northern ireland water

Delivering what matters

# Annual Information Return 2024

## for Public Domain

# Annual Information Return 2024

# for

# Public Domain

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# Annual Information Return 2024

## Section 1

## Board's Overview

# Board's Statement

Northern Ireland Water's board of directors is required by the Utility Regulator to prepare a statement on the compilation of the Annual Information Return (AIR), explaining that it has satisfied itself as to the reliability, accuracy and completeness of the information provided.

The directors consider that the AIR provides a true and fair view of the state of affairs of NI Water for the financial year 2023/24. With respect to the preparation of the AIR, subject to any departure and explanation described in the commentary, the directors confirm:

- suitable accounting policies have been selected and applied consistently;
- judgements and estimates that have been made are reasonable and prudent;
- applicable accounting standards have been followed, subject to any material departures disclosed and explained in the financial statements.

The directors are responsible for keeping adequate accounting records that are sufficient to show and explain the company's transactions and disclose with reasonable accuracy at any time the financial position of the company and enable them to ensure that its financial statements comply with the Companies Act 2006, and the relevant provisions of the Water and Sewerage Services (Northern Ireland) Order 2006.

The directors who held office at the date of approval of this Board's Statement confirm that, so far as they are each aware, there is no relevant audit information of which the company's auditors are unaware and each director has taken all reasonable steps they should have taken as a director to make themselves aware of any relevant audit information and to establish that the company's auditors are aware of that information.

The Board's Statement sets out how NI Water's Board has satisfied itself that the information provided in the AIR is as reliable, accurate and complete as is reasonably practicable.

## Processes and Internal Systems of Control

The AIR has been compiled in accordance with NI Water's AIR Completion Manual, which ensures clear ownership of AIR data, evidence of peer review and procedural documentation covering the compilation processes were followed in completing the AIR submission.

The AIR Completion Manual details roles, responsibilities and governance procedures, and provides guidance and templates for the completion of AIR methodologies, data tables and company commentaries.

## Project Governance

The AIR project was coordinated by NI Water's Regulation Manager and representatives (senior managers) from relevant functional areas, i.e. those functions which contribute data to the AIR submission.

The Regulation Manager ensured:

1. information was disseminated to and from AIR contributors;
2. adherence to the AIR submission programme;
3. implementation of Reporter's recommendations.

Senior managers from across NI Water were responsible for:

- ensuring that the Utility Regulator's AIR reporting requirements were understood and followed;
- ensuring that relevant AIR line methodologies were updated in accordance with the reporting requirements;
- coordinating the population of data tables and the drafting of associated company commentaries in accordance with line methodologies and reporting requirements in compliance with the AIR programme;
- ensuring that relevant line methodologies, data tables and company commentaries were reviewed and approved in accordance with the AIR Completion Manual's roles and responsibilities matrix.

In order to maintain accuracy, consistency and a clear audit trail, roles and responsibilities for each element of the AIR submission were defined for the three key components of AIR, namely:

- line methodologies,
- data tables, and
- company commentaries.

Population of data tables and drafting of associated company commentaries were in accordance with the Utility Regulator's AIR reporting requirements. In addition, company-specific methodologies (line methodologies), explaining how raw data is collected, processed and input to the data tables, were updated and adhered to when populating data tables and drafting company commentaries.

To ensure consistency of reporting for AIR, every item of data provided in the AIR tables had a designated author, reviewer and approver. In all cases, the approver was an appropriate senior manager.

**Independent Review**

Audit plans were developed by the Reporter and external Auditor. The Reporter's audit plan was developed in accordance with the Utility Regulator's AIR reporting requirements and was approved by NI Water and the Utility Regulator.

Audits were undertaken by the company's Auditor and the Reporter in May and June. Feedback from the Reporter and Auditor was used to amend tables and commentaries where appropriate.

The complete AIR was endorsed by NI Water's Executive Committee and Board on 13th and 25th June 2024 respectively.

**Board Involvement**

In summary, the involvement of NI Water's Board in the completion of the AIR included:

- Reviewing monthly company business performance updates;
- Considering the findings of the Reporter and Auditor as presented in June 2024;
- Reviewing, commenting on and approving the Board's Overview;
- Reference to NI Water's Executive Committee and senior management team to verify corporate information;
- Executive Directors received regular reports on progress and reviewed, challenged, commented and influenced the content of the AIR.

The following measures help to ensure that the AIR complies with the Utility Regulator's reporting requirements and provides some assurance with respect to material assumptions and judgements included in the AIR commentaries:

- Clear accountability at senior management level for the ownership of all elements of AIR. NI Water has established an accountability trail from the information providers to the line owners through to heads of function.
- Every item of data in AIR has a designated author, reviewer and approver.
- Every provider of data produces a written methodology documenting the method used for the derivation of the data reported.
- Every item of financial data is prepared and reviewed by separate individuals and reconciled to the chart of accounts.
- Before each item of data is included in the AIR it is reviewed and approved by senior management in the data provider's business area.
- NI Water facilitates access to allow the Reporter and Auditor to review all relevant information required to discharge their duties.
- The Board receives regular presentations during the course of the year on key performance indicators, regulatory performance and key issues reported in the AIR.
- The Auditor presents to NI Water's audit committee and the Reporter presents to the Board at the conclusion of the AIR audit process.
- Directors may challenge the production and content of the AIR to satisfy themselves that their duties are fulfilled.
- In any case of uncertainty regarding data, commentary or line methodology, NI Water seeks advice and clarification from the Utility Regulator, the Reporter or the Auditor as appropriate.
- The recommendations from the Reporter's AIR audits are always captured, tracked and reported to EC throughout the year.

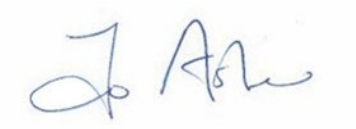
**Directors' Endorsement**

NI Water's board believes that it has developed and applied processes, governance and systems of internal control sufficient to meet its obligations for the provision of information contained in the Annual Information Return.

Each director is satisfied that:

a) so far as he/she is aware, there is no relevant audit information of which NI Water's auditors or reporters are unaware;
b) He/she has taken all reasonable steps as a director to make himself/herself aware of any relevant audit information and to establish that NI Water's auditors and reporters are aware of the information.

For and on behalf of NI Water:



**Jo Aston**
Chair of the Board

**Maurice Bullick**
Chairman of the Audit Committee

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL RETURN - BOARD'S OVERVIEW

TABLE A - WATER SERVICE - KEY OUTPUTS AND SERVICE DELIVERY (TOTAL)

| | DESCRIPTION | UNITS | DP | 1 REPORTING YEAR 2015-16 | 2 REPORTING YEAR 2016-17 | 3 REPORTING YEAR 2017-18 | 4 REPORTING YEAR 2018-19 | 5 REPORTING YEAR 2019-20 | 6 REPORTING YEAR 2020-21 | 7 REPORTING YEAR 2021-22 | 8 REPORTING YEAR 2022-23 | 9 REPORTING YEAR 2023-24 | 10 REPORTING YEAR 2024-25 | 11 REPORTING YEAR 2025-26 | 12 REPORTING YEAR 2026-27 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A** | **Consumer Service** | | | | | | | | | | | | | | |
| 1 | DG2 Properties at risk of low pressure removed from the risk register by company action | nr | 0 | 171 | 40 | 175 | 176 | 115 | 168 | 176 | 143 | 219 | | | |
| 2 | DG2 Properties receiving pressure below the reference level at end of year | nr | 0 | 900 | 862 | 711 | 719 | 626 | 578 | 1715 | 1780 | 1617 | | | |
| 3 | DG3 Supply interruptions > 12hrs (unplanned and unwarned) | % | 2 | 0.10 | 0.06 | 0.10 | 0.04 | 0.09 | 0.00 | 0.08 | 0.00 | 0.00 | | | |
| 4 | DG3 Supply interruptions (overall performance score) | nr | 2 | 1.14 | 0.66 | 0.81 | 0.44 | 0.79 | 0.21 | 1.59 | 0.15 | 0.19 | | | |
| 5 | DG8 % metered customers received bill based on a meter reading | % | 2 | 99.23 | 99.52 | 99.67 | 99.67 | 99.53 | 99.22 | 99.66 | 99.77 | 99.78 | | | |
| 6 | Unwanted Contacts | nr | 0 | | 110,197 | 105,964 | 75,569 | 67,013 | 70,204 | 66,064 | 57,327 | 50,400 | | | |
| 7 | First Point of Contact Resolved (FPOCR) | % | 1 | | 66.5 | 65.8 | 90.0 | 90.4 | 90.4 | 84.0 | 84.0 | 86.0 | | | |
| 8 | Net Promoter Score (all contacts) | nr | 0 | | 27 | 31 | 32 | 42 | 42 | 32 | 36 | 46 | | | |
| 9 | Total Leakage | Ml/d | 0 | 162 | 163 | 162 | 160 | 161 | 158 | 156 | 162 | 155 | | | |
| 10 | Security of supply index | nr | 0 | 100 | 100 | 100 | 100 | 100 | 99 | 100 | 99 | 100 | | | |
| 11 | Percentage of NI Water's power usage derived from renewable sources | % | 1 | 39.8 | 35.5 | 36.9 | 39.4 | 44.3 | 43.1 | 52.8 | 62.8 | 57.6 | | | |
| **B** | **Quality Water** | | | | | | | | | | | | | | |
| 12 | % overall compliance with drinking water regulations | % | 2 | 99.83 | 99.86 | 99.88 | 99.90 | 99.90 | 99.94 | 99.88 | 99.91 | 99.92 | | | |
| 13 | % compliance at consumers tap | % | 2 | 99.74 | 99.77 | 99.81 | 99.83 | 99.84 | 99.91 | 99.82 | 99.88 | 99.88 | | | |
| 14 | % iron compliance at consumers tap | % | 2 | 98.40 | 98.66 | 98.85 | 98.94 | 98.89 | 99.56 | 99.35 | 99.15 | 99.71 | | | |
| 15 | % Service Reservoirs with coliforms in >5% samples | % | 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| **C** | **Water Outputs** | | | | | | | | | | | | | | |
| 16 | Water mains activity - Length of new, renewed or relined mains | km | 0 | 117 | 172 | 126 | 167 | 149 | 104 | 102 | 123 | 127 | | | |
| 17 | Completion of nominated trunk main schemes | nr | 0 | 2 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 3 | | | |
| 18 | Completion of nominated water treatment works schemes | nr | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 3 | 3 | | | |
| 19 | Completion of nominated improvements to increase the capacity of service reservoirs and clear water tanks | nr | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 2 | | | |
| **D** | **Serviceability** | | | | | | | | | | | | | | |
| 20 | Water infrastructure serviceability | Text | | Stable | Stable | Stable | Stable | Stable | Stable | Stable | Stable | Stable | | | |
| 21 | Water non-infrastructure serviceability | Text | | Stable | Stable | Stable | Stable | Stable | Stable | Stable | Stable | Stable | | | |
| **E** | **PC15 Additional Water Service Output Measures** | | | | | | | | | | | | | | |
| 22 | Number of lead communication pipes replaced under the proactive lead replacement programme | nr | 0 | 1922 | 1867 | 1767 | 2070 | 1781 | 1675 | 1864 | 1873 | 2016 | | | |
| 23 | Number of school visits | nr | 0 | 277 | 257 | 219 | 246 | 229 | 266 | 299 | 210 | 219 | | | |
| 24 | Number of other education events | nr | 0 | 65 | 64 | 62 | 66 | 143 | 12 | 64 | 63 | 78 | | | |
| **F** | **PC21 Additional Water Service Output Measures** | | | | | | | | | | | | | | |
| 25 | Number of catchments where management plan recommendations have been implemented | nr | 0 | | | | | | | 0 | 3 | 4 | | | |
| 26 | Number of treatability studies completed | nr | 0 | | | | | | | 0 | 1 | 0 | | | |

**NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN**

**ANNUAL RETURN - BOARD'S OVERVIEW**

**TABLE B - SEWERAGE SERVICE - KEY OUTPUTS AND SERVICE DELIVERY - WATER SERVICE (TOTAL)**

| | DESCRIPTION | UNITS | DP | 1<br>REPORTING YEAR 2015-16 | 2<br>REPORTING YEAR 2016-17 | 3<br>REPORTING YEAR 2017-18 | 4<br>REPORTING YEAR 2018-19 | 5<br>REPORTING YEAR 2019-20 | 6<br>REPORTING YEAR 2020-21 | 7<br>REPORTING YEAR 2021-22 | 8<br>REPORTING YEAR 2022-23 | 9<br>REPORTING YEAR 2023-24 | 10<br>REPORTING YEAR 2024-25 | 11<br>REPORTING YEAR 2025-26 | 12<br>REPORTING YEAR 2026-27 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A** | **Consumer Service Sewerage** | | | | | | | | | | | | | | |
| 1 | DG5 Properties at risk of flooding - number removed from 2 in 10, 1 in 10 and 1 in 20 risk register by company action | nr | 0 | 7 | 7 | 17 | 9 | 1 | 11 | 3 | 3 | 16 | | | |
| 2 | DG5 Properties on the 2 in 10, 1 in 10 and 1 in 20 risk register at the end of the year | nr | 0 | 160 | 156 | 134 | 124 | 119 | 108 | 107 | 102 | 80 | | | |
| **B** | **Quality Sewerage** | | | | | | | | | | | | | | |
| 3 | % of WwTWs discharges compliant with numeric consents | % | 1 | 92.8 | 93.6 | 93.5 | 94.8 | 94.9 | 95.3 | 93.8 | 93.8 | 93.7 | | | |
| 4 | % of total p.e. served by WwTWs compliant with numeric consents excluding upper tier failures | % | 1 | 98.6 | 98.9 | 98.7 | 99.4 | 99.5 | 99.5 | 99.2 | 99.2 | 99.2 | | | |
| 5 | Small WwTW compliance (works greater than or equal to 20p.e. but less than 250p.e.) | % | 2 | 80.72 | 83.99 | 87.21 | 86.64 | 89.29 | 90.91 | 92.01 | 92.65 | 92.70 | | | |
| 6 | Number of high and medium pollution incidents attributable to NI Water | nr | 0 | 21 | 22 | 20 | 16 | 13 | 9 | 12 | 9 | 11 | | | |
| **C** | **Sewerage Outputs** | | | | | | | | | | | | | | |
| 7 | Sewerage activity - Length of sewers replaced or renovated | km | 0 | 17 | 9 | 15 | 11 | 19 | 13 | 30 | 22 | 17 | | | |
| 8 | Delivery of improvements to nominated UIDs as part of a defined programme of work | nr | 0 | 26 | 11 | 11 | 8 | 3 | 1 | 4 | 3 | 5 | | | |
| 9 | Delivery of improvements to nominated WwTWs as part of a defined programme of work | nr | 0 | 3 | 2 | 1 | 6 | 2 | 3 | 1 | 6 | 3 | | | |
| 10 | Small wastewater treatment works delivered as part of the rural wastewater investment programme | nr | 0 | 4 | 8 | 3 | 8 | 9 | 12 | 2 | 10 | 4 | | | |
| **D** | **Serviceability** | | | | | | | | | | | | | | |
| 11 | Sewerage infrastructure serviceability | Text | | Stable | Stable | Stable | Stable | Stable | Stable | Stable | Stable | Stable | | | |
| 12 | Sewerage non-infrastructure serviceability | Text | | Stable | Stable | Stable | Stable | Stable | Stable | Stable | Stable | Stable | | | |
| **E** | **PC15 Addtional Sewerage Service Output Measures** | | | | | | | | | | | | | | |
| 13 | CSO and EO discharges at which event and duration monitoring equipment has been installed | nr | 0 | 0 | 0 | 0 | 115 | 37 | 127 | 52 | 83 | 124 | | | |
| 14 | WwTWs upgraded to comply with PPC Regulations | nr | 0 | 0 | 0 | 1 | 6 | 7 | 2 | 0 | 0 | 0 | | | |
| 15 | Impermeable surface water collection area removed from the combined sewerage network | $m^2$ | 0 | 28,560 | 54,864 | 119,200 | 34,103 | 59,586 | 0 | 1,200 | 91,898 | 137,676 | | | |
| 16 | Number of sustainable WwTW solutions delivered (p.e. ≥ 250) | nr | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | | | |
| 17 | Number of sustainable WwTW solutions delivered (p.e. < 250) | nr | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | | | |
| **F** | **PC21 Additional Sewerage Output Measures** | | | | | | | | | | | | | | |
| 18 | Number of current Economic Constraint Areas removed by PC21 investment | nr | 0 | | | | | | | 0 | 0 | 0 | | | |
| 19 | Number of current Serious Development Restrictions removed by PC21 investment | nr | 0 | | | | | | | 0 | 6 | 2 | | | |

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL RETURN - BOARD'S OVERVIEW

TABLE C - EXPENDITURE & FINANCIAL PERFORMANCE MEASURES (TOTAL)

| | DESCRIPTION | UNITS | DP | 1 REPORTING YEAR 2015-16 | 2 REPORTING YEAR 2016-17 | 3 REPORTING YEAR 2017-18 | 4 REPORTING YEAR 2018-19 | 5 REPORTING YEAR 2019-20 | 6 REPORTING YEAR 2020-21 | 7 REPORTING YEAR 2021-22 | 8 REPORTING YEAR 2022-23 | 9 REPORTING YEAR 2023-24 | 10 REPORTING YEAR 2024-25 | 11 REPORTING YEAR 2025-26 | 12 REPORTING YEAR 2026-27 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A** | **TOTAL EXPENDITURE** | | | | | | | | | | | | | | |
| 1 | Total operating expenditure - water service (NI Water only) | £m | 3 | 76.947 | 80.362 | 84.765 | 90.334 | 80.971 | 88.141 | 96.680 | 105.015 | 112.219 | | | |
| 1a | Total operating expenditure (PPP) - water service | £m | 3 | 8.225 | 9.062 | 9.323 | 9.721 | 9.549 | 10.076 | 11.161 | 13.109 | 14.667 | | | |
| 2 | Total capital expenditure (excl. adopted and nil cost assets) | £m | 3 | 63.796 | 67.719 | 62.807 | 70.162 | 75.556 | 78.493 | 98.960 | 136.174 | 150.275 | | | |
| 3 | Total operating expenditure - sewerage service (NI Water only) | £m | 3 | 73.126 | 71.950 | 74.758 | 76.367 | 74.216 | 79.273 | 95.894 | 108.631 | 111.738 | | | |
| 3a | Total operating expenditure (PPP) - sewerage service | £m | 3 | 25.096 | 25.377 | 25.693 | 10.908 | 12.722 | 14.052 | 9.551 | 12.792 | 15.588 | | | |
| 4 | Total capital expenditure (excluding adopted and nil cost assets) - sewerage service | £m | 3 | 79.692 | 86.551 | 89.721 | 100.824 | 96.699 | 98.706 | 129.499 | 129.653 | 152.917 | | | |
| **B** | **CURRENT COST ACCOUNTS - PROFIT & LOSS** | | | | | | | | | | | | | | |
| 5 | Total Turnover | £m | 3 | 367.287 | 372.854 | 381.099 | 409.662 | 422.314 | 412.533 | 434.164 | 473.700 | 542.804 | | | |
| 6 | Current cost operating costs (including CCD & IRC) - not used | £m | 3 | | | | | | | | | | | | |
| 7 | Current cost operating profit - not used | £m | 3 | | | | | | | | | | | | |
| **C** | **CAPITAL BASE & POST TAX RETURN** | | | | | | | | | | | | | | |
| 8 | Capital Value Year - End (outturn) | £m | 3 | 2,133.30 | 2,244.90 | 2,396.10 | 2,537.90 | 2,672.40 | 2,611.20 | 2,831.60 | 3,307.40 | 3,737.40 | | | |
| 9 | Total net debt | £m | 3 | 980.545 | 1010.647 | 1079.329 | 1330.886 | 1370.422 | 1420.825 | 1536.789 | 1691.532 | 1862.047 | | | |
| 10a | Post tax return on capital | % | 2 | 2.57 | 2.60 | | 5.72 | 5.48 | 4.37 | 3.68 | 3.30 | 4.42 | | | |
| 10b | Pre tax return on capital | % | 2 | 2.57 | 2.60 | | 5.72 | 5.48 | 4.35 | 3.68 | 3.30 | 4.42 | | | |
| **D** | **KEY FINANCIAL INDICATORS** | | | | | | | | | | | | | | |
| 11 | Cash interest cover (funds from operations; gross interest) | ratio | 2 | 3.38 | 3.45 | 3.50 | 3.20 | 3.31 | 2.99 | 3.24 | 3.29 | 3.98 | | | |
| 12 | Adjusted cash interest cover (funds from operation less capital charges; gross interest) | ratio | 2 | 0.83 | 0.91 | 1.98 | 1.61 | 1.70 | 1.15 | 1.37 | 0.89 | 1.43 | | | |
| 13 | Adjusted cash interest cover (funds from operation less capital maintenance; gross interest) | ratio | 2 | 1.76 | 1.58 | 1.74 | 1.78 | 1.97 | 1.45 | 1.27 | 1.08 | 1.25 | | | |
| 14 | Funds from operations: debt | ratio | 2 | 0.12 | 0.12 | 0.12 | 0.10 | 0.10 | 0.08 | 0.08 | 0.08 | 0.10 | | | |
| 15 | Retained cash flow: debt | ratio | 2 | 0.09 | 0.10 | 0.07 | 0.08 | 0.09 | 0.07 | 0.05 | 0.07 | 0.10 | | | |
| 16 | Gearing: D/RCV | % | 2 | 46.24 | 47.46 | 45.86 | 53.61 | 52.64 | 56.36 | 54.98 | 50.06 | 48.62 | | | |
| 17 | Gearing: D/RCV (adjusted for PPP liability) | % | 2 | 48.47 | 49.45 | 47.78 | 56.96 | 55.84 | 59.25 | 57.62 | 52.44 | 50.65 | | | |

# Chapter 1
# PC21 Outputs
# Tables A and B

## 1.0 Introduction

### PC21 Funding

The PC21 Business Plan set out the need for a step change in capital investment. The PC21 Final Determination (FD) endorsed the need to significantly increase the level of capital investment and acknowledged that investment of the magnitude proposed can only be delivered successfully if funding commitment is secured.

Whilst NI Water's Capital DEL (CDEL) requirement was fully met in the first two years of PC21, 2023/24 has been challenging. NI Water's Operating Plan and Budget for 2023/24 set out a CDEL requirement of £370m. Due to funding pressures, NI Water was subsequently able to reduce this to £353m, this was still £31.8m more than the CDEL budget of £321.2m which DfI had allocated. Following an unsuccessful bid for additional in-year capital allocations, DfI sought an absolute assurance from NI Water's Board that the £321.2m CDEL allocation would not be exceeded. An assurance was provided by the NI Water Board and management took steps to slow down the PC21 capital programme accordingly. Funding cuts, and uncertainty of funding in general, have a significant impact on the efficient and timely delivery of capital outputs.

Resource DEL (RDEL), in line with business needs, was secured late in 2023/24. However, NI Water experienced significant operating cost pressure due to continued high energy prices and global inflation. Whilst energy costs have reduced from their peak, they are still in excess of PC21 FD allowances, and it is therefore expected that power price rises and other cost pressures will continue to create significant budgetary pressures in 2024/25.

In this context, it is imperative that the PC21 Mid-Term Review (MTR) be completed. The allowances determined by the Regulator remain important references when assessing budgets. Since the PC21 FD was published, global and economic factors have significantly increased the levels of expenditure we require. The MTR provides the opportunity to have Opex and Capex (and RDEL and CDEL) forecasts adjusted so they remain realistic and reflect the level of funding that should be provided.

## 1.1 Improvements to Drinking Water and Environmental Quality

### Water Quality

We achieved our drinking water quality compliance targets in 2023. We continue to engage with the DWI on potential changes to the Drinking Water Regulations in line with the Recast Drinking Water Directive. We have put in place a monitoring programme of sampling and analysis for the potential new parameters to assess the implications of these new requirements, should new drinking water regulations come into force.

### Water Resource and Supply Resilience

The Water Resource and Supply Resilience Plan sets out how NI Water intends to sustainably maintain the balance between supply and demand for water over the long-term,

and the operational and management options and activities available to respond to short-term critical events such as droughts and freeze-thaw issues. The latest draft of the Plan forecasts supply demand deficits in five of the ten Water Resource Zones during summer peak conditions, with four of the zones identified as currently in deficit today. The draft Plan has identified several mitigations to resolve these deficits, and these include the upgrade of both Moyola and Clay Lake water treatment works and new boreholes near Dungannon (Gortlenaghan) and Lisburn (Lagan Valley). The draft Plan has been issued for consultation and will be updated based on responses with the final Pan to be published in 2024/25.

Several new projects and operational interventions were completed in 2023/24, which have improved current supply/demand and resilience issues. This included new clear water basins at Seagahan and Foffany water treatment works and the upgrade of Derg water treatment works. Further work over 2024/25 includes the progression of the strategically important Castor Bay to Ballydougan project, which will facilitate transfer of additional flow from Castor Bay to Ballydougan and the construction of new Granular Activated Carbon filters at Ballinrees water treatment works.

**Summer demand spike**

In June 2023, as warm temperatures persisted across Northern Ireland, demand for water rose by around 15% to 700 million litres per day. Our focus was to keep customers in supply, especially in the west and south. This required extensive tankering operations between Carryglass, Dungoran, Dromore High and Clay Lake.

**Leakage**

In 2023/24, NI Water reported its lowest ever level of leakage at 155 million litres per day compared to a target of 154 million litres per day. This reduction has been achieved despite Northern Ireland experiencing the highest recorded levels of rainfall and the highest average annual temperature.

More frequent weather extremes are having a significant impact on reducing leakage. NI Water continues to advance its capabilities using highly skilled leakage detection and repair teams. We deploy a variety of leakage detection techniques including listening sticks, ground microphones, acoustic loggers, drones, satellites, and dogs. We also monitor flows and pressures on our infrastructure. A combination of traditional and new approaches to leakage management will be used to drive down leakage over the remainder of PC21. We aim to achieve the economic level of leakage of 150 million litres per day by 2027.

**Security of Supply**

In 2023/24 we completed a £9m investment to improve the security of the water supply for around 76,000 customers in large parts of County Down. The upgrade at Fofanny water treatment works involved the construction of a new water storage tank with a capacity of 10 million litres. The upgrade will provide additional water supply to customers, particularly during high demand emergency situations, when we may need additional time to shut down the main plant, while we complete other planned maintenance to our water supply network.

**Supply Interruptions**

Our 'every minute counts' ethos helps to focus on ways to improve our performance and explore innovative solutions to minimise the time customers are off supply. We continued to implement our interruption to supply strategy over 2023/24, achieving record reductions in 'lost

minutes per property'. A second mobile booster trailer has been purchased and delivered to allow for greater resilience in our response to unplanned interruptions, as well as greater opportunity to keep customers in supply during planned shutdowns.

Our SMART networks programme helps to maintain a CALM network and increase visibility on all our water assets. Creating a calmer network reduces transients that can cause bursts and interruptions. Over 2024/25 we will be improving controls at water booster stations and using our new digital tools as well as data analytics through our SMART network to monitor and control our field operations. By 2027, we plan to install telemetry at 26 booster stations, enabling visibility and real time pressure control over 400km of pumped water mains, spanning around 7,500 properties.

**Wastewater**

We achieved our wastewater treatment discharge compliance targets in 2023.

**Reducing sewer flooding**

Our PC21 Business Plan includes storm water removal targets aimed at reducing the risk of property flooding, enhancing our natural environment, and facilitating economic growth. This programme is progressing well through investigation studies, modelling and direct capital investment, such as storm separation or Sustainable Urban Drainage System projects.

We have already removed a significant impermeable area that was contributing storm water to the combined sewer network. The further removal of incidental storm water is expected to increase in line with our wastewater infrastructure programme throughout PC21.

During 2023/24 we completed the £7m Ravenhill Avenue Flood Alleviation Project. The project was delivered as part of the Living With Water in Belfast Plan, which aims to help protect against flooding, enhance the water environment and provide the increased capacity needed for economic growth. Some sewers in this part of South Belfast date back to the early 1900's. They were in very poor condition and undersized to deal with today's flows. This essential project improved the sewers, whilst significantly reducing the risk of 'out-of-sewer' flooding and environmental pollution in the area. The project has also removed approximately nine hectares of storm water from the combined sewerage network, allowing it to return directly to the River Lagan.

**Wastewater Compliance**

We recognise the need to reform how wastewater compliance is assessed. The current regulatory monitoring programme is based on pre-announced rather than unannounced regulatory sampling at the treatment works and the reported wastewater compliance doesn't incorporate flow compliance for the wastewater treatment works or the sewer network. This provides an incomplete picture of environmental compliance and protection. We are working with the NIEA and other stakeholders to reform the wastewater compliance model to improve compliance across the whole wastewater system. This is known as the Water Regulation Reform Programme.

A Wastewater Regulation Compliance Reform Group has been established with senior

management representation from NI Water and NIEA. This working group will act as the interface between NIEA and NI Water on the delivery of wastewater regulation reform programme over PC21. It is recognised that the outcome of the proposed regulation change will result in new evidence, which will highlight non-compliance across our wastewater infrastructure.

NI Water has appointed a programme manager to develop and report progress on the plan for the wastewater regulation reform programme. The wastewater Statement of Regulatory Principles and Intent is under review by NIEA. This will take account of the regulatory approach for recognised underinvestment, a no detriment approach to dealing with development constraints and reform of wastewater compliance assessment. Work continues with NIEA on compliance assessment methodologies, including review of the Flow and Event Duration Monitoring Policies. Identification of investment needs for compliance reform will also be considered as part of the PC27 Business Plan.

We continued our wastewater regulatory monitoring programme over 2023/24. This sampling programme is helping to build up performance data, providing insight to treatment works' performance. We have initiated establishment of an independent wastewater compliance team, which will assist with providing assurance on the management of wastewater assets.

## 1.2 Delivering Service to Customers

Our Social Media and digital channels provide us with platforms to keep our customers informed of the challenges we face delivering clean drinking water and recycling wastewater safely back to the natural environment. Our website, Facebook and Twitter accounts allow us to reach out to our customers to change how they think about water to help reduce the pressure on our infrastructure and nature.

### Facebook and Web Chat boost

In our ambition to deliver an exceptional customer experience, we are embracing new ways to meet rising customer expectations. Since increasing the operational hours of our social media platforms and introducing a web chat to our service update page, our social media base has continued to grow, now surpassing 35,000 followers and regularly handles more than 2,000 customer web chats per month. Feedback from customers for these channels has been very positive with both web chat and social media registering high consumer advocacy scores.

We expanded our customer base for web self-serve in 2022/23 by launching the web self-serve for developers, providing them with a service to submit applications, track progress and pay online. This was a major step change for the business and transformed the way we interact with our customers. In 2023/24 we refreshed the website, including changes to the landing page architecture and a reduction in process steps. These improvements will enhance the overall customer experience and provide better clarity and simplification on each step. Analysis of our range of social media offerings in comparison to other utilities is encouraging, with around a quarter of our customers now choosing to contact us through a digital channel.

During 2023/24 we created a new dedicated Customer Team for Developer Services. The team has been specifically trained to deal with all development-related queries, which can be more complex than standard operational customer calls.

In 2024/25 we will focus on finalising the design of the new customer, billing, and contact contract. This will include the delivery of new automated telephony, texting, and online chat customer channels.

**Right First Time**

We have introduced a comprehensive programme of initiatives to minimise the need for customers to contact us and for those customers that do make contact, ensure we resolve their issue first time.

Over 2023/24 we delivered against our target of 65,200 for unwanted customer contacts, our First Point of Contact Resolution target of 84% and our Net Promoter Score of 42. We also introduced early warning text notifications for metered, non-domestic customers experiencing high water consumption.

We expanded the use of robotics to automate manual processes, focusing on how we manage leakage defects that are identified by our contractors and continued with our programme of improvement initiatives focusing on septic tank and billing journey improvements.

During 2023/24, we continued to offer our social media and web chat services until 11pm, seven days a week. We offer a range of telephony and self-service channels to suit our customers' needs, including our waterline service, which is available 24 hours a day. In 2024/25 will be introducing new channels and customer systems as part of the new customer, billing, and contact contract.

Voice of the Customer packs are circulated monthly to business areas to provide an understanding of what is working well and to highlight areas for improvement. Over 2023/24, we have continued to undertake several customer journey reviews based upon customer feedback, along with our annual omnibus survey to gain the opinions and thoughts of the 'silent majority' of customers that use our services. Our focus on customers was recognised in the UK Customer Satisfaction Index Results for the first six months of 2023. NI Water was listed as the second highest performing water company for overall customer satisfaction and the third highest performer in the Utilities Sector Report.

**Customer Care Register**

We continue to work with the Consumer Council for Northern Ireland, Health Trusts, Councils, and other Utilities to promote our Customer Care Register. A further 177 customers have been added to the register over 2023/24, with a total of 2,798 customers/organisations registered. We continue to engage with the Utility Regulator, CCNI and other utilities on the Best Practice Framework: Code of Practice for consumers in vulnerable circumstances, which will standardise the approach to consumer vulnerability across the Northern Ireland utility sector.

In 2024/25 we will continue working towards BS ISO 22458 Consumer Vulnerability accreditation, which is to be achieved by the end of PC21. By taking a proactive and inclusive approach, NI Water can mitigate against exacerbating consumer vulnerability.

During 2023/24 we introduced the JAM (Just a Minute) Card across the entire organisation. The JAM card allows anyone with a hidden disability or communication barriers to discreetly ask for 'Just A Minute' of patience when they need it. The JAM card accreditation demonstrates NI Water's ongoing commitment to its customers and its priority to advance equality, diversity, and inclusion across the organisation, with over 1,300 colleagues undertaking the bespoke training programme.

**Getting Smarter**

Our customers tell us that they want a modern, interactive web-based platform where they can submit applications for our services, track progress, make payments and digitally sign documents without the need for paper or telephone contact. In response, we launched a digital application process for new connections to our network, wastewater adoptions and applications for trade effluent.

In 2023/24, we extended the use of robotics to automate processes resulting in improved service delivery for both internal and external customers using technology such as Power BI, Power Automate and ArcGIS. This technology means we have more time to focus on activities that make the most difference to our customer experience.

**Cyber Resilience**

Cyber security is a key priority for NI Water as we face increasing and evolving cyber threats that could harm our service delivery and business performance. We are committed to improving our information governance and cyber resilience by investing in technology, training, and awareness. We have a Cyber Resilience Programme in place to protect our operational technology and we work closely with the National Cyber Security Centre and other stakeholders to stay ahead of the cyber risk landscape. We also monitor and test our cyber security through simulated phishing campaigns, independent penetration testing and audits. We collaborate across the business to ensure that any new or upgraded technology is assessed for cyber risks and complies with our standards and policies.

## 1.3 Delivering Sustainable Services

**Solar**

As part of our PC21 commitment to double our existing 8MW of solar generation by 2027, we are exploring installations across our own land, through strategic partnerships. During the first phase of the project, we have installed over 2,000 solar panels across three sites to generate clean electricity and lower our carbon footprint. The on-site roof and ground-mounted solar installations were completed at energy intensive sites at Drumaroad and Killyhevlin water treatment works and Limavady wastewater treatment works. The solar panels have a combined capacity of 0.9 MW of power, which will be consumed on-site, thereby reducing demand from the electricity grid.

**Dunore Point Ozone**

We have been working to deliver energy efficient savings at Dunore Point water treatment works. Through collaborative working, NI Water has achieved significant energy cost savings of around £100k per year by turning off the ozone process over the lower risk winter months, whilst still maintaining drinking water quality compliance.

### Loughries Wastewater Treatment Works

A part nature-based solution to wastewater treatment has been completed at Loughries wastewater treatment works, Newtownards, County Down. Due to its age, an increasing load from the village and ever-tightening discharge limits being applied, the existing works was in danger of breaching consents. The project involved the design and construction of a new treatment process consisting of a septic tank and aerated reed bed, which is a long-term solution to operate as a tertiary final polishing system. The vertical flow orientation of the reed bed minimises the footprint of the required bed, whilst aeration provides enhanced microbial treatment to bring discharges to the required standard.

### Carbon Footprint

Our Climate Change Strategy was published in May 2023 and sets out how we can harness the huge and largely unseen potential for NI Water to address climate change. Several of the approaches we are taking will benefit our society and economy more broadly as it seeks to decarbonize and exploit the benefits of green growth through a just transition. We have challenged ourselves to go further and faster than the net zero 2050 targets set by law. NI Water is committed to achieve net zero for the energy we use by 2030 and net zero for all our emissions by 2040, as measured against our 2020/21 adjusted baseline.

## 1.4 Health and Safety

Health and safety are an integral part of NI Water's day-to-day business. NI Water's vision for health and safety for employees, contractors and customers is the 'pursuit of zero harm by raising standards and performance through the identification and adoption of industry best practice and the development of an empowered, valued, engaged, accountable and competent workforce'.

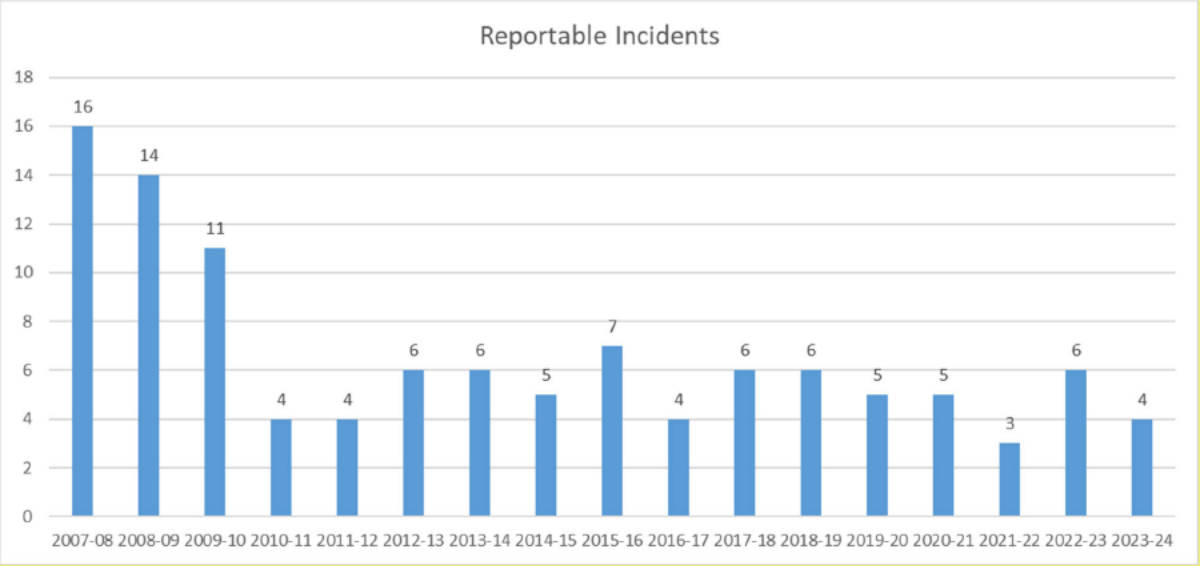
NI Water has a dedicated Health and Safety team, which is key to ensuring that NI Water complies with relevant legislation and best practice. The Health and Safety Focus Group, made up of representatives from across NI Water, examines NI Water and contractor incidents, reviews health and safety training needs, and general promotion of health and safety. Driver awareness was one of the areas of focus for 2023/24.

NI Water has a Health, Safety and Facilities Transformation Programme (2021–2025) which sets out several priorities for health and safety. Significant investment continues to be made in our facilities and above ground buildings and related assets.

The Assure health and safety software enables all employees and our supply chain to report incidents, unsafe and good observations and safety suggestions via App or Source homepage using a mobile phone, Toughbook, or laptop. The system provides real time, accurate and meaningful data that enables us to appropriately target and resource both our short and long-term health and safety priorities.

In 2024/25, a delivery programme for mandatory health and safety training will commence with this training integrated into employee learning paths. As the necessary compliance levels are achieved and planned improvements are realised, greater focus will be turned towards behavioural and culturally based projects with the zero harm concept being refreshed and reinvigorated.

There were four reportable incidents in 2023/24.



## 1.6 PC21 Targets for 2023//24

Tables 1.1 and 1.2 below provide a tabular summary of NI Water's delivery of services and outputs in 2023/24 compared to PC21 Final Determination (FD) and draft Mid-Term Review (MTR) targets. Where appropriate, FD targets have been adjusted to take into account variations resulting from PC21 change controls and carry-over from PC15. The following targets have not been achieved:

1. **Properties receiving pressure below reference level (DG2)**

   Subsequent to the publication of the PC21 FD, NI Water's refresh of the DG2 register identified a much higher number of properties at risk of low pressure. Whilst improved accuracy of the register is a positive step forward for customers, it had the result of making it impossible to achieve the PC21 FD target. In light of this, the Utility Regulator's draft MTR has proposed new, achievable targets for the last three years of PC21, but the target for 2023/24 was not amended. We did, however, achieve the 2023/24 target for the number of properties removed from the register through company action.

2. **Leakage**

   Total leakage is modestly behind the PC21 target. But NI Water has made significant progress in recovering from the widespread impact of major summer and winter events in 2023/23.

3. **Water Mains**

   There was a modest (cumulative) shortfall this year due to the impact of resourcing issues experienced by water mains contractors during 2021/22.

4. **Water Treatment Works**

   We are slightly behind our water treatment works PC21 target at the end of year three. The Ballinrees WTW project, which was due for completion in 2023/24, is underway and will achieve beneficial use in 2024/25.

5. **Small WwTW Compliance**

   We failed to achieve the PC21 target for small WwTW compliance in 2023. Of the 23 noncompliant works, 17 are included in the rural wastewater investment programme (RWwIP) for upgrades in PC21. A contributing factor to the missed compliance target is the failure to upgrade the target number of small WwTWs in 2023/24 (see point 9 below). Operational issues at a number of sites were also a factor. Addressing these issues and recovery of the RWwIP programme from 2024/25 onwards (subject to funding) should result in the small WwTW compliance targets being met in the remainder of PC21.

6. **High/Medium Pollution Incidents**

   Pollution incidents are dependent on a wide range of factors. These include weather, seasonality, customer behaviours, trade effluent discharges and rogue discharges to sewer. In our response to the PC21 draft determination, we noted that the proposed targets were unrealistic.

7. **Improvements to Nominated Wastewater Treatment Works (WwTW)**

   The PC21 Business Plan's profile for investment in WwTWs has been subject to change as part of a scope certainty exercise and the target has been amended as part of the mid-term review process. Despite this, the proposed MTR (draft

determination) target has not been met. This is due to completion of Ballyronan WwTW slipping from 2023/24 to 2024/25.

**8. WwTWs Upgraded to Comply with PPC Regulations**

In total, the PC21 target for PPC upgrades is 15 WwTWs. To date, 2 out of the 15 have been confirmed as not requiring PPC permits (with sludge production <50m3/day) and, therefore, do not require upgrades. Another 2 sites have been confirmed as needing permits, but not requiring upgrades. The remaining 11 WwTWs are currently being investigated to confirm whether they meet the sludge volume threshold for PPC permits and whether upgrades are necessary.

We would encourage the UR to consider amending the target description from "WwTWs upgraded to comply with PPC Regulations" to "WwTWs assessed and/or upgraded if required to comply with PPC Regulations".

**9. Small WwTW**

We are slightly behind the cumulative target for small wastewater treatment works delivered as part of the rural wastewater investment programme, with 16 works complete compared to a target of 18. An additional works was substantially completed in 2023/24, but NIE were unable to provide an electricity connection due to difficulties in obtaining the necessary wayleaves, preventing it from being commissioned and achieving beneficial use. We anticipate achieving the cumulative target of 24 small WwTW by the end of 2024/25 and the six-year target of 36 by the end of PC21, subject to the availability of funding.

**10. Number of Economic Constraint Areas Eased**

Delayed completion of Ballyronan WwTW, which slipped from 2023/24 to 2024/25 as noted above, has resulted in NI Water failing to meet the draft MTR target for economic constraint areas eased. We are, however, in line with the original PC21 final determination target for 2023/24.

**Table 1.1 – Targets and Outputs for 2023/24: Customer Service and Water**

| | Units | FD Target # | MTR DD Target | Outturn |
|---|---|---|---|---|
| DG2 Properties at risk of low pressure removed from the risk register by company action * | nr | 435 | 435 | 538 |
| DG2 Properties receiving pressure below reference level at end of year | nr | 365 | 365 | 1,617 |
| DG3 Supply interruptions > 12hrs (unplanned and unwarned) | % | 0.084 | 0.084 | 0.00 |
| DG3 Supply interruptions (overall performance score) | nr | 0.77 | 0.77 | 0.19 |
| DG8 % metered customers received bill based on a meter reading | % | 99.00 | 99.00 | 99.78 |
| Unwanted Contacts | nr | 65,200 | 65,200 | 50,400 |
| First Point of Contact Resolved (FPOCR) | % | 84 | 84 | 86 |
| Net Promoter Score (all contacts) | nr | 42 | 42 | 46 |
| Total Leakage | Ml/d | 154 | 154 | 155 |
| Security of supply index | nr | 100 | 100 | 100 |
| Percentage of NI Water's power usage derived from renewable sources | % | 50 | 50 | 58 |
| % overall compliance with drinking water regulations | % | 99.83 | 99.83 | 99.92 |
| % compliance at consumers tap | % | 99.74 | 99.74 | 99.88 |
| % iron compliance at consumers tap | % | 98.62 | 98.62 | 99.71 |
| % Service Reservoirs with coliforms in >5% samples | % | 0.00 | 0.00 | 0.00 |
| Water mains activity - Length of new, renewed or relined mains * | km | 419 | 419 | 352 |
| Completion of nominated trunk main schemes * | nr | 4[1] | 3 | 5 |
| Completion of nominated water treatment works schemes * | nr | 9[2] | 8 | 7 |
| Completion of nominated improvements to increase the capacity of service reservoirs and clear water tanks * | nr | 1 | 1 | 3 |
| Water infrastructure serviceability | Text | Stable | Stable | Stable |
| Water non-infrastructure serviceability | Text | Stable | Stable | Stable |
| Number of lead communication pipes replaced under the proactive lead replacement programme * | nr | 5,532 | 5,532 | 5,753 |
| Number of school visits * | nr | 528 | 528 | 728 |
| Number of other education events * | nr | 171 | 171 | 205 |
| Number of catchments where management plan recommendations have been delivered | nr | 7 | 7 | 7 |
| Number of treatability studies completed | nr | 0 | 0 | 1 |

# Final Determination targets amended to reflect PC21 change controls and PC15 carry-over.

* PC21 cumulative target / outturn

[1] Amended FD target includes Unagh/Beltoy PS (CCP003)

[2] Amended FD target includes Dorisland PC15 carryover and Derg MCP (CCP001)

## Table 1.2 – Targets and Outputs for 2023/24: Sewerage

| | Units | FD Target # | MTR DD Target | Outturn |
|---|---|---|---|---|
| DG5 Properties at risk of flooding - number removed from the 2 in 10, 1 in 10 and 1 in 20 risk register by company action * | nr | 20 | 20 | 22 |
| DG5 Properties on the 2 in 10, 1 in 10 and 1 in 20 risk register at the end of the year | nr | 106 | 106 | 80 |
| % of WwTWs discharges compliant with numeric consents [NIW + PPP] | % | 92.3 | 92.3 | 93.7 |
| % of total p.e. served by WwTWs compliant with numeric consents excluding upper tier failures [NIW + PPP] | % | 94.7 | 94.7 | 99.2 |
| Small WwTW compliance (works greater than or equal to 20p.e. but less than 250p.e.) | % | 93.1 | 93.1 | 92.7 |
| Number of high and medium pollution incidents attributable to NI Water | nr | 10 | 10 | 11 |
| Sewerage activity - Length of sewers replaced or renovated * | km | 30.3 | 30.3 | 69 |
| Delivery of improvements to nominated UIDs as part of a defined programme of work * | nr | 49 | 11 | 12 |
| Delivery of improvements to nominated WwTWs as part of a defined programme of work * | nr | 22[1] | 11 | 10 |
| Small wastewater treatment works delivered as part of the rural wastewater investment programme * | nr | 18 | 18 | 16 |
| Sewerage infrastructure serviceability | Text | Stable | Stable | Stable |
| Sewerage non-infrastructure serviceability | Text | Stable | Stable | Stable |
| CSO and EO discharges at which event and duration monitoring equipment has been installed * | nr | 250 | 250 | 259 |
| WwTWs upgraded to comply with PPC Regulations * | nr | 4 | 4 | 0 |
| Impermeable surface water collection area removed from the combined sewerage network * | $m^2$ | 1,093,620 | 109,362 | 230,774 |
| Number of sustainable WwTW solutions delivered (p.e. ≥ 250) * | nr | 0 | 0 | 0 |
| Number of sustainable WwTW solutions delivered (p.e. < 250) * | nr | 0 | 0 | 0 |
| Number of Economic Constraint Areas Eased | nr | 0 | 1 | 0 |
| Number of Serious Development Restrictions Eased | nr | 4 | 8 | 8 |

* PC21 cumulative target / outturn
# Final Determination targets amended to reflect PC21 change controls and PC15 carry-over.

[1] Amended FD target includes Ballykelly PC15 carry-over

# Chapter 2
# Financial Performance Measures
# Table C

## 2.1 Financial Performance

The financial performance section refers to NI Water (the Group) unless otherwise indicated.

### Summary Consolidated Statement of Comprehensive Income

| | Year to 31 March 2024 £m | Year to 31 March 2023 £m |
|---|---|---|
| **Revenue** | **549.3** | 479.3 |
| Results from operating activities | **157.7** | 105.0 |
| Net finance charges | **(62.2)** | (58.6) |
| **Profit before tax** | **95.5** | 46.4 |
| Income tax expense | **(24.0)** | (5.3) |
| **Profit/(Loss) for the year** | **71.5** | 41.1 |
| Other comprehensive expenditure, net of income tax | **7.2** | 63.2 |
| **Total comprehensive income for the period** | **78.7** | 104.2 |

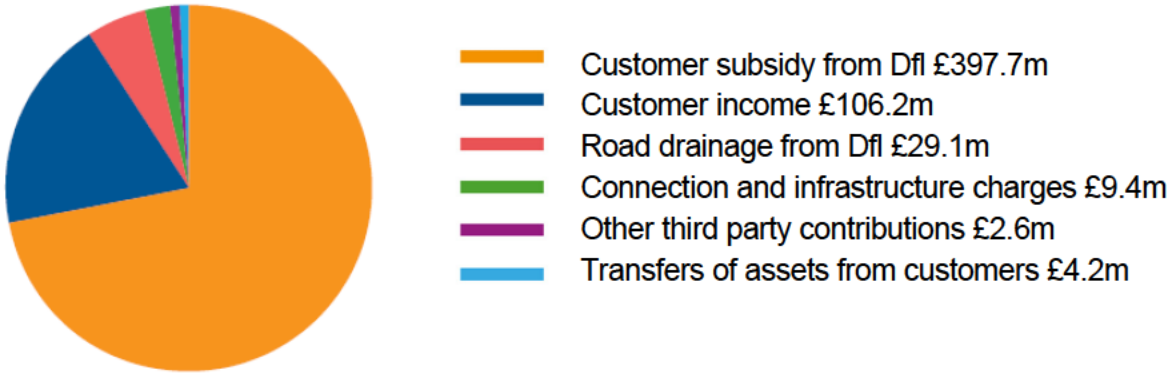
Revenue has been stated excluding the value of adopted assets (£39.9m) (2022/23: -£29.7m) following the adoption of IFRS 15 "Revenue from Contracts with Customers" in 2018/19. It is considered that the adoption of assets creates a long-term obligation to maintain the related assets and therefore the revenue should be spread over the life of the assets through a deferred credit release (£4.2m) (2022/23: -£4.1m).

### Revenue

Domestic consumers are not charged directly for water and wastewater services. As a result, NI Water is dependent on Government subsidy for 72% of its total revenue.

Revenue was £549.3m for the year to 31 March 2024 (2023: £479.3m). Included in revenue was £426.9m (2023: £370.7m) received from the DfI, being subsidy of £397.7m (2023: £345.5m) and road drainage charges of £29.1m (2023: £25.2m). All the revenue was in relation to NI Water Limited as subsidiary revenue was all within the group.

### Sources of revenue 2023/24 (£m)

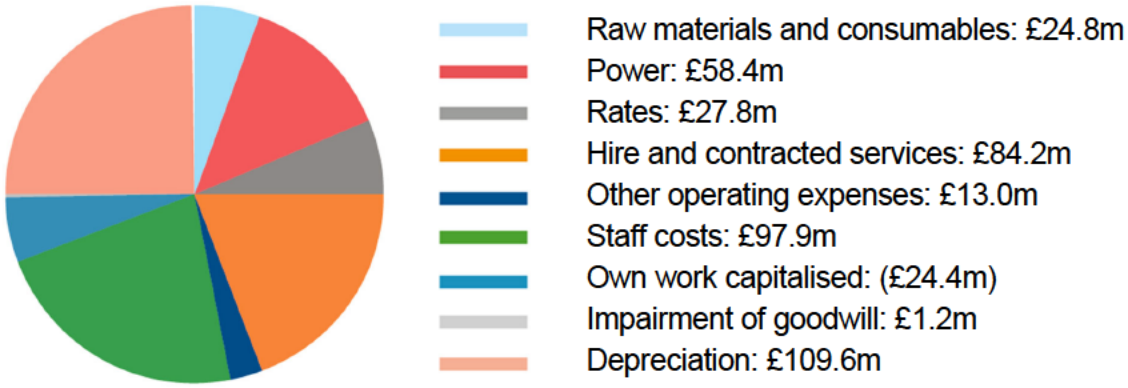



## 2.2 Costs (capital and operating) against expectations

**Operating activities**

Operating expenses in 2023/24 of £392.6m (2023: £375.6m) increased from last year. The increase primarily resulted from higher hired and contracted services, higher staff costs and higher depreciation costs as a result of the increased asset base offset by lower power costs. Results from operating activities before interest for the year was £157.7m (2023: £105.0m).

### Operating expenses 2023/24 (£m)




**Finance income and costs**

The net finance costs are primarily due to interest on our borrowings of £60.0m (2023: £52.5m) and our Public Private Partnership (PPP) liabilities of £9.9m (2023: £10.5m). This was partly offset by bank interest received of £4.2m (2023: £1.0m) and interest income on the pension plan assets of £2.6m (2023: net finance cost £0.6m).

**Taxation**

The tax charge for the year was £24.0m (2023: £5.3m) for which payment is deferred to future years. The effective tax rate for the year to 31 March 2024 was 25.1% (2023: 11.5%). The higher tax charge in the year was largely due to the increase in taxable profit and the increase in the rate of corporation tax from 19% to 25% from 1 April 2023.

## Distributions

The Board will consider a proposal to declare a dividend of £24.0m later this year (2023: £21.0m).

## Capital Structure

The Consolidated Statement of Financial Position (SOFP) at 31 March 2024 is summarised below.

Total assets increased by 8.5% to £4,384.0m (2023: £4,041.0m).
Our net debt[1] figure was £1,849.5m at 31 March 2024 (2023: £1,678.3m).
Gearing (the ratio of net debt to equity and net debt) was 60.1% (2023: 58.9%).

### Summary Consolidated Statement of Financial Position

| | At 31 March 2024 £m | At 31 March 2023 £m |
|---|---|---|
| Total non-current assets | **4,209.9** | 3,858.7 |
| Total current assets | **174.1** | 135.8 |
| Total assets | **4,384.0** | 3,994.5 |
| | | |
| Equity | **1,230.2** | 1,172.4 |
| Total non-current liabilities | **2,913.9** | 2,609.4 |
| Total current liabilities | **239.9** | 212.7 |
| Total liabilities | **3,153.8** | 2,822.0 |
| Total equity and liabilities at 31 March | **4,384.0** | 3,994.5 |

## Liquidity

Operating activities generated a net cash inflow of £275.8m (2023: £209.1m). Net cash outflows of £362.9m (2023: £285.7m) related to investing activities. Net financing activities created a cash inflow of £117.3m (2023: inflow £64.4m).

Our working capital requirements are met from a committed working capital facility of £20m and from available positive cash balances.

Interest is accrued on the working capital facility at floating interest rates based on Bank of England Base Rate.

Investing activities included the acquisition of property, plant and equipment of £368.1m (2023: £287.4m), interest received of £4.2m (2023: £1.0m), proceeds from the sale of property, plant and equipment of £0.2m (2023: £0.4m) and grants received of £0.8m (2023: £0.4m).

## Pension funding

The pension scheme was valued (net of the associated deferred tax liability/asset) as an asset of £60.0m at 31 March 2024 (2023: asset of £46.5m). This was made up of a total market value of assets of £323.6m (2023: £300.1m) less actuarial value of liabilities £263.6m (2023:

[1] Refer to Notes A7 and B4 in the Statutory Accounts. Net debt consists of loans from the DfI of £1,809.6m (2023: £1,594.6m), external loans relating to subsidiaries of £53.9m (2023: £60.7m), derivative financial instruments of £0.7m (2023: £1.0m); and finance leases of £89.4m (on consolidation Alpha finance lease excluded) (2023: £95.8m) less cash and cash equivalents of £104.0m (including £13.6m from consolidated entities), (2023: £73.8m (including £15.3m from consolidated entities)).

£253.7m).

**Capital**

We have invested £3.5bn in Northern Ireland's water and wastewater infrastructure since our formation in 2007/08.

Around £342m of capital investment was delivered during 2023/24. £191m was invested in maintaining the current assets and a further £150.6m was invested to deliver quality enhancements, improve service and accommodate growth.

## 2.3 PPP contracts

### Kinnegar Wastewater Treatment Works

A contract with Coastal Clear Water Limited was signed on 30 April 1999 for the provision of sewage treatment, which covered the upgrading of the Kinnegar Waste Treatment Works with a capital cost in the region of £11 million. The contract is for 25 years with an end date of 30 April 2024. The cost and net book value of assets included in Property, Plant and Equipment 31 March 2024 is £14.39m and £6.23m respectively (2023: £13.32m and £5.42m). The amount included in PPP Creditors at 31 March 2024 is £0.05m (2023: £0.46m).

### Alpha

A contract with Dalriada Water Limited was signed on 30 May 2006 for the provision of bulk drinking water supplies. This has a capital cost in the region of £111 million. The service provision commenced roll-out from November 2008. The contract is for 25 years with an end date of 29 May 2031. The cost and net book value of assets included in Property, Plant and Equipment at at 31 March 2024 is £133.633m and £76.542m respectively (2023: £131.832m and £78.925m). The amount included in PPP Creditors at 31 March 2024 is £64.43m (2023: £69.96m). With the acquisition by the Group of Dalriada Water Limited during 2017/18 the PPP creditor at group level is eliminated on consolidation.

### Omega

A contract with Glen Water Limited was signed on 6 March 2007 for the provision of sewage treatment / sludge disposal at six sites with a capital cost in the region of £132 million. The contract is for 25 years with an end date of 5 March 2032. The cost and net book value of assets included in Property, Plant and Equipment at 31 March 2024 is £155.886m and £92.316m respectively (2023: £154.961m and £95.997m). The amount included in PPP Creditors at 31 March 2024 is £88.14m (2023: £94.00m).

| **On Balance Sheet**<br>***Alpha*** | **Alpha £k** | **Omega £k** | **Kinnegar £k** |
|---|---|---|---|
| Opex | 14,667 | 14,822 | 766 |
| Interest | 4,893 | 9,810 | 89 |
| **Total P&L Impact** | **19,560** | **24,632** | **855** |
| Capital Repayment | 5,535 | 5,854 | 409 |
| Life Cycle Maintenance | 1,516 | 2,018 | 1,298 |
| **Total Balance Sheet Impact** | **7,051** | **7,872** | **1,707** |
| **Total PPP Payments** | **26,611** | **32,504** | **2,562** |
| Effective Interest Rate used to calculate Alpha finance charge | **7.14%** | **10.60%** | **24.75%** |
| **Estimated Residual Value at End of Contract** | £84m | £86.3m | £6.2m |

## 2.4 Regulatory Capital Value (RCV)

The Regulatory Capital Value (RCV) has been developed for regulatory purposes and represents the capital base established for the purposes of setting price limits.

In line with Regulatory Accounting Guideline (RAG) 1.04, this note is compiled using figures assumed in setting prices during the Price Control (PC) process. Figures in the year to 31st March 2024 are therefore consistent with figures contained within the Water and Sewerage Service Price Control 2021-2027 (PC21) published by the Utility Regulator in May 2021.

Within the RCV, the prior year balance and in year capital expenditure have been indexed by the average Retail Price Index (RPI) over the year to March.

| | **At 31st March 2024 £'m** | At 31st March 2023 £'m |
|---|---|---|
| Prior Year Closing RCV | **3,307.4** | 2,831.6 |
| Indexation and other adjustments | **247.4** | 364.6 |
| Opening RCV | **3,554.8** | 3,196.2 |
| Capital expenditure | **340.8** | 241.7 |
| Infrastructure renewals expenditure | **57.8** | 49.5 |
| Infrastructure renewals charge | **-57.8** | -49.5 |
| Grants & contributions | **-15.9** | -15.1 |
| Depreciation (including capital grants) | **-141.5** | -114.6 |
| Disposal of assets | **-0.8** | -0.8 |
| Closing RCV | **3,737.4** | 3,307.4 |
| Average RCV | **3,522.4** | 3,069.5 |

# Chapter 3

## Efficiencies

### ACE2 Programme

Achieving Customer Excellence (ACE2) is our major transformation programme and working together with the business delivers a range of benefits from operational cost and capital expenditure efficiencies, customer service improvements and capability build.

The programme supports the development of strategic direction and is underpinned by data analytics/insights and the advancement of innovative and technological solutions.

We are focused on enhancing new capabilities for our people and across our processes, digital technology, smart assets, tools/techniques and data and are continuing to build an "Intelligent" capability across or Water and Wastewater Production Lines.

Through collaborative and innovative ways of working, we are driving transformational change and continuous improvement across intelligent operations and customer experience, reducing our energy usage and increasing access to renewable power. This Programme aims to support our ambition of continuing to grow and mature as an intelligent and world class organisation.

The Programme is organised into seven main portfolios of projects, quantifying benefits and efficiencies, new income and carbon reduction. The Programme is supported by Digital and Analytics capability which has continued to drive value through building our business intelligence and insight and also through problem solving and piloting/implementing innovative solutions.

The PC21 Programme structure, governance and resource has been approved by TSG (Transformation Steering Group) and managed by the Programme team and Management Office. ACE2 Programme is progressing well to realise the "Planning for the Future" Target of £9.1m Opex benefits for the PC21 period. In the 2023/24 Financial Year the Programme has delivered Opex benefits of £1.4m (subject to review by Internal Audit in Q1/2 of 24/25).

The transformational programme represents an ambitious and complex set of business changes. Continuing to collaborate and work together with shared goals and common metrics the PC21 Programme Plan will move us further along our Maturity Model into the "Intelligent" band, exploiting digital technology, having a whole life view of costs and investments and push us towards becoming a fully "Optimised" utility.

### Energy

NI Water recognises Energy as strategically important to it's future. As one of the biggest users of energy in NI, 2nd largest landowner and with over 3,000 network-connected sites and owning 11,300 hectares of land we recognise our responsibility to become a Net Zero organisation whilst also supporting Northern Ireland to address the Climate Emergency. Clean energy, low-carbon and digital solutions are widely recognised as the pillars of a better economy.

Recognising that we face the Climate Emergency, NI Water has developed the Climate Strategy. Our deliverables in 2023/24 focussed on developing ambitious plans and innovative solutions in both reducing energy use and exploring/delivering energy future opportunities for renewable energy. This programme of work is successfully reducing

business cost, improving resilience, driving income opportunities and supporting the business journey to becoming a Net Zero organisation.

**Energy Reduce Use**

Working with the Analytics team the Energy team have continued to reduce energy use and improve operational efficiency within the Water and Wastewater Production Lines. The development of business analytics platforms and tools (Power BI Dashboards and Apps) provide the data and insights for the project team and operational colleagues to review and analyse to deliver operational improvements and cost reductions (for e.g. Cost to Serve, Sub Metering Analysis, energy consumption, pumping efficiency, actionable data into our high consuming Water Pumping Stations to understand SEC (kWh/Ml/M) and asset performance data).

Through 4 key workstreams (Water Supply (Abstraction and Production), Water Delivery, Wastewater Collection and Wastewater Treatment and Recycling) work has been progressing in the following key areas: for example Network optimisation, Process Control Improvements at selected Wastewater sites, Water & Wastewater Pump Optimisation and efficiency, WW Real Time Control, further rollout of Odour Control, LED Lighting, Groundwater abstraction and investigatory work for Hydro Turbine opportunities.

- In 23/24 pump optimisation sites completed were Ballygomartin WPS, Seagahan WTW (Corran pumps), North Road WPS, Garstings Hill WPS, Tullywhisker and Castletown High Lift Pumps at Derg WTW, Poleglass WPS
- LED Lighting Projects completed in Altnahinch WTW, Dungonnell WTW, Ballinrees WTW, New Holland/Lisburn WwTW

Working collaboratively with:

- Customer and Operations colleagues to identify and implement energy efficiency improvements in the Water & Wastewater Production Lines within acceptable payback periods to reduce our site operating costs.
- Engineering & Sustainability (E&S) and Infrastructure Delivery (ID) colleagues, as they deliver a significant Capital Works Programme in PC21, to ensure energy efficiency is built into the front-end design and incorporated into our asset standards.

This portfolio of work continues to unlock significant energy savings across our Water and Wastewater Production Line and asset base. Outperforming targets with an outturn of £1.8m for years 1 and 2 and a forecast of c. £800k for Year 3 (subject to IA validation). A reduction in energy use reduces energy bought from the grid, operating costs, carbon emissions and provides a better service for customers.

**Energy Future**

The energy sector and market mechanisms continue to evolve. This programme of work and team continue to implement new technologies and further innovative changes to address the climate emergency. In conjunction with key external stakeholders, evolving regulation and incentives are presenting new opportunities for NI Water. Examples include renewable energy projects and moving electricity more "off-peak" - further Solar opportunities (pipeline of solar projects - planning, procurement and installation) Merchant/On-site Wind, Electrical Energy Storage Systems (investing in batteries to store power), Electric Vehicles/infrastructure and the Re-greening (tree planting) programme. Plans continue to develop for Hydrogen – Oxygen Ecosystem (development of

electrolysers), Hydrogen Logistics, Hydro (using reservoirs as a potential source of hydro power), and Resource Hubs.

Key Highlights include:

- Solar Power - As part of our PC21 commitment to double our existing 8MW of solar generation by the end of the Price Control Period we are exploring installations across our own land, through strategic partnerships and strategic projects. During the first phase of the project, we have installed over 2,000 Solar Photovoltaics (PV) panels across three sites to generate clean electricity and lower our carbon footprint. The on-site roof and ground mounted solar installations were completed at energy intensive sites at Drumaroad Water Treatment Works (WTW), Killyhevlin WTW and Limavady Wastewater Treatment Works (WwTW). The solar panels have a combined capacity of 0.9 Megawatt (MW) of power which will capture the sun's energy and convert it into electricity which will be consumed on-site reducing demand from the electricity grid. Ambitious plans are in place for Solar PV installations across the next 6 sites (estimating to generate a further 2 MW)

- Regreening our Land: With an ambitious target to plant 1 million trees on over 500 hectares of land by 2030 we are working in partnership with Forest Service and the Woodland Trust Northern Ireland. To date, we have planted c.220,000 trees across our land at Annalong, Fofanny, Dunore and Stoneyford which is helping to capture carbon and enhance our natural environment. Planting trees is important for habitat as well as helping to improve water quality for future water supply provision. In the 2024/25 planting season, we secured funding from DAERA Forest Service to draw down from Forest Expansion Scheme funding to plant c250,000 across 139 hectares on our land near Woodburn reservoir. By mid-2024, the total planted will reach almost half a million trees.

- Battery Storage: We have installed a state-of-the-art battery energy storage system powered by our existing solar farm at one of our largest water treatment plants at Dunore Point in Antrim. The battery boasts a 5.6 MWh (megawatt hour) total capacity which helps to store surplus energy generated onsite from 24,000 solar panels. NI Water can store this renewable energy when demand is low and when demand is high it can power its operations to reduce costs and keep water flowing. The battery also provides power back to the grid when required, to help support grid stability and provide greater resilience in the network to benefit NI society and economy. By generating our own renewable power, we will reduce our costs and generate income (estimated £460k in 24/25) from this installation.

The Energy Future portfolio continues to pave the way to unlock important energy savings, making significant contribution to the decarbonisation agenda and the business Net Zero Energy targets by 2030 and Net Zero by 2040. Delivering the "Power of Water" Energy Future is central to the Business Climate Strategy which has been developed, approved and shared with key stakeholders.

**Intelligent Operations**

Intelligent Operations is a key element of our programme. Adopting a new approach to operating and maintaining our Water and Wastewater Production Lines, we are harnessing the power of smarter ways of working and digital technology to form strengthened Asset Performance, Situational Management and Analytics capabilities.

We are continuing to develop and build our Intelligent Operations capability and ambitions. This is being achieved by evolving our roles and responsibilities and adopting a new operating approach in the 3 key areas of change:

- Co-location of Customer and Operations teams within the Intelligent Operations Centre "Hub".
- Smarter ways of working - building capability to become a world class organisation, and
- Exploiting digital technology and harnessing the power of data – accessing a wide range of advanced analytics, Artificial Intelligence (AI) and automation digital technologies that can help us understand and predict what may occur.

**Co-location of Customer and Operations teams within the Intelligent Operations Centre "Hub"**

- The Intelligent Operations "Hub" is well established, facilitating the co-location of the Customer and Operations Directorate leadership and supporting teams.
- The "Hub" facilitates much greater colleague and team collaboration. Customer teams working alongside Work Control, Telemetry, Metering and Billing, Energy, Water and Wastewater Production Line teams has proven successful and enables everyone to work "Hybrid" together from one centre
- In 23/24 the Capital House Strategy and exit plans have been well executed with customer teams re-located to the "Hub" and the Westland site.

**Smarter Ways of Working/Exploiting digital technology and harnessing the power of data**

- We are continuing to focus on developing our Intelligent Operations capability to optimise our production lines, develop our asset performance capability and exploit data to reduce our costs. Water and Wastewater Production Lines are at the core of delivering our services to our customers and we are continuing to build capability, capacity, resilience and further drive "end to end" efficiencies and new "ways of working" for our business.
- The outputs from the work of the Strategic Priority Group (SPG) continues to enable a collaborative approach to align and integrate Production line direction with PC21 Intelligent Operations and the Asset Delivery Programme.
- The development of Business Analytics Platforms and Tools - Power BI Dashboards and Apps provide the data and insights for the Project team and operational colleagues to review and analyse to deliver operational improvements and cost reductions.
- We are evolving to operate in 'real time' to predict and pre-empt adverse impacts to service (better fixes) and to identify the actions that will prevent service failures through data analysis (deal with the root cause). By being more intelligent at managing the network, customer service will continue to improve and costs will reduce. These activities underpinned by longer-term investments in technology that is focussed on enhanced analysis, remote control and automation are developing as part of Intelligent Operations.
- Working examples include:
    - Focusing on our cheapest sources of supply
    - Development of Situational Awareness (Vital signs) to monitor the current performance of the Networks
    - Development of a range of Energy Performance and Tracking Tools
    - Embedding "Cost to Serve" within the Business. Further development and implementation of the Cost to Serve Dashboard is enabling colleagues across the business to make more informed operations and business decisions. The Dashboard is helping to drive efficiency and performance allowing Area and Field managers to understand performance and target metrics and then to actively manage all costs within their operation and asset area.
    - Developing our asset performance capability - establishing Asset Performance Measures (Compliance, Energy, Failures),

- Initiating development of WW Catchment Smart Networks.

**Capital - Asset Excellence**

Continuing to build our Engineering and Sustainability (E&S) and Infrastructure Delivery (ID) capability and better understanding of asset performance is allowing us to make better investment decisions, design better solutions to deliver our major Capital Works Programme more efficiently, innovatively and proactively to support the green economy. We are continuing to promote collaboration with the supply chain, encourage early supplier involvement and continue our drive for excellence in the delivery of our capital programme.

Programme work has been built on 3 priorities - to:

- Enable the delivery of a scaled-up capital programme (from PC15 to PC21).
- Deliver the capital works programme efficiently, and
- Create a capable and resilient organisation and ways of working that can sustain delivery into the future.

The wider Programme consisted of 7 workstreams with examples of key themes below:

1. ISO Landscape – ensuring an integrated approach to asset optimisation, quality enhancement and maintenance efficiency. Alignment of NI Water management systems to the international standards for asset and quality management systems; including maintenance optimisation via
   the Road maps for ISO55001 and ISO90001
2. Collaboration – collaborative working both across the business and with Integrated Partnerships ensuring earlier engagement with our supply chain. Driving accountability within the project environment (client and supply chain) delivering improved project performance.
3. Independent Technical Challenge (ITC) – challenging the status quo thinking to establish if we can deliver more for the customer, business whilst supporting the green economy. Driving efficiency through innovation and engineering challenge.
4. Digital – the development of integrated Dashboard data and metrics to drive performance enabling a performance culture through the power of data visualisation to drive objective, evidence-based actionable insights via Performance Hubs across the Directorate.
5. Deliverability – Improving project management capacity by changing the ways of working between NIW PM's and supply chain consultancy partners.
6. Sustainable Working – ensuring we have a plan for tomorrow's organisation that can deliver on our stakeholder expectations. A more efficient Capital Works Programme with automated reporting of contractor and consultant KPIs; enhanced cost forecasting; enhanced efficiency tracking and more streamlined approval processes. Achieving Association for Project Management (APM) certifications ensuring project managers are equipped with the latest methodologies and guidelines.
7. Operating Model – establishing the needs of the future organisation and the capabilities and capacities required to set up for success in PC27.

**Customer Experience**

Achieving Customer Excellence remains at the heart of the operation and the Programme. This area of the Programme focusses on continuing to deliver a series of digital tools, technologies and processes that will drive an enhanced service offering and experience for both internal and external customers.

There are a number of key workstreams and themes:

The Contact Management team are transforming how we engage with customers including introduction of more proactive and digital contact channels.

The Channel shift strategy is focussed on our customers and working to extend our range of contact channels - reducing the need for customers to contact us in the first instance. This project has led to improved performance where the company has exceeded targets in all 3 regulatory customer metrics: Unwanted Contacts volumes below 62,500, a Net Promoter Score of 42 and First Point of Contact Resolution (FPOCR) of 84%. Customer Journeys have improved for No water complaints, Septic tank de-sludge requests, Water Quality complaints and Blocked Sewers.

The CBC Contract has been renewed, delivering an outcome and approach that best serves our customers and our business. Based on modern digital technology solutions that are sustainable over time the aim is to positively transform our ways of working and the experiences of our customers and staff while also providing enhanced value for money to our customers. We have reduced the number of warm voice calls whilst maintaining exceptional service for our external customers.

Based in the Customer Relations Management Centre the Developer Services team continue to deliver operating model, process and customer improvements. The Digital Services Platform and Self-Service Portal has now been in operation and embedding since Feb. 23. Developers and housebuilders can access the digital Self-Service Portal to apply online for new connections; sewer adoptions; and discharging trade effluent. The success of Digital Services can be seen in a number of ways. From a measurable perspective, the system managed c.£10m revenue, in contrast to c. £6m which had been manually processed in the previous years. The majority of customer feedback on the Digital Services system has been positive and the team have developed a robust mechanism for identifying future enhancements.

**Commercial: Value Management**

The commercial team has established the Commercial Centre of Excellence in line with the Commercial Excellence Design Principles - Strategy, Process and Control, Organisation, People & Culture, Technology and Performance Management.

This Portfolio is focussed on Supply Chain Resilience, managing market volatility, driving value from negotiating lower prices with suppliers, avoiding value leakage in contracts, using data analytics to better understand and manage our contracts and spend, standardising the items we procure, streamlining our internal contract management and purchasing processes both within our commercial teams and for front line employee/managers.

The commercial contract management team are responsible for all strategic and key operational contracts and continue to build capability and drive value through the supply chain.

The Commercial Management Office (CMO) is responsible for providing support & guidance, as well as performance management of all commercial activity. This business performance service has been established to ensure:

- Value is driven from category and contract management and captured through delivered benefits;
- Continuous improvement of commercial processes & procedures; and

- A Performance driven environment with clear targets, measurement and meaningful reporting - all supported by the Commercial Contract Management System (CCMS - Atamis) enabling enhanced information through automated reporting/dashboard.

Due to ongoing economic issues, a key area of focus in 23/24 FY was management of the Supply Chain in terms of engagement, supply chain resilience, monitoring market volatility and cost pressures. The team have identified and delivered significant Opex benefits (yrs 1 &2 c. £3m) with 23/24 benefits currently being confirmed.

Further to Tendering and Contract Management activities the Commercial team continue to build team capability through team training and continuously improve by leading successful collaborative Supplier engagement events, workshops and conferences.

**World Class Working**

The Performance Excellence Portfolio has been established to:

- Improve Business Performance by reviewing Metrics, using data "insights" and automated reporting to refresh Performance Hubs
- Equip the organisation to deliver Continuous Improvement (CI) in a consistent way to initiate and deliver sustainable change. Building capability and embedding tools and metrics create more efficient processes, remove unnecessary work, automate and boost productivity.

In 23/24 the focus has been on:

- Continuing to improve the EC Performance Hub - aligned to NI Water's 5 Strategic themes an EC Performance Hub Digital Dashboard has been developed using Power BI to assist in business reporting, prioritisation and decision making.
- Developing a Pilot Project to deliver "Lean Six Sigma" Green Belt training for a cohort of 12 participants from across the business. The objectives of this Pilot are for the participants to complete formal training, pass exam, apply the DMAIC approach to a business project demonstrating business operational improvements (cost reduction, process improvements, compliance improvements etc.) and to complete assessment to gain externally recognised BQF Accreditation.

Engaging and aligning with key stakeholders including the business Learning and Development Programmes has been an essential part of this work. The Pilot continues into the first half of 24/25 and the results are to be assessed to include lessons learned and a cost benefit analysis. Evidence may include building capability, operational improvements, delivering cost reduction and service improvement as well as helping to continue to establish a culture of continuous improvement for the Business. It is predicted that the results of the Pilot will help to shape future direction of travel for CI.

**Business Analytics**

Analytics capability has continued to grow and drive value through building up our business intelligence and insight e.g. Customer dashboard, asset energy performance dashboards, cost to serve, problem solving, piloting and implementing innovative solutions. Funding has been secured for innovative business solutions and Research and Development. Examples of progress includes - Development of Situational Awareness (Vital signs) to monitor the current performance of the Networks, development of a range of Energy Performance and Tracking Tools, embedding Cost to Serve within the Business, establishing Asset Performance Measures (Compliance, Energy, Failures), initiating development of WW Catchment Smart Networks.

Process reviews, automation and use of data, digital dashboards, analytics & metrics have supported decision making, performance and efficiency. Trend analysis has enabled a more predictive view and scenario modelling has supported the management of risk.

Digital dashboards are providing real value and a "lens" for Customer, Energy, Water and Wastewater Production Lines and continuing to link solutions to Intelligent Operations and Systems thinking.

This work continues to support Water and Wastewater Production Line performance and cost optimisation not only in real time but also in the short and medium to long term.

Work continues on development of the data strategy, next level of data analysis, people development and potential AI applications.

## Chapter 4

### Competition

There are no developments to report in respect of inset appointment proposals, common carriage or water supply licensing proposals. NI Water has made no requests for common carriage or wholesale water supplies.

# Annual Information Return 2024

## Section 2

## Tables and Commentary

# Chapter 1 - Promoting the Efficient Use of Water

This report examines a range of water efficiency activities undertaken by Northern Ireland Water for household and non-household customers over the course of this reporting period. The company is committed to promoting and improving water efficiency for all its customers.

The NI Water Education Team (WET) are continuously adapting their water education programme in response to challenges presented as a result of climate change and population growth which are impacting on demand for water particularly during the summer months. The education team have been evolving to more innovated approaches by applying online support and advice for water users through the 'Get Water Fit' platform where NI Water customers can access water saving advice and devices online. This service complements the education programmes delivered to schools and communities and targets those hard-to-reach groups within society.

The Water Education Team (WET) consists of two full time employees who visit schools, community groups, specialist groups and organisations working in partnership with stakeholders and other partners. Approximately 60% of the Educator's time is spent promoting water efficiency.

The key elements of our strategy are as follows:-

1. Efficient use of water in the home -
   a) ensuring no leaks from taps, toilets, pipe joints etc;
   b) cistern displacement devices used where necessary;
   c) efficient use of domestic appliances e.g. full load for washing machine, dishwasher and selecting water saving options on appliances;
   d) use of showers rather than baths, and using a shower timer to reduce time spent in the showers; and
   e) shower head and water tap aerators are recommended.

2. Efficient use of water in the garden -
   a) awareness of the amount of water used through garden hoses and sprinklers;
   b) encourage the use of a water gun if using a hose;
   c) encourage the use of water butts;
   d) use water retaining gels for plant containers;
   e) encourage use of mulch; and
   f) plant drought resistant plants.

WET have facilitated a variety of educational Tertiary talks/visits:-

- Stranmills University College, Belfast – 27 April 2023
- Southern Regional College – 16 November 2023
- Queens University Belfast – 21 November 2023
- Queens University Belfast – 23 November 2023

Events that were attended on request:-

- Waterfront Hall Science Blast Event – April 2023
- Balmoral Show – May 2023
- World Environment Day at Northwest Regional College – June 2023
- Garden Show Ireland – June 2023

- HMRC Sustainability Event – June 2023
- Belfast Maritime Science Event – September 2023
- Civil Service Staff Water Conservation Engagement - October 2022
- DUP Party Conference – October 2023
- Climate Action Interactive learning session for Secondary Schools – November 2023
- NI Science Festival, NI Water Treatment Works - February 2024
- NI Science Festival, Derry – February 2024
- Alliance Party Conference, March 2024

Staff who facilitated and attended the above online educational events promoted the practice of water conservation through these online channels and by means of follow-up visits to schools providing leaflets, promotional items and giving advice on using water wisely.

A variety of water efficiency promotional items are used whilst delivering all the above educational events which include:-

- Waterbutts
- Leaky Loo strips
- Toothy Timers
- Shower timers (4 mins)
- Waterwise Leaflet
- Promotional and Educational leaflets
- School water audits
- Water efficiency bookmarkers
- Interactive games encouraging conservation
- Save-a-Flush

Water efficiency leaflets are also available for download from the NI Water website along with a printable poster “Stop those drips”.

**Household**

**1. Cistern Displacement Devices (CDDs)**

These can be requested by the customer directly through NI Water’s Customer Service Centre (CSC) or from the Save Water Save Money online platform. For 2023/24 NI Water has distributed 153 CDDs.

The calculation for water savings achieved in 2023/24 reporting year is as follows:

**S*O*F*(D*I) = Savings in litres**

S= Savings per flush, O= Occupancy rate, F= Flushing frequency per person per day,
D= Number distributed, I= Installation rate.

Values derived from the Ofwat Water Efficiency Targets were used to estimate the number of CDDs installed. Using the Ofwat Efficiency Report the volume displaced per flush was recorded as 2.5 l/per flush and flushes per person per day as recorded as five. This figure is the average savings per flush achieved through the installation of save-a-flush, which are the CDDs distributed by NI Water. An installation rate of 70% was due to the distribution method used i.e. through requests, schools and community groups. Occupancy rate was 2.5 from NISRA.

Calculation:
2.5*2.5*5*(153*0.7) = 3,346.875 l/per day = 0.003346875 Ml/d

**2. Distribution of Water Butts**

During this reporting period, NI Water distributed water butts to schools and the wider community. The total for this year is 131.

The calculation for water savings achieved in 2023/24 reporting year is as follows:

**S=V*F*1*N**

S= savings per butt, V=volume of water butt, F= fills per year I= instillation rate, N= number of Water butts. Using the Ofwat Efficiency Report, the volume (200L) is company based (NI Water) and the fills per year is estimated at 6 and the installation rate is 100%.

Calculation:
200*6*1*131 = 157,000 l per year:
157,000/365 days = 430.6849315068 l per day = 0.000430684931 Ml/day

**3. Shower Timers**

Over the reporting year 7,415 shower timers were distributed through the Save Water Save Money online platform site. The installation rate of these can be assumed at 23% (Ofwat Water Efficiency Targets).

The calculation for savings achieved in 2023/24 reporting year is as follows:

**D*I*S = Savings in litres**

D = Number of shower timers distributed, I = Likelihood installed, S = Savings in litres per property per day.

Calculation: 7,415* 0.23* 5 = 8,527.25 l/per day = 0.00852725 Ml/d

**4. Gel Bags**

There were 152 gel bags distributed as part of the allotment group talks and shows. Using the Ofwat Water Efficiency Targets, a saving of 0.1 litres per property per day can also be assumed. Installation percentage would be 25% due to their distributed method.

The calculation for savings achieved in 2023/24 reporting year is as follows:

**D*I*S= Savings in litres**

D = Number of gel bags distributed, I = Likelihood installed, S = Savings in litres per property per day.

Calculation 152*0.25*0.1= 3.8 l/per day= 0.0000038 Ml/d

**5. Toothy Timers**

There were 94 Toothy Timers distributed through the Get Water Fit online platform.

The installation rate of these can be assumed at 23% (Ofwat Water Efficiency Targets); a saving of 12 litres per property per day can also be assumed.

The calculation for savings achieved in 2023/24 reporting year is as follows:

**D*I*S= Savings in litres**

D = Number of Toothy Timers distributed, I = Likelihood installed, S = Savings in litres per property per day.

Calculation 94*0.23*12* = 259.44 l/per day= 0.00025944 Ml/d

**6. Leaky Loo**

There were 346 Leaky Loos distributed through the Get Water Fit online platform.

The installation rate of these can be assumed at 23% (Ofwat Water Efficiency Targets,) a saving of 5 litres per property per day can also be assumed.

The calculation for savings achieved in 2023/24 reporting year is as follows:

**D*I*S= Savings in litres**

D = Number of Toothy Timers distributed, I = Likelihood installed, S = Savings in litres per property per day.

Calculation 346*0.23*5* = 397.9 l/per day= 0.0003979 Ml/d

**7. Water Audits Completed by Company**

No audits were completed in the homes of customers for 2023/24.

Presently in Northern Ireland domestic customers do not pay for their water and wastewater services as customers are not metered. Therefore, the only way to help foster change in attitude and behaviour is by demonstrating to the customer how they can financially benefit i.e. save money on electricity, for example by reducing time spent in the shower or reducing the number of showers they have in a week and the number of times the washing machine and or dishwasher is used.

**Non-household**

NI Water operates a large user discount scheme which is dependent on the commitment of the customer to water efficiency. The customer will have to provide evidence of promoting water efficiency; this may be through changes in procedure, installing water saving devices, installation of recycling plants and the review of water efficiency by an independent industry expert. (www.niwater.com/largeusertariff.asp)

The NI Water website is updated and reviewed on a regular basis. The site has been developed to encourage water efficiency within the commercial customer sector. The areas included are:

- Why Save Water?
- What is Normal Water Use?
- What is a Water Balance?
- Water Efficient Plumbing Appliances?

The website is accessible to all customers with internet access enabling them to source information to assist them in making decisions about water efficiency.

**8. Water Audits**

During 2023/24 reporting period 1057 Water Audits were processed through the ‘Get Water Fit’ online platform.

To calculate the savings achieved through this initiative it is necessary to make assumptions on the savings achieved (Ofwat Water Efficiency Targets). The percentage acted upon is assumed at 13.5% saving 13.5 litres per property per day:

**D*A*S = Savings in litres**

D = Number water audits carried out by company, A = Likelihood acted upon,
S = Savings in litres per water audit.

Calculation: 1057*13.5 = 14,269.5 l/per day = 0.0142695 Ml/d

No Commercial Audits were distributed during this reporting period. The document is available on-line as an advice leaflet for business customers titled “Advice for Business Customers” with an additional document “Business Water Audit”. Due to cost restrictions, these leaflets have not been published but are easily available on the NI Water website.

**Savings and Costs**

These savings have been achieved by adding together -

- Household-Water Efficiency Methods
- Non-Household-Water Efficiency Methods
- Other Water Efficiency Methods

Leakage: No savings or costs are sustained by NI Water through supply pipes being repaired, as NI Water does not operate a free/subsidised repair/replacement scheme. If NI Water repairs any leaking supply pipes, this will only happen after a leakage notice has been issued and the customer has failed to carry out sufficient work to rectify the problem. NI Water will then repair the supply pipe and any cost will then be charged to the customer.

**Water Efficiency Methods**

NI Water has implemented a comprehensive and proactive approach to promoting water conservation and efficiency, particularly focusing on children and young people through educational programs. The emphasis on reaching out to schools and engaging with students through tailored programmes were developed to achieve changing behaviour and attitudes in line with NI Water’s key water efficiency messages and assist us in connecting with those hard to reach within communities.

Given that education visits are NI Water’s most effective method of delivering their key Water Efficiency messages, the education team have continued with their already established innovative approach of delivery to reach communities and wider society.

Conservation classroom and Waterbus presentations were delivered over this past year, with the majority of these being provided on a weekly basis and working in conjunction with the Eco Schools Award scheme. The double decker Waterbus is a mobile educational classroom and provides presentations, displays, experiments, quiz, demonstrations, multi-media and computer facilities. This mobile facility aims to make children aware of the range of water topics and issues such as the water cycle, water for health, water sources, water/wastewater cleaning and water efficiency with all programmes designed for Key Stage 2 (P5-P7) within the revised NI curriculum.

NI Water has a Wastewater Heritage Centre site at Duncrue Street, Belfast. This location provides an insight into the history of water supply and removal of wastewater along with the importance of why we should not waste water. We consider educational interaction with

schoolchildren to be the vital link with parents, bringing news and promotional items home and encouraging them to become more water efficient and be aware of the value of water management. Key Stage 3 talks by NI Water's Education Team have also continued during this reporting period and have seen a continuous demand for these visits.

Also, during this period we continued the partnership with 'Get Water Fit' which is an online platform where NI Water customers would go online and complete a household water audit of their daily water usage and in return would avail of free water saving devices in areas of need that were identified through the audit and delivered straight to their homes.

The recognition of the influence that children can have on their families' behaviours through "pester power" is a smart strategy for extending the reach of water conservation messaging beyond the classroom and into the community. By involving students in learning about water management and efficiency, NI Water is not only fostering a culture of conservation among younger generations but also indirectly influencing the attitudes and behaviours of their families.

During this reporting period the WET facilitated **78** community visits/events delivering our key message on water conservation. There were also **219** KS2/KS3 school visits promoting water conservation within a classroom and assembly setting delivered over this past year, with the majority of these being provided on a weekly basis and working in conjunction with the Eco Schools Award scheme and within the NI education curriculum. This service has been well received by the Education Authority (EA) and over this reporting year we have reached **19,789** KS2 and KS3 pupils during 2023-24 school year with our key messages on water efficiency.

Overall, it seems NI Water's efforts are effectively utilising education as a tool for promoting water conservation and efficiency, with a focus on engaging both schools and wider communities.

**Interactive Education & the Community section on NIWater.com**

NI Water has dedicated website pages with advice on household and commercial water efficiency. Included in these pages is a domestic self-water audit, which allows domestic customers to calculate their average daily consumption per resident. This audit has the added benefit of doing calculations automatically and provides NI Water with completed audits instantly once the customer has submitted it. The website also includes guidance on the types of appliances that could be installed into homes and business, which would help them to become more water efficient in the future. During this past year, NI Water's education site which includes water efficiency tips has had **3,136** views and we have also seen **582** customers using our online water saving calculator.

www.niwater.com/education-and-the-community/

Over this past year we have continued to update the Education & Community section on our website with rich, informative content focused on informing water users about our key messages.

The extensive interactive content is used to not only educate users but also to position NI Water as a key stakeholder in the community, addressing important water use issues with a slightly more informal tone of voice.

The content is primarily targeted at school pupils with an animated design but is equally accessible by adults. It has been benchmarked against other leading water companies' equivalent sections and has been built with future proofing in mind by using non-native code platforms.

This education section within NI Water's website has been visited 2,185 times during 2023/24.

**Main interactive sections:**

- **Bag it & Bin it**
  www.niwater.com/bag-it-and-bin-it-interactive/

  Scrolling content building on the key "Bag it and Bin it" message and the importance of not flushing the "dirty dozen" down the toilet.

- **Water Saving Calculator – How much water do you use?**
  www.niwater.com/why-save-water/

  The calculator is designed to provoke awareness and thought on how much water households are wasting.

- **Silent Valley**
  www.niwater.com/silent-valley/

  This sub-section promotes Silent Valley as a visitor destination for families, groups and schools:
  - Image Gallery
  - Walking trails map
  - How to get there - embedded Google map for users to find directions from their address; and
  - Visitor information, downloads, podcasts.

**Print, Broadcast and Online Media Value**

Throughout this past financial year, NI Water's Communication Team have been proactive in promoting water efficiency through various media campaigns. The Communications Team delivered several media campaigns (including social media) around promoting water efficiency, including tips on how best to conserve water. An investment of **£68,614** financially supported this message which engaged customers on a wider scale and made them think about how important water is in their daily lives. The team used a mix of communication channels in this campaign from TV, radio, static OOH, digital OHH and social.

Also, this past year we have seen how NI Water have been active in encouraging water efficiency through educational and community campaigns. Another mechanism of raising the importance of water efficiency has been through the use of media. The Water Efficiency campaign generated **48** articles (print, broadcast, online), media items between April 2023 and April 2024, generating **£285.7k** financial PR value with a **14.2** million potential reach.

We also ran an advertising and PR campaign on Save Water Save Money during June 2023. This campaign used short animations that highlight water usage in the garden and how it could be reduced/saved. Information such as using water saved from the kitchen

could be used to water plants, clean the car, wash windows, as well as provide advice on using a watering can instead of a hose to save water.

The Education team promoted water efficiency through their school and community visits which had extensive media coverage across print, social media and broadcasting platforms. These education visits generated **178** articles with a financial PR value of **£69.9k** and had a **3.9** million potential reach.

NI Water also highlighted throughout the year the issue of water efficiency and in particular the potential for frozen pipes as part of its “Winter Preparation Campaign”. Beware of frozen pipes and calls to be mindful of water usage were the main drivers of both the reach potential and AVE value for 23/24’s Winter Preparation coverage. The campaign generated **95** articles (print, broadcast, online), media items relating to NI Water's Winter preparation between November 2023 and February 2024, generating **£30.1k** financial PR value with a **2.4** million potential reach.

Some of the campaigns are as follows:-

- Save Water Save Money
- Winter Preparation Campaign
- Beware of frozen pipes

| Efficiency Method | Total | Cost £ | Savings per Ml/ day |
|---|---|---|---|
| **Household** | | | |
| **Measurable Methods** | | | |
| Cistern Devices (0.57p each) | 153 | 87.21 | 0.003346875 |
| Water butts (£24.52 each) | 131 | 3,212.12 | 0.000430684931 |
| Self-audit (On Line) | 1057 | | 0.0142695 |
| **Total** | **1,341** | **3,299.33** | **0.018047059931** |
| | | | |
| **Other Measurable Methods** | | | |
| Shower timers (£0.68 each) | 7415 | 5,042.20 | 0.00852725 |
| Gel Bags (£0.31 each) | 152 | 47.12 | 0.0000038 |
| Toothy Timers (£0.83 each) | 94 | 78.02 | 0.00025944 |
| Leaky Loos (£0.49 each) | 346 | 169.54 | 0.0003979 |
| **Education Depart (UKWIR)** | | 64,326.30 | 0.481 |
| **Total** | **8,007** | **69,663.18** | **0.49018839** |
| | | | |
| **Leaflets** | | | |
| How water wise are you (0.10peach) | 75 | 7.50 | |
| Freezing Pipe (0.17p each) | 140 | 23.80 | |
| **Total leaflets** | **215** | **31.30** | |
| | | | |
| **PR items** | | | |
| Bookmark- “Flo” kids (0.07p each) | 8,818 | 617.26 | |
| Game: Snakes and Ladders (0.18p each) | 140 | 25.20 | |
| Stop Tags (0.43p each) | 2782 | 1196.26 | |
| Tap cover (£4.66 each) | 0 | 0.00 | |
| Ice scraper (0.73p each) | 0 | 0.00 | |
| Thermometer (0.76p each) | 0 | 0.00 | |
| **Total PR** | **11,740** | **1,838.72** | |
| | | | |
| | | | |
| **Total** | | **74,832.53** | **0.508235449931** |

NI Water has a large range of leaflets and non-measurable PR items that promote water efficiency; the distribution of these may also lead to increased water savings but at present these savings cannot be calculated, but the costs for this year is **£1,870.02**.

**Assumed Savings**

Household-Water Efficiency Methods = **0.018047059931**
Other Water Efficiency Methods = **0.49018839**
The total recorded savings are **= 0.508235449931**Ml/d

The work of the Education Department has continued to significantly improve NI Water’s water efficiency figure. This can be demonstrated through the behavioural change activity which has led to our customers becoming more efficient in their use of water and the UKWIR method is now being used to quantify the water saving benefits for “softer measures” (2010 Reporters recommendation 1, (document reference) T1niw.R10 P1 S2).

The UKWIR spreadsheet WR25 “Estimating water saving calculator for baseline water efficiency” has been used. These activities have been apportioned between Medium and High Levels of engagement.

This is summarised in the following table:

| Level of Engagement | Ml/day |
|---|---|
| High | 0.62 |
| Medium | 0.026 |
| **Totals** | **0.644** |

Using the UKWIR Methodology, which as previously mentioned was recommended by the Reporter, has resulted in a general improvement in water efficiency measurement for the company.

| Year | Assumed Savings |
|---|---|
| 2009/10 | 0.048 Ml/day |
| 2010/11 | 0.216 Ml/day |
| 2011/12 | 0.264 Ml/day |
| 2012/13 | 0.227 Ml/day |
| 2013/14 | 0.219 Ml/day |
| 2014/15 | 0.304 Ml/day |
| 2015/16 | 0.299 Ml/day |
| 2016/17 | 0.517 Ml/day |
| 2017/18 | 0.502 Ml/day |
| 2018/19 | 0.782 Ml/day |
| 2019/20 | 0.830 Ml/day |
| 2020/21 | 0.199 Ml/day |
| 2021/22 | 0.489 Ml/day |
| 2022/23 | 0.455 Ml/day |
| 2023/24 | 0.644 Ml/day |

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 2 KEY OUTPUTS
WATER SERVICE - 2 (TOTAL)

| | DESCRIPTION | UNITS | DP | 1 REPORTING YEAR 2015-16 | CG | 2 REPORTING YEAR 2016-17 | CG | 3 REPORTING YEAR 2017-18 | CG | 4 REPORTING YEAR 2018-19 | CG | 5 REPORTING YEAR 2019-20 | CG | 6 REPORTING YEAR 2020-21 | CG | 7 REPORTING YEAR 2021-22 | CG | 8 REPORTING YEAR 2022-23 | CG | 9 REPORTING YEAR 2023-24 | CG | 10 REPORTING YEAR 2024-25 | CG | 11 REPORTING YEAR 2025-26 | CG | 12 REPORTING YEAR 2026-27 | CG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A** | **DG2 PROPERTIES RECEIVING PRESSURE/FLOW BELOW REFERENCE LEVEL** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Total connected properties at year end | 000 | 1 | 839.7 | A2 | 852.4 | A2 | 863.0 | A2 | 874.3 | A2 | 883.4 | A2 | 892.9 | A2 | 902.7 | A2 | 910.1 | A2 | 919.2 | A2 | | | | | | |
| 2 | Properties below reference level at start of year | nr | 0 | 1,082 | B3 | 900 | B3 | 862 | B3 | 711 | B3 | 719 | B3 | 626 | B3 | 578 | A2 | 1,715 | B3 | 1,780 | B3 | | | | | | |
| 3 | Properties below reference level at end of year | nr | 0 | 900 | B3 | 862 | B3 | 711 | B3 | 719 | B3 | 626 | B3 | 578 | B3 | 1,715 | A2 | 1,780 | B3 | 1,617 | A2 | | | | | | |
| 4 | Properties receiving low pressure but excluded from DG2 | nr | 0 | 0 | B3 | 0 | B3 | 0 | B3 | 0 | B3 | 0 | B3 | 0 | A2 | 0 | B3 | 0 | A2 | 34 | B3 | | | | | | |
| 4a | DG2 Properties with pressure below a surrogate level of 7.5m at end of year | nr | 0 | 126 | B2 | 124 | B2 | 103 | B2 | 125 | B2 | 129 | B2 | 107 | B2 | 208 | A2 | 177 | B2 | 177 | A2 | | | | | | |
| 4b | DG2 Properties at risk of low pressure removed from the risk register by company action | nr | 0 | 171 | B3 | 40 | B3 | 175 | B3 | 176 | B3 | 115 | B3 | 168 | B3 | 176 | A2 | 143 | B3 | 219 | A2 | | | | | | |
| 4c | Average capex cost of permanent solutions to DG2 problems | £000/prop | 1 | 13.9 | B2 | 26.8 | B2 | 9.8 | B2 | 4.7 | B2 | 18.7 | B2 | 4.7 | B2 | 11.4 | B2 | 3664.8 | B2 | 2,716.9 | B2 | | | | | | |
| **B** | **DG3 PROPERTIES AFFECTED BY SUPPLY INTERRUPTIONS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | **(i) UNPLANNED INTERRUPTIONS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | More than 3 hours | nr | 0 | 105,235 | A3 | 90,094 | A3 | 108,386 | A3 | 58,816 | A3 | 49,181 | A3 | 24,443 | A3 | 35,321 | A3 | 15,495 | A3 | 14,654 | A3 | | | | | | |
| 6 | More than 6 hours | nr | 0 | 8,699 | A3 | 5,128 | A3 | 6,097 | A3 | 3,509 | A3 | 6,157 | A3 | 1,834 | A3 | 13,581 | A3 | 1,322 | A3 | 1,768 | A3 | | | | | | |
| 7 | More than 12 hours | nr | 0 | 841 | A3 | 494 | A3 | 861 | A3 | 308 | A3 | 751 | A3 | 0 | A3 | 710 | A3 | 0 | A3 | 0 | A3 | | | | | | |
| 8 | More than 24 hours | nr | 0 | 32 | A3 | 0 | A3 | 0 | A3 | 0 | A3 | 23 | A3 | 0 | A3 | 12 | A3 | 0 | A3 | 0 | A3 | | | | | | |
| | **(ii) PLANNED AND WARNED INTERRUPTIONS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | More than 3 hours | nr | 0 | 33,929 | A3 | 35,484 | A3 | 38,225 | A3 | 38,289 | A3 | 28,245 | A3 | 5,306 | A3 | 5,103 | A3 | 2,504 | A3 | 2,692 | A3 | | | | | | |
| 10 | More than 6 hours | nr | 0 | 13,767 | A3 | 13,247 | A3 | 14,809 | A3 | 7,313 | A3 | 11,463 | A3 | 743 | A3 | 1,724 | A3 | 210 | A3 | 92 | A3 | | | | | | |
| 11 | More than 12 hours | nr | 0 | 0 | A3 | 0 | A3 | 0 | A3 | 0 | A3 | 0 | A3 | 0 | A3 | 0 | A3 | 0 | A3 | 0 | A3 | | | | | | |
| 12 | More than 24 hours | nr | 0 | 0 | A3 | 0 | A3 | 0 | A3 | 0 | A3 | 0 | A3 | 0 | A3 | 0 | A3 | 0 | A3 | 0 | A3 | | | | | | |
| | **(iii) INTERRUPTIONS CAUSED BY THIRD PARTIES** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | More than 3 hours | nr | 0 | 4,739 | A3 | 12,691 | A3 | 4,078 | A3 | 12,089 | A3 | 2,712 | A3 | 2,183 | A3 | 1,664 | A3 | 816 | A3 | 946 | A3 | | | | | | |
| 14 | More than 6 hours | nr | 0 | 476 | A3 | 842 | A3 | 1,145 | A3 | 2,780 | A3 | 166 | A3 | 300 | A3 | 240 | A3 | 343 | A3 | 27 | A3 | | | | | | |
| 15 | More than 12 hours | nr | 0 | 0 | A3 | 30 | A3 | 193 | A3 | 0 | A3 | 0 | A3 | 0 | A3 | 31 | A3 | 112 | A3 | 0 | A3 | | | | | | |
| 16 | More than 24 hours | nr | 0 | 0 | A3 | 0 | A3 | 0 | A3 | 0 | A3 | 0 | A3 | 0 | A3 | 5 | A3 | 112 | A3 | 0 | A3 | | | | | | |
| | **(iv) UNPLANNED INTERRUPTIONS (OVERRUNS OF PLANNED INTERRUPTIONS)** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | More than 6 hours | nr | 0 | 1,141 | A3 | 1,611 | A3 | 1,630 | A3 | 159 | A3 | 222 | A3 | 0 | A3 | 89 | A3 | 12 | A3 | 0 | A3 | | | | | | |
| 18 | More than 12 hours | nr | 0 | 159 | A3 | 417 | A3 | 1,107 | A3 | 0 | A3 | 0 | A3 | 0 | A3 | 0 | A3 | 0 | A3 | 0 | A3 | | | | | | |
| 19 | More than 24 hours | nr | 0 | 140 | A3 | 0 | A3 | 0 | A3 | 0 | A3 | 0 | A3 | 0 | A3 | 0 | A3 | 0 | A3 | 0 | A3 | | | | | | |
| **C** | **POPULATION** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | Population (winter) (total) | 000 | 2 | 1,874.73 | C2 | 1,887.10 | C2 | 1,896.46 | C2 | 1,900.66 | C2 | 1,914.49 | C2 | 1,905.05 | C2 | 1,910.42 | C2 | 1,939.70 | C2 | 1,947.17 | C2 | | | | | | |
| **D** | **DG4 RESTRICTIONS ON USE OF WATER** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | % population - hosepipe restrictions | % | 1 | 0.0 | A1 | 0.0 | A1 | 0.0 | A1 | 93.4 | B2 | 0.0 | A1 | 0.0 | A1 | 0.0 | A1 | 0.0 | A1 | 0.0 | A1 | | | | | | |
| 22 | % population - drought orders | % | 1 | 0.0 | A1 | 0.0 | A1 | 0.0 | A1 | 0.0 | B2 | 0.0 | A1 | 0.0 | A1 | 0.0 | A1 | 0.0 | A1 | 0.0 | A1 | | | | | | |
| 23 | % population - sprinkler/unattended hosepipe restrictions | % | 1 | 0.0 | A1 | 0.0 | A1 | 0.0 | A1 | 93.4 | B2 | 0.0 | A1 | 0.0 | A1 | 0.0 | A1 | 0.0 | A1 | 0.0 | A1 | | | | | | |

## Table 2 – Key Outputs - Water Service - 2

### Line 1 - Total Connected Properties at Year End

NI Water's data on property counts and classifications is reported monthly from RapidXtra within the Rapid Property Summary (RPS). The data is extracted from the Diamond Warehouse via Microsoft SQL Server to produce the RPS report.

Our AIR24 methodology has remained consistent with previous years – using the automated Property Model tool to populate Table 2 figures (this was first introduced in AIR12 – the RPS as the input).

The RPS provides us with a snapshot at the end of each month in terms of net movement; however it alone does not support in the explanation of gross movements within the data. With this in mind, during the 23/24 reporting year the C&OD Services MI & Data Team explored the use of Power BI to re-create the RPS with a drill down function to display the gross movement. The Power BI property models developed take their direct feed from the Diamond Warehouse in order to refresh. These models provide us with information on gross movements and allow us to 'slice and dice' the data from various angles, providing invaluable insights. The plan is to further enhance and incorporate these models across the business during 2024/25.

Customer/Property information is updated through:

- BAU ('business as usual') customer contacts, such as new connection requests, customer move in/move outs, or
- through Data Quality initiatives/Projects, and/or
- Metering work streams e.g. UNHH (Selectives), Optants, and Proactive Meter Exchange etc.

Under the Water & Sewerage Services (2006) Order, NI Water were required to install meters on all new household connections from April 2007. This practice has stopped as directed by a change in legislation, which took effect in July 2016. The legislation was amended by Regulations, which in effect relieved NI Water of the obligation to install meters at newly connected domestic properties. As domestic customers are not charged on a measured basis, the property is reported as unmeasured. Some domestic properties were initially reported as measured in AIR10 but this was rectified as per the erratum to AIR10. Depending on the basis for charging when domestic billing is introduced, these customers can be activated as measured household if required.

The difference between the AIR23 and the AIR24 figures is 9092. The breakdown can be explained as follows:

1. New Connections during the 2023/24 reporting year. The figures are based on data supplied by our Customer Connections Team and represent completed connections during the reporting year. The projections for New Connections remain in line with the agreed PC21 forecasts.
2. Added as a result of a customer contact. i.e. septic tank empty request, no water complaint, blocked sewer, updating of standing data e.g. removal of services etc. Within this category there are 2 scenarios:
    (a) The adding of properties NI Water allegedly did not know about
    (b) The adding of duplicates as the customer's address could not be found on Rapid. Rapid may hold the site number but when the customer contacts NI Water, they quote the verified postal address, which is different, therefore

creating a duplicate. The street name may also have changed from the time of New Connection to that of customer contact (street names can change in the early stages of site development).

3. Removal/reclassification of properties as a result of data quality initiatives/projects
    a. Duplicate properties
    b. Reclassification of properties that were recorded in error
4. Change in occupancy status – movement from void/vacant to occupied and vice-versa.

For NI Water, accurate property data is fundamental for many systems and processes, including customer service, metering, billing, consumption, leakage and Major Incident Planning & Response. The Rapid Customer Contact System contains the master property data for NI Water.

As Data Owner for Property Standing Data, The Head of C&OD Services is responsible for the property standing data held by NI Water; this is monitored and managed through the Corporate Property Register (CPR) Project. The C&OD Business Services MI & Data Team chair this group.

The role of the CPR project is to agree a single consistent source of property data and to ensure that there is appropriate governance, controls and reporting for changes made to core data on the system. As Property Data Owners, we need to ensure the processes around creation, maintenance and demolition of properties are governed and appropriate control points and associated reporting are in place. Control is key for us; as such we have identified the systems, processes and people using property information across the business, alongside confirming data accuracy and endeavouring to reduce the opportunities for erroneous data entry and creation (such as the inability to recreate demolished properties or duplicate properties).

The issues under consideration were identified as of corporate relevance, therefore, to ensure appropriate direction and governance the CPR was formalised. Key objectives include:

1. To agree a single consistent source of property data.
2. To ensure the source property data represents accurate, up-to-date information appropriate for use by the business.
    a. To understand and agree data primacy in respect of data updates from NI Water and external (Land & Property Services - LPS) sources.
    b. To ensure the processes around creation (i.e. New Connections), maintenance and demolition of properties are governed and appropriate control points and associated reporting are in place. i.e. through data validation.
    c. To co-ordinate property reconciliations between NI Water & external sources i.e. Data Sharing Agreements between NI Water & LPS, NI Water & Belfast City Council (BCC) etc and understand the reasons and validity of any differences.
    d. To understand and ensure the adequacy of long term procedures for database maintenance, including the updating of data standards and associated CDE M&M Plans.
3. To ensure the reporting requirements for the business are met relating to data held on Rapid, particularly, but not exclusively, in respect of tariffs, leakage, Annual Information Returns (AIR) & Principal Statement (PS) returns.
4. Challenge the data in the areas of

   a. Data categorisation & structure.
   b. Data robustness – i.e. where is our data good and where is there opportunity for improvement? Identify projects that could aid improvement.
   c. Data alignment – both internally and externally. Internally between systems such as Rapid, Ellipse, GIS, Diamond, Netbase, IMS etc. Externally through data reconciliations, such as LPS above.
5. To agree measures to improve the quality and integrity of the data, particularly the key CDEs as monitored by IMU.
6. To agree the content and frequency of reports required by NI Water.
7. To agree the quality checking criteria for the above data and reporting and develop a Quality Plan including the determination of responsibilities and audit trails.
8. To produce & circulate an 'operate and maintain' programme for property data to the business.

The focus for the CPR project remains the same, including analysis and action on:

- Creation of an agreed single consistent source of property information, running alongside the CBC3 timelines.
- Volume of properties coming onto the Rapid billing system on a monthly basis
    - new connections
    - customer contact
    - project work
- Volume of properties coming off the Rapid billing system (demolished)
    - sample check to ensure reason for demolition has been noted and on system audit trail recorded
- Volume of properties amended on the Rapid billing system
    - In particular, address fields -> building number, street name, town and postcode
    - sampling to identify if the data changes are data improvement or data regression
    - if data regression, further analysis into the process is undertaken
- Review of access privileges
    - Rapid audit
    - Through monthly audit samples
    - Internal CRs require sign off from CPR team as BAU
    - Working with Echo to review access privileges on an ongoing basis
- Interruptions to supply notices – returned mail
    - This returned mail has been previously brought to the attention of LPS and include properties that LPS have classified as live properties despite being returned as 'no such address' etc
    - The 2 way communication with LPS will help underpin our governance work and provide direction to the business on practices

Annex A details the Line Methodology followed by the figure for Table 2 Line 1.

**Line 2 – Properties below the reference level at start of year**
The number of properties on the Register at the start of the year was 1,780, as reported in line 3 of the previous AIR submission.

**Line 3 – Properties below the reference level at end of year**
As per the regulatory guidance, as issued and directed by Utility Regulator, this line includes properties within a 10m height of service reservoirs.

It should be noted that NI Water will not be able to provide such properties with adequate pressure through normal hydraulics; however they will be included in the DG2 register. The final number of properties recognised as being below the reference level at year end is 1,617.

The year-end figure is the direct result of removals due to Company Action as well as additions identified throughout the year. Throughout this process a surrogate pressure of 15m head in the adjacent water main has been adopted as the reference level. All properties removed from the Register during the reporting period are supported by a report and appropriate logged data. The removals process is as per NI Water's methodology and is consistent with previous AIR submissions.

**Line 4 – Properties receiving low pressure but excluded from DG2**
As per the Utility Regulator determination, properties within 10m are no longer excluded from the DG2 Register. Therefore there are currently zero properties that are justifiably covered by the exclusions as per the DG2_LoS_Methodology document. It should be noted that NI Water will not be able to provide such properties with adequate pressure through normal hydraulics.

**Line 4a – DG2 properties with pressure below a surrogate level of 7.5m at end of year**
A query of the DG2 register confirms that 177 properties experience a pressure below the 7.5m surrogate level.

**Line 4b – DG2 properties at risk of low pressure removed from the risk register by Company Action**
Calculation of the total number of properties removed as a direct result of Company Action is generally achieved by adding the properties identified by removal reports resulting from both capital intervention and operational improvements.

**Table 1**

| Removals Due to Company Action | Number |
|---|---|
| Capital Intervention | 178 |
| Operational Improvements | 23 |
| **Total** | **219** |

The final number of properties removed due to Company Action is recorded in Table 1 above as 219. 6 additional properties were removed from the Register through Better Information equating to a total of 225 properties removed from the Register during Y23/24.

**Line 4c - Average Capex cost of permanent solutions to DG2 problems**
The Utility Regulator issued guidance in April 2011 for AIR11 Table 2 which included additional reporting lines for average cost of removing DG2 properties from the Register as a result of Company Action.

This is the third year of PC21 for which the company is reporting this figure and it will allow the benchmarking of NI Water costs. The variability of cost per property removed as outlined in the table below is reflective of the current method of delivery of the Water Mains Rehabilitation Programme (WMRP). Work packages have multiple drivers and assignment of costs to DG2 removal relies on the use of the Enhancement part of the CIDA allocation for the schemes below rather than directly attributable costs. (And includes individual schemes for clusters of properties rather than arising from individual projects designed

solely to remove DG2 properties.) NI Water will continue to develop these reporting lines to deliver a more robust process for attributing costs to DG2 properties.
As PC21 progresses more tailored WP's are being developed to specifically deal solely with DG2 issues. To date in PC21, three work packages of DG2 schemes have been issued to the Asset Delivery team for construction.

The refresh of the DG2 Register began in 2021/22 and on completion has seen a sharp and significant increase in the number of properties on the DG2 Register due to the refresh. New agreed removal targets throughout PC21 will greatly reduce this number to the benefit of the affected customers.

The number of properties on the register at the start of the PC period was 578. This increased to 1,715 properties by the end of the 2021/22 year and then to 1953 properties during 2022/23 as a result of the DG2 Refresh programme (i.e. a net increase in the register of 1,375 properties). At the end of the 2023/24 year this now stands at 1617 properties.

The scheme costs and number of properties removed from the register this year are reported for each WP below where a PPRA/DIR report was produced. The costs included are for mains, with the primary justification for rehabilitation listed as "Hydraulic", which were generally replaced with a larger size of main. These mains may have a secondary structural or water quality driver also but there was no cost reduction for asset maintenance or quality enhancement applied. This matches the approach used for CIDA allocation at A1 gateway approval stage.

**OUTPUT 2023/24 Capital Intervention**

225 DG2 properties were removed from the register during 2023/24 of which 219 were removed through company action and 6 were removed through better information. Of the 219 that were removed through company action, 196 were removed by capital investment and 23 were removed by operational interventions such as DMA rezoning.

PPRA reports covering a) Strangford b) Greyabbey c) Derrynoose Road, Keady, Man of War d) Mountainview Road e) Gallion Drive, Magherafelt and f) Benraw WPS area were produced during 2023-24 which removed 196 properties from the register by capital investment.

**OUTPUT 2023/24 Zero Cost Operational Interventions**

Operational Intervention Schemes by means of rezoning were conducted at g) Drumaroad Village which removed a further 23 properties from the register. These are all detailed in the Table below.

**Table 7**

| WP Title | DG2 Properties Removed | Total Cost £ | Cost Per Removal £ |
|---|---|---|---|
| **Capital Investment Schemes** | | | |
| Strangford | 166 | 323238.47 | 1947.22 |
| Greyabbey | 6 | 61315.25 | 10219.21 |
| Derrynoose Rd, Keady, Man of War | 6 | 49849.43 | 8308.24 |
| Mountainview Road | 8 | 80812.50 | 10101.56 |
| **Cumulative Sub Total Removals** | **186** | 521829.88 | |
| | | | |

| WP Title | DG2 Properties Removed | Total Cost £ | Cost Per Removal £ |
|---|---|---|---|
| **Opps Capital Investment Schemes** | | | |
| Gallion Drive, Magherafelt | 4 | 10679.20 | 2669.80 |
| Benraw WPS area | 6 | 6614.23 | 1102.37 |
| **Cumulative Sub Total Removals** | **196** | 532509.08 | |
| | | | |
| **Operational Intervention Schemes** | | | |
| Drumaroad Village | 23 | N/A | N/A |
| **Cumulative Sub Total Removals** | **219** | | |
| | | | |
| This year's revised target is 200 | | | |
| | | | |
| **TOTAL Pro Active NIW DG2 Removals 2023-2024** | **219 achieved against 200 target** | **532509.08** | |
| Average Cost per DG2 Removal | | | **2716.88** |

Therefore, the average overall cost of removing a DG2 property from the register is obtained by dividing the total cost £532509.08 by the total number of properties removed (196 for this year) utilising the EP and Operations Capital Budgets.

**Average cost per DG2 removal = £2716.88**

The replacement mains and Water Pumping Stations were sized using the current peak demand model. The design criteria was to meet the minimum pressure level of service of 15m at every property. Hydraulic head losses were generally kept below 1 m/km and velocity at an optimum 1 m/s. If headlosses were approaching this 1 m/km threshold, consideration was given to increasing the diameter to the next size to allow for seasonal peaks in demand and additional capacity for future demand growth.

**Note**
A Supplementary Information Report similar to that requested by the reporter last year will be available for use at the annual reporter review meeting. This report will highlight the relevant cost lines from the CMS system and the corresponding removal data taken from the PPRA Reports.

By taking the combined total DG2 properties removed (Capital + Operational Interventions) = 219, against the total cost to remove these £532509.08

**Average Removal Cost = £2431.55**

**Capital Workpackage Descriptions**

Through its Water Mains Rehabilitation Programme (WMRP) Northern Ireland Water (NI Water) is replacing and rehabilitating its network assets to improve serviceability levels to its customers. As part of its regulatory undertakings, NI Water is also required to target and monitor the removal of properties at risk of receiving low pressure, which it maintains on the DG2 register.

**Strangford**

As part of the WMRP, Asset Delivery replaced and upsized approx. 2272m of existing 4”SI water mains with new 180mm HPPE water main along Castleward Road and Black Causeway Road, Strangford in order to improve levels of serviceability to NIW customers The work was carried out under JI227.113 DG2 Removal Work Package 2.

The resulting upsized replacement water main increased the pressure to 166 existing DG2 properties above the minimum 15m pressure enabling them to be removed from the DG2 register.

**Greyabbey**

As part of the DG2 Refresh Programme, 6 no. DG2 properties were identified on the Ballywalter Road and Tullykevin Road, Greyabbey. A solution was identified to lay a new 90mm HPPE watermain on Ballywalter Road. This scheme was completed by Asset Delivery under JI227.113 through DG2 Removal Work Package 2. This has resulted in all 6 properties now receiving sufficient pressure to allow them to be removed from the DG2 Register.

**Derrynoose Road, Keady (Man of War)**

6 properties were identified on Derrynoose Road, Keady as receiving below 15m head of pressure and were registered on the DG2 register. The Water Networks Model Team identified a solution by laying approx. 329m of a new 90mm HPPE water main to link Derrynoose Road into the neighbouring Castleblaney Road DMA. This scheme was completed for this by Asset Delivery under JI227.114 DG2 Removal Work Package 2 of the Water Mains Rehabilitation Programme (WMRP). This has resulted in all 6 properties now receiving above standard 15m pressure at the point of connection and their removal from the DG2 register.

**Mountainview Road**

8 DG2 properties were identified as part of the DG2 refresh programme in Mountainview Road, Banbridge. The Water Networks Model Team identified a solution by upsizing of approx. 661m of 3” SI main on Mountainview Road with a new 180mm HPPE pipe. A scheme was completed for this by Asset Delivery under JI227.112 DG2 Removal Work Package 1 of the Water Mains Rehabilitation Programme (WMRP). This has resulted in all 8 properties now receiving above standard 15m pressure at the point of connection and their removal from the DG2 register.

**Gallion Drive**

As a result of some customer complaints and following logging to confirm, 4 no. properties in Gallion Drive, Moneymore were identified as receiving below standard pressure and were subsequently entered on the DG2 register. A scheme was developed to supply the Gallion Drive housing development from the nearby Mullaghbouy to Unagh 400mm DI main by installing an underpressure tee and approx. 15m of 125mm watermain. This work was overseen by the Water Asset Performance Team and utilising the Opps. Capital Budget.

**Benraw WPS**

As a result of upgrade work at Benraw WPS by the M&E Section, new Grundfos CR15-7 pumps were installed along with upgraded and upsized pipework and valves. This has resulted in 6 no. existing DG2 properties on Dolmen Road and Legananny Road now receiving higher pressure which has enabled them to be removed from the DG2 register.

This upgrade work was overseen by the local NIW M&E Section and Water Asset Performance Team and utilising the Opps. Capital Budget.

**Further Work Packages to be reviewed next year 2024/25**

A spreadsheet listing the Work Packages awaiting completion of PPRA reports was produced and it identifies the estimated number of DG2 properties to be removed during 2024/25 using predicted pressure from Hydraulic Modelling. The actual pressure will be confirmed by logging before formal removal of properties from the register. The table below lists the Work Packages and the predicted number of properties identified to date for removal. (This may rise or fall with further investigation or some omissions throughout the year)

**Table 8**

| Work Package Name | No of properties to be removed |
|---|---|
| Markethill Road 1, Collone | 12 |
| Oldtown Lane/Sabbath Hill | 15 |
| Markethill Road 2 | 21 |
| Granville DMA Old Eglish Road | 20 |
| Castlecaufield Drumreany Road | 25 |
| Ballyvoy- Coolnagoppoge Gravel Pit | 9 |
| Ballynoe Road | 2 |
| Killcoole Gardens Belfast | 6 |
| | |
| **TOTAL** | **110 against 158 target** |

**Removals Pending**

It should be noted that there are currently 129 properties identified for removal from the register in 2024/25 to a target of 158 in the plan following the submission of PPRA Reports. However, the 2023/24 target was for the removal of 200 DG2 properties and the actual achieved removals was 19 over this figure. And so in reality the totals are 110 planned for next year against a 139 (158-19) target to get NIW up to the planned cumulative target for end of PC21 year 4.

These removals are subject to the completion of rehabilitation work, collation of pressure data and submission of completed reports. In previous years, more detailed work throughout the year resulted in more DG2s being delivered than planned. These reviews are ongoing.

**Confidence Grade Line 4c**

The confidence grade for this line has remained at B2 this year this has been achieved by EP, Asset Performance and the Reporter working together to improve the granularity of the returns and to improve the accuracy of the methodology and figures. This was done by making use of the scheme approval analysis that presents the contribution from each of the investment drivers (structural improvements, water quality, operational issues (leakage) and hydraulic drivers (DG2).

Individual scheme outputs are provided separately to show how each calculation was carried out.

**Lines 5-19 - DG3 Properties Affected by Supply Interruptions**

The rules governing the recording and collation of data for the DG3 Register are explained in the DG3 Levels of Service Methodology. DG3 procedures were established and implemented by NI Water in April 2007.

**Note:** This commentary includes figures based on a Total Connected Properties at Year End figure of **919,190** as confirmed by C&O Services in AIR24 Table 2 Line 1.

**Significant year on year changes in reported figures including an explanation of any factors that may have influenced the figures**

**Unplanned, Unwarned Interruptions**

| AIR | DG3 Properties Affected | 2021/22 (inc. Dunore) | 2021/22 (exc. Dunore) | 2022/23 | 2023/24 |
|---|---|---|---|---|---|
| Table 2: Line 5 | More than 3 hours | 35,321 | 21,859 | 15,495 | **14,654** |
| Table 2: Line 6 | More than 6 hours | 13,581 | 1,007 | 1,322 | **1,768** |
| Table 2: Line 7 | More than 12 hours | 710 | 0 | 0 | **0** |
| Table 2: Line 8 | More than 24 hours | 12 | 0 | 0 | **0** |

The above table lists the outturn numbers of properties affected by unplanned, unwarned supply interruptions in the last three years. The AIR24 outturn of **14,654** properties affected by an unplanned interruption of **more than 3 hours** was the lowest since regulatory reporting commenced. 213 events were responsible, excluding those caused by a third party. Of the 213 events, only one involved a loss of supply to more than 500 properties.

On 31st August 2023, an incident occurred at Westland SR, Belfast as a result of maintenance work whereby a valve was accidently closed. A valve chamber was flooded which prevented the quick operation of the valve and subsequently prolonged the interruption to customers located in DMAs downstream of the reservoir *(ref. DG3 IDs 214240 & 214249)*. A tanker had to be deployed to drain the chamber and allow access to the valve. Once the valve was opened, supply was restored to all DMAs although pressure was slower to recover in DMAs situated at higher elevations. The bypass valve was also activated for a short period to assist with recharging. 4,469 properties experienced an interruption of between 3 hours and 6 hours as a result of the incident. A further 304 properties experienced an interruption of between 6 hours and 12 hours and the incident was the subject of Upward Report 008. See commentary on Major Incidents in the Report Year for further details.

The AIR24 outturn of **1,768** properties affected by an unplanned interruption of **more than 6 hours** was the second lowest since regulatory reporting commenced. 48 events were responsible, excluding those caused by a third party. Of the 48 events, only three resulted in a loss of supply to more than 200 properties. The most significant event occurred at Westland Service Reservoir, Belfast on 31st August 2023 and is described above. Also on 31st August 2023, a burst occurred at Ballymaghan, Belfast causing a loss of supply for more than 6 hours to 227 properties *(ref. DG3 ID 214247)*. And in Crumlin on 4th May 2023, a burst caused a loss of supply for more than 6 hours to 226 properties *(ref. DG3 ID 213654)*.

For the third time since 2007/08, **no** properties experienced an unplanned interruption of **more than 12 hours**. And for the sixth time in the last 8 years, **no** properties experienced an unplanned interruption of **more than 24 hours**. This year's reductions are likely to have been attributed to a combination of factors, as detailed below.

**Comparison of Unplanned Interruptions >3hrs *(T2: L5)* and Burst Rate *(T11: L11)***

The **Table 2: Line 5** outturn number of properties affected by unplanned interruptions >3hrs and **Table 11: Line 11** outturn number of bursts per 1,000 km of mains and are closely related as the majority of unplanned interruptions are caused by bursts. However, the trends for these two measures will not necessarily be the same because some properties will experience an interruption of 3 hours or less as the result of a burst main event and their numbers will not contribute to the regulatory return which is based only on interruptions lasting more than 3 hours.

The following table lists the outturn numbers of **bursts** for the last three years, including and excluding the impact of extreme or atypical events.

| **Bursts** | **2021/22** | **2022/23 inc. Freeze/ Thaw** | ***2022/23 exc. Freeze/ Thaw*** | **2023/24** |
|---|---|---|---|---|
| Bursts (nr) | 2,498 | 2,513 | *2,312** | 2,249 |
| Difference | +98 | +15 | *-186* | -63 |
| % Difference | +4.1% | +0.6% | *-7.4%* | -2.7% |
| Trend | Increase | No Change | *Decrease* | Decrease |

**Excludes an estimated 201 bursts associated with Freeze/Thaw in December* 2022

The following table lists the outturn numbers of **properties affected by unplanned interruptions >3hrs** for the last three years, including and excluding the impact of extreme or atypical events.

| **Unplanned >3hrs** | **2021/22 inc. Dunore TM burst** | ***2021/22 exc. Dunore TM burst*** | **2022/23** | **2023/24 inc. Westland SR incident** | ***2023/24 exc. Westland SR incident*** |
|---|---|---|---|---|---|
| Properties (nr) | 35,321 | *21,859** | 15,495 | 14,654 | *9,884*** |
| Difference | +10,878 | *-2,584* | -6,364 | -841 | *-5,611* |
| % Difference | +44.5% | *-10.6%* | -29.1% | -5.4% | *-36.2%* |
| Trend | Increase | *Decrease* | Decrease | Decrease | *Decrease* |

**Excludes 13,462 properties affected by Dunore pumping main burst in July 2021*
***Excludes 4,770 properties affected by Westland SR incident in August 2023*

When the affected property outturns for 2022/23 and 2023/24 are compared, including an adjustment for an incident involving a closed valve and flooded valve chamber at Westland Service Reservoir in August 2023, the figures confirm that 5,611 fewer properties were affected in the last year, a reduction of 36.2%. As the burst rate trend would suggest only a decrease of 2.7%, the uncharacteristically high reduction in outturn requires explanation.

The reduction is an indication that the average duration of unplanned interruption has reduced, with more interruptions now lasting 3 hours or less and fewer properties contributing to the regulatory return as a result. This reduction has been achieved through changes in the way that bursts are managed.

Whenever possible, NI Water will use rezoning techniques to keep its customers in supply. This means that for many customers, the impact from a burst will be minimal. However, NI Water has a large rural network and rezoning opportunities are sometimes limited. When rezoning isn't an option, the Company now uses Mobile Booster Trailers to keep customers in supply and to greatly reduce the amount of time that customers are out of supply. The trailers can be taken to the location of bursts and are used to maintain water pressures while repairs are being carried out.

Recently, the mobile booster trailer was used during the 5-day shutdown of a water pumping station to facilitate a major refit. The booster trailer enabled this critical and lengthy work to be undertaken without a necessity to interrupt any customers.

NI Water's **ITS Strategy** is focussed on improving DG3 performance and reducing the Average Minutes of Lost Supply per Connected Property. As part of the work being undertaken, the Company has engaged with other companies with a similar population size and dispersal to develop a better understanding of the technologies and techniques employed to deal with bursts and has invested in these areas.

The Company also continues to invest in the proactive rehabilitation of its water main infrastructure, reducing the likelihood of bursts occurring on older parts of the network and in areas where issues have arisen in the past. Key elements of the ITS Strategy are summarised below.

- **Capital Investment in Watermains**
- **Post-Interruption Reviews (PIRs)**
- **Working Differently**
- **SMART Network**
- **CALM Network**

NI Water now has a designated Alternative Water Supplies team responsible for maintaining supply to customers during major incidents. AWS includes the management of tankering operations and in more extreme cases, the deployment of static tanks and the distribution of bottled water. By tankering directly into service reservoirs where levels are falling, depletion issues can be avoided and customers continue to receive water from their taps. Having a designated AWS team enables water supply and distribution staff to remain focussed on their normal task of restoring supply to the network.

**Impact of Detailed Review Process on DG3 Supply Interruptions >3hrs**

Prior to April 2018, only unplanned interruptions lasting more than 6 hours were reviewed in detail because the emphasis was on ensuring the accuracy of the KPI outturns. In April 2018, a detailed review process was introduced for unplanned interruption events lasting between 3 hours and 6 hours and involving more than 500 properties.

In April 2020, the detailed review process was expanded to include unplanned interruption events with property counts between 100 and 500. In its commentary for AIR21, NI Water explained that the detailed review process had been largely responsible for the decrease in the 2020/21 >3hrs outturn and that, based on an analysis of 74 events that were known to have been reviewed, the review process was likely to have led to a 51% reduction, on average, in the property counts associated with an event and that this was consistent with a 50% reduction in the Line 5 outturn.

From April 2021, the Company has reviewed **every event** in detail that lasted more than 3 hours because the focus is now on improving the accuracy of the Average Minutes of Lost Supply per Connected Property outturn which is based on properties that experience a planned or unplanned interruption of 3 hours or more. The detailed review process has eliminated the historical issue of over-reporting and consequently, outturns have reduced.

**Planned and Warned Interruptions: Number of Events (All inc. WMRP)**

| DG3 Interruption Events | 2021/22 | 2022/23 | 2023/24 |
|---|---|---|---|
| More than 3 hours | 87 | 54 | **63** |
| More than 6 hours | 9 | 3 | **3** |
| More than 12 hours | 0 | 0 | **0** |
| More than 24 hours | 0 | 0 | **0** |

The table above relates to annual numbers of planned and warned interruption events. Planned and warned interruption events are predominately associated with non-essential work i.e. work that does not need to be undertaken with any immediate degree of urgency. An example of non-essential work is mains rehabilitation.

In 2023/24, 63 planned and warned interruptions lasted more than 3 hours of which 22nr *(35%)* were related to the Water Mains Rehabilitation Programme *(WMRP)*. During the same period, 3 planned and warned interruptions lasted more than 6 hours of which 1nr *(33%)* was associated with mains rehabilitation.

**Planned and Warned Interruptions: Properties Affected (All inc. WMRP)**

| AIR | DG3 Properties Affected | 2021/22 | 2022/23 | 2023/24 |
|---|---|---|---|---|
| Table 2: Line 9 | More than 3 hours | 5,103 | 2,504 | **2,692** |
| Table 2: Line 10 | More than 6 hours | 1,724 | 210 | **92** |
| Table 2: Line 11 | More than 12 hours | 0 | 0 | **0** |
| Table 2: Line 12 | More than 24 hours | 0 | 0 | **0** |

The table above relates to annual numbers of properties affected by planned and warned interruption events.

In 2023/24, **2,692** properties were affected by planned and warned interruptions that lasted **more than 3 hours** of which 1,245 *(46%)* were related to the Water Mains Rehabilitation Programme. The Line 9 outturn was the second lowest since regulatory reporting commenced. During the same period, **92** properties were affected by planned and warned interruptions that lasted **more than 6 hours** of which 75 *(82%)* were associated with mains rehabilitation. The Line 10 outturn was the lowest since regulatory reporting commenced.

**Planned and Warned Interruptions: Properties and Events (WMRP only)**

| Time Band | | 2021/22 | 2022/23 | 2023/24 |
|---|---|---|---|---|
| More than 3 hours | Properties | 1,108 | 713 | **1,245** |
| | Events | 17 | 11 | **22** |
| | Properties per Event | 65 | 65 | **57** |
| More than 6 hours | Properties | 312 | 0 | **75** |
| | Events | 3 | 0 | **1** |
| | Properties per Event | 104 | 0 | **75** |

The table above relates to planned and warned interruptions associated only with the Water Mains Rehabilitation Programme.

The Company's commitment to minimise disruption to its customers' water supply has resulted in the number of properties per event related to the WMRP of more than 3 hours, being reduced, with only one event of more than 6 hours compared to previous years.

The overall water main distribution meterage installed under the WMRP has increased from the previous years, e.g. meterage installed in 2023/24 was 126.5km, compared to 122.6km in 2022/23, 102km in 2021/22 and 101km in 2020/21. This has been achieved due to the necessity to use innovative techniques and stricter controls upon WMRP contractors to minimise disruptions to less than 3 hours.

In addition, this is the ninth year in succession, that **no** properties experienced a planned and warned interruption of **more than 12 hours** and **no** properties have experienced a planned and warned interruption of **more than 24 hours** since regulatory reporting commenced in 2007/08.

NI Water now uses a **Mobile Booster Trailer** at planned interruption events to keep customers in supply, or to greatly reduce the amount of time that customers are out of supply.

**Interruptions caused by Third Parties**

| AIR | DG3 Properties Affected | 2021/22 | 2022/23 | 2023/24 |
|---|---|---|---|---|
| Table 2: Line 13 | More than 3 hours | 1,664 | 816 | **946** |
| Table 2: Line 14 | More than 6 hours | 240 | 343 | **27** |
| Table 2: Line 15 | More than 12 hours | 31 | 112 | **0** |
| Table 2: Line 16 | More than 24 hours | 5 | 112 | **0** |

The AIR24 outturn of **946** properties affected by an unplanned interruption of **more than 3 hours** caused by a third party was the second lowest since regulatory reporting commenced. 9 events were responsible, the most significant of which occurred on 19th September 2023 when a gas contractor damaged a 12-inch trunk main at Ballyhannon Service Reservoir in Portadown *(ref. DG3 ID 214323)*. 350 properties experienced an interruption of between 3 hours and 6 hours as a result of the incident and it was the subject of Upward Report 010.

The AIR24 outturn of **27** properties affected by an unplanned interruption of **more than 6 hours** caused by a third party was the lowest since regulatory reporting commenced. The single event responsible, occurred on 18th April 2023 in Draperstown and was caused by a contractor who hit a main whilst installing new telegraph poles *(ref. DG3 ID 213581)*. The incident was the subject of Upward Report 002.

For the sixth time since 2007/08, **no** properties experienced an unplanned interruption of **more than 24 hours** caused by a third party. And for the twelfth time since 2007/08, **no** properties experienced an unplanned interruption of **more than 24 hours** caused by a third party.

**Unplanned Interruptions (Overruns of Planned Interruptions)**

| AIR | DG3 Properties Affected | 2021/22 | 2022/23 | 2023/24 |
|---|---|---|---|---|
| Table 2: Line 17 | More than 6 hours | 89 | 12 | **0** |
| Table 2: Line 18 | More than 12 hours | 0 | 0 | **0** |
| Table 2: Line 19 | More than 24 hours | 0 | 0 | **0** |

For only the second time since regulatory reporting commenced in 2007/08, **no** properties experienced an overrun of **more than 6 hours**. This reflects the amount of planning that goes on in advance of warned events to ensure that enough time is allocated to their completion and that they do not overrun thus causing an inconvenience to customers.

For the sixth year in succession, **no** properties experienced an overrun of a planned and warned interruption that lasted **more than 12 hours**. And for the eighth year in succession, **no** properties experienced an overrun of a planned and warned interruption that lasted **more than 24 hours**.

**Number of overruns of planned & warned interruptions lasting between 3 and 6 hours**

The following table provides a summary of the **6** overruns of planned and warned interruptions lasting between 3 and 6 hours in 2023/24.

| | Interrupt. No. | Month | Duration | Properties Affected | | | Duration Of Overrun |
|---|---|---|---|---|---|---|---|
| | | | | > 0 hrs | > 3 hrs | > 6 hrs | |
| 1 | 215335 | Mar-24 | 3 Hrs 5 Mins | 24 | 24 | 0 | 0 Hrs 5 Mins |
| 2 | 215358 | Mar-24 | 3 Hrs 5 Mins | 27 | 27 | 0 | 0 Hrs 15 Mins |
| 3 | 215038 | Jan-24 | 3 Hrs 5 Mins | 165 | 35 | 0 | 0 Hrs 30 Mins |
| 4 | 214766 | Dec-23 | 4 Hrs 0 Mins | 15 | 15 | 0 | 1 Hr 0 Mins |
| 5 | 213921 | Jun-23 | 4 Hrs 30 Mins | 46 | 46 | 0 | 0 Hrs 40 Mins |
| 6 | 215200 | Feb-24 | 5 Hrs 45 Mins | 60 | 60 | 0 | 3 Hrs 0 Mins |

The number of properties affected by the 6 overruns was:

24 + 27 + 35 + 15 + 46 + 60 = **207**

This number is small compared to the number of properties that experienced a planned and warned interruption of between 3 and 6 hours *(2,692)*.

Table 2 Line 9 - Table 2 Line 10 = 2,692 - 92 = **2,600**

NI Water reported in its AIR23 commentary that there were 7 overruns of planned and warned interruptions lasting between 3 and 6 hours. The number of properties affected by these overruns was 303.

## Additional information on performance against alternative standards

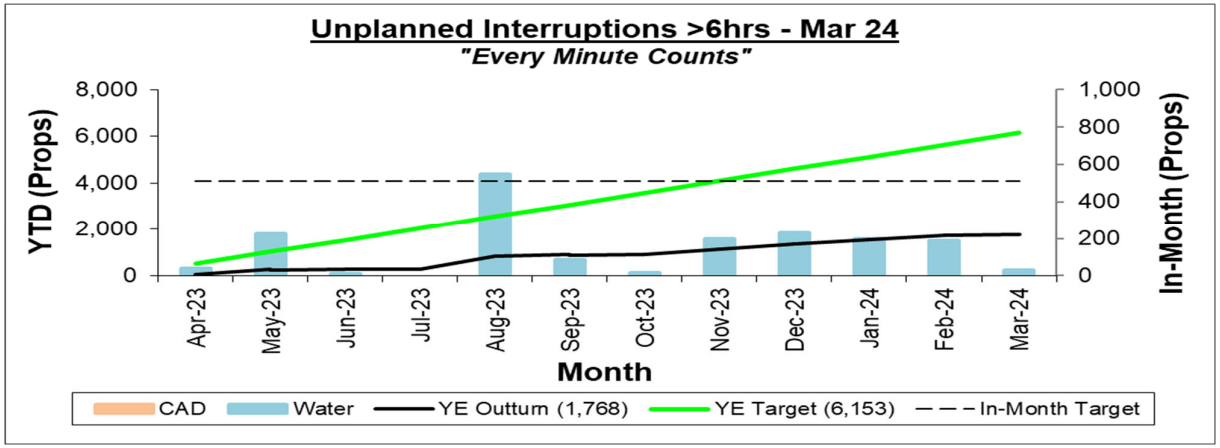
NI Water has three Key Performance Indicators relating to Supply Interruptions (DG3):-
Number of properties experiencing unplanned, unwarned interruptions (expressed as a percentage of households) in excess of:
1a) 6 hours, 1b) 12 hours, 1c) 24 hours. KPIs 1a and 1c were first introduced in April 2007. The following table provides details of the outturns for the last three years together with the corresponding yearend targets.

| Interrupt Category | 21/22 Outturn (inc. Dunore) | | 21/22 Outturn (exc. Dunore) | | 21/22 KPI Target | | 22/23 Outturn | | 22/23 KPI Target | | **23/24 Outturn** | | **23/24 KPI Target** | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Props) | (%) | (Props) | (%) | (Props) | (Props) | (%) | (Props) | (%) | (Props) | **(Props)** | **(%)** | **(Props)** | **(%)** |
| >6 hrs | 13,581 | 1.504 | 1,007 | 0.112 | 6,331 | 0.701 | 1,322 | 0.145 | 6,250 | 0.687 | **1,768** | **0.192** | **6,153** | **0.669** |
| >12 hrs | 710 | 0.079 | 0 | 0.000 | 822 | 0.091 | 0 | 0.000 | 793 | 0.087 | **0** | **0.000** | **773** | **0.084** |
| >24 hrs | 12 | 0.001 | 0 | 0.000 | 80 | 0.009 | 0 | 0.000 | 80 | 0.009 | **0** | **0.000** | **80** | **0.009** |

*Note: Percentage outturns in above table are based on total connected properties as follows: 902,692 (AIR22); 910,098 (AIR23); 919,190 (AIR24)*

In 2023/24, NI Water achieved all three DG3 full year KPI targets. It was the Company's second best-ever DG3 performance.

The graph below shows the outturn and target profiles for numbers of properties affected by unplanned interruptions >6hrs in 2023/24.




NI Water also uses the **Average Minutes of Lost Supply per Connected Property** target to measure performance and to encourage reductions in the duration of both unplanned and planned interruptions.
In 2023/24, the Company's outturn of **5.99** minutes was the best-ever outturn for this measure.

| 2021/22 | 2022/23 | **2023/24** |
|---|---|---|
| 18.00 | 6.92 | **5.99** |

**Properties which suffered an interruption to supply where NI Water considers that customers would not have noticed the loss of service, for example because it occurred at night**

**Assumption:** Prior to AIR20, NI Water listed only those interruptions that lasted longer than 3 hours and fell in their entirety between the hours of 12 midnight and 7am. For AIR21 and AIR22, NI Water listed only those interruptions that lasted longer than 3 hours and fell in their entirety between the hours of 11pm and 8am.

For AIR23 and AIR24, the Company has listed interruptions that fell either in their entirety or partly within the hours of 11pm and 8am. Those that fell only partly had the greater part of the interruption within the hours of 11pm and 8am and the lesser part lasting 3 hours or less.

| Interrupt Type | Interrupt No. | Interruption Start | | Supply Restored | | Duration | Properties Affected | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Date | Time | Date | Time | | >0 hrs | >3 hrs | >6 hrs |
| Unplanned | 213615 | 25/04/23 | 22:26 | 26/04/23 | 01:30 | 3 Hrs 4 Mins | 1 | 1 | 0 |
| Unplanned | | 25/04/23 | 22:26 | 26/04/23 | 02:30 | 4 Hrs 4 Mins | 16 | 16 | 0 |
| Unplanned | 213629 | 27/04/23 | 22:23 | 28/04/23 | 02:30 | 4 Hrs 7 Mins | 18 | 18 | 0 |
| Unplanned | 213654 | 04/05/23 | 05:49 | 04/05/23 | 08:52 | 3 Hrs 3 Mins | 8 | 8 | 0 |
| Unplanned | 213717 | 12/05/23 | 03:56 | 12/05/23 | 08:40 | 4 Hrs 44 Mins | 174 | 174 | 0 |
| Unplanned | 213742 | 25/05/23 | 04:34 | 25/05/23 | 10:30 | 5 Hrs 56 Mins | 29 | 29 | 0 |
| Unplanned | 213823 | 08/06/23 | 05:42 | 08/06/23 | 10:15 | 4 Hrs 33 Mins | 2 | 2 | 0 |
| Unplanned | 214124 | 08/08/23 | 22:31 | 09/08/23 | 03:30 | 4 Hrs 59 Mins | 58 | 58 | 0 |
| | | 08/08/23 | 23:57 | 09/08/23 | 03:30 | 3 Hrs 33 Mins | 41 | 41 | 0 |
| Unplanned | 214141 | 12/08/23 | 06:04 | 12/08/23 | 09:26 | 3 Hrs 22 Mins | 65 | 65 | 0 |
| Unplanned | 214539 | 02/11/23 | 03:51 | 02/11/23 | 09:42 | 5 Hrs 51 Mins | 8 | 8 | 0 |
| | | 02/11/23 | 04:53 | 02/11/23 | 09:30 | 4 Hrs 37 Mins | 15 | 15 | 0 |
| | | 02/11/23 | 06:17 | 02/11/23 | 09:30 | 3 Hrs 13 Mins | 2 | 2 | 0 |
| Unplanned | 214729 | 06/12/23 | 05:10 | 06/12/23 | 10:00 | 4 Hrs 50 Mins | 9 | 9 | 0 |
| | | 06/12/23 | 05:46 | 06/12/23 | 09:30 | 3 Hrs 44 Mins | 6 | 6 | 0 |
| | | 06/12/23 | 06:15 | 06/12/23 | 09:40 | 3 Hrs 25 Mins | 18 | 18 | 0 |
| Unplanned | 214832 | 29/12/23 | 04:05 | 29/12/23 | 09:00 | 4 Hrs 55 Mins | 19 | 19 | 0 |
| Unplanned | 214854 | 04/01/24 | 23:20 | 05/01/24 | 04:10 | 4 Hrs 50 Mins | 4 | 4 | 0 |
| Unplanned | 215048 | 25/01/24 | 23:00 | 26/01/24 | 04:00 | 5 Hrs 0 Mins | 6 | 6 | 0 |
| Unplanned | 215151 | 08/02/24 | 05:57 | 08/02/24 | 10:00 | 4 Hrs 3 Mins | 33 | 33 | 0 |
| Unplanned | 215290 | 01/03/24 | 05:09 | 01/03/24 | 10:26 | 5 Hrs 17 Mins | 16 | 16 | 0 |
| Unplanned | 215416 | 23/03/24 | 03:40 | 23/03/24 | 09:12 | 5 Hrs 32 Mins | 10 | 10 | 0 |

Both Developer Services, Metering and Billing (DMB) and the Leakage function are responsible for interruptions to supply that are of a relatively short duration. Interruptions lasting less than 1 hour are not, as a rule, recorded by NI Water. Routine step tests are carried out at night to reduce the impact of loss of supply to customers and normally last no longer than 3 hours.

16 unplanned interruption events have been identified where customers would not have noticed a loss of service because it occurred at night, either in its entirety or in its greater part. As a result of these events, 558 properties experienced an interruption of more than 3

hours, representing 3.58% of properties in that time band, including those caused by a third party.

Unplanned >3hrs: (558 / (14,654 + 946)) x 100 = 3.58%

No properties experienced an interruption of more than 6 hours as a result of the events.

In 2022/23, 14 unplanned interruption events occurred in their entirety, or in their greater part, between the hours of 11pm and 8am. 590 properties were affected for more than 3 hours (3.51%) and 48 properties were affected for more than 6 hours (4.14%).

**Number of properties affected by interruptions caused by loss of electrical supply**

The following table provides a summary of the **7** interruption events in 2023/24 caused by electricity supply failures and lasting more than 3 hours. In each case, the interruption was unplanned. 3 events occurred on 22nd January and were the result of Storm Isha which brought widespread strong winds, particularly across the northern half of the UK. The sole event in 2023 occurred on the warmest September day on record.

No properties experienced an interruption of more than 12 hours as a result of any of the incidents.

| Interrupt. No. | Date of Incident | Duration | Properties Affected | | | | | Interrupt. Type | Comments |
|---|---|---|---|---|---|---|---|---|---|
| | | | > 0 Hrs | > 3 Hrs | > 6 Hrs | > 12 Hrs | > 24 Hrs | | |
| 214280 | 08/09/23 | 0 Hrs 15 Mins | 2 | 0 | 0 | 0 | 0 | Unplanned | Electricity Supply Failure |
| | | 2 Hrs 56 Mins | 42 | 0 | 0 | 0 | 0 | | |
| | | 3 Hrs 55 Mins | 2 | 2 | 0 | 0 | 0 | | |
| 215008 | 22/01/24 | 8 Hrs 23 Mins | 16 | 16 | 16 | 0 | 0 | Unplanned | Electricity Supply Failure |
| | | 8 Hrs 53 Mins | 12 | 12 | 12 | 0 | 0 | | |
| 215010 | 22/01/24 | 3 Hrs 50 Mins | 23 | 23 | 0 | 0 | 0 | Unplanned | Electricity Supply Failure |
| 215011 | 22/01/24 | 10 Hrs 27 Mins | 10 | 10 | 10 | 0 | 0 | Unplanned | Electricity Supply Failure |
| 215291 | 01/03/24 | 5 Hrs 34 Mins | 33 | 33 | 0 | 0 | 0 | Unplanned | Electricity Supply Failure |
| 215294 | 01/03/24 | 2 Hrs 23 Mins | 6 | 0 | 0 | 0 | 0 | Unplanned | Electricity Supply Failure |
| | | 2 Hrs 48 Mins | 16 | 0 | 0 | 0 | 0 | | |
| | | 3 Hrs 49 Mins | 19 | 19 | 0 | 0 | 0 | | |
| | | 4 Hrs 18 Mins | 18 | 18 | 0 | 0 | 0 | | |
| 215433 | 26/03/24 | 6 Hrs 0 Mins | 83 | 83 | 0 | 0 | 0 | Unplanned | Electricity Supply Failure |

The most significant event in terms of number of affected properties occurred on 26th March 2024 when 83 properties lost their supply for 6 hours.

The most significant event in terms of duration of interruption occurred on 22nd March 2024 when 10 properties lost their supply for 10 hours 27 minutes.

**Percentage impact of interruptions caused by loss of electrical supply on annual outturns**

| | >3 Hrs | >6 Hrs | >12 Hrs | >24 Hrs |
|---|---|---|---|---|
| Number of Properties Affected by Unplanned, Unwarned Water Supply Interruptions caused by Electricity Supply Failures | 216 | 38 | 0 | 0 |
| Number of Properties Affected by Unplanned, Unwarned Interruptions | 14,611 | 1,768 | 0 | 0 |
| Percentage Impact | 1.48% | 2.15% | 0.00% | 0.00% |

In 2023/24, the >3hrs and >6hrs outturns were impacted by electricity supply failures, accounting for 1.48% and 2.15% of the total numbers of properties affected by unplanned interruptions. In 2022/23, the >3hrs and >6hrs outturns were also impacted, and the percentages were 1.85% and 2.34% respectively.

**Percentage impact of interruptions caused by loss of electrical supply on target compliance**

| | >6 Hrs | >12 Hrs | >24 Hrs |
|---|---|---|---|
| Percentage Connected Properties Affected by Electricity Supply Failures | 0.004% | 0.000% | 0.000% |
| KPI Target | 0.669% | 0.084% | 0.009% |
| Percentage Annual Target | 0.62% | 0.00% | 0.00% |

In 2023/24, electricity supply failures accounted for only 0.62% of the >6hrs KPI target whilst in comparison, the 2022/23 percentage was 0.50%.

**Major incidents during the report year that NI Water believes adversely affected its DG3 performance**

The following table provides a summary of the **17** supply interruption incidents during 2023/24 that lasted more than 3 hours and were mentioned in the Company's Upward Reports. *For full details of these incidents, please refer to the Upward Reports.*

| Ref | Interrupt No. | Date | Description of Incident | Duration (longest) | >0hrs | >3hrs | >6hrs | >12hrs | >24hrs | Category |
|---|---|---|---|---|---|---|---|---|---|---|
| 001 | Event 272799; DG3 213529 | 04/04/2023 | Burst main, Doagh Road, Kells – Craigstown DMA | 6 Hrs 55 Mins | 146 | 7 | 7 | 0 | 0 | 3 |
| 002 | Event 272886; DG3 213581 | 18/04/2023 | Burst main caused by BT contractor installing new poles – Ballybriest DMA, Draperstown | 7 Hrs 11 Mins | 248 | 98 | 27 | 0 | 0 | 3 |
| 003 | Event 273081; DG3 213717 | 12/05/2023 | Burst on 12" Cast Iron Durham Street Trunk Main, Grosvenor Road, Belfast | 4 Hrs 44 Mins | 1,484 | 179 | 0 | 0 | 0 | 3 |
| | Event 273341; DG3 213821 | | | 2 Hrs 35 Mins | 1,080 | 0 | 0 | 0 | 0 | |
| | Event 273343; DG3 213822 | | | 2 Hrs 0 Mins | 1,944 | 0 | 0 | 0 | 0 | |
| 004 | Event 273352; DG3 213832 | 09/06/2023 | Burst on outlet from Glenchuil Service Reservoir | 7 Hrs 8 Mins | 962 | 24 | 7 | 0 | 0 | 3 |
| 005 | Event 273365; DG3 213839 | 11/06/2023 | Pump Equipment Failure caused Annacloghmullin Service Reservoir to fall to low level | 7 Hrs 22 Mins | 282 | 103 | 1 | 0 | 0 | Precautionary |
| 006 | Event 273426; DG3 213863 | 17/06/2023 | Burst on 15" trunk main, Beersbridge Road, Belfast | 4 Hrs 26 Mins | 446 | 63 | 0 | 0 | 0 | 3 |

| Ref | Interrupt No. | Date | Description of Incident | Duration (longest) | >0hrs | >3hrs | >6hrs | >12hrs | >24hrs | Category |
|---|---|---|---|---|---|---|---|---|---|---|
| 007 | Event 273491; DG3 213900 | 25/06/2023 | Burst on 14” SI Ballydougan Waringstown Distribution Trunk Main | 4 Hrs 9 Mins | 379 | 46 | 0 | 0 | 0 | 3 |
| **008** | **Event 274058; DG3 214240** | **31/08/2023** | **Low Water Level, Westland Service Reservoir, Belfast** | **9 Hrs 18 Mins** | **18,255** | **4,770** | **303** | **0** | **0** | **3** |
| | **Event 274073; DG3 214249** | **01/09/2023** | | **6 Hrs 5 Mins** | **179** | **3** | **1** | **0** | **0** | |
| 009 | Event 274138; DG3 214279 | 08/09/2023 | Trunk main burst, Ballywillian Road, Beltoy, Larne<br><br>(difficulty locating defect due to large boulders within excavation) | 11 Hrs 54 Mins | 45 | 30 | 30 | 0 | 0 | 3 |
| 010 | Event 274210; DG3 214323 | 19/09/2023 | Gas contractor damaged 12” trunk main at Ballyhannon Service Reservoir | 4 Hrs 26 Mins | 4,122 | 350 | 0 | 0 | 0 | 3 |
| 011 | Event 274352; DG3 214407 | 09/10/2023 | Burst distribution trunk main 12” SI - Ballydougan Corcullentragh | 5 Hrs 59 Mins | 855 | 56 | 0 | 0 | 0 | 3 |
| 012 | Event 274569; DG3 214539 | 02/11/2023 | Burst main, Cloughey DMA | 11 Hrs 42 Mins | 486 | 107 | 82 | 0 | 0 | 3 |
| 013 | Event 274906; DG3 214723 | 05/12/2023 | Burst main, Carneal Road, Larne | 4 Hrs 52 Mins | 531 | 69 | 0 | 0 | 0 | 3 |
| 014 | Event 274915; DG3 214729 | 06/12/2023 | Burst trunk main on outlet of Drumaroad Chapelhill Service Reservoir | 4 Hrs 50 Mins | 598 | 108 | 0 | 0 | 0 | 3 |

| Ref | Interrupt No. | Date | Description of Incident | Duration (longest) | >0hrs | >3hrs | >6hrs | >12hrs | >24hrs | Category |
|---|---|---|---|---|---|---|---|---|---|---|
| **015** | **Event 274975; DG3 214755** | **09/12/2023** | **Burst main, Mullaghmore Road, Dungannon** | **11 Hrs 42 Mins** | **651** | **280** | **149** | **0** | **0** | **3** |
| 016 | Event 275573; DG3 215135 | 07/02/2024 | Burst on outlet trunk main at Ballyridley Service Reservoir | 5 Hrs 56 Mins | 471 | 135 | 0 | 0 | 0 | 3 |
| | Event 275590; DG3 215138 | | | 2 Hrs 17 Mins | 74 | 0 | 0 | 0 | 0 | |
| | Event 275596; DG3 215151 | 08/02/2024 | Burst | 11 Hrs 44 Mins | 38 | 38 | 5 | 0 | 0 | |
| 017 | Event 275896; DG3 215359 | 12/03/2024 | Burst trunk main, Tullywhisker Service Reservoir to Rakelly Service Reservoir | 4 Hrs 15 Mins | 61 | 61 | 0 | 0 | 0 | 3 |
| | Event 275906; DG3 215364 | | | 2 Hrs 30 Mins | 77 | 0 | 0 | 0 | 0 | |

In the years prior to 2017/18, NI Water assumed a monthly target allowance of one seventeenth of the full year target from April to October and a monthly target allowance of two seventeenths of the full year target from November to March. The allowance was doubled from November to March to account for freeze-thaw conditions and an associated rise in the numbers of bursts.

Following a review of historical annual performance profiles, the decision was taken in 2017/18 to opt for a straight-line target profile i.e. the same monthly target allowance every month. The target profile remained straight for 2023/24.

The 2023/24 KPI targets are listed below as percentages and numbers of total connected properties, together with the corresponding monthly target allowances.

| KPI | 2023/24 Target | | Monthly Target Allowance Apr to Mar | |
|---|---|---|---|---|
| | % | Properties | % | Properties |
| **>6hrs** | 0.669 | 6,153 | 0.056 | 513 |
| **>12hrs** | 0.084 | 773 | 0.007 | 64 |
| **>24hrs** | 0.009 | 80 | 0.001 | 7 |

In previous years, the unplanned interruption events that had the greatest negative impact on performance were determined by comparing the monthly actuals with the three KPI target profiles and identifying instances where a target was missed. In 2023/24, there were no such instances. This year, there was only one such instance which the Company has discussed along with the other five most significant events.

**Major Incidents**

**Burst asbestos cement distribution main, Cairn Walk, Crumlin (Tullyhill Crumlin DMA)**
*(Ref: IMS Event ID 273026; DG3 ID 213654)*

| | >0hrs | >3hrs | >6hrs | >12hrs | >24hrs |
|---|---|---|---|---|---|
| Properties Affected | **454** | **409** | **226** | **0** | **0** |

On Friday 4th August 2023, a burst occurred on an asbestos cement main at Cairn Walk, Crumlin affecting properties in Tullyhill Crumlin DMA. Initially, the main was repaired but began leaking again after the remedial work had been completed. Supply was maintained but at a reduced pressure and flow to allow the repair squad to collect more fittings and a length of pipe before carrying out a second more complex repair. The main had to be drained down again for the second repair and this added to the duration of interruption. Rezoning options were limited.

This event was note-worthy because of the maximum duration of interruption *(9 Hrs 43 Mins)* and the number of properties affected for more than 6 hours *(226 nr)*. The impact of the incident in terms of percentages of connected properties affected was 0.025% >6hrs.

**Low Water Level at Westland Service Reservoir, Belfast**
*(Ref: IMS Event ID 274058; DG3 ID 214240 & IMS Event ID 274073; DG3 ID 214249)*

| | >0hrs | >3hrs | >6hrs | >12hrs | >24hrs |
|---|---|---|---|---|---|
| Properties Affected | **18,434** | **4,773** | **304** | **0** | **0** |

On Thursday 31st August 2023, an incident occurred at Westland SR, Belfast as a result of maintenance work whereby a valve was accidently closed. A valve chamber was flooded which prevented the quick operation of the valve and subsequently prolonged the interruption to customers located in DMAs downstream of the reservoir. A tanker had to be deployed to drain the chamber to allow access to the valve. All possible rezoning options were considered to minimise disruption to customers. A total of 31 individual DMAs were affected and it was the most significant incident of the year in terms of the overall number of properties involved. Where available, telemetry pressure data was used for the review, else customer call data. This is well documented on the Incident Management System with a DMA-by-DMA summary. The incident was the subject of **Upward Report 008.**

This event was note-worthy because of the maximum duration of interruption *(9 Hrs 18 Mins)* and the number of properties affected for more than 6 hours *(304 nr)*. The impact of this incident in terms of percentages of connected properties affected was 0.033% >6hrs.

**Burst on cast iron distribution main, Holywood Road, Belfast**
**(Edgecombe Gardens DMA)**
*(Ref: IMS Event ID 274062; DG3 ID 214247)*

| | >0hrs | >3hrs | >6hrs | >12hrs | >24hrs |
|---|---|---|---|---|---|
| Properties Affected | **772** | **418** | **227** | **0** | **0** |

Also on Thursday 31st August 2023, a burst occurred on a cast iron distribution main at Holywood Road, Belfast affecting properties in the Ballymaghan area.

This event was note-worthy because of the maximum duration of interruption *(7 Hrs 3 Mins)* and the number of properties affected for more than 6 hours *(227 nr)*. The impact of this incident in terms of percentages of connected properties affected was 0.025% >6hrs.

**Burst on pvc pumping main, Knockmany Road, Clogher**
**(Ballagh Fogart DMA)**
*(Ref: IMS Event ID 274698; DG3 ID 214607)*

| | >0hrs | >3hrs | >6hrs | >12hrs | >24hrs |
|---|---|---|---|---|---|
| Properties Affected | **207** | **137** | **113** | **0** | **0** |

On Sunday 12th November 2023, a burst occurred on a pvc pumping main at Knockmany Road, Clogher.

This event was note-worthy because of the maximum duration of interruption *(8 Hrs 42 Mins)* and the number of properties affected for more than 6 hours *(113 nr)*. The impact of this incident in terms of percentages of connected properties affected was 0.012% >6hrs.

**Burst on 8-inch pvc distribution main, Mullaghmore Road, Dungannon (Altmore Ten DMA)**
*(Ref: IMS Event ID 274975; DG3 ID 214755)*

| | >0hrs | >3hrs | >6hrs | >12hrs | >24hrs |
|---|---|---|---|---|---|
| Properties Affected | **651** | **280** | **149** | **0** | **0** |

On Saturday 9th December 2023, a burst occurred on an 8-inch pvc distribution main at Mullaghmore Road, Dungannon. Rezoning from Killymeal WPS was undertaken at 09:45. All rezoning options were implemented, and the vast majority of customers were returned to supply. The repair proved to be extremely difficult due to its location on the carriageway and the density of asphalt on the road. The incident was the subject of **Upward Report 015.**

This event was note-worthy because of the maximum duration of interruption *(11 Hrs 42 Mins)* and the large number of properties affected for more than 6 hours *(149 nr)*. The impact of this incident in terms of percentages of connected properties affected was 0.016% >6hrs.

**Burst on spun iron distribution main, Ballyblack Road, Newtownards (Ballyblack DMA)**
*(Ref: IMS Event ID 275586; DG3 ID 215136)*

| | >0hrs | >3hrs | >6hrs | >12hrs | >24hrs |
|---|---|---|---|---|---|
| Properties Affected | **121** | **121** | **121** | **0** | **0** |

On Wednesday 7th February 2024, a burst occurred on a spun iron main at Ballyblack Road, Newtownards, following mains rehabilitation work in the area.

This event was note-worthy because of the maximum duration of interruption *(7 Hrs 39 Mins)* and the number of properties affected for more than 6 hours *(121 nr)*. The impact of this incident in terms of percentages of connected properties affected was 0.013% >6hrs.

**Note:** As always, NI Water has fully assessed the issues that led to each of the above events as well as the ways in which the events were managed from an operational perspective and has developed a series of actions aimed at mitigating the impact of similar events.

**Justification of the assigned confidence grades including an explanation for any changes in confidence grades from previous years**
The AIR09 Reporter recommended the use of consistent confidence grades across all lines relating to DG3. On 4th July 2014, NI Water first introduced the Incident Management System *(IMS)* as a replacement for the Operations Management Information System *(OMIS)* to capture data relating to supply interruptions. In 2015/16, the Company increased its DG3 confidence grade from ‘B3’ to ‘A3’ because it was the first full year in which IMS had been used instead of OMIS.

IMS has now been used to capture nine complete years’ worth of data and again, the Company has assigned a confidence grade of ‘A3’ across all lines relating to DG3. The Company continues to develop the system on an annual basis by seeking suggestions from its key users and making the necessary modifications to improve the usability and functionality of the system as well as ensuring that growing requirements are met across all areas of the business.

**Justification of Reliability Band 'A'**

IMS is regarded as a better system than OMIS and has the following benefits:

- Improved customer response times
- Improved consistency of methodology across all work streams
- Improved accuracy of information through:
    - the recording of start times by Work Controllers/Telemetry Operators
    - the recording of individual start and restoration times for each property as opposed to each event
    - the recording of times to the nearest minute
- Improved utilisation of other key systems e.g. the GIS as a source of address information
- Improved auditability of information through query, change and approval status tracking
- Better management of approval chains through the automatic generation of e-mailed reminders
- Improved report generation
- Improved accessibility and sharing of information across the business
- Enhanced effectiveness of the DG3 Register through the capture of additional information such as pipe material and diameter and the GIS co-ordinates of bursts

IMS is working exactly as it should by ensuring the capture of a greater number of interruption events and a greater number of affected properties associated with those events. All interruption events are fully documented to a consistent standard. Every interruption record includes the category, cause, key dates and times, address details, and property counts necessary to meet the regulatory reporting requirements of a DG3 Register. The cause of interruptions is identified by experienced field staff or contractors.

**Justification of Accuracy Band '3' – Rapid Data and IMS Data Comparison**

**'No Water' Complaints**

The following table lists the outturn numbers of 'no water' complaints derived from Rapid data for the last three years.

| **'No Water' Complaints** | **2021/22 inc. Dunore TM burst** | ***2021/22 exc. Dunore TM burst*** | **2022/23 inc. Freeze/ Thaw** | ***2022/23 exc. Freeze/ Thaw*** | **2023/24 inc. Westland SR incident** | ***2023/24 inc. Westland SR incident*** |
|---|---|---|---|---|---|---|
| Complaints (nr) | 20,059 | *18,919** | 20,103 | *18,784*** | 18,956 | *17,996**** |
| Difference | +493 | *-647* | +1,184 | *-135* | +172 | *-788* |
| % Difference | +2.5% | *-3.3%* | +6.3% | *-0.7%* | +0.9% | *-4.2%* |
| Trend | Increase | *Decrease* | Increase | *No Change* | No Change | *Decrease* |

**Excludes 1,140 complaints associated with Dunore pumping main burst in July 2021*
***Excludes an estimated 1,319 complaints associated with Freeze/Thaw in December* 2022
****Excludes 960 complaints associated with Westland SR incident in August 2023*

From 1st to 30th August 2023, 1,510 'no water' complaints were received but on 31st August, the day of the Westland Service Reservoir incident, 1,034 complaints were received, 960 from the Belfast area.

When the 'no water' complaint outturns for the last three years are compared, including adjustments for the Dunore pumping main burst in July 2021, the Freeze/Thaw in December 2022 and the Westland SR incident in August 2023, the figures are very similar.

**Unplanned Interruption Events >0 Hours (excluding those caused by a third party)**

The following table lists the outturn numbers of unplanned interruption events derived from IMS data for the last three years.

| Unplanned Events >0hrs | 2021/22 | 2022/23 | 2023/24 |
|---|---|---|---|
| Events (nr) | 1,626 | 1,544 | 1,484 |
| Difference | -95 | -82 | -60 |
| % Difference | -5.5% | -5.0% | -3.9% |
| Trend | Decrease | Decrease | Decrease |

The annual numbers of 'no water' complaints and unplanned interruption events recorded on the Company's Incident Management System (IMS) should display similar trends since the two measures are closely related. The table above confirms a 3.9% decrease in unplanned interruptions compared to a 4.2% decrease in complaints. As the percentage decrease is similar for both events and complaints, NI Water believes that it is continuing to capture all interruption events and that the reducing trend is as expected.

Last year, NI Water noted a 5% decrease in the outturn number of unplanned interruption events >0hrs compared to only a 0.7% decrease in complaints. The difference in trends was attributed to a change in work practices and the way in which bursts and other, less common causes of interruption are now managed. New initiatives introduced under NI Water's **ITS Strategy** are helping to reduce the overall number of interruptions and when an interruption is still inevitable, for example, when bursts occur in single supply zones with rezoning limitations, these initiatives are helping to reduce the average duration of interruption and average number of affected properties per event. As a result of these changes, DG3 performance is improving and customers are benefitting by experiencing less inconvenience and disruption to their supply.

The average number of 'no water' complaints received per unplanned interruption event continues to be a good indication of the completeness of the Company's data and whether or not, the details of all such events are being captured by the Company's systems.

| | 2021/22 | 2022/23 | 2023/24 |
|---|---|---|---|
| Complaints per Event | 11.6 | 12.2 | 12.1 |

Over 1,000 'no water' complaints were associated with the Dunore Trunk Main burst event in July 2021. Over 1,000 'no water' complaints were associated with the Freeze/Thaw event in December 2021. And 960 complaints were associated with the Westland SR incident. With those events excluded from the analysis, the statistics show that in the last three years, the outturns were between 11.6 and 12.2. On this basis, the conclusion is that the accuracy of the data remains consistent and inclusive of all interruption events.

**Audit Checks**

NI Water carries out a number of audit checks, aimed at ensuring that the data in its Annual Information Return is both reliable and accurate and that the confidence grade is justified. The audit checks ensure that affected properties have been reported under the correct category of interruption and that reporting is in accordance with the regulatory guidance and definitions.

During the year, the Water function within the Customer & Operations Directorate generated a total of 263 records of interruption events lasting more than 3 hours. All records were checked for accuracy and completeness by the Field Managers as part of the approval process. Following the extraction of data to spreadsheets, checks were carried out by C&O Services to ensure that the data remained consistent with IMS and that no records had been inadvertently deleted or duplicated during migration between worksheets.

During the year, Capital Asset Delivery generated a total of 28 records of interruption events lasting more than 3 hours. A random sample of 24 records was checked against the corresponding Interruption Record Sheets to ensure that the details had been accurately transcribed. This represents 86% of records.

Throughout 2023/24, the Company has continued to review its records of 'no water' complaints when determining the details of supply interruptions. And the Company has carried out checks to ensure consistency between IMS and the Upward Reporting process relating to unplanned interruption events lasting more than 3 hours.

The Company also continues to monitor the warning notification process followed by its contractors for planned and warned interruptions and has carried out sample checks to confirm that customers were provided with at least 48 hours warning in advance of planned and warned interruptions to supply.

**Line 20 - Population (winter)**

**Note:** All calculations relating to Line 20 were originally performed with the aid of a spreadsheet. For the purposes of the commentary, figures have been rounded and may give rise to rounding errors if used.

**Estimation of Non-Resident Visitor Nights in 2023**

The AIR24 methodology involves three separate applications of the monthly occupancy figures for hotels and small service accommodation *(formerly known as guest houses/B&Bs)*. The first involves an application of the monthly occupancy figures for the period January 2019 to December 2019 *(see table below)* along with the number of non-resident visitor nights for the same period *(**still** the last available published figure)* in order to determine the relationship between the two datasets. Please refer to the following NISRA publications:

- *Northern Ireland Monthly Hotel Occupancy – Table 3 (Publication Date: 11/04/24)*
- *Northern Ireland Monthly Small Service Accommodation Occupancy – Table 2 (Publication Date: 11/04/24)*

| MONTH | HOTEL BED-SPACES SOLD | SMALL SERVICE ACCOMMODATION BED-SPACES SOLD | TOTAL BED-SPACES SOLD |
|---|---|---|---|
| Jan-19 | 232,216 | 31,508 | 263,724 |
| Feb-19 | 274,402 | 38,899 | 313,301 |
| Mar-19 | 308,143 | 45,317 | 353,460 |
| Apr-19 | 291,591 | 66,338 | 357,929 |
| May-19 | 353,957 | 75,838 | 429,795 |
| Jun-19 | 381,005 | 96,859 | 477,865 |
| Jul-19 | 408,819 | 113,966 | 522,786 |
| Aug-19 | 444,286 | 124,899 | 569,185 |
| Sep-19 | 344,568 | 81,511 | 426,079 |
| Oct-19 | 328,592 | 66,397 | 394,989 |

| | | | |
|---|---|---|---|
| Nov-19 | 292,004 | 50,024 | 342,028 |
| Dec-19 | 292,224 | 34,837 | 327,061 |
| **Total** | **3,951,808** | **826,394** | **4,778,202** |

Total bed-spaces sold (Jan 19 to Dec 19) = 4,778,202

**Ref:** Country of Residence worksheet of the NISRA publication *'Northern Ireland Tourism Statistics Microdata (January 2011 – December 2019)'* dated 22/09/2020.

- *'Estimated Overnight Trips taken in Northern Ireland by Country of Residence, Q1 2011-Q4 2019'*

Non-resident visitor nights (Jan 19 to Dec 19) =
5,710,332 *(GB visitors)* + 1,858,509 *(RoI visitors)* + 4,246,082 *(outside UK & RoI visitors)* = 11,814,924

11,814,924 / 4,778,202 = 2.473

Based on data for the period January 19 to December 19, the number of non-resident visitor nights was found to be 2.473 times that of the number of bed-spaces sold for hotels and small service accommodation.

The second application of the monthly occupancy figures for hotels and small service accommodation involves an application of the data for the period January 2023 to December 2023 *(see table below)* and the relationship determined above in order to estimate the number of non-resident visitor nights for the same period. Please refer to the following NISRA publications:

- *Northern Ireland Monthly Hotel Occupancy – Table 3 (Publication Date: 11/04/24)*
- *Northern Ireland Monthly Small Service Accommodation Occupancy – Table 2 (Publication Date: 11/04/24)*

| MONTH | HOTEL BED-SPACES SOLD | SMALL SERVICE ACCOMMODATION BED-SPACES SOLD | TOTAL BED-SPACES SOLD | PERCENTAGE OF BED-SPACES SOLD IN 2020 |
|---|---|---|---|---|
| Jan-23 | 232,478 | 61,868 | 294,346 | 6.05% |
| Feb-23 | 252,956 | 59,614 | 312,570 | 6.43% |
| Mar-23 | 292,879 | 67,428 | 360,307 | 7.41% |
| Apr-23 | 340,664 | 85,903 | 426,567 | 8.77% |
| May-23 | 340,877 | 98,618 | 439,495 | 9.04% |
| Jun-23 | 372,562 | 113,759 | 486,321 | 10.00% |
| Jul-23 | 374,694 | 114,183 | 488,876 | 10.05% |
| Aug-23 | 402,393 | 102,299 | 504,692 | 10.38% |
| Sep-23 | 348,587 | 103,684 | 452,271 | 9.30% |
| Oct-23 | 331,935 | 89,549 | 421,485 | 8.67% |
| Nov-23 | 258,873 | 65,640 | 324,513 | 6.67% |
| Dec-23 | 294,516 | 56,845 | 351,361 | 7.23% |
| **Total** | **3,843,412** | **1,019,390** | **4,862,802** | **100.00%** |

Total bed-spaces sold (Jan 23 to Dec 23 = 4,862,802

Estimated non-resident visitor nights (Jan 23 to Dec 23) =
4,862,802 x 2.473 = 12,024,112

Having estimated the number of non-resident visitor nights in 2023, all components of the Winter Population calculation are now available and the remainder of the methodology is similar to previous years.

The third and final application of the monthly occupancy figures for hotels and small service accommodation involves an application of the data for the period January 2023 to December 2023 *(see table above)* in order to calculate the percentages of bed-spaces sold per month in 2023 and hence, the percentage of bed-spaces sold during the winter months.

**Assumption:** The regulatory guidance for AIR Table 2 Line 20 does not define the meaning of *'winter'*. In previous submissions using this methodology, the winter months were deemed to be the six months in the year with the lowest percentage bed-spaces sold. The percentage bed-spaces sold during the winter was the summation of the percentages for these six months.

Based on this assumption and the above table of percentages of bed-spaces sold per month in 2023, the percentage of bed-spaces sold during the winter was:

6.05 + 6.43 + 7.41 + 8.67 + 6.67 + 7.23 = 42.46%

**Assumption:** There is a direct relationship between bed-spaces sold and non-resident visitor nights.

Estimated non-resident winter visitor nights in 2023 =

(12,024,112 / 100) x 42.46 = 5,105,031

According to AIR24: Table 7: Line 17, the baseline resident population was 1,919.12 x $10^3$.

Using the baseline resident population and the estimated non-resident winter visitor nights above, the winter population was estimated as follows:

Estimated average non-resident winter visitors per night =
5,105,031 / (31 + 28 + 31 + 31 + 30 + 31) = 28,050

Population (winter) = 1,919,120 + 28,050 = **1,947,170**.

**Changes in Methodology**

**Background**

The Winter Population is the resident population (water) plus the average non-resident population on any given day during the six winter months of the year. The methodology for calculating the average non-resident population relies heavily on the ability to source a figure from available tourism statistics for the number of **non-resident visitor nights**. In the past, this figure has been available for either the most recent calendar year *(as in the case of AIR17)* or only part of the most recent calendar year *(as in the cases of AIR18, AIR19 and AIR20),* but not the financial year in question.

These limitations have caused NI Water to base its reporting of the Winter Population on a calendar year and to estimate the number of non-resident visitor nights in the calendar year when the figure has not been readily available. Estimates are based on the assumption that there is a direct relationship between the number of non-resident visitor nights and the occupancy figures for hotels and small service accommodation.

## AIR24 Methodology

### Continuing Impact of Covid-19 Pandemic on Northern Ireland Tourism Statistics

Tourism data is derived from a variety of sources and the COVID-19 pandemic has had a significant effect. Due to data collection issues and the quality and quantity of some data, NISRA has suspended National Statistics status for tourism data until further notice. As such, the latest full National Statistics annual accredited publication is still the 2019 edition. National Statistics status guarantees the highest standards of trustworthiness, quality and public value.

In view of the circumstances highlighted above, NI Water has continued to use the last available National Statistics accredited figure for non-resident visitor nights i.e. the figure for the 12-month period from January to December 2019 and has estimated the annual number of non-resident visitor nights in 2023.

### Impact of Change in AIR24 Methodology on Reported Outturn

The change in methodology described above is not believed to have had a significant impact on the reported outturn. This can be illustrated by examining the impact that an estimate has on the calculation for Jul 18 to Jun 19 when the estimate is based on the established relationship between non-resident visitor nights and bed-spaces sold.

**Ref:** Tables 1.3 and 1.2 of the NISRA publications '*Northern Ireland Tourism Statistics Tables (2011 – 2020)'* dated 18/02/2021.

Total bed-spaces sold (Jul 18 to Jun 19) = 4,645,321

Estimated non-resident visitor nights (Jul 18 to Jun 19) =
4,645,321 x 2.473 = 11,486,354

**Ref:** Country of Residence worksheet of the NISRA publication *'Northern Ireland Tourism Statistics Microdata (January 2011 – December 2019)'* dated 22/09/2020.

- *'Estimated Overnight Trips taken in Northern Ireland by Country of Residence, Q1 2011-Q4 2019'*

Actual non-resident visitor nights (Jul 18 to Jun 19) = 12,098,471

Difference between actual and estimate =
12,098,471 - 11,486,354 = 612,116

Percentage difference = 612,116 / 12,098,471 x 100 = 5%

As the difference between the actual and estimate is within the tolerance of any previously assigned confidence grading for this measure i.e. between 1% and 5%, this is deemed to be a suitable method for estimating the number of non-resident visitor nights.

### Significant year on year changes in reported figures including an explanation of any factors that may have influenced the figures

| AIR22 | Confidence Grade | AIR23 | Confidence Grade | AIR24 | Confidence Grade |
|---|---|---|---|---|---|
| 1,910.42 x $10^3$ | C2 | 1,939.70 x $10^3$ | C2 | **1,947.17 x $10^3$** | **C2** |

**Update on AIR19 Reporter Recommendation**

The AIR19 Reporter recommended that in the absence of a published figure for the number of non-resident visitor nights for the year in question, NI Water was to recalculate the Winter Population when a published figure became available and include an update on the impact of any change in the commentary for the following year.

Unfortunately, it has not been possible to recalculate the AIR23 outturn ahead of AIR24 as the most recently published figure for the number of non-resident visitor nights is **still** the figure for 2019 which was used to recalculate the AIR20 outturn and which was used to estimate the AIR21 to AIR24 outturns. NI Water will recalculate the historical outturns when the corresponding numbers of non-resident visitor nights are confirmed by NISRA.

Last year, the Company reported a Table 2 Line 20 outturn of 1,939.70 x $10^3$. Based on the AIR24 outturn of 1,947.17 x $10^3$, the estimated winter population has increased by 7.47 x $10^3$ *(0.39%)*. This slight increase can be attributed to the overall impact of changes in the component figures that make up the figure.

Although the estimated number of hotel bed-spaces sold in 2023 was 168,367 lower than the 2022 estimate and as a result, the estimated number of non-resident visitor nights was also lower, the 2023/24 baseline resident population of 1,919.12 was higher than the 2022/23 outturn of 1,912.09. And the 2023 estimate of 1,019,390 small service accommodation bed-spaces sold was also higher than the 2022 estimate of 952,391.

**Factors impacting on tourism and winter population trends**

Risks to the tourism outlook remain amid turmoil in the financial sector, persistently high core inflation, uncertainty around the impact of Russia's invasion of Ukraine and the aftermath of three years of COVID.
According to Issue 7 of the Tourism Northern Ireland publication 'Tourism $360^0$':

- Cost-of-living pressures, interest rate hikes and an uncertain economic future continue to take their toll on the tourism industry, with many consumers remaining cautious and spending less.
- The guesthouse, guest accommodation and B&B sector has been progressing better than hotels in its recovery from the effects of the pandemic.
- In the first quarter of 2023, international tourist arrivals reached 80% of pre-pandemic levels with strong results expected for the summer season, backed by robust pent-up demand, the sustained recovery of air connectivity, and the reopening of China and other major Asian markets and destinations.
- At the time of publication, the World Travel and Tourism Council were forecasting that by the end of 2023, nearly half of the 185 countries would have either fully recovered to pre-pandemic levels or would be within 95% of full recovery.

**Confidence Grade**

Population (winter) is an estimate based on several sources of information:

1. The NISRA publications *'Northern Ireland Monthly Hotel Occupancy' and 'Northern Ireland Monthly Small Service Accommodation Occupancy'* provide only an estimate of the monthly numbers of bed-spaces sold, based on the extrapolation of data for a representative sample group of establishments.
2. The NISRA publication *'Northern Ireland Tourism Statistics Microdata (January 2011 – December 2019)'* provides only an estimate of the quarterly numbers of non-resident visitor nights, based on sample surveys. The estimate therefore has an associated degree of sampling error, determined both by the sample design and by the sample size. Sample surveys include the Northern Ireland Passenger Survey (NIPS) conducted by

the Northern Ireland Statistics and Research Agency (NISRA), the Survey of Overseas Travellers (SOT) conducted on behalf of Fáilte Ireland and the Household Travel Survey (HTS) conducted by Central Statistics Office (CSO).

NI Water has assigned a confidence grade of **C2** to account for known deficiencies in the reliability and accuracy of the reported figure. Although there have been changes in the methodology, data confidence is still believed to be comparable to previous years.

The "2" has been assigned because even if all visits occurred in the winter, the difference in the calculated winter population would be 38,017 *(+1.95%)*. *(see calculation below)*

12,024,112 / (31 + 28 + 31 + 31 + 30 + 31) = 66,067 non-resident visitors
1,919,120 + 66,067 = 1,985,187 residents + non-resident visitors
1,985,187 - 1,947,170 = 38,017
(38,017 / 1,947,170) x 100 = 1.95%

Unlike some areas of GB where the seasonal influx of tourists and associated variation in population is considerable, the annual number of non-resident visitors to Northern Ireland is normally so small in comparison to the number of resident visitors that the impact of the inclusion of this figure and its correct apportionment between summer and winter has very little impact on any calculations and is always, well within the tolerance of any accuracy band assigned by NI Water.

At the time of reporting on AIR24, the most recent non-resident visitor nights figure available was for 2019 and a figure for 2023 had to be estimated. When reporting on AIR25, NI Water will recalculate the AIR24 outturn if a published figure for 2023 is available.

**Lines 21-23 DG4 Restrictions on use of water**

**Hosepipe restrictions** are defined as applying to those area(s) where legal notification has been published restricting the use of handheld hosepipes. This will normally be via notifications in the press that the use of hosepipes is banned.

**Drought Orders:** The population affected by Drought Orders shall include all areas where Drought Orders under Part V Chapter 1 and Schedule 5 of the Water and Sewerage Services (NI) Order 2006 have been approved by the Minister and implemented by the company.

**Sprinkler/unattended hosepipe restrictions** are defined as applying to those area(s) where legal notification has been published restricting the use of sprinklers/unattended hosepipes. This will normally be via notifications in the press that the use of sprinklers/unattended hosepipes is banned.

**Outturns and Confidence Grades**

There were no hosepipe restrictions, drought Orders or sprinkler/unattended hosepipe restrictions during the 2023/24 reporting year and therefore, the percentage population experiencing DG4 Restrictions on Use of Water is 0.0% for Lines 21, 22 and 23.

Also therefore, no detailed timetables for hosepipe restrictions have been necessary and the recording template has a Nil return.

Other calculations would have been based on information provided by Asset Information Development and on connected population figures supplied in Table 7, Lines 13-16 but

excluding Lines 14 & 16 for the Billed and Measured population. The total population would be taken from Table 2 Line 20 (winter population).

| Line | Description | Calculation |
|---|---|---|
| 21 | % population - hosepipe restrictions | population hosepipe restrictions x 100 / total population (winter) |
| 22 | % population - drought orders | population drought orders x 100 / total population (winter) |
| 23 | % population- sprinkler/unattended hosepipe restrictions | population sprinkler/unattended hosepipe restrictions x 100 / total population (winter) |

| Line | Value | Calculation |
|---|---|---|
| 21 | 0.0% | 0 x 100 / Table 2 Line 20 |
| 22 | 0.0% | 0 x 100 / Table 2 Line 20 |
| 23 | 0.0% | 0 x 100 / Table 2 Line 20 |

The reliability assessments of “A” are based on the established procedures for the making of any order to prohibit or restrict the use of water. The accuracy assessments of “1” are a reflection that none of the population was affected by restrictions during the report period.

**Hose pipe restrictions**

| | |
|---|---|
| Area affected | None |
| Population affected (000s) | 000.0 |
| Date imposed | N/A |
| Date lifted | N/A |
| Total duration (weeks) | N/A |

**Sprinkler/unattended hosepipe restrictions**

| | |
|---|---|
| Area affected | None |
| Population affected (000s) | 000.0 |
| Date imposed | N/A |
| Date lifted | N/A |
| Total duration (weeks) | N/A |
| Licensed users | n/a* |

*n/a – company does not operate a sprinkler licence system

**Future Reporting**

Northern Ireland Water will continue to develop a series of revised DG4 procedures which clarifies the reporting requirements and definitions and the responsibilities of those involved in the reporting process. An Information Management Systems project Board and team is

continuing to consider further development of existing reporting systems to capture DG4 events on a stand-alone basis. This will provide a more detailed breakdown and audit trail of areas affected if any restrictions are not applied Province wide.

The following documents outline in more detail the monitoring and recording processes that are currently in place:

1. NIW – DG4 Procedures May 2024
2. Water Shortage Management Process Guidelines 2019
3. DG4 – Recording of Affected Populations and Durations for AIR24

## Annex A – Line Methodology for Table 2

### A) Properties Receiving Pressure/Flow Below Reference Level

### Line 1 – Total Connected Properties at Year End

The total number of properties (domestic and non-domestic) connected to the distribution system at the end of the 2023/2024 reporting year. This includes properties, which are connected but not billed (for example, temporarily unoccupied), but excludes properties which have been permanently disconnected (for example logical demolitions).

This figure is calculated from the Rapid Property Summary for AIR23 (dated 31st March 2023) as attached.

RPS March 24.xlsx

| Total Connected properties at Year End | AIR24 |
|---|---|
| Non-Household Unmeasured | 15524 |
| Non-Household Measured | 78734 |
| Household Unmeasured | 770591 |
| Household Measured – Not Charged (test meters) | 5 |
| Household Measured | 49850 |
| Household Measured – No meter | 0 |
| Household Site Meters | 4469 |
| Household Unmeasured – Not Charged | 17 |
| **Total Connected Properties at Year End** | **919190** |

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 3 KEY OUTPUTS
SEWERAGE SERVICE - INTERNAL FLOODING (TOTAL)

| | DESCRIPTION | UNITS | DP | 1 REPORTING YEAR 2015-16 | CG | 2 REPORTING YEAR 2016-17 | CG | 3 REPORTING YEAR 2017-18 | CG | 4 REPORTING YEAR 2018-19 | CG | 5 REPORTING YEAR 2019-20 | CG | 6 REPORTING YEAR 2020-21 | CG | 7 REPORTING YEAR 2021-22 | CG | 8 REPORTING YEAR 2022-23 | CG | 9 REPORTING YEAR 2023-24 | CG | 10 REPORTING YEAR 2024-25 | CG | 11 REPORTING YEAR 2025-26 | CG | 12 REPORTING YEAR 2026-27 | CG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A** | **DG5 ANNUAL FLOODING SUMMARY** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Number of domestic properties connected to sewerage system | 000 | 1 | 638.1 | A2 | 648.6 | A2 | 657.9 | A2 | 668.3 | A2 | 677.1 | A2 | 685.0 | A2 | 692.1 | A2 | 698.8 | A2 | 702.9 | A2 | | | | | | |
| | **(I) OVERLOADED SEWERS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Properties flooded in the year (overloaded sewers) | nr | 0 | 3 | B2 | 3 | B2 | 0 | B2 | 7 | B2 | 0 | B2 | 0 | B2 | 7 | B2 | 1 | B2 | 3 | B2 | | | | | | |
| 3 | Flooding incidents in the year (overloaded sewers) | nr | 0 | 4 | B2 | 3 | B2 | 0 | B2 | 0 | B2 | 0 | B2 | 0 | B2 | 6 | B2 | 14 | B2 | 9 | B2 | | | | | | |
| 4 | Flooding incidents (overloaded sewers attributed to severe weather) | nr | 0 | 1 | B2 | 2 | B2 | 0 | B2 | 7 | B2 | 0 | B2 | 3 | B2 | 6 | B2 | 13 | B2 | 6 | B2 | | | | | | |
| 4a | Properties flooded in the year attributed to severe weather | nr | 0 | 1 | B2 | 2 | B2 | 0 | B2 | 7 | B2 | 0 | B2 | 3 | B2 | 7 | B2 | 13 | B2 | 6 | B2 | | | | | | |
| 5 | Props. where flooding limited to uninhabited cellars only (o/loaded sewers) | nr | 0 | 0 | B2 | 0 | B2 | 0 | B2 | 0 | B2 | 0 | B2 | 0 | B2 | 0 | B2 | 0 | B2 | 0 | B2 | | | | | | |
| | **(ii) OTHER CAUSES** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Properties flooded in the year (other causes) | nr | 0 | 38 | B2 | 47 | B2 | 33 | B2 | 23 | B2 | 24 | B2 | 16 | B2 | 30 | B2 | 29 | B2 | 36 | B2 | | | | | | |
| 7 | Properties which have flooded more than once in the last ten years (other causes) | nr | 0 | 11 | B2 | 21 | B2 | 20 | B2 | 21 | B2 | 24 | B2 | 26 | B2 | 24 | B2 | 23 | B2 | 24 | B2 | | | | | | |
| 8 | Flooding incidents (other causes - equipment failures) | nr | 0 | 1 | B2 | 1 | B2 | 0 | B2 | 2 | B2 | 4 | B2 | 0 | B2 | 0 | B2 | 0 | B2 | 1 | B2 | | | | | | |
| 9 | Flooding incidents (other causes - blockages) | nr | 0 | 34 | B2 | 38 | B2 | 26 | B2 | 17 | B2 | 6 | B2 | 11 | B2 | 18 | B2 | 15 | B2 | 23 | B2 | | | | | | |
| 10 | Flooding incidents (other causes - collapses) | nr | 0 | 3 | B2 | 8 | B2 | 7 | B2 | 4 | B2 | 14 | B2 | 5 | B2 | 12 | B2 | 14 | B2 | 12 | B2 | | | | | | |
| 11 | Props. where flooding limited to uninhabited cellars only (other causes) | nr | 0 | 0 | B2 | 0 | B2 | 0 | B2 | 0 | B2 | 0 | B2 | 0 | B2 | 0 | B2 | 1 | B2 | 1 | B2 | | | | | | |
| **B** | **DG5 PROPERTIES ON THE AT RISK REGISTER** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | **(i) SUMMARY** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 2 in 10 register at end of year | nr | 0 | 59 | B2 | 61 | B2 | 57 | B2 | 57 | B2 | 55 | B2 | 50 | B2 | 52 | B2 | 49 | B2 | 47 | B2 | | | | | | |
| 13 | 1 in 10 register at end of year | nr | 0 | 7 | B2 | 6 | B2 | 4 | B2 | 2 | B2 | 2 | B2 | 0 | B2 | 1 | B2 | 0 | B2 | 0 | B2 | | | | | | |
| 14 | Total 1 in 10 and 2 in 10 properties on the register at end of year | nr | 0 | 66 | B2 | 67 | B2 | 61 | B2 | 59 | B2 | 57 | B2 | 50 | B2 | 53 | B2 | 49 | B2 | 47 | B2 | | | | | | |
| 15 | 1 in 20 register at end of year | nr | 0 | 94 | B2 | 89 | B2 | 73 | B2 | 65 | B2 | 62 | B2 | 58 | B2 | 54 | B2 | 53 | B2 | 33 | B2 | | | | | | |
| 15a | Potential risk of property flooding identified requiring further investigation to assess at risk category | nr | 0 | 1 | B2 | 2 | B2 | 0 | B2 | 1 | B2 | 2 | B2 | 0 | B2 | 0 | B2 | 0 | B2 | 0 | B2 | | | | | | |
| 16 | Props. on the register which have not flooded in the past 10 yrs (excl. severe weather) | nr | 0 | 22 | B2 | 27 | B2 | 26 | B2 | 11 | B2 | 19 | B2 | 22 | B2 | 27 | B2 | 29 | B2 | 27 | B2 | | | | | | |
| 17 | Properties which have not flooded internally but suffer restricted toilet use (RTU) | nr | 0 | 0 | B2 | 0 | B2 | 0 | B2 | 1 | B2 | 1 | B2 | 1 | B2 | 4 | B2 | 4 | B2 | 4 | B2 | | | | | | |
| | **(iii) ANNUAL CHANGES TO 2 IN 10 & 1 IN 10 REGISTERS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | Removed by company action | nr | 0 | 3 | B2 | 3 | B2 | 6 | B2 | 4 | B2 | 1 | B2 | 10 | B2 | 1 | B2 | 2 | B2 | 0 | B2 | | | | | | |
| 23 | Removed because of better information | nr | 0 | 2 | B2 | 1 | B2 | 0 | B2 | 2 | B2 | 0 | B2 | 2 | B2 | 0 | B2 | 0 | B2 | 5 | B2 | | | | | | |
| 24 | Added because of better information (actually flooded) | nr | 0 | 3 | B2 | 3 | B2 | 0 | B2 | 1 | B2 | 0 | B2 | 0 | B2 | 3 | B2 | 2 | B2 | 3 | B2 | | | | | | |
| 25 | Added because of better information (modelled) | nr | 0 | 0 | B2 | 2 | B2 | 0 | B2 | 3 | B2 | 0 | B2 | 6 | B2 | 0 | B2 | 0 | B2 | 0 | B2 | | | | | | |
| 26 | Average capex cost of permanent solutions to 1 in 10 & 2 in 10 DG5 problems | £000/prop | 1 | 230.0 | B2 | 32.8 | B2 | 184.5 | B2 | 577.4 | B2 | 56.0 | B2 | 301.0 | B2 | 93.0 | B2 | 1997.0 | B2 | 0.0 | B2 | | | | | | |
| | **(v) ANNUAL CHANGES TO THE 1 IN 20 REGISTER** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | Removed by company action (1 in 20) | nr | 0 | 4 | B2 | 4 | B2 | 11 | B2 | 5 | B2 | 0 | B2 | 1 | B2 | 2 | B2 | 1 | B2 | 16 | B2 | | | | | | |
| 31 | Removed because of better information (1 in 20) | nr | 0 | 11 | B2 | 1 | B2 | 5 | B2 | 5 | B2 | 4 | B2 | 3 | B2 | 2 | B2 | 0 | B2 | 4 | B2 | | | | | | |
| 32 | Added because of better information (actually flooded - 1 in 20) | nr | 0 | 1 | B2 | 0 | B2 | 0 | B2 | 0 | B2 | 0 | B2 | 0 | B2 | 0 | B2 | 0 | B2 | 0 | B2 | | | | | | |
| 33 | Added because of better information (modelled - 1 in 20) | nr | 0 | 0 | B2 | 0 | B2 | 0 | B2 | 2 | B2 | 0 | B2 | 0 | B2 | 0 | B2 | 0 | B2 | 0 | B2 | | | | | | |
| 34 | Average capex cost of permanent solutions to 1 in 20 DG5 problems | £000/prop | 1 | 272.9 | B2 | 38.8 | B2 | 216.6 | B2 | 482.1 | B2 | 0.0 | B2 | 593.8 | B2 | 58.0 | B2 | 1997.0 | B2 | 532.5 | B2 | | | | | | |

## Table 3 - Key Outputs – Sewerage Service – Internal Flooding

### Line 1 – Number of Domestic Properties Connected to the Sewerage System

NI Water's data on property counts and classifications is reported monthly from RapidXtra within the Rapid Property Summary (RPS). The data is extracted from the Diamond Warehouse via Microsoft SQL Server to produce the RPS report.

Our AIR24 methodology has remained consistent with previous years – using the automated Property Model tool to populate Table 3 figures (this was first introduced in AIR12 – the RPS as the input).

The RPS provides us with a snapshot at the end of each month in terms of net movement; however it alone does not support in the explanation of gross movements within the data. With this in mind, during the 2023/24 reporting year the C&OD Services MI & Data Team explored the use of Power BI to re-create the RPS with a drill down function to display the gross movement. The Power BI property models developed take their direct feed from the Diamond Warehouse in order to refresh. These models provide us with information on gross movements and allow us to 'slice and dice' the data from various angles, providing invaluable insights. The plan is to further enhance and incorporate these models across the business during 2024/25.

Customer/Property information is updated through:

- BAU ('business as usual') customer contacts, such as new connection requests, customer move in/move outs, or
- through Data Quality initiatives/Projects, and/or
- Metering work streams e.g. UNHH (Selectives), Optants, and Proactive Meter Exchange etc.

Under the Water & Sewerage Services (2006) Order, NI Water were required to install meters on all new household connections from April 2007. This practice has stopped as directed by a change in legislation, which took effect in July 2016. The legislation was amended by Regulations, which in effect relieved NI Water of the obligation to install meters at newly connected domestic properties. As domestic customers are not charged on a measured basis, the property is reported as unmeasured. Some domestic properties were initially reported as measured in AIR10 but this was rectified as per the erratum to AIR10. Depending on the basis for charging when domestic billing is introduced, these customers can be activated as measured household if required.

Data on population continues to be obtained from Northern Ireland Statistics and Research Agency (NISRA), adjusted for the winter months based on information published by the Department for Economy (DFE) and the Central Statistics Office (CSO), Ireland.

The difference between the AIR23 and the AIR24 figure is 4,023. The breakdown can be explained as follows;

1. New Connections during the 2023/24 reporting year. The figures are based on data supplied by our Customer Connections Team and represent completed connections during the reporting year. The projections for New Connections remain in line with the agreed PC21 forecasts, however, if we notice an upturn or downturn, we will review and amend (during the compilation of the Principal Statement)

2. As a result of a customer contact, e.g. septic tank empty request, no water complaint, blocked sewer, updating of standing data e.g. removal of services etc. Within this category there are 2 scenarios:
    (a) The adding of properties NI Water allegedly did not know about
    (b) The adding of duplicates as the customer's address could not be found on Rapid. Rapid may hold the site number but when the customer contacts NI Water, they quote the verified postal address, which is different, therefore creating a duplicate. The street name may also have changed from the time of New Connection to that of customer contact (street names can change in the early stages of site development).
3. Removal/reclassification of properties as a result of data quality initiatives/projects
    a. Duplicate properties
    b. Reclassification of properties that were recorded in error
4. Change in occupancy status – movement from void/vacant to occupied and vice-versa.

For NI Water, accurate property data is fundamental for many systems and processes, including customer service, metering, billing, consumption, leakage and Major Incident Planning & Response. The Rapid Customer Contact System contains the master property data for NI Water.

As Data Owner for Property Standing Data, The Head of C&OD Services is responsible for the property standing data held by NI Water; this is monitored and managed through the Corporate Property Register (CPR) Project. The C&OD Business Services MI & Data Team chair this group.

The role of the CPR project is to agree a single consistent source of property data and to ensure that there is appropriate governance, controls and reporting for changes made to core data on the system. As Property Data Owners, we need to ensure the processes around creation, maintenance and demolition of properties are governed and appropriate control points and associated reporting are in place. Control is key for us; as such we have identified the systems, processes and people using property information across the business, alongside confirming data accuracy and endeavouring to reduce the opportunities for erroneous data entry and creation (such as the inability to recreate demolished properties or duplicate properties).

The issues under consideration were identified as of corporate relevance, therefore, to ensure appropriate direction and governance the CPR was formalised. Key objectives include:

1. To agree a single consistent source of property data.
2. To ensure the source property data represents accurate, up-to-date information appropriate for use by the business.
    a. To understand and agree data primacy in respect of data updates from NI Water and external (Land & Property Services - LPS) sources
    b. To ensure the processes around creation (i.e. New Connections), maintenance and demolition of properties are governed and appropriate control points and associated reporting are in place. i.e. through data validation
    c. To co-ordinate property reconciliations between NI Water & external sources i.e. Data Sharing Agreements between NI Water & LPS, NI Water & Belfast City Council (BCC) etc and understand the reasons and validity of any differences

   d. To understand and ensure the adequacy of long term procedures for database maintenance, including the updating of data standards and associated CDE M&M Plans
3. To ensure the reporting requirements for the business are met relating to data held on Rapid, particularly, but not exclusively, in respect of tariffs, leakage, Annual Information Returns (AIR) & Principal Statement (PS) returns.
4. Challenge the data in the areas of
   a. Data categorisation & structure
   b. Data robustness – i.e. where is our data good and where is there opportunity for improvement? Identify projects that could aid improvement
   c. Data alignment – both internally and externally. Internally between systems such as Rapid, Ellipse, GIS, Diamond, Netbase, IMS etc. Externally through data reconciliations, such as LPS above.
5. To agree measures to improve the quality and integrity of the data, particularly the key CDEs as monitored by IMU
6. To agree the content and frequency of reports required by NI Water.
7. To agree the quality checking criteria for the above data and reporting and develop a Quality Plan including the determination of responsibilities and audit trails.
8. To produce & circulate an 'operate and maintain' programme for property data to the business.

The focus for the CPR project remains the same, including analysis and action on:

- Creation of an agreed single consistent source of property information, running alongside the CBC3 timelines
- Volume of properties coming onto the Rapid billing system on a monthly basis
  - new connections
  - customer contact
  - project work
- Volume of properties coming off the Rapid billing system (demolished)
  - sample check to ensure reason for demolition has been noted and on system audit trail recorded
- Volume of properties amended on the Rapid billing system
  - In particular, address fields -> building number, street name, town and postcode
  - sampling to identify if the data changes are data improvement or data regression
  - if data regression, further analysis into the process is undertaken
- Review of access privileges
  - Rapid audit
  - Through monthly audit samples
  - Internal CRs require sign off from CPR team as BAU
  - Working with Echo to review access privileges on an ongoing basis
- Interruptions to supply notices – returned mail
  - This returned mail has been previously brought to the attention of LPS and include properties that LPS have classified as live properties despite being returned as 'no such address' etc
  - The 2 way communication with LPS will help underpin our governance work and provide direction to the business on practices

Annex A details the Line Methodology followed by the figure calculated for Table 3 Line 1.

## Internal sewer flooding

### Objective/Aim

To maintain a verifiable DG5 register with the aim to provide an auditable method for identifying the specific properties which are affected by flooding or are at risk of flooding and the cause of flooding.

### Internal Flooding Process

In line with the regulators instructions, an end-to-end review of the internal flooding process has been carried out. Wastewater Business Unit (WWBU) carries out extensive robust investigations to determine the cause of every individual internal flooding incident. Any internal flooding that does not fall into these Flooding Other Causes (FOC) categories is passed to Asset Performance for them to carry out full Hydraulic Capacity evaluations and record them under the appropriate sections of the register. The evidence gathered is brought to an expert panel (the DG5 Panel) who examine the evidence presented for each incident and govern the addition of properties to and removal of properties from the register. All properties where actual internal flooding has occurred are recorded in the appropriate sections of the DG5 register i.e. In the Excluded section: FOC due to Blockages, Collapses, Equipment Failure or Severe Weather, or on the register in the 1:20, 1:10 or 2:10 Sections.

The register is held on an Oracle database represented on the Corporate Asset Register as GIS layer on CARtomap. Although the Internal Flooding process is now in place, the process itself continues to be refined.

NIW has direct access to the MUL Dashboard where all flooding jobs that have been sent to the contractor and their current status is visible. If the job has been completed NIW can view the data being provided and if there are any discrepancies they can be addressed immediately. The Business Unit proactively ensures that the FIR is fully completed by continual liaison between the MUL Contracts Manager and the Customer and Regulation manager (NIW) where queries/ problems are discussed and then resolved/ rectified by MUL. NIW has set up formal quarterly meetings with the MUL Contracts Manager where any issues/problems are discussed. WwBU also complete a monthly quality report to OCMC (Operations Contract Management Centre) which is used to assess if the contractor is penalised for not providing accurate data.

### Problems as yet Undiscovered

A process has been established to allow problems as yet unreported to be included in the register through field managers flooding incident reports (FIR). In addition flooding incident field investigations now include concentric circle surveys to pick up unreported flooding and modeling provided by Drainage Area Plan consultant.

### Assumptions

For the purpose of AIR24, NIW has assumed that a single incident includes recorded complaints from the same property on the same day or within three days. ‘3 days’ was chosen on the basis that a noticeable volume of repeat calls tend to be received within three days of an incident occurring. There is then a much longer passing of time before calls are again received from the same locality, suggesting that the original incident has passed and that the calls relate to a different incident.

An incident of internal flooding is assumed to be where a property has been flooded internally. If two adjacent properties are flooded at the same time they are classed as two properties and two incidents.

Where a single property floods internally on two separate occasions then this is recorded as one property and two incidents.

**Calculation Process - Lines 2 to 11,15a**

Data gathering and calculation is as described below.

**Sources/Primary Process**

**Lines 2 – 11, 15a Properties and flooding incidents**

A download of internal flooding records was obtained from the Ellipse system for the period April 2023 to March 2024 on a month-by-month basis. Investigations were carried out for each reported incident and those properties found not to be flooded after investigation, using information from the Sewer Maintenance Contractor, Flood Incident Report (FIR) Forms, Field Manager reports, Customer Field Manager reports, modelling provided by Drainage Area Plan consultant and contacting the Customers directly, were removed. The remaining properties were recorded as Flooding Incidents.

**Sources/Secondary Process**

1. Wastewater Business Unit (WWBU) carries out further investigations to determine the cause of every internal flooding incident.
2. WWBU assess the information held on customer report, Flood Incident Report (FIR), along with photographic evidence, closure details provided by the contractor and modelling provided by Drainage Area Plan consultant.
3. WWBU determines if the cause of the flooding incident was hydraulic incapacity or flooding other cause, i.e. Blocked Sewer, Equipment Failure, Collapsed Sewer or Severe Weather. This is done by a number of methods including site visits, concentric circle surveys, Customer Field Manager reports, customer interviews, field manager interviews and review of existing incident information. WWBU have also set up a formal InterDirectorate route to get copies of recorded Customer calls made available for record purposes.
4. If hydraulic incapacity is confirmed NIW now run a Hyrad Weather radar system report which is used to determine if the incident is as a result of severe weather (Line 4).
5. These properties were then recorded on a spreadsheet under the appropriate categories for lines 2, 3, 4, 4a, 5, 6, 8, 9, 10 and 11 using the information gathered from, the Sewer Maintenance Contractor, Flooding Report Forms, Field Manager reports, Drainage Area Plan consultant and contacting the Customers directly. All incidents of internal flooding attributed to overloaded sewers (Line2) and those attributed to severe weather (Line 4) are included in the total in Table 3 Line 3. All incidents of internal flooding attributed to severe weather are included in the total in Table 3 Line 4. A folder of evidence was created for all confirmed cases and this was brought to the monthly DG5 Panel for approval and addition to the appropriate section of the register. At the end of the reporting year this was the data used for AIR 23 returns.
6. The figure for line 7 was obtained by getting a report ran in the DG5 Oracle Database which holds the information as a DG5 layer in the GIS system.
7. Line 15a relates to properties that have not been fully investigated and categorized

**Confidence Grading for Table 3 lines 2 - 11, 15a**

Every reported incident of internal flooding is thoroughly investigated and cross-checked with the returned Flooding Incident Report Forms, Operations Staff, Customer Field Managers and the Customer where appropriate. Due to the extensive checking by the Business unit the data is then recorded in the appropriate lines therefore the confidence grade on the figures reported for lines 2, 3, 4,4a, 5, 6, 7, 8, 9, 10, 11, 15A is deemed to be B2.

**Lines 12 - 34 DG5 Properties on the At Risk Register and Annual Changes**

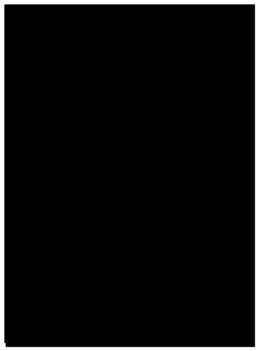
**PC21 Outputs Year 1**

The PC21 Business Plan included a target for removal of properties from the DG5 Internal Flooding Register by company action, which was 57:

**The number of removals achieved in 23/24 was 16 by Company Action**

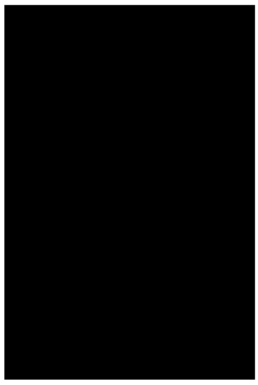
KR588 , Flood Alleviation

- , Belfast BT6 8JT (1 in 20)



KR746 Upgrade.

, Belfast BT6 9DS (1 in 20)
Belfast BT6 9BU (1 in 20)



, Holywood Flood alleviation scheme

, Holywood BT18 9EW (1 lin 20)

[redacted]

**In the year 23/24 there were 9 Removals achieved due to Better Information**

**2 in 10**

[redacted], Belfast BT6 0FP Removed due to better info
[redacted], Belfast BT6 0EP Removed due to better info
[redacted], Belfast BT6 0FR Removed due to better info
[redacted], Belfast BT6 0FR Removed due to better info
[redacted], Belfast BT6 0EE Removed due to Better Info

**1 in 20**

[redacted] BT5 6DL. Removed due to better info.
[redacted] Holywood BT18 9EW. Removed due to Company Action
[redacted], Belfast BT4 2GJ. Removed due to better info
[redacted], Belfast BT6 0GL Removed due to better info

**Additions**

**In year 23/24, there were three properties added to the flooding register**

[redacted], Ballymena Added due to Better Info. 2 in 10
[redacted], Millisle Added due to Better Info 2 in 10
[redacted], Bangor Added due to Better info. 2 in 10

[redacted]

[redacted]

[redacted]

**Properties on the 2 in 10 and 1 in 10 register which have not flooded in the last 10 years**

There are 27 properties on the Register which have not flood in the last 10 years see uploaded file below.

[redacted]

**Line 17 Restricted Toilet use**

There are four properties on the DG5 Register at present.

- [redacted], Londonderry BT48 7PF (2 in 10)
- [redacted], Londonderry BT48 7PF (1 in 10)
- [redacted], Ballynahinch BT24 8TF (2 in 10)
- [redacted], Ballynahinch BT24 8TF (2 in 10)

The tables below show how the DG5 properties, additions and removals are tracked, throughout the financial year.

[redacted]

**Total on Register end of 23/24 = 84 (includes 4 restricted toilet use)**

**Lines 26 and 34 – Average capex cost of permanent solutions**

Calculation summary for Lines 26 and 34 regarding average price for properties removed by company action from the DG5 Register. This calculation is the ESL expenditure calculation for each of the capital schemes divided by the number of DG5s removed from each of the categories.

[redacted]

**Mitigation Measures**

NI Water normally do not carry out mitigation measures as this programme of work is carried out by Rivers Agency as instructed by Local Government. In certain case's NI Water would fit non-return valves.

**Approval of Projects**

Approval of all projects for expenditure is approved by the Internal DG5 Panel.

There were no cases of 'Unknown cause' of flooding of internal flooding being added to the DG5 Register in 23/24

**Confidence grades**

Confidence grades for lines 12–16, 22–26 and 30–34 remain at B2.

## Annex A – Line Methodology for Table 3

### Line 1 – Number of Domestic Properties Connected to the Sewerage System

The total number of domestic properties (including voids) connected to the sewerage system at the end of the reporting year (31st March 2024).

This figure is based on the 31st March 2024 Rapid Property Summary for AIR24, as attached.

RPS March 24.xlsx

The figure is the total domestic properties (gross) connected for sewerage (including site meters as these are not being billed)

| Domestic Properties Connected to the Sewerage System | End March 2024 |
|---|---|
| **Total Gross Household Sewerage Properties** | **702,864** |

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 3A KEY OUTPUTS
SEWERAGE SERVICE - EXTERNAL FLOODING (TOTAL)

| | DESCRIPTION | UNITS | DP | 1 REPORTING YEAR 2015-16 | CG | 2 REPORTING YEAR 2016-17 | CG | 3 REPORTING YEAR 2017-18 | CG | 4 REPORTING YEAR 2018-19 | CG | 5 REPORTING YEAR 2019-20 | CG | 6 REPORTING YEAR 2020-21 | CG | 7 REPORTING YEAR 2021-22 | CG | 8 REPORTING YEAR 2022-23 | CG | 9 REPORTING YEAR 2023-24 | CG | 10 REPORTING YEAR 2024-25 | CG | 11 REPORTING YEAR 2025-26 | CG | 12 REPORTING YEAR 2026-27 | CG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | **ANNUAL FLOODING SUMMARY** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | **(I) OVERLOADED SEWERS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Areas flooded externally in the year (overloaded sewers) | nr | 0 | 23 | D6 | 20 | D6 | 15 | D6 | 57 | D6 | 17 | D6 | 12 | D6 | 11 | D6 | 4 | D6 | 11 | D6 | | | | | | |
| 2 | Curtilege flooding incidents in the year (overloaded sewers) | nr | 0 | 17 | D6 | 16 | D6 | 11 | D6 | 46 | D6 | 17 | D6 | 10 | D6 | 9 | D6 | 3 | D6 | 11 | D6 | | | | | | |
| 3 | Highway flooding incidents (overloaded sewers) | nr | 0 | 6 | D6 | 4 | D6 | 4 | D6 | 9 | D6 | 0 | D6 | 2 | D6 | 2 | D6 | 1 | D6 | 0 | D6 | | | | | | |
| 4 | Other flooding incidents (overloaded sewers) | nr | 0 | 0 | D6 | 0 | D6 | 0 | D6 | 2 | D6 | 0 | D6 | 0 | D6 | 0 | D6 | 0 | D6 | 0 | D6 | | | | | | |
| 5 | Total flooding incidents (overloaded sewers) | nr | 0 | 23 | D6 | 20 | D6 | 15 | D6 | 57 | D6 | 17 | D6 | 12 | D6 | 11 | D6 | 4 | D6 | 11 | D6 | | | | | | |
| 6 | External flooding incidents (overloaded sewers attributed to severe weather) | nr | 0 | 6 | D6 | 3 | D6 | 3 | D6 | 41 | D6 | 5 | D6 | 12 | D6 | 23 | D6 | 27 | D6 | 20 | D6 | | | | | | |
| 6a | Areas flooded externally attributed to severe weather | nr | 0 | 6 | D6 | 3 | D6 | | D6 | 41 | D6 | 5 | D6 | 12 | D6 | 23 | D6 | 27 | D6 | 20 | D6 | | | | | | |
| | **(ii) OTHER CAUSES** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Areas flooded externally in the year (other causes) | nr | 0 | 3,889 | D6 | 3,819 | D6 | 3,466 | D6 | 4,273 | D6 | 4,515 | D6 | 3,479 | D6 | 2,793 | D6 | 2,710 | D6 | 2,488 | D6 | | | | | | |
| 8 | Areas which have flooded more than once in the last 10 years (other causes) | nr | 0 | N/C | | N/A | | N/C | | 0 | D6 | 0 | D6 | N/C | | N/C | D6 | N/C | D6 | N/C | D6 | | | | | | |
| 9 | Flooding incidents (other causes - equipment failure) | nr | 0 | 19 | D6 | 8 | D6 | 3 | D6 | 4 | D6 | 15 | D6 | 11 | D6 | 6 | D6 | 9 | D6 | 11 | D6 | | | | | | |
| 10 | Flooding incidents (other causes - blockages) | nr | 0 | 3,773 | D6 | 3,543 | D6 | 3,155 | D6 | 3,962 | D6 | 4,044 | D6 | 3,457 | D6 | 1,812 | D6 | 1,757 | D6 | 1,660 | D6 | | | | | | |
| 11 | Flooding incidents (other causes - collapses) | nr | 0 | 97 | D6 | 268 | D6 | 308 | D6 | 307 | D6 | 456 | D6 | 11 | D6 | 975 | D6 | 944 | D6 | 817 | D6 | | | | | | |
| B | **AREAS ON THE 1:10, 2:10, 1:20 AT RISK REGISTER** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | **(I) SUMMARY** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 2 in 10 register at end of year | nr | 0 | 226 | D6 | 232 | D6 | 237 | D6 | 251 | D6 | 252 | D6 | 239 | D6 | 250 | D6 | 253 | D6 | 256 | D6 | | | | | | |
| 13 | 1 in 10 register at end of year | nr | 0 | 20 | D6 | 20 | D6 | 20 | D6 | 20 | D6 | 28 | D6 | 17 | D6 | 9 | D6 | 11 | D6 | 11 | D6 | | | | | | |
| 14 | 1 in 20 register at end of year | nr | 0 | 86 | D6 | 87 | D6 | 87 | D6 | 87 | D6 | 88 | D6 | 83 | D6 | 83 | D6 | 83 | D6 | 91 | D6 | | | | | | |
| 15 | Total on the 1:10, 2:10, 1:20 register at end of year | nr | 0 | 332 | D6 | 339 | D6 | 344 | D6 | 358 | D6 | 368 | D6 | 339 | D6 | 342 | D6 | 347 | D6 | 358 | D6 | | | | | | |
| 15a | Potential risk of property flooding identified requiring further investigation to assess at risk category | nr | 0 | N/C | | N/A | | N/C | | N/A | | 0 | D6 | N/C | | 0 | D6 | 0 | D6 | 0 | D6 | | | | | | |
| | **(iii) ANNUAL CHANGES TO 1:10, 2:10, 1:20 REGISTER** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | Removed by company action (external only) | nr | 0 | 0 | A1 | 1 | A1 | 0 | B2 | 0 | B2 | 0 | D6 | 0 | A1 | 5 | D6 | 0 | D6 | 0 | D6 | | | | | | |
| 21 | Removed by company action (external linked) | nr | 0 | 0 | A1 | 0 | A1 | 2 | B2 | 0 | B2 | 0 | D6 | 0 | A1 | 0 | D6 | 0 | D6 | 0 | D6 | | | | | | |
| 22 | Removed because of better information | nr | 0 | 0 | A1 | 0 | A1 | 2 | B2 | 0 | B2 | 0 | D6 | 0 | A1 | 0 | D6 | 0 | D6 | 0 | D6 | | | | | | |
| 23 | Added because of better information (actually flooded) | nr | 0 | 16 | A1 | 7 | A1 | 9 | B2 | 14 | B2 | 10 | D6 | 6 | A1 | 5 | D6 | 5 | D6 | 10 | D6 | | | | | | |
| 24 | Added because of better information (modelled) | nr | 0 | 0 | A1 | 1 | A1 | 0 | B2 | 0 | B2 | 0 | D6 | 0 | A1 | 0 | D6 | 0 | D6 | 0 | D6 | | | | | | |
| 25 | Transferred from external to internal register | nr | 0 | 0 | A1 | 0 | A1 | 0 | B2 | 0 | B2 | 0 | D6 | 0 | A1 | 0 | D6 | 0 | D6 | 0 | D6 | | | | | | |

# Table 3a - Key Outputs – Sewerage Service – External Flooding

## Introduction

The processing of external flooding incidents has continued as it did in year 2022-23. The in-house resource devoted to this processing and analysis continues to be extremely limited. As a consequence, the process continues to be heavily dependent upon the accuracy of the information provided by the external maintenance contractor. Throughout the year, analysis of external flooding incidents is based upon monthly spreadsheets and Flooding Incident Report sheets, submitted by the external maintenance contractor. Each incident which is classified by the contractor as potentially 'hydraulic' – i.e. which does not have an 'other cause' identified - is subject to an investigation by the Asset Performance section. The investigation will either recommend that the incident is confirmed as hydraulic, or recommend that the incident is excluded.

Each incident is classified by the contractor as affecting one of curtilage, highways or 'other'. An analysis is carried out to define the total number of areas affected. Those incidents classified by the contractor as 'other causes' are defined, (by the contractor), as due to one of 'equipment failure', blockage or collapse.

## Lines 1-11 - Annual Flooding Summary

The analysis of external flooding incidents is summarised in the spreadsheet 'Reported External Flooding for 2023-24; the figures within Table 3a have been transferred from that spreadsheet.

The total number of 'overloaded sewers' incidents for the year 2023-24 was 11.

The total number of 'other causes' incidents has decreased from 2710 in 2022/23 to 2488 in 2023/2024.

As there is reliance upon the information supplied by the external contractor, a low confidence grade, of D6, continues to be attached.

## Line 8 – Areas which have flooded more than once in the last 10 years (other causes)

This line cannot be populated as the processing of external incidents has only been properly executed for nine years.

## Lines 12-25 - At Risk Register

The total number of areas, on the Register at the start of year 2023/24 was 347 However, a deep cleanse of the Register, in 2023, increased this to 348. (by re-assessment of duplicated incidents and cross referencing addresses)

The processing of external flooding incidents has continued as it did in year 2022/23, resulting in 10 areas being added to the Register, in assigned categories (2 in 10, 1 in 10, 1 in 20)

This brings the total number of areas on the Register to 358.

As the primary input to the register is the processing of annual flooding incidents, the same confidence grade (D6) is assigned.

NORTHERN IRELAND WATER - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 4 KEY OUTPUTS
CUSTOMER SERVICE - 1 (TOTAL)

| | DESCRIPTION | UNITS | DP | 1 REPORTING YEAR 2015-16 | CG | 2 REPORTING YEAR 2016-17 | CG | 3 REPORTING YEAR 2017-18 | CG | 4 REPORTING YEAR 2018-19 | CG | 5 REPORTING YEAR 2019-20 | CG | 6 REPORTING YEAR 2020-21 | CG | 7 REPORTING YEAR 2021-22 | CG | 8 REPORTING YEAR 2022-23 | CG | 9 REPORTING YEAR 2023-24 | CG | 10 REPORTING YEAR 2024-25 | CG | 11 REPORTING YEAR 2025-26 | CG | 12 REPORTING YEAR 2026-27 | CG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | DG6 RESPONSE TO BILLING CONTACTS - GENERAL | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Total billing contacts | nr | 0 | 75,490 | B2 | 77,698 | B2 | 71,409 | B2 | 77,016 | B2 | 53,942 | B2 | 42,975 | B2 | 45,138 | B2 | 45,697 | B2 | 45,884 | B2 | | | | | | |
| 2 | Number dealt with within 5 working days | nr | 0 | 75,462 | B2 | 77,679 | B2 | 71,386 | B2 | 77,010 | B2 | 53,928 | B2 | 42,968 | B2 | 45,126 | B2 | 45,686 | B2 | 45,855 | B2 | | | | | | |
| 3 | Number dealt with in more than 10 working days | nr | 0 | 11 | B2 | 4 | B2 | 5 | B2 | 3 | B2 | 4 | B2 | 4 | B2 | 4 | B2 | 2 | B2 | 6 | B2 | | | | | | |
| 4 | DG6 Percentage dealt with within 5 working days | % | 2 | 99.96 | B2 | 99.98 | B2 | 99.97 | B2 | 99.99 | B2 | 99.97 | B2 | 99.98 | B2 | 99.97 | B2 | 99.98 | B2 | 99.94 | B2 | | | | | | |
| 5 | Percentage dealt with in more than 10 working days | % | 2 | 0.01 | B2 | 0.01 | B2 | 0.01 | B2 | 0.00 | B2 | 0.01 | B2 | 0.01 | B2 | 0.01 | B2 | 0.00 | B2 | 0.01 | B2 | | | | | | |
| B | CONNECTED PROPERTIES | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Number of properties connected for water supply only | nr | 0 | 160,991 | A2 | 163,246 | A2 | | A2 | 165,152 | A2 | 165,133 | A2 | 165,435 | A2 | 166,389 | A2 | 167,343 | A2 | 170,922 | A2 | | | | | | |
| 7 | Number of properties connected for water and sewerage services | nr | 0 | 678,719 | A2 | 689,153 | A2 | 698,293 | A2 | 709,155 | A2 | 718,290 | A2 | 727,475 | A2 | 736,303 | A2 | 742,755 | A2 | 748,268 | A2 | | | | | | |
| 8 | Number of properties connected for sewerage services only | nr | 0 | 24 | A2 | 25 | A2 | 25 | A2 | 25 | A2 | 29 | A2 | 29 | A2 | 29 | A2 | 28 | A2 | 29 | A2 | | | | | | |

## Table 4 – Customer Service 1

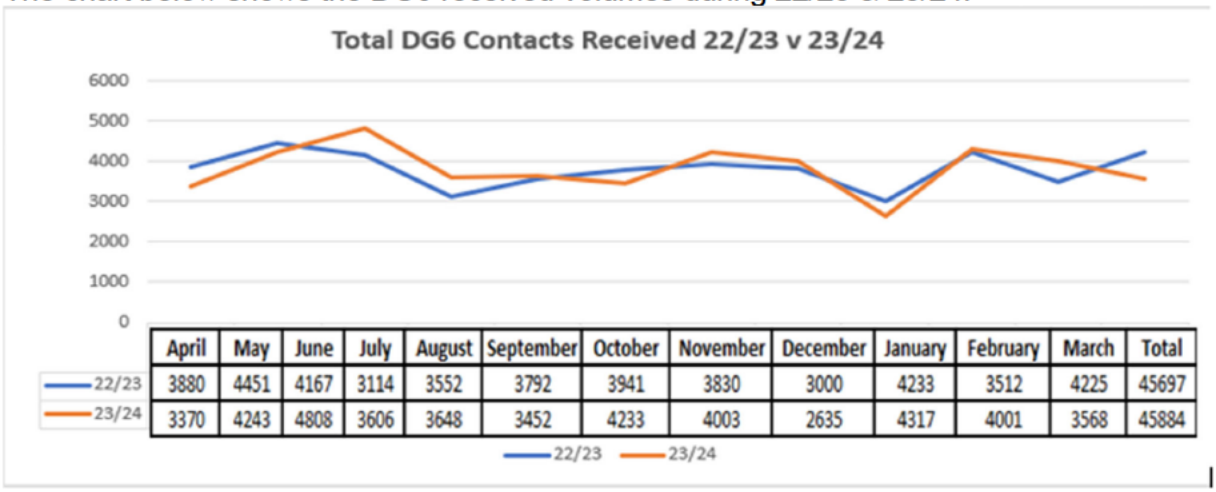
### Lines 1-5 - DG6 – Response to Billing Contacts

This was the seventeenth year of non-domestic billing by Northern Ireland Water (NIW). Following the decision of Northern Ireland Executive, domestic charges continued to be deferred for 2023/24 charging year.

As in previous years, with the exception of 2020/21, the planned, Utility Regulator approved tariff increase took effect from 1 April 2023. Although due to delays with the Land & Property Services (LPS) revaluation exercise, the issuing of annual unmeasured bills was deferred until May 2023.

In 2023/24 there was no change to our Debt Management and Customer Engagement Strategy.

The chart below shows the DG6 received volumes during 22/23 & 23/24.




| | April | May | June | July | August | September | October | November | December | January | February | March | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22/23 | 3880 | 4451 | 4167 | 3114 | 3552 | 3792 | 3941 | 3830 | 3000 | 4233 | 3512 | 4225 | 45697 |
| 23/24 | 3370 | 4243 | 4808 | 3606 | 3648 | 3452 | 4233 | 4003 | 2635 | 4317 | 4001 | 3568 | 45884 |

**Chart 1 – DG6 Billing Contacts Received 22/23 v 23/24**

The increased volume of contacts in Q1, in comparison to Q2-4, can be attributed to the annual bill run whereby unmeasured bills were issued at the beginning of May and measured customers received their Summary of Charges leaflet, notifying them of the tariffs for the forthcoming financial year. The increase in contacts in June 2023, compared to June 2022 reflects the month delay in unmeasured bills being issued.

### Top Reasons for Customer Contact

| Top 5 DG6 CMS | Volume | % | Rank |
|---|---|---|---|
| Debit / Credit Card Payment | 9634 | 21 | 1 |
| BI Request Copy Bill | 3630 | 8 | 2 |
| P Promise Of Payment | 2556 | 6 | 3 |
| BI Customer Move Out | 2063 | 4 | 4 |
| R Refund Request | 1933 | 4 | 5 |

**Table 1 – Top 5 DG6 contact types 2023/24**

Analysis of DG6 Received CMS Types in 22/23 against 23/24 highlights that Debit/Credit Card Payment was once again the top ranked CMS type for DG6 contacts. There was a negligible change in the volume received, less than 2% increase in 23/24 compared to 22/23.

The Copy Bill Request CMS type showed a 10% increase in volume in 23/24. Analysis of this CMS type shows a number of reasons for this increase including customer behaviour (multiple requests for the same bill within SLA, requests from multiple agents within an organisation and requests made via email & telephone on the same day) and issues with customers accessing TIF images upon receipt of emailed bills.

Customer Move Out saw an 8% increase in 2023/24, which could be attributed to the cost-of-living crisis and the increased number of closures of commercial premises.

Promise of Payment and Refund Requests fell by 28% & 17% respectively. The drop in Refund Request CMS codes can be attributed to the introduction of our new Managed Process CMS code, which is used to categorise those requests were customers have been prompted to contact us in order to process their refund.

A customer-centric and strategic account management approach to billing query resolution, collections activity and debt management has been maintained throughout the year.

Measures to continue to reduce the volume of customer billing contacts relating to payments include:

- on-going proactive promotion (via social media, text alerts, call scripts, customer correspondence, etc.) of the online Quick Pay facility as well as the NI Water Self Service portal

**Reporting Method**

The source data for DG6 Table 4 (Lines 1 to 5) is reported using the submitted methodology stated for DG6.

On the first working day of each month, the DG6 reports are run for both the current and previous months to accurately update received and closed figures on a retrospective basis to support the annual reconciliation. Variances are queried with NI Water Billing & Revenue, Contacts Team and Echo and resolved as they arise.

**Responses**

For DG6 reporting purposes, the date of resolution of the item or date of the substantive response/holding response is used as the closure date. If a customer has a billing-related query, which leads to a recalculated bill, the date of the response (verbal or written) explaining the reason for the bill is used as date and timestamp of the response. The recalculated bill is generated overnight and issued under separate cover.

Under normal circumstances, the follow up dates provided to customers for DG6 contacts is 20 working days (equating to one calendar month) from the date of the first holding response being issued. This period allows time for a site visit to be completed by a Meter Query Technician (MQT), the resolution confirmed and the final response issued to the customer. Some meter surveys may take longer, so this category of holding response is extended out to 30 days.

NB. The majority of DG6 contacts which cannot be resolved within 5 days require a site visit by an MQT. It is not unusual that the requirement for remedial meter maintenance work is identified during these site visits. The 20 day period should allow time for an initial site visit to be performed by a MQT, any routine meter maintenance work requested and completed, the resolution confirmed and the final response drafted and issued to the customer.

However, in certain circumstances, especially where a site visit is not required, a 20-day hold may not be required and a shorter period is given in the holding response.

### Re-categorisation between Regulatory Categories

NIW has procedures in place for instances where written contacts are changed from one DG category to another e.g. DG6 to DG7. The process document, **"Re-categorisation of written contacts"**, is embedded as Document 1 for reference purposes.

NIW_Re-categorisation of written conta

**Document 1 - Re-categorisation of written contacts**

Open contacts can be re-categorised using Rapid screen wccm11 (Contact Amendments), and closed contacts can be re-categorised using Rapid screen wccm91 (Close Date Maintenance).

There are a number of stages at which the categorisation of a billing contact can be reviewed after it has been scanned, logged and indexed.
Whilst not exhaustive, the main activities during which the categorisation of contacts is regularly checked are:

- Agent Review - it is the responsibility of the Agent to ensure that each contact they are handling is closed in line with reporting guidelines. On initial review, they should ensure that the contact has been correctly categorised in line with the DG/Contact definitions. If incorrect, it is their responsibility to ensure that the contact is updated on Rapid accordingly. If unsure, they should seek guidance from their line manager.
- The CSD Services MI & Data Team perform monthly sampling on 50 randomly selected closed DG6 Telephone and Written contacts. Any discrepancies found when carrying out the Telephone sampling are reported and escalated to Echo as part of NI Water's response to the Monthly Business Review Pack.
- Written sampling results are sent to the Contacts & Complaints & Executive Mail (C & C&EM) Team Managers (TMs) for review. It is the responsibility of the C & C&EM TMs to ensure that any agreed exceptions which require re-categorisation are retrospectively updated on Rapid.
- C & C&EM Coaching – TMs perform coaching using sampling of closed contacts. It is the responsibility of the TMs to ensure that any contacts identified through this process which require re-categorisation are updated on Rapid.

### Email

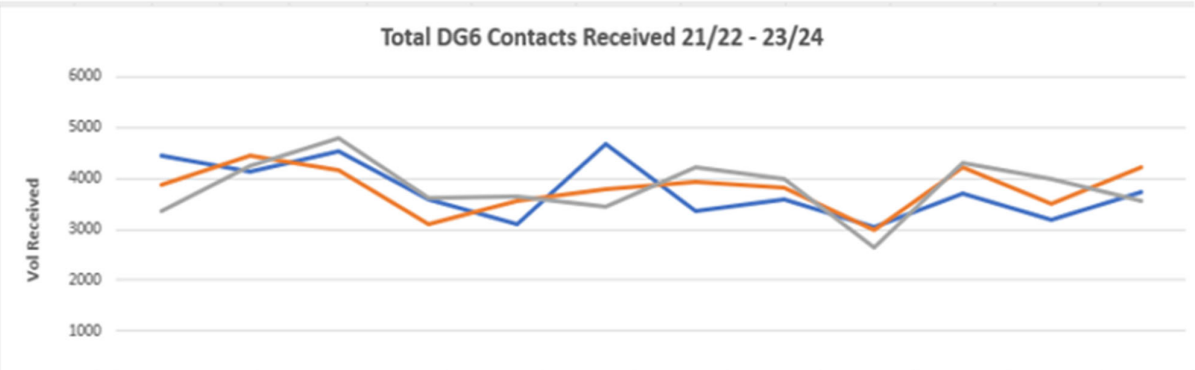
Systems remain in place to ensure that the receipt date of email contacts is recorded as the date it is delivered to the company with the following working day being recorded as Day 1.

### Payment Cards

NI Water does not issue payment cards to non-domestic customers.

### DG6 Volumes Year-on-year

DG6 received volumes from 2021/22 to 2023/24 displayed in Chart 2.




| | April | May | June | July | August | September | October | November | December | January | February | March | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21/22 | 4440 | 4148 | 4534 | 3602 | 3111 | 4671 | 3364 | 3592 | 3039 | 3716 | 3191 | 3730 | 45138 |
| 22/23 | 3880 | 4451 | 4167 | 3114 | 3552 | 3792 | 3941 | 3830 | 3000 | 4233 | 3512 | 4225 | 45697 |
| 23/24 | 3370 | 4243 | 4808 | 3606 | 3648 | 3452 | 4233 | 4003 | 2635 | 4317 | 4001 | 3568 | 45884 |

**Chart 2 - DG6 received 2021/22 to 2023/24**

The total received volume for 2023/24 is 45,884. This is an increase of 187 contacts, or 0.41% on the 2022/23 figures.

**End of Year (Contacts not dealt with at end of year)**

Based on data extracted on 20/05/24

- 10 DG6 contacts received during 23/24 remained open;
- The oldest open DG6 contact received during 23/24 is 45 working days;
- Of the 10 DG6 contacts still open, all have been open for more than 5 working days, each pending completion of agreed actions outlined in substantive holding responses as verified by a sample check of contacts still open at year end;

**Self Service Portal**

NIW has further enhanced its web-based services for customers. The services are aimed predominantly at non-domestic customers who have an account with NIW and make it easier for them to pay bills online and check their accounts. The service also allows domestic customers with septic tanks to order their tank to be 'de-sludged'.
Once registered, non-domestic customers are able to:

- view their account balance;
- view bills and payment history;
- pay a bill;
- manage their account details;
- manage multiple NIW accounts (inc. consolidated) on their Portal profile;
- invite other registered / approved users to access / view accounts;
- view / download historical consumption data;
- view desludging request history;
- process a new desludging request.

**Line 6 – Number of Properties Connected for Water Supply Only**

AIR23 figure – 167343
AIR24 figure – 170922

There has been a net increase of circa 5487 properties during the 23/24 year, which were connected for water only.

**Line 7 – Number of Properties Connected for Water and Sewerage Services**

AIR23 figure – 742755
AIR24 figure – 748268

There has been a net increase of circa 11965 properties connected for water and sewerage services during the 23/24 year – commentary detailed below.

**Line 8 - Number of Properties Connected for Sewerage Services Only**

AIR23 figure – 28
AIR24 figure – 29

As with Table 2, Table 3, Table 7 & Table 13 we have identified that properties can be added to/removed from the billing system via the methods below:-

1. New Connections during the 2023/24 reporting year. The figures are based on a report received from the Customer Connections Team. The figures are based on data supplied by our Customer Connections Team and represent completed connections during the reporting year. The projections for New Connections remain in line with the agreed PC21 forecasts, however we have noted a downturn and will review mid-year (during the draft Principal Statement) to ascertain if projections should be changed.
2. As a result of a customer contact. i.e., septic tank empty request, no water complaint, blocked sewer, updating of standing data e.g., removal of services etc. Within this category there are 2 scenarios:
    (a) The adding of properties NI Water allegedly did not know about
    (b) The adding of duplicates as the customer's address could not be found on Rapid. Rapid may hold the site number but when the customer contacts NI Water, they quote the verified postal address, which is different, therefore creating a duplicate. The street name may also have changed from the time of New Connection to that of customer contact (street names can change in the early stages of site development).
3. Removal/reclassification of properties as a result of data quality initiatives/projects
    a. Duplicate properties
    b. Reclassification of properties that were recorded in error
4. Change in occupancy status – movement from void/vacant to occupied and vice-versa.

For NI Water, accurate property data is fundamental for many systems and processes, including customer service, metering, billing, consumption, leakage and Major Incident Planning & Response. The Rapid Customer Contact System contains the master property data for NI Water.

As Data Owner for Property Standing Data, The Head of C&OD Services is responsible for the property standing data held by NI Water; this is monitored and managed through the Corporate Property Register (CPR) Project. The C&OD Business Services MI & Data Team chair this group.

The role of the CPR project is to agree a single consistent source of property data and to ensure that there is appropriate governance, controls and reporting for changes made to core data on the system. As Property Data Owners, we need to ensure the processes around creation, maintenance and demolition of properties are governed and appropriate control points and associated reporting are in place. Control is key for us; as such we have identified the systems, processes and people using property information across the

business, alongside confirming data accuracy and endeavouring to reduce the opportunities for erroneous data entry and creation (such as the inability to recreate demolished properties or duplicate properties).

The issues under consideration were identified as of corporate relevance, therefore, to ensure appropriate direction and governance the CPR was formalised. Key objectives include:

1. To agree a single consistent source of property data.
2. To ensure the source property data represents accurate, up-to-date information appropriate for use by the business.
    a. To understand and agree data primacy in respect of data updates from NI Water and external (Land & Property Services - LPS) sources.
    b. To ensure the processes around creation (i.e. New Connections), maintenance and demolition of properties are governed and appropriate control points and associated reporting are in place. i.e. through data validation.
    c. To co-ordinate property reconciliations between NI Water & external sources i.e. Data Sharing Agreements between NI Water & LPS, NI Water & Belfast City Council (BCC) etc and understand the reasons and validity of any differences.
    d. To understand and ensure the adequacy of long term procedures for database maintenance, including the updating of data standards and associated CDE M&M Plans.
3. To ensure the reporting requirements for the business are met relating to data held on Rapid, particularly, but not exclusively, in respect of tariffs, leakage, Annual Information Returns (AIR) & Principal Statement (PS) returns.
4. Challenge the data in the areas of
    a. Data categorisation & structure
    b. Data robustness – i.e. where is our data good and where is there opportunity for improvement? Identify projects that could aid improvement
    c. Data alignment – both internally and externally. Internally between systems such as Rapid, Ellipse, GIS, Diamond, Netbase, IMS etc. Externally through data reconciliations, such as LPS above.
5. To agree measures to improve the quality and integrity of the data, particularly the key CDEs as monitored by IMU.
6. To agree the content and frequency of reports required by NI Water.
7. To agree the quality checking criteria for the above data and reporting and develop a Quality Plan including the determination of responsibilities and audit trails.
8. To produce & circulate an ‘operate and maintain’ programme for property data to the business.

The focus for the CPR project remains the same, including analysis and action on:

- Creation of an agreed single consistent source of property information, running alongside the CBC3 timelines
- Volume of properties coming onto the Rapid billing system on a monthly basis
    - new connections
    - customer contact
    - project work
- Volume of properties coming off the Rapid billing system (demolished)
    - sample check to ensure reason for demolition has been noted and on system audit trail recorded
- Volume of properties amended on the Rapid billing system

    - In particular, address fields -> building number, street name, town and postcode
    - sampling to identify if the data changes are data improvement or data regression
    - if data regression, further analysis into the process is undertaken
- Review of access privileges
    - Rapid audit
    - Through monthly audit samples
    - Internal CRs require sign off from CPR team as BAU
    - Working with Echo to review access privileges on an ongoing basis
- Interruptions to supply notices – returned mail
    - This returned mail has been previously brought to the attention of LPS and include properties that LPS have classified as live properties despite being returned as ‘no such address’ etc
    - The 2 way communication with LPS will help underpin our governance work and provide direction to the business on practices

Annex A details the Line Methodology for the figures calculated in Table 4 Lines 6-8.

## Annex A – Line Methodology for Table 4 Lines 6-8

### Line 6: Number of Properties Connected for Water Supply Only

The total number of household and non-household properties connected to the water distribution system for water supply only, at the end of the AIR23 reporting year. This includes properties, which are connected but not billed (e.g. temporarily unoccupied), but excludes properties which have been permanently disconnected.

This figure is taken from the Rapid Property Summary for AIR24 and is displayed in the diagram below:

Therefore:-

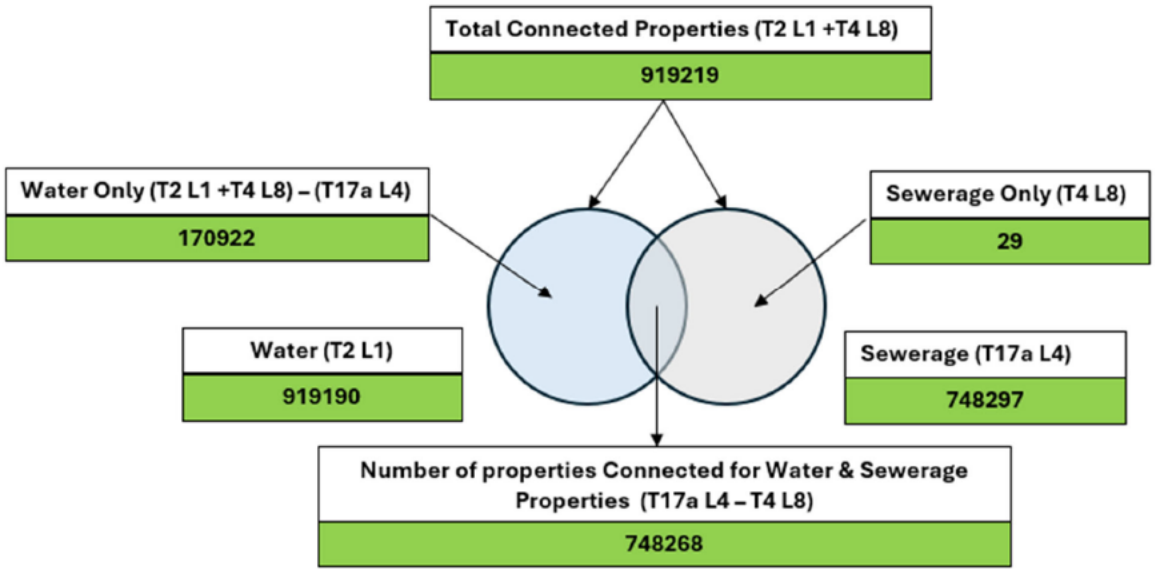
| | End March 2024 |
|---|---|
| Total Connected Properties (T2 L1 + T4 L8) | 919219 |
| *less* | |
| Total Connected Properties for Sewerage (T17a L4) | 748297 |
| **Total Connected for Water Only** | **170922** |

### Line 7: Number of Properties Connected for Water and Sewerage Services

The total number of household and non-household properties connected for both water and sewerage services at the end of the reporting year.

This includes properties which are connected but not billed (e.g. temporarily unoccupied) but excludes properties which have been permanently disconnected.

This figure is taken from the Rapid Property Summary for AIR24 and is displayed in the diagram below:



| | End March 2024 |
|---|---|
| **Number of Properties Connected for Water & Sewerage Services (T17a L4 - T4 L8)** | **748268** |

**Line 8: Number of Properties Connected for Sewerage Services Only**

The total number of household and non-household properties connected for sewerage services only at the end of the reporting year.

This includes properties, which are connected but not billed (e.g. temporarily unoccupied), but excludes properties which have been permanently disconnected.

This figure is taken from the Rapid Property Summary for AIR23.

| | End March 2023 |
|---|---|
| Domestic sewerage only | 10 |
| *plus* | |
| Non-domestic sewerage only | 19 |
| **Total Properties Connected for Sewerage Only** | **29** |

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 5 KEY OUTPUTS
CUSTOMER SERVICE - 2 (TOTAL)

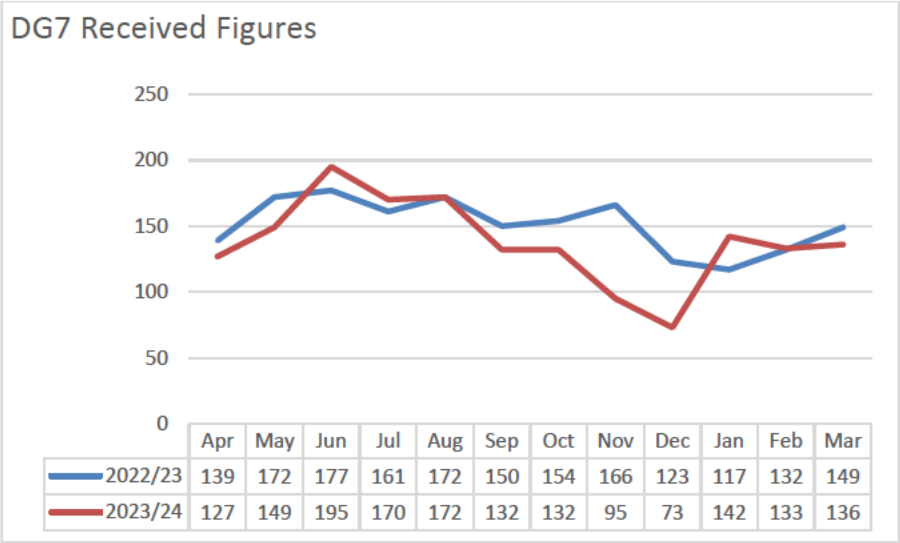
| | DESCRIPTION | UNITS | DP | 1 REPORTING YEAR 2015-16 | CG | 2 REPORTING YEAR 2016-17 | CG | 3 REPORTING YEAR 2017-18 | CG | 4 REPORTING YEAR 2018-19 | CG | 5 REPORTING YEAR 2019-20 | CG | 6 REPORTING YEAR 2020-21 | CG | 7 REPORTING YEAR 2021-22 | CG | 8 REPORTING YEAR 2022-23 | CG | 9 REPORTING YEAR 2023-24 | CG | 10 REPORTING YEAR 2024-25 | CG | 11 REPORTING YEAR 2025-26 | CG | 12 REPORTING YEAR 2026-27 | CG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A** | **DG7 RESPONSE TO WRITTEN COMPLAINTS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Total written complaints | nr | 0 | 2,269 | B2 | 2,375 | B2 | 2,274 | B2 | 2,133 | B2 | 1,958 | B2 | 1,885 | B2 | 1,954 | B2 | 1,812 | B2 | 1,656 | B2 | | | | | | |
| 2 | Number dealt with within 10 working days | nr | 0 | 2,266 | B2 | 2,375 | B2 | 2,271 | B2 | 2,133 | B2 | 1,957 | B2 | 1,883 | B2 | 1,954 | B2 | 1,812 | B2 | 1,656 | B2 | | | | | | |
| 3 | Percentage dealt with within 10 working days | % | 2 | 99.87 | A1 | 100.00 | A1 | 99.87 | B2 | 100.00 | B2 | 99.95 | B2 | 99.89 | B2 | 100.00 | B2 | 100.00 | B2 | 100.00 | B2 | | | | | | |
| 4 | Number dealt with in more than 20 working days | nr | 0 | 2 | B2 | 0 | B2 | 3 | B2 | 0 | B2 | 0 | B2 | 1 | B2 | 0 | B2 | 0 | B2 | 0 | B2 | | | | | | |
| 5 | Percentage dealt with in more than 20 working days | % | 2 | 0.09 | A1 | 0.00 | A1 | 0.13 | B2 | 0.00 | B2 | 0.00 | B2 | 0.05 | B2 | 0.00 | B2 | 0.00 | B2 | 0.00 | B2 | | | | | | |
| **B** | **DG8 BILLS FOR METERED CUSTOMERS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Total metered accounts | nr | 0 | 123,763 | A1 | 127,807 | A1 | 128,705 | A1 | 129,387 | A1 | 130,375 | A1 | 130,887 | A1 | 131,590 | A1 | 132,279 | A1 | 132,927 | A1 | | | | | | |
| 7 | Metered accounts excluded from indicator | nr | 0 | 55,875 | A1 | 59,428 | A1 | 60,060 | A1 | 60,542 | A1 | 61,091 | A1 | 61,137 | A1 | 61,100 | A1 | 61,539 | A1 | 62,314 | A1 | | | | | | |
| | **(I) NO. OF CUSTOMERS WITH METERED ACCOUNTS RECEIVING AT LEAST ONE BILL DURING YEAR BASED ON METER READING:** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Company readings | nr | 0 | 67,319 | A1 | 68,025 | A1 | 68,400 | A1 | 68,603 | A1 | 68,938 | A1 | 69,147 | A1 | 70,246 | A1 | 70,569 | A1 | 70,458 | A1 | | | | | | |
| 9 | Company or customer readings (or both) | nr | 0 | 67,366 | A1 | 68,051 | A1 | 68,420 | A1 | 68,621 | A1 | 68,958 | A1 | 69,206 | A1 | 70,253 | A1 | 70,574 | A1 | 70,461 | A1 | | | | | | |
| | **(ii) NUMBER OF CUSTOMERS WITH METERED ACCOUNTS RECEIVING:** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | Estimated bills only | nr | 0 | 426 | A1 | 270 | A1 | 184 | A1 | 203 | A1 | 295 | A1 | 371 | A1 | 196 | A1 | 126 | A1 | 91 | A1 | | | | | | |
| 11 | No bills received during the report year | nr | 0 | 96 | A1 | 58 | A1 | 41 | A1 | 72 | A1 | 31 | A1 | 173 | A1 | 41 | A1 | 40 | A1 | 61 | A1 | | | | | | |
| 12 | Unread by company for 2 years | nr | 0 | 207 | A1 | 173 | A1 | 90 | A1 | 21 | A1 | 58 | A1 | 65 | A1 | 88 | A1 | 53 | A1 | 48 | A1 | | | | | | |
| **C** | **DG9 TELEPHONE CONTACT** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | Total calls received on customer contact lines | nr | 0 | 210,487 | A2 | 217,023 | A2 | 212,095 | A2 | 215,011 | A2 | 197,184 | A2 | 188,658 | A2 | 190,719 | A2 | 175,475 | A2 | 169,023 | A2 | | | | | | |
| 14 | All lines busy | nr | 0 | 159 | A2 | 63 | A2 | 18 | A2 | 29 | A2 | 44 | A2 | 76 | A2 | 30 | A2 | 0 | A2 | 0 | A2 | | | | | | |
| 15 | Total of calls not abandoned | nr | 0 | 209,284 | A2 | 216,015 | A2 | 211,061 | A2 | 213,835 | A2 | 196,289 | A2 | 184,198 | A2 | 184,024 | A2 | 166,814 | A2 | 159,478 | A2 | | | | | | |
| 16 | Call Handling Satisfaction - not used | nr | 2 | 4.59 | A1 | | | | | | | | | | | | | | | | | | | | | | |
| 17 | Total telephone complaints | nr | 0 | 61,316 | A2 | 62,866 | A2 | 57,940 | A2 | 59,686 | A2 | 53,210 | A2 | 56,852 | A2 | 44,799 | A2 | 34,198 | A2 | 32,293 | A2 | | | | | | |
| **D** | **SPECIAL ASSISTANCE REGISTER** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | Customers on the special assistance register | nr | 0 | 3,163 | A2 | 2,017 | A1 | 2,096 | A1 | 2,201 | A2 | 2,246 | A2 | 2,476 | A2 | 2,694 | A2 | 2,822 | A2 | 2,798 | A2 | | | | | | |
| **E** | **CUSTOMER SATISFACTION MEASURES** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | Total contacts | nr | 0 | | | 257,866 | A2 | 250,753 | A2 | 252,844 | A2 | 190,729 | A2 | 182,029 | A2 | 201,170 | A2 | 192,044 | A2 | 199,029 | A2 | | | | | | |
| 20 | Unwanted contacts | nr | 0 | | | 110,197 | A2 | 105,964 | A2 | 75,569 | A2 | 67,013 | A2 | 70,204 | A2 | 66,064 | A2 | 57,327 | A2 | 50,400 | A2 | | | | | | |
| 21 | Unwanted contacts as a % of total contacts | % | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | First Point of Contact Resolved (FPOCR) | % | 1 | | | 66.5 | A2 | 65.8 | A2 | 90.0 | A2 | 90.4 | A2 | 90.4 | A2 | 84.0 | A2 | 84.0 | A2 | 86.0 | A2 | | | | | | |
| 23 | Customer advocacy measure | nr | 0 | | | 27 | A1 | 31 | A1 | 32 | A1 | 42 | A1 | 42 | A1 | 32 | A1 | 36 | A1 | 46 | A1 | | | | | | |
| 24 | Omnibus survey question 1 | nr | 1 | | | 80.3 | A1 | 92.4 | A1 | 81.6 | A1 | 71.7 | A1 | 80.7 | A1 | 79.2 | A1 | 73.7 | A1 | 73.7 | A1 | | | | | | |
| 25 | Omnibus survey question 2 | nr | 1 | | | 11.2 | A1 | 8.2 | A1 | 8.3 | A1 | 7.6 | A1 | 7.4 | A1 | 7.5 | A1 | 7.5 | A1 | 7.4 | A1 | | | | | | |

## Table 5 – Customer Service 2

### Lines 1-5 - DG7 Response to Written Complaints

### DG7 Received Volumes

The chart below shows the DG7 received volumes during 22/23 and 23/24.




The chart shows a decrease in the overall volume of written complaints received in 23/24 compared to the previous year; 1,656 in total received in 23/24 compared with a total of 1,812 received in the previous reporting period. This represents an 8.61% reduction.

When comparing with average monthly received figures based on the data for the past 3 years, received volumes in 23/24 were above average in only 2 of the 12 months; June and August.

| | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21/22 | 147 | 155 | 185 | 208 | 167 | 157 | 141 | 125 | 158 | 180 | 165 | 166 |
| 22/23 | 139 | 172 | 177 | 161 | 172 | 150 | 154 | 166 | 123 | 117 | 132 | 149 |
| 23/24 | 127 | 149 | 195 | 170 | 172 | 132 | 132 | 95 | 73 | 142 | 133 | 136 |
| Average | 138 | 159 | 186 | 180 | 170 | 146 | 142 | 129 | 118 | 146 | 143 | 150 |

Neither of the 'above-average monthly volumes' were statistically significant; in June there was only an increase of 9 and in August an increase of 2, compared to the 3-year average. While there was only a minimal increase, the most notable increase in volumes was experienced in June 2023. Analysis of written complaints received found an increase in Charges & Billing related complaints which would be attributed to the annual unmeasured bill run and also a slight increase in sewer related complaints, due to the extreme dry weather in May, followed by wetter weather in June which resulted in an increase in blockages and flooding.

As in previous years, the number of written complaints in the Charges & Billing category was highest, representing 43% of the total received across the reporting period. This represents an 4% increase compared with 22/23, when the figure was 39%.

As is typical, the complaints in the Charges & Billing category this reporting period stem from a variety of reasons, some of which are summarised below:

- 193 complaints were recorded as being from customers disputing liability for charges.
- 138 complaints were recorded as being about leakage allowances or high consumption.
- 108 complains were recorded as being from customers requesting an explanation of calculation.

**End of Year (Contacts not dealt with at end of year)**

Based on data extracted on 30th May 2024, no DG7 contacts received during 23/24 remained open.

**Petitions**

No DG7 contacts were received which could be described as petitions.

**CCNI Written Complaints Assessment**

The 9th formal CCNI Written Complaints Assessment process commenced in March 2024. This independent review seeks to identify recommendations for improved complaint handling. Results and any recommendations from this assessment will be agreed in Q2 of 24/25.

**E-mail and Faxes**

Systems remained in place to ensure that the receipt date of email/fax contacts is recorded as the date they are delivered to the company, with the following working day being recorded as Day 1.

1,522, or 91.91%, of the total DG7 received volume were recorded with a document type of “email”.

No DG7 contacts were recorded as having a document type of “fax”.

**Self-Service Portal**

The “Contact Us” section of the online Self Service Portal allows customers to submit complaints on completion of an online form.

The resulting complaints are received as emails and reported as such. The link as is below: https://digitalservices.niwater.com/contact-form#Complaint

**Complaints about HVCH**

There were no written complaints recorded as being related to the High Volume Call Handling system.

**NI Direct**

There were no written complaints received through NI Direct in respect to the company’s call centre or field staff responses to flooding incidents.

**Telephone Complaints**

Complaints received via telephone are reported as DG9 telephone complaints, not DG7. Billing telephone complaints are reported as DG6.

**Date of Receipt**

Written complaints are date-stamped as per the date of receipt.

**Date of Dispatch**

The date of dispatch refers to the date on which a response is sent to the customer. The date of dispatch is recorded as the date closed.

**Response Time**

This is the number of working days between receipt of a contact by Northern Ireland Water up to and including the day of dispatch of a response. For the purpose of this calculation, the day of receipt (provided it is a working day) is counted as day zero and the next working day as day one.

When an email or fax is received after 16:00 it would typically have been scanned, logged and indexed on the next working day.

The reported date of receipt for emails/faxes received outside of normal operating hours is the actual date on which the complaint was delivered to the company. For example, if an email is received on a Saturday, this is recorded as day zero. The next working day (normally the Monday) would be counted as day one. If an email is received on a Sunday, then this is recorded as date of receipt (day zero) and (normally) Monday as day one.

**Substantive Holding Reply**

This is defined as a response to a written complaint which advises the customer that Northern Ireland Water needs to undertake additional investigations or other actions before being able to provide a full response. A holding response is considered substantive if it advises the customer what further action needs to be taken in order to fully respond, when this will be done and when they will receive a further communication from Northern Ireland Water.

Complaints remain open until all actions have been completed but will be closed back to the date of the holding response for reporting purposes when said actions have been completed.

When a date by which investigations or further actions will be complete cannot be given, we will give the date by which we will contact the customer again. Holding responses can be issued in writing or provided verbally by telephone.

**Repeat Contact**

Where a complaint has been responded to and results in a period of correspondence each written contact is treated as, and reported as, a separate complaint.

No complaints have been excluded from DG7 where Northern Ireland Water consider the complaint has been dealt with as far as they we able.

**Consumer Council for Northern Ireland (CCNI)**

Complaints received in writing via CCNI will be logged as complaints and recorded in DG7 figures. All complaints from CCNI are received in writing by email.

CCNI enquiries and follow-up questions are not recorded as complaints.

**Changes to original categorisation**

Open contacts can be re-categorised using RapidXtra screen wccm11 (Contact Amendments) and closed contacts can be re-categorised using RapidXtra screen wccm91 (Contact Date Maintenance).

There are a number of stages at which the categorisation of a written contact can be reviewed after it has been scanned, logged & indexed.

Whilst not exhaustive, the main activities during which the categorisation of contacts is regularly checked are:

- Customer Service Officer Review - it is the responsibility of the Customer Service Officer in the Complaints & Executive Mail Team to ensure that each written contact they are handling is closed in line with reporting guidelines. On initial review, they should ensure that the contact has been correctly categorised in line with the DG/Contact definitions. If incorrect, it is their responsibility to ensure that the contact is updated on RapidXtra accordingly. If unsure, they should seek guidance from their line manager.
- Line Management checks – the Complaints & Executive Mail Team Manager & Supervisor perform coaching using sampling of closed contacts. It is the responsibility of the Complaints & Executive Mail Team Manager & Supervisor to ensure that any contacts identified through this process which require re-categorisation are updated on RapidXtra.

**Exclusions**

3 written customer complaints were excluded from DG7 reporting during 23/24. The reason for the exclusions is because the complaints related to activities of other utilities, which is in line with the Level of Service Methodology.

**Confidence Grades**

The confidence grades assigned to lines 1-5, as shown below, remain the same as those assigned to the 22/23 performance figures.

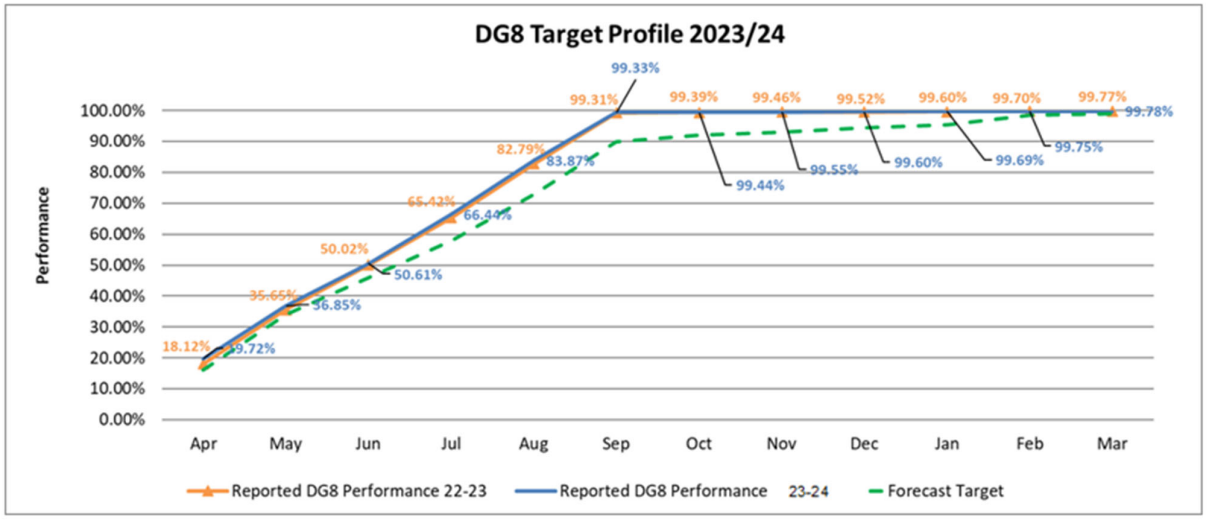
| | | |
|---|---|---|
| 1 | Total written complaints | B2 |
| 2 | Number dealt with within 10 working days | B2 |
| 3 | Percentage dealt with within 10 working days | B2 |
| 4 | Number dealt with in more than 20 working days | B2 |
| 5 | Percentage dealt with in more than 20 working days | B2 |

**Lines 6-12 DG8 – Bills for metered customers**

99.78% of meters were read and billed based on an ‘actual’ meter read during 23/24, exceeding the performance (99.77%) achieved in 22/23, and the highest DG8 performance by NIW to date.

The target for 24/25 remains at 99.00%.

**DG8 Meters Read and Billed Performance (%)**




The graph detailed above provides a monthly profile of the cumulative increase in DG8 reads throughout the course of 23/24. The monthly performance is based on actual meter reads out of the total meter stock base.

NIW achieved a read performance in the first 6 months of the year of 99.40% of meters being read and billed, the third year in a row this had been achieved and the highest performance for the first six months of the year. NIW continually manages and monitors the performance throughout the year to achieve these results, this is done through:

- Proactive engagement with customers to obtain access to properties to enable the meter to be read.
- Proactive management of meter maintenance programme to ensure meters where a read could not be obtained were prioritised.
- Proactive identification of in month new meter uploads which are required to be read and billed.
- Skipped meters were proactively investigated to resolve outstanding issues.
- Proactive case management of historical skipped meters to resolve complex skips.

NIW has continued to roll-out AMR meters as standard on all new meter installations and replacement jobs. The number of AMR meters increased by over 11,000 in the 2023/24 year largely due to the proactive replacements completed by NIW Field staff. NIW now has circa 30,000 AMR meters installed in the ground. These meters carry significant benefits over dumb meters:

- Helping to reduce Health and Safety risks with reading meters.
- Reducing skips from access issues as meters can be read without the need to enter the property.
- Allow drive-by reading to improve read efficiency.
- Capture and store 30min consumption data for up to 6 months, which can help with resolving customer disputes.

NIW has completed its two year SMART meter and Network trial with a Key Account Customer. The trial enabled NIW to explore several technologies identifying the strengths and weaknesses of each, whilst also enabling NIW to better understand the costs of rolling out SMART metering. This trial has helped NIW to identify suitable technologies for future SMART metering roll outs.

In the 23/24 year, the metering team have also worked alongside the Networks Water team as part of their SMART networks trial aimed at capturing live information from a specific DMA (Boucher Road). To capture the meter data for this trial NIW are utilising technology which proved successful as part of our previous SMART metering trial (Wize), it is hoped that this trial will go live in the first half of the 24/25 year.

NIW continues engagement with suppliers and the industry to further understand what future technology trends are emerging and how NIW can avail of them within the budgetary constraints.

In the 23/24 year, NIW completed the retender process for the supply of water meters, this tender was awarded to Diehl meterings and ensures that NIW have sufficient technological scope to complete further SMART meter roll outs in the future whilst also enabling NIW to continue its accelerated AMR rollout programme.

The 23/24 year has seen some strong results, the highest DG8 performance to date, and accelerated AMR replacement programme by NIW Field staff and the SMART networks trials alongside Networks Water. The year has also had its challenges, staffing resources continue with staff exiting the business leading to some extended periods with vacancies. Global supply chain issues remain which has also meant that NIW have had to closely manage and monitor stock to ensure sufficient stock has been available for all the work programmes being undertaken, and NIW have had to increase the volume of meters, they carry in stock to mitigate supply chain issues.

**Billing Policy**

Frequency of Bill Issue:

- Household properties – the Company do not bill household meters at present.
- Non-household – the Company aim to read twice a year and bill twice yearly.
- Large non-household users – the Company aim to read and bill monthly.

**Customer Reads**

The Company encourages our customers to take readings themselves so that they are aware of their usage. The company continues to insert a message on bills and recovery envelopes to remind customers of the importance of checking consumption by regular meter reading where possible. Customer reads can be submitted for billing purposes by using the Self-serve on-line facility available on our website, email or by calling our billing line.

**Exclusions**

Based on data extracted on 31st March 2024 from RapidXtra:

- 62,314 Meters were excluded in 23/24.

The company can exclude any unusual accounts or unusual circumstances that complicate the measure. The following are excluded from the indicators:

- Charged on another basis (not metered consumption)
- Retain for Review meters
- Trade-effluent meters
- DRD or NIW meters
- Fire supplies
- Properties occupied continuously for less than six months
- Complex accounts – Including combination meters i.e. the ‘low-flow’ element is excluded.

- Void properties

The table below illustrates the numerical breakdown and reason for Meters Excluded in 23/24:

| Reason for Exclusion | Count of Exclusions | % of total Exclusions |
|---|---|---|
| Charged on another basis | 59,156 | 94.93% |
| New Property | 231 | 0.37% |
| Occupied < 181 consecutive days | 103 | 0.17% |
| Void Property/No Occupier | 2,824 | 4.53% |
| **Grand Total** | **62,314** | **100.00%** |

For 23/24 the total meters excluded has increased by 775 compared to the total exclusion reported in 22/23.

**Confidence Grades**
The confidence grade is assigned based on methodology used to extract and report the DG8 performance. The information is extracted and summarised from RapidXtra via automated system reports. The 'DG8 Summary Report' does not require any manual manipulation. RapidXtra automatically categories each account based on its status using the most current and up to date data.

The confidence grades assigned to lines 6-12, as shown below, remain the same as those assigned to the 2019/20 performance figures:

| | | |
|---|---|---|
| 6 | Total Meter Accounts | A1 |
| 7 | Metered accounts excluded from indicator | A1 |
| 8 | Company readings | A1 |
| 9 | Company or customer readings (or both) | A1 |
| 10 | Estimated bills only | A1 |
| 11 | No bills received during the report year | A1 |
| 12 | Unread by company for 2 years | A1 |

**Lines 13 – 17- DG9 Telephone Contact**

**DG9 Introduction**

During the reporting year a total of 169,023 calls were made to the Public Advertised Company telephone numbers.

Call volumes for 2023/24 were 6,452 lower than the previous reporting year 2022/23 (175,475), with July (9,515) receiving the lowest call volumes YTD. There are a few reasons for the reduction in call volumes from 2022/23 to 2023/24:

- There were no Category One major incidents this year, these tend to cause a large volume of contacts when they occur.
- Contact channel shift to webchat has increased significantly;
- Customer journey reviews and system improvements untaken during the year.
- Septic Tank & Switchboard IVR deemed not fit for purpose and were switched off August 2023.

HVCA has been renamed HVCH (High Volume Call Handling) from September 2019 due to a new company providing the system.

The deployment of a High Volume Call Handling (HVCH) solution in NI Water is unique in the water industry, providing an enhanced customer experience and improved incident management when compared to other water companies in UK and on a par with other utilities in Northern Ireland i.e. NIE Networks. HVCH was available to handle overflow calls for customers reporting faults on the Waterline.

The HVCH system is presented in Agent First Mode, with the exception of 'No Water' calls which have been set to HVCH first since September 2020. The caller is presented with the menu selection and depending on the option selected and if a CRC agent available, passed to a CRC call Agent. If no Agents are available then the caller will enter into the HVCH call routing plan to have their issue logged. All CCR customers will go straight to Warm Voice (Agent First) and will not be directed through HVCH.

**IVR Platform**

An IVR platform was introduced to provide customers with another channel of choice, the IVR platform is available 24/7 and supports the reduction of warm voice calls into the Customer Relation Centre.

IVR is a technology that automates and simplifies interactions with incoming customer calls. In doing this, IVR provides a conversation, which can be either pre-recorded or generated audio that assists, directs, and/or guides customers automatically without the need to talk to an agent. Within these interactions customers are able to communicate by using either the dial pad or speech recognition.

- The only area currently serviced by IVR is Billing & Debt Line.

The IVR platform is not set to Agent first which means all calls will hit the Virgin switch first and then be directed to the IVR platform. If completed successfully on the IVR, the call will never hit the Avaya switch and will not be reported in Avaya CMS. The Billing & Debt line IVR is linked to the Billing Enquiry and will be reported using the CIRRUS Voice platform.

The Billing IVR and the Septic Tank IVR call volumes are contained in the table below. There has been little success with the voice recognition software deployed on the IVR Switchboard and as a result it has been turned off since 31st August 2022. This was also the case for Septic Tank IVR calls which were turned off in August 2023.
These calls are now on 'Agent First' mode and are directed to warm voice. The figures in the table represent the calls received from 1st April 2023 to 31st August 2024.

| IVR Calls | FY23/24 |
|---|---|
| IVR - Septic Tank | 514 |
| IVR - Billing | 9,312 |

**Line 14 - All Lines Busy**

There were 0 instances of 'All lines busy' during the reporting year 2023/24. This stayed the same as in 22/23.

NI Water followed government guidance to work from home where they could during the pandemic. Call centre agents were also working from home, as a result changes where made to call routing and the Cirrus Platform was used to report on telephony as Call Media

was not compatiable. From the 1st September 2022 calls have been routed through the Avaya Telephony Platform and Avaya CMS have been used for reporting.

**Lines 15 – Calls Abandoned**

There were 9,545 calls abandoned on the Cirrus and Avaya CMS systems during the year leading to a reportable Company performance of 94.35% of 'calls not abandoned'. NI Water enhanced their Social Media offerings from 8am to 11pm 7 days a week from Nov-21 and introduced webchat as an alternative channel of choice for customers (8am to 11pm 7 days a week). To facilitate this additional offerings the 'calls not abandoned' contractual KPI was reduced to 95%.

All calls abandoned on HVCH are now classified as answered due to agreement with the Regulator and CCNI. However, for monthly Business and annual Regulatory reporting purposes all calls handled by HVCH continue to be analysed and reported as answered or abandoned using the agreed hang up location methodology.

NI Water is able to classify each hang up location as either 'answered' if the caller has reached a point in the call flow at which they can hear a salient message or 'abandoned' as HVCH has 226 distinct hang up locations allowing for detailed analysis of where the customer call ended and what messages the customer was presented with.

**Line 17 - Telephone Complaints**

Telephone complaints cover any telephone call from a customer or a customer's representative (e.g. Citizens Advice Bureau, solicitor) alleging that an action or inaction of the Company, or a service or lack of service provided by NI Water or agent/contractor has fallen below his/her expectation.

General statements of complaint are also counted. Customers may complain unfairly or unjustifiably; nevertheless, such calls are classed as complaints. Some complaints may be frivolous or vexatious, nevertheless these are reported.

As a general policy, the Company records telephone calls about the following water service issues as complaints: no water, lack of pressure, leaks, taste and odour, discoloration and hard water (except for simple enquires e.g. dishwater settings). Telephone calls about the following wastewater services are also recorded as complaints: sewer flooding other than those received through NI Direct/blockages, collapsed sewers/manholes, smells from sewage treatment works/pumping stations and flies from sewage treatment works.

Telephone complaint volumes decreased to 32,293 compared to 34,198 received during 2022/23 reporting period. As per Line 13 – 17 DG9 Telephone Contact overall call volumes have reduced in 2023/24 which could lead to a reduction in the number of telephone complaints.

**Line 18 – Customers on the Customer Care Register**

The Customer Care Register offers a range of free additional services to customers who are older, have a disability, a serious medical condition or require extra help when experiencing an interruption to their water supply.

A bespoke Power BI report has been created in conjunction with NI Water code of Practice - "Priority Services for Domestic Services" to report on CCR Customers. The report has been created with predefined filters to only return customers registered against the special needs listed below:

| Special Needs Code | Need Description |
|---|---|
| 01 | Require Braille - Blind/partially sighted |
| 02 | Require Audio - Blind/partially sighted |
| 03 | Deaf |
| 04 | Vocally Impaired |
| 06 | Large Print Bill - Learning/Reading difficulties |
| 07 | Dialysis patient |
| 08 | Vulnerable |
| 11 | Nursing Home |

Customers who are registered for multiple medical conditions will only be reported on once, except for when the customer is a Nursing Home or Hospice.

At the end of 2023/24 reporting year 2,798 properties were registered on the Customer Care Register, this has decreased slightly compared to the reported 2,822 for 2022/23.

Echo currently carry out a twice yearly review and contact with CCR customers. The first contact is by telephone which commences over the summer months. This call is a courtesy call and allows Echo to reconfirm contact details.

The second contact is the annual Newsletter (embedded below) which is sent out to all CCR Customers in November. The annual Newsletter reminds customers of the service available and other useful telephone numbers such as NIE Networks, Quick Check 101 etc. It also advises of the expectation of the delivery of bottled water on preparation for Winter. It is worth noting that requests to be added or removed from the register can be received following the distribution of this newletter.

CCR letter Nov 2022v1.0FACTSHEET.

Customers will only be removed from the CCR register on the request of the customer or family member.

**Customer Satisfaction Measures**

**Lines 19 to 25 – Total Contacts and Unwanted Contacts**

**Line 19 – Total Contacts**

Total contacts refers to the number of Telephone (Billing) and Operational telephone contacts the company has received from customers during the reporting year 2023/24. During the reporting year telephone contacts where received. The figure is obtained from the All Received CorVu report and is calculated using the Original CMS contacts logged within Rapid.

**Line 20 – Unwanted Contacts**

During the reporting year 2023/24 a total of 50,400 unwanted contacts were received. The target for 23/24 was 65,200 unwanted contacts which has been met.

An unwanted contact is a contact received from a customer that is ‘unwanted’ from the customer’s point of view. This includes a contact about an event or action that has caused

the customer unnecessary aggravation (however mild). This is determined by the subject matter of the contact.

The table below illustrates the breakdown of unwanted contacts across the 2023/24 financial year:

| Month | Unwanted Contacts |
|---|---|
| Apr | 4,603 |
| May | 5,202 |
| Jun | 3,438 |
| Jul | 4,893 |
| Aug | 4,061 |
| Sep | 4,197 |
| Oct | 4,150 |
| Nov | 3,596 |
| Dec | 4,438 |
| Jan | 4,147 |
| Feb | 3,757 |
| Mar | 4,603 |
| **Grand Total** | **50,400** |

Based on the total unwanted telephone contacts received by the company, 20,436 (41%) are relating to Sewerage Services and 24,360 (48%) are relating to Water Services.

The top Sewerage Service unwanted contact for 2023/24 is *'Blocked Sewer Inc Cleanup & Disinfect',* with a total of 11,048 (21.9%) of unwanted customer contacts.

The top Water Service unwanted contact for 2023/24 is '*No Water Complaint',* with a total of 13,686 (27.2%) of unwanted customer contacts.

There is a reduction in Unwanted Telephone Contacts from AIR 23 due to AIR 24 being a relatively quiet year in terms of incidents.

Unwanted + FPOCR algorithms.d

The correct logging of Wanted and Unwanted contacts is monitored monthly via varying call audits. These include contractual call quality checks, carried out by NI Water's Contracts Team, call calibration sessions hosted by the Customer Experience Team, ad hoc call listening by both the Meter and Billing as well as the Customer Experience teams, and additional call checks carried out by an external consultant employed by NI Water.

From the 2023/24 sample, 3 anomalies were identified where incorrect CMS codes were used to log the calls.

**Line 22 – First Point of Contact**

During the reporting year the First Point of Contact resolution (FPOCR) was 86% which meets the target for 23/24 which was 84%. This score has increased by 2% compared to 2022/23. In PC21 the window for FPOCR increased from 90 days to 180 days, meaning there was double the amount of time for a repeat contact to be recorded.

The table below illustrates the breakdown of FPOCR by month across the 2023/24 Financial Year.

| Month | First Point of Contact Resolution (FPOCR) |
|---|---|
| Apr | 85% |
| May | 84% |
| Jun | 85% |
| Jul | 85% |
| Aug | 85% |
| Sep | 85% |
| Oct | 87% |
| Nov | 87% |
| Dec | 88% |
| Jan | 88% |
| Feb | 87% |
| Mar | 86% |
| **Average** | **86%** |

When a contact requires an action and this action is completed and there has been no other contact from the same property on the same issue within a 180 day period (90 days before or 90 days after) then it shall be counted as 'First Point of Contact Resolution'.

First point of contact resolution is reported as a percentage of contacts resolved at FPOC against the number of issues.

Unwanted + FPOCR algorithms.d

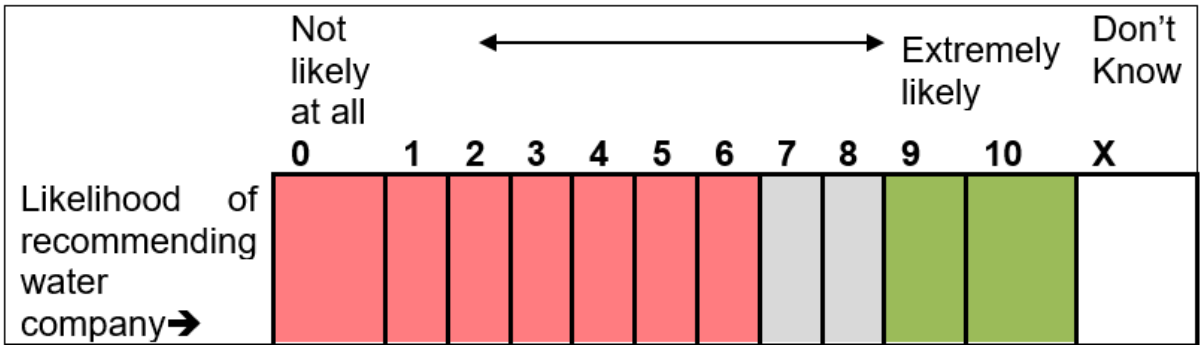
**Line 23 – Customer Advocacy measure**

Customer advocacy is an annual satisfaction score which is assessed by Northern Ireland Water's Voice of the Customer service in which surveys are conducted by Watermelon, an independent Customer Experience and Insights specialist.

The objective of the surveys is to capture the views of those customers who have had dealings with the company, not only through the main contact centre but to any part of the business.

Customers are asked "*Based on your recent experience with us, how likely are you to recommend NI Water? Please respond 0 for very unlikely up to 10 for very likely*".

The score is calculated using Net Promoter Score methodology based on results from the previous question.




**Customer Advocacy is calculated: Promoter % - Detractor %**

NPS Calculation document embedded below:

Net Promoter Score Algorithm.docx

The survey is based on resolved contacts (identified by either completed Work Orders, or issues which could be resolved at the time of contact and logged accordingly). It encompasses customers contacting us from all available channels (telephone, written, online) in relation to all functional areas of the business (Water services, Wastewater services, Call Centre and Metering/Billing). Every morning Watermelon provides the latest completed surveys via SFTP into NI Water's data warehouse where the master set of surveys are stored.

In 2023/24, NIW achieved a Customer Advocacy score of 46 which is above the PC21 target of 42. This is an increase of +10 from 2022/23. This increase in NPS can be attributed to a number of customer initiates and customer journey reviews undertaken during the year which has improved the customer experience.

**Line 24 Omnibus survey question 1**

Ipsos MORI is an independent market research company, who carry out customer surveys on behalf of many other clients, including Regulators, Councils and Utilities.

The objective of the research is to survey a sample of domestic and non-domestic customers who may or may not have contacted NI Water, to confirm their level of customer satisfaction and ascertain if there is any correlation in the level of satisfaction between customers who contact NI Water and those who don't.

The survey has to be sufficiently robust and statistically significant to enable benchmarking within multiple markets. The score is calculated from an average of overall satisfaction with the following statement:
*"I am happy with the service I receive from NI Water."*

The Omnibus survey is based on a sample of 997 domestic consumers and 500 non-domestic consumers that may have had direct or no contact with NI Water to request a service or make a complaint. The survey is carried out once a year, the data for the survey was collected between 29th February and 6th March 2024.
Each domestic survey consists of a freshly drawn sample of 1700 people, aged 16 and over(with each interview representing one household). The Domestic interviews were completed through the Ipsos MORI online platform KnowledgePanel. Panellists to the

KnowledgePanel are recruited via a random probability unclustered address-based sampling method, meaning that every household in the UK has a known chance of being selected to join the panel. Letters are sent to selected addresses in the UK (using the Postcode Address File) inviting them to become members of the panel. Members of the public who are digitally excluded are able to register to the Knowledge Panel either by post or by telephone, and are given a tablet, an email address, and basic internet access which allows them to complete surveys online.

The above detail is an indication of how Ipsos MORI use this KnowledgePanel nationwide, however for the purpose of our survey only panellists from Northern Ireland and in effect NI Water Customers were used. In Northern Ireland 1,700 panellists were available for this research and achieved 997 responses.

Each non-domestic survey is conducted via Computer Assisted Telephone Interviewing (CATI). The survey is derived from a random sample of businesses in Northern Ireland, with quotas applied to ensure that the survey mirrors the profile of the Northern Ireland business community insofar as this is possible, building quota requirements by region with a view to ensuring maximum geographical representativeness. Given that the data may be subject to media and public scrutiny the sample is controlled by industry sector and number of employees to ensure broad representativeness, although it is possible to add further area quota controls to the overall sample stratification. Throughout the course of the fieldwork, geographic analysis would be monitored, to ensure representation is being achieved.

Consumers are asked to what extent do you agree or disagree with the following statement? "I am happy with the service I receive from NI Water."

| | |
|---|---|
| Strongly agree | 1 |
| Tend to agree | 2 |
| Neither agree nor disagree | 3 |
| Tend to disagree | 4 |
| Strongly disagree | 5 |
| Don't know | 6 |

The level of satisfaction reported for 2023/24 has increased from the level of satisfaction reported in 2022/23. The domestic score has increased from 72 in 2022/23 to 74 in 2023/24 with the non-domestic score decreasing from 77 in 2022/23 to 73 in 2023/24. Some reasons for the reduction in score include:

- NI Water does not have control over the order in which the survey questions are asked within the Omnibus survey. There is potential for a previous question asked to impact the response given to the statement above.
- Impact of leaking pipes on customer bills, low water pressure and issues with metering were cited by customers.

As per table below, the overall score achieved was 73.7%

| | AIR24 | | |
|---|---|---|---|
| | Nr | Score | Total / Av |
| Domestic | 997 | 74 | 73,778 |
| Non-domestic | 500 | 73 | 36,500 |
| **Total / Average** | **1497** | | **73.7%** |

**Line 25 Omnibus survey question 2**

Ipsos MORI is an independent market research company, who carry out customer surveys on behalf of many other clients, including Regulators, Councils and Utilities.

The objective of the research is to survey a sample of domestic and non-domestic customers who may or may not have contacted NI Water, to confirm their level of customer satisfaction and ascertain if there is any correlation in the level of satisfaction between customers who contact NI Water and those who don't.

The survey has to be sufficiently robust and statistically significant to enable benchmarking within multiple markets.

The score is calculated using Net Promoter Score methodology based on results from the following statement; if people could choose their water company how likely would you be to recommend your water company to a friend or colleague where 1 is 'not at all likely to recommend' and 10 is 'extremely likely to recommend'

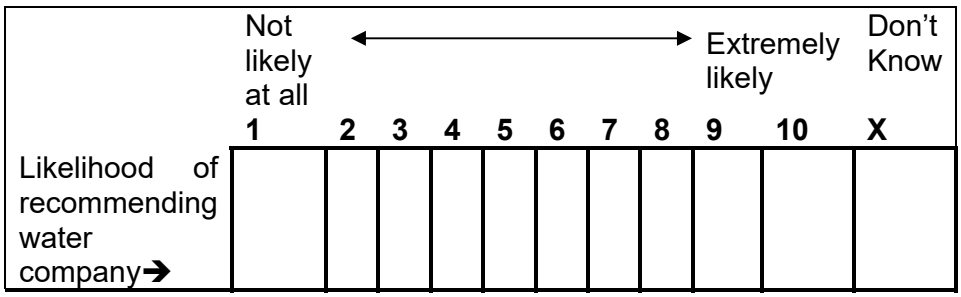
The Omnibus survey is based on a sample of 997 domestic consumers and 478 non-domestic consumers that may have had direct or no contact with NI Water to request a service or make a complaint. The survey is carried out once a year, the data for the survey was collected between the 29th February and 6th March 2024.

Each domestic survey consists of a freshly drawn sample of 1700 people, aged 16 and over(with each interview representing one household). The Domestic interviews were completed through the Ipsos MORI online platform KnowledgePanel. Panellists to the KnowledgePanel are recruited via a random probability unclustered address-based sampling method, meaning that every household in the UK has a known chance of being selected to join the panel. Letters are sent to selected addresses in the UK (using the Postcode Address File) inviting them to become members of the panel. Members of the public who are digitally excluded are able to register to the Knowledge Panel either by post or by telephone, and are given a tablet, an email address, and basic internet access which allows them to complete surveys online.

The above detail is an indication of how Ipsos MORI use this Knowledge Panel nationwide, however for the purpose of our survey only panellists from Northern Ireland and in effect NI Water Customers were used. In Northern Ireland 1,700 panellists were available for this research and achieved 997 responses.

Each non-domestic survey is conducted via Computer Assited Telephone Interviewing (CATI). The survey is derived from a random sample of businesses in Northern Ireland, with quotas applied to ensure that the survey mirrors the profile of the Northern Ireland business community insofar as this is possible, building quota requirements by region with a view to ensuring maximum geographical representativeness. Given that the data may be subject to media and public scrutiny the sample is controlled by industry sector and number of employees to ensure broad representativeness, although it is possible to add further area quota controls to the overall sample stratification. Throughout the course of the fieldwork, geographic analysis would be monitored, to ensure representation is being achieved.

The score is calculated using Net Promoter Score methodology based on results from the following statement; if people could choose their water company how likely would you be to recommend your water company to a friend or colleague where 1 is 'not at all likely to recommend' and 10 is 'extremely likely to recommend'




Advocacy across domestic customers has remained at 62% in 2023/24 compared to 62% in 2022/23. Non-domestic advocacy has improved to 69% in 2023/24 compared to 68% in 2022/23. Overall score has decreased slightly to 7.4 in 2023/24 compared to a score at 7.5% in 2022/23.

As per table below, the overall score achieved was 7.5.

| | AIR24 | | |
|---|---|---|---|
| | **Nr** | **Score** | **Total / Av** |
| Domestic | 997 | 7.21 | 7,188 |
| Non-domestic | 478 | 7.75 | 3,705 |
| **Total / Average** | **1475** | | **7.4%** |

**Confidence Grades**

Call volume data is derived using a combination of telephony systems, the HVCH system for automated calls, Cirrus and Avaya CMS that draws information from the Avaya system for agent handled calls and the IVR platform for calls linked to the Billing Enquiry lines.

As per methodology, the process of reconciliation between the telephony systems is largely manual, as calls transferring from Avaya CMS are deemed to be received in HVCH; however the confidence grade assigned to the data remains at 'A2', as per the AIR guidance.

Customer Satisfaction retains the confidence grade of 'A1' as it is conducted independently and the results are provided to NI Water by Ipsos MORI. In relation to the change in methodology for the Omnibus survey (changing from face to face interviews to KnowledgePanel) we had assurances from Ipsos MORI that whilst the method in which the responses were received from Domestic customers, there were no fundamental changes to how the data was reviewed and scored and therefore the confidence grades have remained the same.

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 5A KEY OUTPUTS

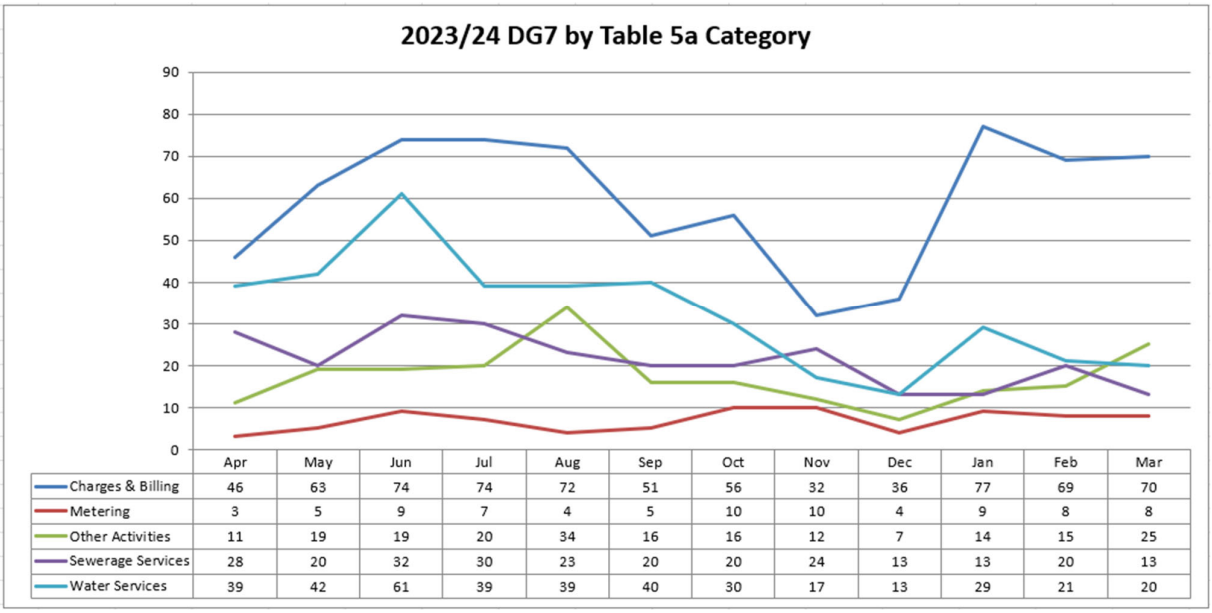
CUSTOMER COMPLAINTS DATA FOR CONSUMER COUNCIL FOR NORTHERN IRELAND (TOTAL)

| | DESCRIPTION | UNITS | DP | 1 REPORTING YEAR 2015-16 | CG | 2 REPORTING YEAR 2016-17 | CG | 3 REPORTING YEAR 2017-18 | CG | 4 REPORTING YEAR 2018-19 | CG | 5 REPORTING YEAR 2019-20 | CG | 6 REPORTING YEAR 2020-21 | CG | 7 REPORTING YEAR 2021-22 | CG | 8 REPORTING YEAR 2022-23 | CG | 9 REPORTING YEAR 2023-24 | CG | 10 REPORTING YEAR 2024-25 | CG | 11 REPORTING YEAR 2025-26 | CG | 12 REPORTING YEAR 2026-27 | CG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A** | **TOTAL WRITTEN COMPLAINTS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Total written complaints | nr | 0 | 2,269 | B2 | 2,375 | B2 | 2,274 | B2 | 2,133 | B2 | 1,958 | B2 | 1,885 | B2 | 1,954 | B2 | 1,812 | B2 | 1,656 | B2 | | | | | | |
| 2 | Number dealt with within 10 working days | nr | 0 | 2,266 | B2 | 2,375 | B2 | 2,271 | B2 | 2,133 | B2 | 1,957 | B2 | 1,883 | B2 | 1,954 | B2 | 1,812 | B2 | 1,656 | B2 | | | | | | |
| 3 | Number dealt with in more than 20 working days | nr | 0 | 2 | B2 | 0 | B2 | 3 | B2 | 0 | B2 | 0 | B2 | 1 | B2 | 0 | B2 | 0 | B2 | 0 | B2 | | | | | | |
| **B** | **CATEGORY OF WRITTEN COMPLAINTS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | **(i) Charges and Bills** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Total written complaints about charging and billing issues | nr | 0 | 890 | B2 | 935 | B2 | 699 | B2 | 815 | B2 | 779 | B2 | 658 | B2 | 910 | B2 | 710 | B2 | 720 | B2 | | | | | | |
| 5 | Total written complaints about charging and billing issues escalated to second stage review | nr | 0 | 92 | B2 | 87 | B2 | 72 | B2 | 38 | B2 | 60 | B2 | 53 | B2 | 55 | B2 | 49 | B2 | 56 | B2 | | | | | | |
| | **(ii) Water Service** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Total written complaints about water service issues | nr | 0 | 505 | B2 | 600 | B2 | 616 | B2 | 433 | B2 | 436 | B2 | 568 | B2 | 455 | B2 | 440 | B2 | 390 | B2 | | | | | | |
| 7 | Total written complaints about water service issues escalated to second stage review | nr | 0 | 33 | B2 | 29 | B2 | 51 | B2 | 36 | B2 | 23 | B2 | 22 | B2 | 16 | B2 | 5 | B2 | 10 | B2 | | | | | | |
| | **(iii) Sewerage Service** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Total written complaints about sewerage service issues | nr | 0 | 487 | B2 | 533 | B2 | 579 | B2 | 550 | B2 | 454 | B2 | 418 | B2 | 330 | B2 | 359 | B2 | 256 | B2 | | | | | | |
| 9 | Total written complaints about sewerage service issues escalated to second stage review | nr | 0 | 29 | B2 | 43 | B2 | 73 | B2 | 128 | B2 | 24 | B2 | 13 | B2 | 13 | B2 | 13 | B2 | 15 | B2 | | | | | | |
| | **(iv) Metering** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | Total written complaints about metering issues | nr | 0 | 104 | B2 | 75 | B2 | 91 | B2 | 73 | B2 | 73 | B2 | 51 | B2 | 54 | B2 | 60 | B2 | 82 | B2 | | | | | | |
| 11 | Total written complaints about metering issues escalated to second stage review | nr | 0 | 4 | B2 | 5 | B2 | 9 | B2 | 4 | B2 | 8 | B2 | 8 | B2 | 4 | B2 | 5 | B2 | 4 | B2 | | | | | | |
| | **(v) Other activities** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | Total written complaints about other service issues or activities | nr | 0 | 283 | B2 | 232 | B2 | 289 | B2 | 262 | B2 | 216 | B2 | 190 | B2 | 205 | B2 | 243 | B2 | 208 | B2 | | | | | | |
| 13 | Total written complaints about other service issues or activities escalated to second stage review | nr | 0 | 18 | B2 | 14 | B2 | 22 | B2 | 19 | B2 | 27 | B2 | 5 | B2 | 7 | B2 | 7 | B2 | 2 | B2 | | | | | | |
| **C** | **OTHER CUSTOMER RESPONSE MEASURES** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | Number of holding responses issued | nr | 0 | 413 | B2 | 326 | B4 | 286 | B4 | 290 | B4 | 211 | B4 | 243 | B4 | 311 | B2 | 219 | B2 | 491 | B2 | | | | | | |
| 15 | Consumer Council investigations | nr | 0 | 34 | B2 | 30 | B2 | 23 | B2 | 5 | B2 | 10 | B2 | 4 | B2 | 2 | B2 | 1 | B2 | 1 | B2 | | | | | | |

# Table 5a – DG7 Response to Written Complaints

## DG7 Received Annual Profile & Explanation

The volume of DG7 complaints received each month during 23/24 by type is shown in the chart below.




| | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Charges & Billing | 46 | 63 | 74 | 74 | 72 | 51 | 56 | 32 | 36 | 77 | 69 | 70 |
| Metering | 3 | 5 | 9 | 7 | 4 | 5 | 10 | 10 | 4 | 9 | 8 | 8 |
| Other Activities | 11 | 19 | 19 | 20 | 34 | 16 | 16 | 12 | 7 | 14 | 15 | 25 |
| Sewerage Services | 28 | 20 | 32 | 30 | 23 | 20 | 20 | 24 | 13 | 13 | 20 | 13 |
| Water Services | 39 | 42 | 61 | 39 | 39 | 40 | 30 | 17 | 13 | 29 | 21 | 20 |

In line with previous years, those falling into the Charges & Billing Category remain the principal written complaint type. In 23/24, 43% of the total written complaints received fall into this category. This represents an 4% increase in comparison to the previous reporting period.

There was an increase in Charges & Billing complaints from May 2023, which would have coincided with the annual unmeasured bill run, and they remained high until August 2023. Volumes dropped significantly from this point until December, where we recorded the lowest number of billing complaints for the year; 36. There was a secondary peak in January 2024. No specific drivers identified; however, this is likely related to the reduced numbers received in the preceding months. The reduction in December is typical for time of year and due to a number of businesses being closed over the Christmas period and it is therefore expected for volumes to be lower. The upturn in January is likely due to these business customers resuming trade after the Christmas closures.

Volumes for Water Services peaked in June 2023 and then followed a downward trajectory until December 2023. The peak in June was the result of the warmer weather, which contributed to Algae Blooms in Lough Neagh, which subsequently led to an increase in Water Quality complaints. The data shows a secondary ‘peak’. However; this isn’t an actual peak but is instead typical volumes but they just appear increased due to the very low volumes in the previous month.

Volumes for Sewerage Services remained consistent throughout most of 2023/24. However; there was a small peak in June 2023. which was due to an extended period of extremely dry weather in May followed by extreme wet weather in June, which caused an increase in blocked sewers and flooding complaints.

There were no other key drivers or themes linked to billing or operational complaints identified during the reporting period.

**Second Stage Complaints**
Systems remained in place to enable the reporting of complaints escalated to second stage review throughout 23/24.

It should be noted that the associated data does not highlight instances of the same customers sending further complaints on the same issue following a second stage complaint. Second stage complaints have not been analysed to determine whether they would be deemed upheld or unjustified by the Company.

Sampling audits were performed throughout the year to ensure accuracy of categorisation.

**Other Customer Measures**
Monitoring systems remain in place to allow reporting of:

- the number and frequency of repeat complaints; and
- the number and frequency of holding responses.

Whilst there is no data line to report on repeat complaints, those complaints reported as having been escalated to second stage review could be interpreted as representing the number of repeat written complaints.

Monitoring systems have been in place throughout the reporting period to support reporting on the number holding responses issued throughout 23/24.

System-based report data was used to derive the number of holding responses issued between 01/04/23 and 31/03/24.

The figure reported in Line 14 is the total recorded number of holding responses issued to customers during 23/24 owing to pending investigations linked to open DG7 contacts which were received in 23/24. It does not include holding responses issued within 23/24 in relation to DG7 contacts received in the previous reporting year.

The reported figure does not represent the number of unique DG7 contacts for which one or more holding response was issued.

In cases where the investigations were ongoing by the expiry date of the initial holding response, a further holding response will have been issued.

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 6A BAD DEBT
OUTSTANDING REVENUE AND BREAKDOWN OF CUSTOMER SERVICES OPERATING EXPENDITURE (TOTAL

| | DESCRIPTION | UNITS | DP | 1 REPORTING YEAR 2015-16 | CG | 2 REPORTING YEAR 2016-17 | CG | 3 REPORTING YEAR 2017-18 | CG | 4 REPORTING YEAR 2018-19 | CG | 5 REPORTING YEAR 2019-20 | CG | 6 REPORTING YEAR 2020-21 | CG | 7 REPORTING YEAR 2021-22 | CG | 8 REPORTING YEAR 2022-23 | CG | 9 REPORTING YEAR 2023-24 | CG | 10 REPORTING YEAR 2024-25 | CG | 11 REPORTING YEAR 2025-26 | CG | 12 REPORTING YEAR 2026-27 | CG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | REVENUE OUTSTANDING - MEASURED HOUSEHOLDS | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Lines 1 to 14 not used | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | REVENUE OUTSTANDING - UNMEASURED HOUSEHOLDS | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Lines 15 to 28 not used | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | REVENUE OUTSTANDING - MEASURED NON HOUSEHOLDS | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | Total revenue outstanding < 48 months (measured non households) | £m | 3 | 7.220 | A2 | 7.305 | A2 | 7.009 | A2 | 6.112 | A2 | 5.496 | A2 | 6.175 | A2 | 6.139 | A2 | 6.235 | A2 | 7.240 | A2 | | | | | | |
| 30 | Number of measured non households with outstanding revenue < 48 months | nr | 0 | 17,091 | A2 | 11,715 | A2 | 11,517 | A2 | 9,781 | A2 | 11,102 | A2 | 12,402 | A2 | 13,156 | A2 | 7,818 | A2 | 13,697 | A2 | | | | | | |
| 31 | Revenue outstanding < 3 months (measured non households) | £m | 3 | 5.530 | A2 | 5.376 | A2 | 5.611 | A2 | 5.136 | A2 | 4.862 | A2 | 4.553 | A2 | 5.520 | A2 | 5.695 | A2 | 6.484 | A2 | | | | | | |
| 32 | Number of measured non households with outstanding revenue < 3 months | nr | 0 | 10,405 | A2 | 7,992 | A2 | 8,576 | A2 | 7,310 | A2 | 8,379 | A2 | 8,645 | A2 | 10,450 | A2 | 7,238 | A2 | 10,803 | A2 | | | | | | |
| 33 | Revenue outstanding 3 - 12 months (measured non households) | £m | 3 | 0.758 | A2 | 1.100 | A2 | 0.629 | A2 | 0.454 | A2 | 0.359 | A2 | 0.931 | A2 | 0.214 | A2 | 0.508 | A2 | 0.302 | A2 | | | | | | |
| 34 | Number of measured non households with outstanding revenue 3 - 12 months | nr | 0 | 4,889 | A2 | 2,368 | A2 | 1,906 | A2 | 1,607 | A2 | 1,762 | A2 | 2,721 | A2 | 1,865 | A2 | 259 | A2 | 2,136 | A2 | | | | | | |
| 35 | Revenue outstanding 12 - 24 months (measured non households) | £m | 3 | 0.435 | A2 | 0.446 | A2 | 0.362 | A2 | 0.163 | A2 | 0.227 | A2 | 0.493 | A2 | 0.303 | A2 | 0.021 | A2 | 0.105 | A2 | | | | | | |
| 36 | Number of measured non households with outstanding revenue 12 - 24 months | nr | 0 | 1,142 | A2 | 922 | A2 | 737 | A2 | 573 | A2 | 642 | A2 | 815 | A2 | 552 | A2 | 242 | A2 | 564 | A2 | | | | | | |
| 37 | Revenue outstanding 24 - 36 months (measured non households) | £m | 3 | 0.497 | A2 | 0.383 | A2 | 0.407 | A2 | 0.359 | A2 | 0.048 | A2 | 0.198 | A2 | 0.102 | A2 | 0.012 | A2 | 0.349 | A2 | | | | | | |
| 38 | Number of measured non households with outstanding revenue 24 - 36 months | nr | 0 | 656 | A2 | 433 | A2 | 298 | A2 | 291 | A2 | 319 | A2 | 221 | A2 | 288 | A2 | 78 | A2 | 193 | A2 | | | | | | |
| 39 | Revenue outstanding 36 - 48 months (measured non households) | £m | 3 | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | A2 | 0.000 | A2 | | | | | | |
| 40 | Number of measured non households with outstanding revenue 36 - 48 months | nr | 0 | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | A2 | 0 | A2 | | | | | | |
| 41 | Revenue outstanding > 48 months (measured non households) | £m | 3 | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | A2 | 0.000 | A2 | | | | | | |
| 42 | Number of measured non households with outstanding revenue > 48 months | nr | 0 | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | A2 | 0 | A2 | | | | | | |
| D | REVENUE OUTSTANDING - UNMEASURED NON HOUSEHOLDS | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 43 | Total revenue outstanding < 48 months (unmeasured non households) | £m | 3 | 2.604 | A2 | 2.647 | A2 | 2.600 | A2 | 2.650 | A2 | 2.870 | A2 | 3.016 | A2 | 3.338 | A2 | 0.358 | A2 | 3.898 | A2 | | | | | | |
| 44 | Number of unmeasured non households with outstanding revenue < 48 months | nr | 0 | 9,664 | A2 | 8,881 | A2 | 8,679 | A2 | 8,262 | A2 | 8,974 | A2 | 8,512 | A2 | 9,573 | A2 | 328 | A2 | 9,350 | A2 | | | | | | |
| 45 | Revenue outstanding <3 months (unmeasured non households) | £m | 3 | 2.282 | A2 | 2.351 | A2 | 2.211 | A2 | 2.237 | A2 | 2.552 | A2 | 2.550 | A2 | 2.681 | A2 | 0.003 | A2 | 3 | A2 | | | | | | |
| 46 | Number of unmeasured non households with outstanding revenue < 3 months | nr | 0 | 8,224 | A2 | 8,102 | A2 | 8,056 | A2 | 7,650 | A2 | 8,160 | A2 | 7,236 | A2 | 8,429 | A2 | 80 | A2 | 8,591 | A2 | | | | | | |
| 47 | Revenue outstanding 3 -12 months (unmeasured non households) | £m | 3 | 0.154 | A2 | 0.132 | A2 | 0.203 | A2 | 0.142 | A2 | 0.085 | A2 | 0.157 | A2 | 0.209 | A2 | 0.048 | A2 | 0.240 | A2 | | | | | | |
| 48 | Number of unmeasured non households with outstanding revenue 3 - 12 months | nr | 0 | 190 | A2 | 256 | A2 | 160 | A2 | 177 | A2 | 217 | A2 | 443 | A2 | 362 | A2 | 142 | A2 | 471 | A2 | | | | | | |
| 49 | Revenue outstanding 12-24 months (unmeasured non households) | £m | 3 | 0.113 | A2 | 0.116 | A2 | 0.126 | A2 | 0.165 | A2 | 0.170 | A2 | 0.193 | A2 | 0.197 | A2 | 0.248 | A2 | 0.124 | A2 | | | | | | |
| 50 | Number unmeasured non households with outstanding revenue 12 - 24 months | nr | 0 | 662 | A2 | 366 | A2 | 326 | A2 | 316 | A2 | 435 | A2 | 646 | A2 | 398 | A2 | 129 | A2 | 101 | A2 | | | | | | |
| 51 | Revenue outstanding 24-36 months (unmeasured non households) | £m | 3 | 0.055 | A2 | 0.048 | A2 | 0.060 | A2 | 0.106 | A2 | 0.063 | A2 | 0.116 | A2 | 0.251 | A2 | 0.059 | A2 | 0.134 | A2 | | | | | | |
| 52 | Number of unmeasured non households with outstanding revenue 24 - 36 months | nr | 0 | 588 | A2 | 157 | A2 | 137 | A2 | 119 | A2 | 162 | A2 | 187 | A2 | 384 | A2 | -23 | A2 | 187 | A2 | | | | | | |
| 53 | Revenue outstanding 36 -48 months (unmeasured non households) | £m | 3 | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | A2 | 0.000 | A2 | | | | | | |
| 54 | Number of unmeasured non households with outstanding revenue 36 - 48 months | nr | 0 | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | A2 | 0 | A2 | | | | | | |
| 55 | Revenue outstanding >48 months (unmeasured non households) | £m | 3 | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | | 0.000 | A2 | 0.000 | A2 | | | | | | |
| 56 | Number of unmeasured non households with outstanding revenue > 48 months | nr | 0 | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | A2 | 0 | A2 | | | | | | |
| E | REVENUE WRITTEN OFF | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 57 | Amount of revenue written off from measured households | £m | 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| 57a | Amount of revenue written off from measured non-households | £m | 3 | 1.237 | A2 | 0.341 | A2 | 0.474 | A2 | 0.442 | A2 | 0.290 | A2 | 0.501 | A2 | 0.229 | A2 | 0.249 | A2 | 0.198 | A2 | | | | | | |
| 58 | Amount of revenue written off from unmeasured households | £m | 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| 58a | Amount of revenue written off from unmeasured non-households | £m | 3 | 0.083 | A2 | 0.045 | A2 | 0.056 | A2 | 0.051 | A2 | 0.042 | A2 | 0.065 | A2 | 0.046 | A2 | 0.040 | A2 | 0.075 | A2 | | | | | | |
| F | CUSTOMER SERVICES OPERATING EXPENDITURE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 59 | General customer services operating expenditure Total | £m | 3 | 6.337 | A2 | 6.898 | A2 | 6.453 | A2 | 6.806 | A2 | 8.014 | A2 | 8.183 | A2 | 9.214 | A2 | 9.978 | A2 | 10.518 | A2 | | | | | | |
| i | Employment costs | £m | 3 | 3.501 | A2 | 3.972 | A2 | 3.933 | A2 | 4.196 | A2 | 4.858 | A2 | 5.154 | A2 | 5.528 | A2 | 5.765 | A2 | 6.437 | A2 | | | | | | |
| ii | Hired and contracted costs | £m | 3 | 3.018 | A2 | 2.876 | A2 | 2.593 | A2 | 2.770 | A2 | 3.142 | A2 | 2.892 | A2 | 3.502 | A2 | 4.221 | A2 | 4.034 | A2 | | | | | | |
| iii | Other | £m | 3 | 0.738 | A2 | 0.985 | A2 | 0.951 | A2 | 0.906 | A2 | 1.040 | A2 | 1.251 | A2 | 1.326 | A2 | 1.266 | A2 | 1.452 | A2 | | | | | | |
| iv | Adjustments | £m | 3 | -0.920 | B3 | -0.935 | A2 | -1.024 | A2 | -1.066 | A2 | -1.026 | A2 | -1.114 | A2 | -1.142 | A2 | -1.274 | A2 | -1.404 | A2 | | | | | | |
| 60 | Outstanding revenue collection operating expenditure (households) | £m | 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| 60a | Outstanding revenue collection operating expenditure (non households) | £m | 3 | 1.934 | DX | 1.950 | A2 | 2.098 | A2 | 2.215 | A2 | 2.234 | A2 | 2.169 | A2 | 2.323 | A2 | 2.482 | A2 | 2.693 | A2 | | | | | | |
| 61 | Donations to charitable trusts assisting customers in debt (households) | £m | 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| 62 | Operating expenditure due to vulnerable household customers | £m | 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | Total customer services operating expenditure | £m | 3 | 8.271 | A2 | 8.848 | A2 | 8.551 | A2 | 9.021 | A2 | 10.248 | A2 | 10.352 | A2 | 11.537 | A2 | 12.460 | A2 | 13.211 | A2 | | | | | | |

# Table 6a – Bad Debt

## Overview

The company operates a partnership with an external service provider (Echo) for customer contact and billing. Customer Services Delivery Directorate works closely with the supplier on all billing matters including debt recovery, designations of customers for write off of debt and estimation of the level of bad debt provisioning to be put in place for potential future write-offs.

The service provider furnishes monthly information for non-domestic measured water and trade effluent income, cash, write-offs, VAT and closing debtor balances to the company from the billing system (RapidXtra). This information is used to produce the monthly management accounts. The figures in Table 6a are derived from this information.

The figures contained within the table are clarified below:

## Box A – Revenue Outstanding – Measured Households

For the year ended 31 March 2024 NI Water had no actual revenue from households as this is received by way of a subsidy from Department for Infrastructure ("DfI"). There was £1.85m due to NIW from DfI for subsidy at 31 March 2024. This figure varies to the Statutory Accounts as Septic Tank subsidy is not reported in AIR as it is classified as non-appointed income in the Regulatory accounts.

## Box B – Revenue Outstanding – Unmeasured Households

As above, income is received by way of a subsidy from DfI.

## Box C – Revenue Outstanding – Measured Non-Households

Revenue outstanding from non-households is the amount of revenue relating to measured water, measured sewerage and trade effluent charges that had been billed in the year but not collected at 31 March 2024.

At 31 March 2024 the closing trade debtor balance was £7.240m. Trade Debtors increased this year largely due to increased tariffs.

The debtor balance reported figure is made up of various GL codes and is calculated as measured water and sewerage debtors (including Trade Effluent debtors) less unreconciled receipts, bad debt provision and provision for discount. The bad debt provision is £3.457m and is made up of the following:

- £0.232m for debt over 4 years
- £0.002m for debt 3 - 4 years
- £0.286m for debt 2 – 3 years
- £0.501m for debt 1 – 2 years
- £1.100m for debt 90 – 365 days
- £1.335m for debt less than 90 days

There is one GL code for measured water and sewerage debtors. At year end the GL debtor balance (gross of credit balances) was approx. £1.7m less than the detailed debtors listing provided by Echo. This was due to the following:

- Future system adjustments (£1.0m)
- Other adjustments (£0.7m)

**Summary of all relevant rows for Section C**

**Row 29 – Total Revenue Outstanding < 48 months - Measured Non Households:** The total amount of revenue at the end of 2023/24 outstanding from measured non households for less than 48 months. Balance as at 31 March 2024 was £7.240m.

**Row 30 – Number of Measured Non-Households with Outstanding Revenue < 48 months:** The number of measured non households with revenue outstanding for less than 48 months at 31 March 2024 was 13,697. The number of households has been adjusted in line with the decrease in debtors taking account of anticipated future system adjustments and other adjustments of £1.7m. The £1.7m is approximately 10.5% of total outstanding debtors at 31 March 2024 of £16.5m. An assumption was made to apply a 10.5% reduction across all measured revenue age groups up to 36 months.

**Row 31 – Revenue Outstanding < 3 months (Measured Non Households):** The total amount of revenue at the end of 2023/24 that has been outstanding from measured non households for less than 3 months. Balance as at 31 March 2024 was £6,484.

**Row 32 – Number of Measured Non-Households with Outstanding Revenue < 3 months:** The number of measured non households at end of 2023/24, with revenue outstanding for less than 3 months. As at 31 March 2024 this totalled 10,803.

**Row 33 – Revenue Outstanding 3-12 months (Measured Non Households):** The total amount of revenue at the end of 2023/24 that has been outstanding from measured non households for at least 3 months but less than 12 months. Balance as at 31 March 2024 was £0.302m.

**Row 34 – Number of Measured Non-Households with Outstanding Revenue 3-12 months:** The number of measured non households at end of 2023/24 with revenue that has been outstanding for at least 3 months but less than 12 months. At 31 March 2024 this totalled 2,136.

**Row 35 – Total Revenue Outstanding 12-24 months (Measured Non Households):** The total amount of revenue at the end of 2023/24 outstanding from measured non households for at least 12 months but less than 24 months. At 31 March 2024 this totalled £0.105m.

**Row 36 – Number of Measured Non-Households with Outstanding Revenue 12-24 months:** The number of measured non households at end of 2023/24 with revenue that has been outstanding for at least 12 months but less than 24 months. At 31 March 2024 this totalled 564.

**Row 37 – Total Revenue Outstanding 24-36 months (Measured Non Households):** The total amount of revenue at the end of 2023/24 outstanding from measured non households for at least 24 months but less than 36 months. At 31 March 2024 this totalled £0.349m.

**Row 38 – Number of Measured Non-Households with Outstanding Revenue 24-36 months:** The number of measured non households at end of 2023/24 with revenue that has been outstanding for at least 24 months but less than 36 months. At 31 March 2024 this totalled 193.

**Row 39 – Number of Measured Non-Households with Outstanding Revenue 36-48 months:** The number of measured non households at end of 2023/24 with revenue that has been outstanding for at least 36 months but less than 48 months.

Once the bad debt provision is applied there are no debtors greater than 36 months. Therefore at 31 March 2024 this row and all remaining rows in box C are zero.

**Box D – Revenue Outstanding – Unmeasured Non-Households**

Revenue outstanding from non-households is the amount of revenue relating to unmeasured water and sewerage charges that had been billed in the year but not collected at 31 March 2024.

- At 31 March 2024 the closing trade debtor balance was £3.898m (31 March 2023, £0.358m).

The debtor balance reported figure is made up of unmeasured water and sewerage debtors less bad debt provision. The bad debt provision is £0.157m and is made up of the following:

- £0.008m for debt over 4 years
- £0.004m for debt 3 - 4 years
- £0.015m for debt 2 – 3 years
- £0.023m for debt 1 – 2 years
- £0.049m for debt 90 – 365 days
- £0.058m for debt less than 90 days

**Summary of all relevant rows for Section D**

**Row 43 – Total Revenue Outstanding < 48 months - Unmeasured Non Households:** The total amount of revenue at the end of 2023/24 outstanding from unmeasured non households for less than 48 months. Balance at 31 March 2024 was £3.898m.

**Row 44 – Numbers of Unmeasured Non-Households with Outstanding Revenue < 48 months:** The number of unmeasured non households at the end of 2023/24 with revenue that has been outstanding for less than 48 months. Total at 31 March 2024 was 9,350.

**Row 45 – Revenue Outstanding < 3 months - Unmeasured Non Households:** The total amount of revenue at the end of 2023/24 outstanding from unmeasured non households for less than 3 months. Balance at 31 March 2024 was £3.400.

**Row 46 – Numbers of Unmeasured Non-Households with Outstanding Revenue < 3 months:** The number of unmeasured non households at the end of 2023/24 with revenue outstanding for less than 3 months. Total at 31 March 2024 was 8,591.

**Row 47 – Revenue Outstanding 3-12 months - Unmeasured Non Households:** The total amount of revenue at the end of 2023/24 outstanding from unmeasured non households for at least 3 months but less than 12 months. Balance at 31 March 2024 was £0.240m.

**Row 48 – Numbers of Unmeasured Non-Households with Outstanding Revenue 3-12 months:** The number of unmeasured non households at end of 2023/24 with revenue outstanding for at least 3 months but less than 12 months. Total at 31 March 2024 was 471.

**Row 49 – Revenue Outstanding 12-24 months - Unmeasured Non Households:** The total amount of revenue at the end of 2023/24 outstanding from unmeasured non households for at least 12 months but less than 24 months. Balance at 31 March 2024 was £0.124m.

**Row 50 – Numbers of Unmeasured Non-Households with Outstanding Revenue 12-24 months:** The number of unmeasured non households at end of 2023/24 with revenue

outstanding for at least 12 months but less than 24 months. Total at 31 March 2024 was 101.

**Row 51 – Revenue Outstanding 24-36 months - Unmeasured Non Households:** The total amount of revenue at the end of 2023/24 outstanding from unmeasured non households for at least 24 months but less than 36 months. Balance at 31 March 2024 was £0.134m.

**Row 52 – Numbers of Unmeasured Non-Households with Outstanding Revenue 24-36 months:** The number of unmeasured non households at end of 2023/24 with revenue outstanding for at least 24 months but less than 36 months. Total at 31 March 2024 was 187.

**Row 53 – Revenue Outstanding 36-48 months - Unmeasured Non Households:** The total amount of revenue at the end of 2023/24 outstanding from unmeasured non households for at least 36 months but less than 48 months.

Once the bad debt provision is applied there are no debtors greater than 36 months. Therefore at 31 March 2024 this row and all remaining rows in box D are zero.

**Box E – Revenue Written Off**

**Bad debt write-offs**

The bad debt write off policy is detailed below. As with all other customer data the company receives monthly figures for bad debt write-offs. The figure for the year is £0.273m (2022/23, £0.289m).

**Authorisation of bad debt write-off**

With regard to writing off bad debts the service provider has authorisation to write off in accordance with the financial delegations.

Authorisation approval levels are as follows:

| Delegation Limits [By Item] | Recommendation from (External service provider) | Approval required Grade (Internal) | DoF/Dfl * (External) |
|---|---|---|---|
| Value | | | N/A |
| Up to £100 | Agent | Billing, Revenue & Collection Manager L4. | |
| >£100 to £1,000 | Team Manager | | |
| >£1,000 to £5,000 | Service Delivery Manager | | |
| >£5,000 to £10,000 | Head of Service Delivery | Billing, Revenue & Collections Senior Manager L3 | |
| >£10,000 to £50,000 | | Director of Customer Service Delivery L2 | |
| >£50,000 | | Chief Executive | |
| > £250,000 | N/A | Board | >£500k |

* All submissions for external approval must be submitted through F&R to the Dfl SU.

Revenue written off is revenue relating to non-household water and sewerage charges along with any trade effluent charges that have been written off in the year.

Revenue written off only includes water, sewerage and trade effluent charges and does not include court costs or other items included.

NI Water uses a third party contractor to manage their debtors and a Debt Management Strategy was drawn up for Echo use to guide their actions and decisions.

**Summary of all relevant rows for Section E**

**Row 57 – Measured Households:** As NI Water receives no revenue from households, there was no revenue written off from measured households.

**Row 57a – Measured Non-Households:** Bad debts written off are calculated on a monthly basis and include trade effluent. The total for 2023/24 was £0.198m (2022/23, £0.249).

**Row 58 – Unmeasured Households:** As NI Water receives no revenue from households, there was no revenue written off from unmeasured households.

**Row 58a – Unmeasured Non-Households:** Bad debts written off are calculated on a monthly basis. The total for 2023/24 was £0.075m (2022/23, £0.040m).

**Bad Debt provisioning**

The methodology for calculating the bad debt provision is based on an analysis of industry specific bad debt which banded specific industry types as high, medium or low risk in terms of collectability of debt. Percentages were then applied in terms of bad debt provision. Percentages for 'high risk' were set at an increased level and percentages for 'low risk' at a reduced level. NI Water's bad debt provision is calculated as follows:

| Provision | 0-30 days | 31-60 days | 61-90 days | 91-120 days | 121-150 days | 151-180 days | 180-365 days | 1 - 2 years | 2 - 3 years | 3 - 4 years | 4+ years |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Default provision - HIGH | 40% | 40% | 65% | 65% | 80% | 90% | 100% | 100% | 100% | 100% | 100% |
| Default provision - MED | 25% | 25% | 35% | 35% | 60% | 60% | 80% | 100% | 100% | 100% | 100% |
| Default provision - LOW | 20% | 20% | 25% | 25% | 40% | 40% | 50% | 75% | 100% | 100% | 100% |

**Allocation of High, Medium and Low**

A review of the total debtors (debit balances) was carried out in March 2024. Account balance and aged debt taken into consideration when applying risk of default. Data was filtered by VAT SIC code. Assumptions / Considerations were made in the context of the ongoing difficult economic conditions.

The VAT code in tandem with past payment behaviours, legal recovery status, aged debt profile, NI/RoI cross-border trading and various issues/disputes raised via repeat customer contact were all considered when allocating the risk category.

- Review top customers by name.
- All public sector accounts reviewed e.g., Health Trusts, Education Boards, Schools - <30 days Low>30days Med debts.
- Agricultural customers grouped and reviewed - >£5K reviewed individually and set to HIGH. £1k to £5k reviewed individually and set to HIGH if debt > 180 days, or MED if <180 days. DD customers low.
- Retail customers grouped and reviewed.
- Hotels, bars and restaurants reviewed - Final account no forwarding address - High.
- Charities, voluntary groups, housing associations, churches grouped and reviewed.
- Construction companies, quarries grouped and reviewed.

- Accounts with STD VAT code reviewed individually, direct debit payers on MED (these accounts are mainly new customers who have not yet completed VAT questionnaire, so we can't be sure of activity).
- Manufacturers grouped and reviewed by name (high value) and activity (lower value).
- Food processors grouped and reviewed.
- Unmeasured customers in sic code 6 classified as HIGH.
- Unmeasured customers in sic code 8 (Banks and professional services) classified as LOW or MED.
- Banks all at MED risk.
- All final accounts classified as HIGH risk.
- **Vat code:**
  - Energy as low unless debt greater than 180 days then med.
  - Minerals - <30days med. > 30 days high.
  - Metal Goods and Engineering - DD - Low. >180days High.
  - Other manufacturing - >180 days high if not Key account or DD.
  - Construction < 30 days med. > 30days high.
  - Distribution/Catering <30days Med. > 30days High.
  - Transport > 60days High. <60days med.
  - Banking & Finance - DD Low.
  - Other services - DD Low, >£1k, MED.
  - Std Vat Rate unknown > 180 days high. DD Med unless final a/c. <180 days if >£1k. High.
  - Domestic Property - > 180 days high. <180days and <£100. Low.
  - Redundant zero Vat – Med.
- Mitigation accounts set as HIGH.
- RPA accounts set as HIGH.

**Reduction in Provision**

NIW provides against aged debt through the bad debt provision, applying a methodology based on age profile and industry. It is recognised that a proportion of the old debt will not in fact be written off as bad debt but will be eliminated via negative system adjustments and thus be a reduction in income rather than a bad debt expense.

Using the monthly analysis of system adjustments carried out, an estimate of the future system adjustments was made for measured water and measured sewerage only. This was done on the basis of the adjustments in previous months, resulting in an estimate of £1m of future system adjustments.

**Bad Debt Provision Summary**

The following is a summary of the bad debt provision at 31 March 2024 and 31 March 2023:

| | **2024** | **2023** |
|---|---|---|
| | **£m** | **£m** |
| Measured water & sewerage | 2.861 | 2.521 |
| Unmeasured water & sewerage | 0.158 | 0.122 |
| Trade effluent | 0.596 | 0.353 |
| **Total** | **3.615** | **2.996** |

**Subsidy**

NI Water received £371.1m subsidy in relation to household customers in 2023/24 with nothing outstanding from DfI at 31 March 2024.

NI Water received £20.750m subsidy in relation to non-household customers and at 31 March 2024 an amount of £1.850m was outstanding from DfI. The total subsidy for non-households for the year ended 31 March 2024 was £22.600. This figure varies to the Statutory Accounts as Septic Tank subsidy is not reported in AIR as it is classified as non-appointed income in the Regulatory accounts.

**Lines 59 to 63 – Customer Services Operating Expenditure**

**Line 59 – General customer services operating expenditure**

The line 59 total of £10.518m in AIR24 is a £0.54m increase (5.41%) against the costs of £9.978m in AIR23. This arises, primarily, for the following reasons:

- Employment costs (increase of £0.66m (4%)).
- Hired and contracted costs (decrease of £0.42m (9%)).
- Other costs (increase of £0.19m (15%)).

**Line 60 – Outstanding revenue collection operating expenditure (households)**

As NI Water has no actual revenue from households, there is no revenue outstanding from households and therefore no operating expenditure for outstanding revenue collection.

**Line 60a – Outstanding revenue collection operating expenditure (non-households)**

The calculation of this figure was based on the split of the Gross Service Charge from Echo (Northern Ireland) Ltd. In addition, an estimate of some internal NIW collection costs was included.

**Line 61 – Donations to charitable trusts assisting customers in debt (households):**

There were no donations to charitable trusts assisting customers in debt in the year.

**Line 62 – Operating expenditure due to vulnerable household customers**

Household customers in Northern Ireland currently do not pay for water and sewerage services; therefore, NI Water issues no bills to ‘vulnerable household customers’.

**Line 63 – Total customer services operating expenditure**

This agrees to the total of table 21, line 13 and table 22, line 12.

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 7 NON FINANCIAL MEASURES
WATER PROPERTIES & POPULATION (TOTAL)

| | DESCRIPTION | UNITS | DP | 1 REPORTING YEAR 2015-16 | CG | 2 REPORTING YEAR 2016-17 | CG | 3 REPORTING YEAR 2017-18 | CG | 4 REPORTING YEAR 2018-19 | CG | 5 REPORTING YEAR 2019-20 | CG | 6 REPORTING YEAR 2020-21 | CG | 7 REPORTING YEAR 2021-22 | CG | 8 REPORTING YEAR 2022-23 | CG | 9 REPORTING YEAR 2023-24 | CG | 10 REPORTING YEAR 2024-25 | CG | 11 REPORTING YEAR 2025-26 | CG | 12 REPORTING YEAR 2026-27 | CG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | PROPERTIES | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Household properties connected during the year | 000 | 3 | 5.461 | B2 | 6.327 | B2 | 7.267 | B2 | 6.859 | B2 | 5.776 | B2 | 6.609 | B2 | 6.371 | B2 | 5.891 | B2 | 5.107 | B2 | | | | | | |
| 2 | Non-household properties connected during the year | 000 | 3 | 0.366 | B2 | 0.319 | B2 | 0.349 | B2 | 0.397 | B2 | 0.308 | B2 | 0.389 | B2 | 0.362 | B2 | 0.337 | B2 | 0.297 | B2 | | | | | | |
| B | BILLING | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Households billed unmeasured water | 000 | 3 | 703.772 | A2 | 717.015 | A2 | 729.388 | A2 | 740.316 | A2 | 750.207 | A2 | 758.367 | A2 | 766.036 | A2 | 773.699 | A2 | 781.962 | A2 | | | | | | |
| 4 | Households billed measured water (external meter) | 000 | 3 | 0.000 | A1 | 0.000 | A1 | 0.000 | A1 | 0.000 | A1 | 0.000 | A1 | 0.000 | A1 | 0.000 | A1 | 0.000 | A1 | 0.000 | A1 | | | | | | |
| 5 | Households billed measured water (not external meter) | 000 | 3 | 0.000 | A1 | 0.000 | A1 | 0.000 | A1 | 0.000 | A1 | 0.000 | A1 | 0.000 | A1 | 0.000 | A1 | 0.000 | A1 | 0.000 | A1 | | | | | | |
| 6 | Households billed water | 000 | 3 | 703.772 | A2 | 717.015 | A2 | 729.388 | A2 | 740.316 | A2 | 750.207 | A2 | 758.367 | A2 | 766.036 | A2 | 773.699 | A2 | 781.962 | A2 | | | | | | |
| 7 | Household properties (water supply area) | 000 | 3 | 743.090 | A2 | 755.769 | A2 | 767.888 | A2 | 778.923 | A2 | 788.789 | A2 | 797.015 | A2 | 804.838 | A2 | 812.665 | A2 | 820.748 | A2 | | | | | | |
| 8 | Non-households billed unmeasured water | 000 | 3 | 8.861 | A2 | 8.602 | A2 | 8.623 | A2 | 8.613 | A2 | 8.731 | A2 | 8.719 | A2 | 9.103 | A2 | 9.529 | A2 | 9.387 | A2 | | | | | | |
| 9 | Non-households billed measured water | 000 | 3 | 69.813 | A2 | 70.150 | A2 | 70.417 | A2 | 70.771 | A2 | 71.145 | A2 | 71.741 | A2 | 72.381 | A2 | 72.779 | A2 | 73.216 | A2 | | | | | | |
| 10 | Non-households billed water | 000 | 3 | 78.674 | A2 | 78.751 | A2 | 79.040 | A2 | 79.384 | A2 | 79.876 | A2 | 80.460 | A2 | 81.484 | A2 | 82.308 | A2 | 82.602 | A2 | | | | | | |
| 11 | Non-household properties (water supply area) | 000 | 3 | 90.796 | A2 | 90.286 | A2 | 89.806 | A2 | 89.725 | A2 | 90.077 | A2 | 91.152 | A2 | 92.963 | A2 | 93.731 | A2 | 93.896 | A2 | | | | | | |
| 12 | Void properties | 000 | 3 | 51.439 | A2 | 50.288 | A2 | 49.266 | A2 | 48.949 | A2 | 48.783 | A2 | 49.340 | A2 | 50.283 | A2 | 50.243 | A2 | 50.081 | A2 | | | | | | |
| C | POPULATION | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | Population - households billed unmeasured water | 000 | 2 | 1,747.72 | B2 | 1,759.07 | B2 | 1,766.56 | B2 | 1,771.85 | B2 | 1,784.60 | B2 | 1,793.59 | B2 | 1,798.51 | B2 | 1,809.23 | B2 | 1,816.18 | B2 | | | | | | |
| 14 | Population - households billed measured water | 000 | 2 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | B2 | | | | | | |
| 15 | Population - non-households billed unmeasured water | 000 | 2 | 4.47 | B3 | 4.40 | B3 | 4.44 | B3 | 4.19 | B3 | 4.25 | B3 | 4.24 | B3 | 4.39 | B3 | 4.56 | B3 | 4.50 | B2 | | | | | | |
| 16 | Population - non-households billed measured water | 000 | 2 | 98.08 | B3 | 98.11 | B3 | 98.17 | B3 | 97.10 | B3 | 97.45 | B3 | 98.04 | B3 | 98.38 | B3 | 98.30 | B3 | 98.44 | B2 | | | | | | |
| 17 | Population - total | 000 | 2 | 1,850.27 | B2 | 1,861.58 | B2 | 1,869.17 | B2 | 1,873.14 | B2 | 1,886.30 | B2 | 1,895.87 | B2 | 1,901.28 | B2 | 1,912.09 | B2 | 1,919.12 | B2 | | | | | | |

# Table 7 – Water Properties and Population

## Introduction

Table 7 focuses on the number of properties and population connected to the public water supply system. It extends to 17 lines, set out in three blocks:

- Block A Properties (Lines 1 & 2). Reports properties connected during the year.
- Block B Billing (Lines 3-12). Includes a breakdown of all measured and unmeasured household and non-household properties billed by the company. The property numbers should be the average for the reporting year.
- Block C Population (Lines 13-17). This records the population within each of the measured and unmeasured household and non-household categories. The population numbers should be the average for the reporting year.

In keeping with the Utility Regulator guidance, lines 6, 10 and 17 are calculated lines, being the sum of their equivalent lines within the table. The C&OD Services - MI & Data Team complete Blocks A & B, whilst Leakage DMU complete Block C.

The information in this table is used in a number of core corporate calculations such as the water balance calculation and in tariff, charging analysis and determination (water delivered unit cost).

## Data Sources, Data Validation and Data Quality

NI Water's data on property counts and classifications is reported monthly from RapidXtra within the Rapid Property Summary (RPS). The data is extracted from the Diamond Warehouse via Microsoft SQL Server to produce the RPS report.

Our AIR24 methodology has remained consistent with previous years – using the automated Property Model tool to populate Table 7 figures (this was first introduced in AIR12 – the RPS as the input).

The RPS provides us with a snapshot at the end of each month in terms of net movement; however it alone does not support in the explanation of gross movements within the data. The plan is to further enhance the Power BI property models and incorporate these models across the business during 2024/25.
Customer/Property information is updated through:

- BAU ('business as usual') customer contacts, such as new connection requests, customer move in/move outs, or
- through Data Quality initiatives/Projects, and/or
- Metering work streams e.g. UNHH (Selectives), Optants, and Proactive Meter Exchange etc.

Under the Water & Sewerage Services (2006) Order, NI Water were required to install meters on all new household connections from April 2007. This practice has stopped as directed by a change in legislation, which took effect in July 2016. The legislation was amended by Regulations, which in effect relieved NI Water of the obligation to install meters at newly connected domestic properties. As domestic customers are not charged on a measured basis, the property is reported as unmeasured. Some domestic properties were initially reported as measured in AIR10 but this was rectified as per the erratum to AIR10. Depending on the basis for charging when domestic billing is introduced, these customers can be activated as measured household if required.

As per Utility Regulator guidelines, farms were reclassified as billed non-households for AIR09. This classification remains for AIR24 and farms are included in the billed non-households. In AIR08, farms were classified and reported as 'billed' households; on the principle of their status and allocation of 'domestic allowance'.

Data on population continues to be obtained from Northern Ireland Statistics and Research Agency (NISRA), adjusted for the winter months based on information published by the Department for Economy (DFE) and the Central Statistics Office (CSO), Ireland.

The difference between the AIR23 and the AIR24 properties can be explained as follows:

1. New Connections during the 2023/24 reporting year. The figures are based on data supplied by our Customer Connections Team and represent completed connections during the reporting year. The projections for New Connections remain in line with the agreed PC21 forecasts, however, if we notice an upturn or downturn, we will review and amend (during the compilation of the Principle Statement)
2. Added as a result of a customer contact. i.e. septic tank empty request, no water complaint, blocked sewer, updating of standing data e.g. removal of services etc. Within this category there are 2 scenarios:
   (a) The adding of properties NI Water allegedly did not know about
   (b) The adding of duplicates as the customer's address could not be found on Rapid. Rapid may hold the site number but when the customer contacts NI Water, they quote the verified postal address, which is different, therefore creating a duplicate. The street name may also have changed from the time of New Connection to that of customer contact (street names can change in the early stages of site development).
3. Removal/reclassification of properties as a result of data quality initiatives/projects
   (a) Duplicate properties
   (b) Reclassification of properties that were recorded in error
4. Change in occupancy status – movement from void/vacant to occupied and vice-versa.

   For NI Water, accurate property data is fundamental for many systems and processes, including customer service, metering, billing, consumption, leakage and Major Incident Planning & Response. The Rapid Customer Contact System contains the master property data for NI Water.

   As Data Owner for Property Standing Data, The Head of C&OD Services is responsible for the property standing data held by NI Water; this is monitored and managed through the Corporate Property Register (CPR) Project. The C&OD Business Services MI & Data Team chair this group.

   The role of the CPR project is to agree a single consistent source of property data and to ensure that there is appropriate governance, controls and reporting for changes made to core data on the system. As Property Data Owners, we need to ensure the processes around creation, maintenance and demolition of properties are governed and appropriate control points and associated reporting are in place. Control is key for us; as such we have identified the systems, processes and people using property information across the business, alongside confirming data accuracy and endeavouring to reduce the opportunities for erroneous data entry and creation (such as the inability to recreate demolished properties or duplicate properties).

   The issues under consideration were identified as of corporate relevance, therefore, to ensure appropriate direction and governance the CPR was formalised. Key objectives include:

1. To agree a single consistent source of property data.
2. To ensure the source property data represents accurate, up-to-date information appropriate for use by the business.
   a. To understand and agree data primacy in respect of data updates from NI Water and external (Land & Property Services - LPS) sources
   b. To ensure the processes around creation (i.e. New Connections), maintenance and demolition of properties are governed and appropriate control points and associated reporting are in place. i.e. through data validation
   c. To co-ordinate property reconciliations between NI Water & external sources i.e. Data Sharing Agreements between NI Water & LPS, NI Water & Belfast City Council (BCC) etc and understand the reasons and validity of any differences
   d. To understand and ensure the adequacy of long term procedures for database maintenance, including the updating of data standards and associated CDE M&M Plans
3. To ensure the reporting requirements for the business are met relating to data held on Rapid, particularly, but not exclusively, in respect of tariffs, leakage, Annual Information Returns (AIR) & Principle Statement (PS) returns.
4. Challenge the data in the areas of
   a. Data categorisation & structure
   b. Data robustness – i.e. where is our data good and where is there opportunity for improvement? Identify projects that could aid improvement
   c. Data alignment – both internally and externally. Internally between systems such as Rapid, Ellipse, GIS, Diamond, Netbase, IMS etc. Externally through data reconciliations, such as LPS above.
5. To agree measures to improve the quality and integrity of the data, particularly the key CDEs as monitored by IMU
6. To agree the content and frequency of reports required by NI Water.
7. To agree the quality checking criteria for the above data and reporting and develop a Quality Plan including the determination of responsibilities and audit trails.
8. To produce & circulate an ‘operate and maintain’ programme for property data to the business.

   The focus for the CPR project remains the same, including analysis and action on:

   - Creation of an agreed single consistent source of property information, running alongside the CBC3 timelines
   - Volume of properties coming onto the Rapid billing system on a monthly basis
     - new connections
     - customer contact
     - project work
   - Volume of properties coming off the Rapid billing system (demolished)
     - sample check to ensure reason for demolition has been noted and on system audit trail recorded
   - Volume of properties amended on the Rapid billing system
     - In particular, address fields -> building number, street name, town and postcode
     - sampling to identify if the data changes are data improvement or data regression
     - if data regression, further analysis into the process is undertaken
   - Review of access privileges
     - Rapid audit
     - Through monthly audit samples
     - Internal CRs require sign off from CPR team as BAU
     - Working with Echo to review access privileges on an ongoing basis

- Interruptions to supply notices – returned mail
  - This returned mail has been previously brought to the attention of LPS and include properties that LPS have classified as live properties despite being returned as 'no such address' etc
  - The 2 way communication with LPS will help underpin our governance work and provide direction to the business on practices

**Summary**

As Table 7 is based on averages, please find summary table below for 'End March 23' and 'End March 24'. The '1st Dec 2023' are actuals used in the Principal Statement and Tariff Setting process.

| Property Numbers | March 2023 | 1st Dec 2023 | March 2024 | Expected Movement |
|---|---|---|---|---|
| Unmeasured Water Household | 777,704 | 783,669 | 786,219 | Increase |
| Unmeasured Water Non-Household | 9,452 | 9,246 | 9,321 | Decrease |
| Measured Water Non-Household | 72,982 | 73,303 | 73,449 | Increase |
| Voids | 49,960 | 50,177 | 50,201 | General increasing trend |
| **Total** | **910,098** | **916,395** | **919,190** | **Increase** |

**No Water/Well Water**

No Water/Well Water and demolished properties are not included in the Table 7 property count; however their exclusion does not impact on the number of reported 'supplied' properties.

Not all properties are connected to the public water supply system, but some will have a septic tank and will look to NI Water to avail of the free annual septic tank desludging service.

During 22/24 the household no water/well water category increased by 205 and the non-household have decreased by 343. Throughout 23/24, the C&OD Business Services MI & Data Team will continue to sample check the No Water/Well Water category to ensure these properties are truly not connected for water.

**Site Metered Properties**

As part of ongoing data checks, NI Water has been confirming the number of site-metered properties, which are multiple properties being charged through a single meter, such as business parks and industrial estates.

To ensure that these properties are not double counted, they are not included in Table 7 non-domestic property counts (although NI Water retain this information for customer record and charging purposes).

There are 4469 domestic properties (an increase of 141 during 23/24) classified as site meters and there will be further investigation and analysis to be completed during 2024/24 to ensure these are classified correctly.

Overall, the number of non-domestic site meters has increased by circa 96 during 202324. This is as a result of categorisation movements in year such as measured water to site meter and unmeasured water to site meter.

### Unmeasured Not Charged Properties

From the RPS, there are deemed to be 658 (gross) non-domestic 'unmeasured – not charged' properties which (based on sample taken) are mostly NI Water properties. The C&OD Business Services MI & Data Team are currently investigating any 'unmeasured – not charged' properties outside of NI Water ownership to ensure they are classified correctly.

### Unmeasured Household Property Movement

The table below provides a reconciliation of the reporting year property movements and resulting property numbers. It sets out how the properties have changed over the reporting year, due mainly to new connections, alongside some movement in the occupancy status. Note: these reported figures include domestic properties that are metered but as NI Water does not bill households for water, they are reported as unmeasured.

| Property Numbers | March 2023 | 1st Dec 2023 | March 2024 |
|---|---|---|---|
| Unmeasured Water Gross Household (L7 year-end sub calc) | 816564 | 822917 | 824932 |
| Unmeasured Water Occupied Household (L3 year-end sub calc) | 777542 | 784163 | 786219 |
| Unmeasured Water Voids Household | 38860 | 38754 | 38713 |

| Household Voids | Voids | Difference (in-year) |
|---|---|---|
| March 2024 | 38860 | (-) 147 |
| March 2023 | 38860 | (+) 81 |
| March 2022 | 38779 | |

### Measured Household Property Movement

Due to the deferral of domestic charging, NI Water does not bill households for unmeasured or measured water, therefore we don't report figures for measured household property movements (they are included in the unmeasured line as they are not billed)

### Unmeasured Non-Household Property Movement

| Property Numbers | March 2023 | 1st Dec 2023 | March 2024 |
|---|---|---|---|
| Unmeasured Water Gross Non-Household | 15719 | 15541 | 15524 |
| Unmeasured Water Occupied Non-Household (L8 year-end sub calc) | 9452 | 9269 | 9321 |
| Unmeasured Water Voids Non-Household | 6267 | 6272 | 6203 |

### Measured Non-Household Property Movement

| Property Numbers | March 2023 | 1st Dec 2023 | March 2024 |
|---|---|---|---|
| Measured Water Gross Non-Household | 77815 | 78454 | 78734 |
| Measured Water Occupied Non-Household (L9 year-end sub calc) | 72982 | 73303 | 73449 |

| | | | |
|---|---|---|---|
| Measured Water Voids Non-Household | 4833 | 5151 | 5285 |

**Non-Household Voids**

| Non-Household Voids | Voids | Difference (in-year) |
|---|---|---|
| March 2024 | 11488 | (+) 388 |
| March 2023 | 11100 | -(646) |
| March 2022 | 11746 | |

**Confidence Grades**

We have kept the confidence grades consistent with those of AIR23. During the reviews mentioned in the company commentary above, we will retain evidence to support any change in confidence grades.

Whilst the quality of data will improve, the method of extraction and reporting will remain consistent. The automated tool (developed during AIR12) to populate the base property tables has remained in place for AIR24.

**Annex A details the Line Methodology followed for the figures within Table 7 Lines 1-12.**

## A) Properties

### Line 1: Household Properties Connected during the Year

This line represents the number of new household (domestic) properties added within the area of supply during the reporting year (previously not connected for water supply).

The figures are based on the New Connections reported by the Customer Connection Team (CCT), as per embedded document. It is NIW policy to install meters on all Non-Domestic New Connections.

AIR24 NC_.xlsx

Therefore, the number of new household connections for the year is 5107.

| | |
|---|---|
| **Household properties connected during the year** | **5107** |

### Line 2: Non-Household Properties Connected during the Year

This line represents the number of new non-household (non-domestic) properties added within the area of supply during the reporting year (previously not connected for water supply).

The figures are based on the New Connections reported by the Customer Connection Team (CCT), as per embedded document. It is NIW policy to install meters on all Non-Domestic New Connections.

Therefore, the number of new non-household connections for the year is 297.

| | |
|---|---|
| **Non-Household properties connected during the year** | **297** |

## B) Billing

### Line 3: Households Billed Unmeasured water

Due to the deferral of domestic charging, NI Water does not bill households for unmeasured or measured water.

Void properties have been excluded, so occupied numbers only used.

This is calculated from the monthly Rapid Property Summary for AIR24 (dated 31st March 2024) as attached below.

RPS March 24.xlsx

| Households Billed Unmeasured Water | End March 2023 | End March 2024 |
|---|---|---|
| Household – Unmeasured | 729957 | 738095 |
| Household - Measured – Not Charged (test meters) | 8 | 4 |
| Household - Measured | 44766 | 45055 |
| Household - Site Meters | 2957 | 3049 |
| Unmeasured - Not Charged | 16 | 16 |
| Total | 777704 | 786219 |
| **Average (Apr23/Apr24)** | **781962** | |

The figure represents the number of unmeasured domestic properties that would have been billed had charging been introduced.

**Line 4: Households Billed Measured Water (external meter)**

Due to the deferral of domestic charging, NI Water does not bill households for measured water. Therefore, any domestic properties that would have been included in line 4 are now included in line 3, as per AIR10 erratum, Reporters Recommendations and Undertaking A Agreement.

| Households Billed Measured Water (external meter) | End March 2023 | End March 2024 |
|---|---|---|
| | 0 | 0 |
| **Average (Apr23/Apr24)** | **0** | |

**Line 5: Households Billed Measured Water (not external meter)**

Due to the deferral of domestic charging, NI Water does not bill households for measured water.

Average number of billed metered households (not externally metered).

An internal meter is one located inside the customer's property or attached to the property at above ground level in a box or cabinet. All other meters should be classed as external with void properties excluded.

| Households Billed Measured Water (internal meter) | End March 2023 | End March 2024 |
|---|---|---|
| | 0 | 0 |
| **Average (Apr23/Apr24)** | **0** | |

**Line 6: Households Billed Water**

Average number of households billed for water within the water supply area.

Calculated by adding AIR23 Table 7 lines 3, 4 and 5

| Households Billed Water | Average 23/24 |
|---|---|
| Households billed unmeasured water (Line 3) | 781962 |
| Households billed measured water (external meter) (Line 4) | 0 |
| Households billed measured water (not external meter) (Line 5) | 0 |
| **Total** | **781962** |

The figure represents the number of domestic properties that would have been billed had charging been introduced.

**Line 7: Household Properties (water supply area)**

This is the number of connected household properties within the water supply area, including void properties.

This is calculated from the monthly Rapid Property Summary for AIR24 (dated 31st March 2024)

| Household Properties (Water Supply Area) | End March 2023 | End March 2024 |
|---|---|---|
| Unmeasured | 762648 | 770591 |
| Measured – Not Charged (Test) | 8 | 5 |
| Measured | 49563 | 49850 |
| Site Meters | 4328 | 4469 |
| Unmeasured - Not Charged | 17 | 17 |
| Total | 816564 | 824932 |
| **Average (Apr23/Apr24)** | **820748** | |

**Line 8: Non-Household Billed Unmeasured Water**

This is the average number of non-households billed for unmeasured water within the supply area, calculated from the Rapid Property Summary.

Figures are based on the average of End March 2023 and End March 2024 non-domestic unmeasured properties.

| Non-Households Billed Unmeasured Water | End March 2023 | End March 2024 |
|---|---|---|
| | 9452 | 9321 |
| **Average (Apr23/Apr24)** | **9387** | |

**Line 9: Non-Household Billed Measured Water**

This figure represents the average number of non-households billed for measured water within the supply area, calculated from the Rapid Property Summary.

Figures are based on the average of End March 2023 and End March 2024 non-domestic measured properties.

| Non-Households Billed Measured Water | End March 2023 | End March 2024 |
|---|---|---|
| | 72982 | 73449 |
| **Average (Apr22/Apr23)** | **73216** | |

Site metered properties are a subset of the overall non-domestic billed measured water customer base, therefore not included in the figure above to avoid duplication. E.g. Where multiple businesses/properties are served through one site meter, only the landlord or business park management is considered as the customer.

**Line 10: Non-Household Billed Water**

This figure represents the average number of non-households billed for water within the supply area.

This is calculated from the Rapid Property Summary for AIR 24, excluding voids.

The sum of AIR24 Table 7 lines 8 & 9

| Non-Households Billed Water | Average 23/24 |
|---|---|
| Non-Households Billed Unmeasured Water (Line 8) | 9387 |
| Non-Households Billed Measured Water (Line 9) | 73216 |
| **Total** | **82602** |

**Line 11: Non-Household Properties (water supply area)**

This is the average number of connected non-household properties within the water supply area, including void properties, calculated from the Rapid Property Summary.

| Non-Household Properties (Water Supply Area) | End March 2023 | End March 2024 |
|---|---|---|
| Unmeasured | 15719 | 15524 |
| Measured | 77815 | 78734 |
| Total | 93534 | 94258 |
| **Average (Apr22/Apr23)** | **93896** | |

**Line 12: Void Properties**

This is the average number of properties, within the supply area, which are connected to the distribution system but do not receive a charge, as there are no occupants – (voids). This is calculated from the Rapid Property Summary.

| Void Properties (Water Supply Area) | End March 2023 | End March 2024 |
|---|---|---|
| Non-Household – Unmeasured | 6267 | 6203 |
| Non-Household – Measured | 4833 | 5285 |
| Household – Unmeasured | 32691 | 32496 |
| Household - Measured | 4797 | 4795 |
| Household – Measured - Not Charged (Test) | 0 | 1 |
| Household – Site Meters | 1371 | 1420 |
| Household - Not Charged | 1 | 1 |
| Total | 49960 | 50201 |
| **Average** | **50081** | |

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 8 NON FINANCIAL MEASURES
WATER METERING (TOTAL)

| | DESCRIPTION | UNITS | DP | 1 REPORTING YEAR 2015-16 | CG | 2 REPORTING YEAR 2016-17 | CG | 3 REPORTING YEAR 2017-18 | CG | 4 REPORTING YEAR 2018-19 | CG | 5 REPORTING YEAR 2019-20 | CG | 6 REPORTING YEAR 2020-21 | CG | 7 REPORTING YEAR 2021-22 | CG | 8 REPORTING YEAR 2022-23 | CG | 9 REPORTING YEAR 2023-24 | CG | 10 REPORTING YEAR 2024-25 | CG | 11 REPORTING YEAR 2025-26 | CG | 12 REPORTING YEAR 2026-27 | CG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A** | **HOUSEHOLD METER INSTALLATION** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Selective meters - installed | nr | 0 | 5,218 | B3 | 1,395 | B3 | 0 | B3 | 0 | A1 | 0 | B3 | 0 | B3 | 0 | A1 | 0 | A1 | 0 | A1 | | | | | | |
| 2 | Meter optants installed | nr | 0 | 0 | A1 | 0 | A1 | 0 | A1 | 0 | A1 | 0 | A1 | 0 | A1 | 0 | A1 | 0 | A1 | 0 | A1 | | | | | | |
| 3 | Meters installed - external meter with existing or new boundary box | nr | 0 | 5,218 | B3 | 1,395 | B3 | 0 | B3 | 0 | A1 | 0 | B3 | 0 | B3 | 0 | A1 | 0 | A1 | 0 | A1 | | | | | | |
| 4 | Meters installed - external meter without boundary box | nr | 0 | 0 | A1 | 0 | A1 | 0 | A1 | 0 | A1 | 0 | A1 | 0 | A1 | 0 | A1 | 0 | A1 | 0 | A1 | | | | | | |
| 5 | Meters installed - internal meter | nr | 0 | 0 | A1 | 0 | A1 | 0 | A1 | 0 | A1 | 0 | A1 | 0 | A1 | 0 | A1 | 0 | A1 | 0 | A1 | | | | | | |
| 6 | No. of meter installation requests outstanding for greater than three months | nr | 0 | 0 | A1 | 0 | A1 | 0 | A1 | 0 | A1 | 0 | A1 | 0 | A1 | 0 | A1 | 0 | A1 | 0 | A1 | | | | | | |
| **B** | **NON HOUSEHOLD METER INSTALLATION** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Selective meters - installed | nr | 0 | 473 | B2 | 449 | B2 | 601 | B2 | 699 | B2 | 708 | B2 | 721 | B2 | 500 | B2 | 467 | B2 | 497 | B2 | | | | | | |
| 7a | Number of non household meters renewed | nr | 0 | 9,830 | B2 | 9,671 | B2 | 3,156 | B2 | 3,150 | B2 | 3,344 | B2 | 6,927 | B2 | 3,712 | B2 | 4,871 | B2 | 11,019 | B2 | | | | | | |
| 8 | Meter optants installed | nr | 0 | 20 | B2 | 57 | B2 | 61 | B2 | 52 | B2 | 71 | B2 | 46 | B2 | 63 | B2 | 65 | B2 | 45 | B2 | | | | | | |
| 9 | Meters installed - external meter with existing or new boundary box | nr | 0 | 469 | B2 | 452 | B2 | 614 | B2 | 709 | B2 | 706 | B2 | 733 | B2 | 523 | B2 | 473 | B2 | 480 | B2 | | | | | | |
| 10 | Meters installed - external meter without boundary box | nr | 0 | 22 | B3 | 38 | B3 | 37 | B3 | 35 | B3 | 61 | B2 | 30 | B3 | 36 | B3 | 43 | B3 | 50 | B3 | | | | | | |
| 11 | Meters installed - internal meter | nr | 0 | 2 | B2 | 16 | B2 | 11 | B2 | 7 | B2 | 12 | B2 | 4 | B2 | 4 | B2 | 16 | B2 | 12 | B2 | | | | | | |
| 12 | No. of meter installation requests outstanding for greater than three months | nr | 0 | 2 | B2 | 6 | B2 | 4 | B2 | 0 | B2 | 4 | B2 | 5 | B2 | 1 | B2 | 4 | B2 | 1 | B2 | | | | | | |
| **C** | **WATER DEMAND AT RECENTLY METERED NON-HOUSEDHOLD PROPERTIES** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | Average water billed - selective metered properties | l/prop/d | 2 | 384.09 | B3 | 532.55 | B3 | 580.74 | B3 | 628.33 | B3 | 440.49 | B3 | 221.39 | B3 | 518.59 | B3 | 584.98 | B3 | 625.71 | B3 | | | | | | |

## Table 8 – Non Financial Measures – Water Metering

Regulations made in 2016 removed the Art 81 obligation on NI Water to meter newly connected domestic premises.

### Line - 1 Selective meter's installed

NI Water no longer installs meters at newly connected domestic premises for reasons stated above, no domestic premises had meters fitted in the reporting year.

### Line 3 - Meters Installed – external meter with existing boundary box

All newly connected domestic properties are provided with a boundary box at or as close to the boundary as possible when connected to the water main. As such all new domestic properties have the capability to have a water meter fitted.

NI Water no longer installs meters at newly connected domestic premises for reasons stated above, no domestic premises had meters fitted in the reporting year.

### Lines 7-12 - Non household meter installation

NIW installs water meters at newly connected non-domestic premises as per the obligation associated with Article 81 of The Water and Sewerage Services (Northern Ireland) Order 2006.

The company in an attempt to increase its meter penetration where permissible is continuing to install meters across its non-domestic revenue generating customer base, providing it is technically possible to do so.

### Line 7 - Selective meters installed

Meters installed at the behest of NI Water include those properties selected because they are new non-domestic connections or fall into the selective category. The total selective meter installs for the year was 497. New connections accounted for 45 large and 261 small diameter installations, the other 191 installations are classed as selectives performed by the metering contractor and NIW staff.

### Line 7a - Number of non-household meters renewed

NIW has a reactive meter maintenance section within the MCT and reactively replaces meters and street furniture associated with meters. The maintenance activities are driven by reports generated by the meter readers, meter query technicians and project teams. All Meter Maintenance Requests (MMR's) are opened as cases on the corporate case management system (Savvion) and issued to the contractor via a daily batch. The returned data is processed automatically via uploads to the Savvion system and any rejects go to various queues within the system monitored and progressed by NIW teams. The meter maintenance process is an end-to-end process managed by the metering section using a corporate process flow system known as Savvion linked to the corporate billing system. During the reporting year NIW meter maintenance section replaced 1678 meters through the RMM process.

NIW also had a Proactive Meter Exchange (PME) programme which was designed to target a number of small diameter meters exchanges each year. The meters selected for exchange are those deemed to be 17 years of age or more and where possible those meters with a whole life consumption reading >8000m3. The methodology has changed in agreement with the UR, by targeting meters due to hit their PME criteria within the PC21 period. This change

in approach has increased the efficiency both at time of installation and operationally, as the benefits of AMR meters can only be achieved when a large % of the walks are AMR enabled.

NIW exchanged 2996 meters under the PME programme, up from 2298 PME replacements in 22/23.

An additional 354 meters were replaced through an Engineering and Procurement contract for water mains rehabilitation.

Other teams within NI Water replaced a total of 5991 meters during the course of their activities and investigations.

The total number of meters replaced by NIW in the reporting year combining all of the above work streams was 11,019 meters, this is more than AIR 23 (4871 meters renewed). The majority of these additional meter replacements where due to proactive work carried out by NIW staff. This targeted approach aimed to increase AMR penetration and to target entire areas to enable read efficiencies to be realised.

**Line 8 - Meter optants installed**

NIW will install meters at existing non-domestic premises when a customer requests a meter and providing it is technically possible to do so. An optants process is in operation and has been communicated across the company to include the Customer Services Centre (CSC). If an unmeasured customer contacts the company and requests the option to have their premises billed as a measured (metered) property and it is determined following a survey to be possible, a meter will be installed. It is the company preference to install meters externally in boundary boxes or in chambers however if this is not technically possible an internal meter may be considered. The total number of non-domestic meter optants for the reporting year was 45.

**Line 9 - Meters installed – external meter with existing boundary box**

NI Water continues to actively install external meters across a number of metering work streams which includes optants and other selective non-domestic customer properties. While the majority of these are fitted in existing boundary boxes which essentially entails screwing in a meter, other installations can only be completed with the replacement of the boundary box. This involves replacing legacy stop tap boxes often referred to as ‘Toby’ boxes and replacing them with modern proprietary boundary box units. The total number of non-domestic meters installed within this category was 480.

**Line 10 - Meters installed – external meter without boundary box**

NI Water Developer Services Team (DS) is responsible for coordinating new non-domestic water connections and meter installations >32mm diameter. These large connections by the nature of their size require a chamber constructed to facilitate the meter and valves installations, these totalled 45 in the reporting year, with an additional 5 LD meters being installed proactively by the company not as a result of a new connection, giving a total of 50 installed in the reporting year.

**Line 11- Meters installed – internal meters**

NI Water’s preference is to install meters externally when possible. Internal installations are only considered and undertaken when the possibility of an external installation has been discounted because of engineering difficulties or an inability to capture the total volume of water entering a property. Internal meters have been installed across the selective and

optant metering programmes. The total number of internal non-domestic meter installations completed this reporting year was 12.

**Line 12 - No. of meter installation requests outstanding for greater than three months**

The number of non-household optant meter installation requests that took longer than 3 months to complete were 1.

**Line 13 – Average Water Billed - Selective Metered Properties**

The meters uploaded to Rapid during the previous reporting year (2023/24) are the focus for this line, along with the consumption usage throughout the 2023/24 reporting year.

The TRIMMEAN function was applied to the consumption to ensure the result was a true average. There were some very high and very low consumption, which would have skewed the results.

The figure reported for Line 13 is 625.71 l/prop/day, an increase of 40.73 l/prop/day from AIR24. To demonstrate the range of consumption for AIR23 and AIR24, please see table below:

| Consumption Band ($m^3$) | AIR23 | AIR24 |
|---|---|---|
| 1-1000 | 1471 | 673 |
| > 1000 | 154 | 65 |
| **Total (excl. zeros)** | 1625 | 738 |

The embedded document below details the meter industry codes of the meters included in this calculation. The categories where there have been an increase in the number of meters have been highlighted - This will help to explain/justify the increase in the l/prop/day volume.

AIR24 MIC.xlsx

NORTHERN IRELAND WATER LIMITED COMPANY - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 9 NON FINANCIAL MEASURES
WATER QUALITY (TOTAL)

| | DESCRIPTION | UNITS | DP | 1 REPORTING YEAR 2015-16 | CG | 2 REPORTING YEAR 2016-17 | CG | 3 REPORTING YEAR 2017-18 | CG | 4 REPORTING YEAR 2018-19 | CG | 5 REPORTING YEAR 2019-20 | CG | 6 REPORTING YEAR 2020-21 | CG | 7 REPORTING YEAR 2021-22 | CG | 8 REPORTING YEAR 2022-23 | CG | 9 REPORTING YEAR 2023-24 | CG | 10 REPORTING YEAR 2024-25 | CG | 11 REPORTING YEAR 2025-26 | CG | 12 REPORTING YEAR 2026-27 | CG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | WATER TREATMENT AND DISTRIBUTION | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Lines 1 to 5 not used | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | DISTRIBUTION INPUT COVERED BY WORK PROGRAMMES AGREED WITH DWI | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Raw water deterioration | Ml/d | 3 | 15.364 | A2 | 15.322 | A2 | 44.561 | A2 | 49.970 | A2 | 44.225 | A2 | 44.422 | A2 | 44.052 | A2 | 46.321 | A2 | 46.623 | A2 | | | | | | |
| 7 | Conditioning water supplies to reduce plumbosolvency | Ml/d | 3 | 562.876 | A2 | 571.703 | A2 | 570.584 | A2 | 594.486 | A2 | 588.510 | A2 | 593.669 | A2 | 609.531 | A2 | 604.285 | A2 | 609.187 | A2 | | | | | | |
| 8 | Reducing the risk from Cryptosporidium | Ml/d | 3 | 0.000 | A1 | 0.000 | A1 | 0.000 | A1 | 0.000 | A1 | 0.000 | A2 | 0.000 | A1 | 0.000 | A1 | 0.000 | A1 | 0.000 | A1 | | | | | | |
| 9 | Other | Ml/d | 3 | 0.000 | A1 | 0.000 | A1 | 0.000 | A1 | 202.164 | A2 | 203.819 | A2 | 0.000 | A1 | 0.000 | A1 | 0.000 | A1 | 0.000 | A1 | | | | | | |

# Table 9 – Water Quality

## Background – Year on Year

Drinking water quality compliance in 2023 was above the target level set for all water quality monitoring measures.

The perceived quality of water supplied by NI Water to customers has risen slightly over the last number of years:

- NI Water now assesses compliance using % Overall Compliance across customer tap, WTWs, SRs and Authorised Supply Points rather than Mean Zonal Compliance. Under this means of assessment, NI Water's compliance has risen slightly from 99.91% in 2022 to 99.92% in 2023 (figure assessed by NI Water - waiting for confirmation from DWI).
- The Drinking Water OPA (based on turbidity, iron, manganese, faecal coliforms, Total Trihalomethanes (THM) and aluminium at customer tap) has reduced from 99.63% in 2022 to 99.50% in 2023. This is largely due to an increased number of THM exceedances.
- The percentage compliance measured at Water Treatment Works (WTWs) has stayed reasonably stable from 99.95% in 2022 to 99.97% in 2023.
- The percentage compliance measured at Service Reservoir (SR) has stayed reasonable stable from 99.94% in 2022 to 99.96% for 2023.

The previous method of compliance assessment (Mean Zonal Compliance) gave undue emphasis on individual exceedances in small zones. The % Overall Compliance methodology treats all exceedances with the same emphasis.

## Line 6 – Raw water deterioration

The data used for the estimation of average flow at WTWs in Table 9 lines 6-9 was supplied from operations leakage metering. For this return the Distribution Input was calculated as the average daily flow from the various individual sites or amalgamation of associated readings obtained from leakage metering. In accordance with the guidance, sites that were out of service at the end of the reporting period (the calendar year) will have been excluded and wouldn't be listed here.

Over the past number of years, NI Water's WTWs have had a number of exceedances of the pesticide MCPA. A programme of enhanced monitoring for MCPA has been setup for these sites. DWI is content with the above enhanced programme and the sites have not been included in the calculations.

Authorised Departures are no longer likely to be used as regulatory instruments against NIW by DWI. Notice under Regulation 31(4)(b) and Enforcement Orders (including "Consideration of Provisional Enforcement Orders", "Provisional Enforcement Orders") are now the methodology by which NIW is regulated by DWI.

A PEO for Derg WTW was opened in 2016 due to contravention of the Regulatory Standard for the pesticide MCPA. This was closed in 2019, and replaced with a Regulation 31(4)b notice, which was reissued December 2023. This reissued Regulation 31(4)b Notice was closed by the DWI in January 2024 after the remit of this AIR return.

A CPEO for Ballinrees WTW was opened in 2017 for the pesticide MCPA. This was closed in 2019, and replaced with a Regulation 31(4)b notice which is ongoing (reissued December 2023).

Including Derg WTW and Ballinrees WTW, the volume for Raw Water deterioration is therefore 46.623 Ml/d.

**Line 7 – Conditioning water supplies to reduce Plumbosolvency**

NI Water, as required by the Drinking Water Regulations (Regulation 32), has put in place orthophosphoric acid dosing to control plumbosolvency in the distribution system. This control measure is agreed with the DWI and the Health Authorities. The average initial dose rate was approximately 1 mg/l following propensity testing. The level of dosing is reviewed annually against compliance with existing lead standards, with DWI being informed as to the proposed dosing rates. DWI has the opportunity to query the proposed dose rates. Following the annual review, the dose rates were adjusted as agreed.

| Site Name | Average Dosed Water (Ml/d) |
|---|---|
| Altnahinch | 8.543 |
| Ballinrees | 29.068 |
| Belleek | 1.572 |
| Carmoney | 18.587 |
| Carran Hill | 5.693 |
| Castor Bay | 104.107 |
| Caugh Hill | 19.492 |
| Clay Lake | 4.354 |
| Derg | 17.555 |
| Dorisland | 24.817 |
| Drumaroad | 101.373 |
| Dungonnell | 8.826 |
| Dunore Point | 115.249 |
| Fofanny | 36.333 |
| Forked Bridge | 11.639 |
| Glenhordial | 4.001 |
| Killyhevlin | 27.187 |
| Killylane | 11.482 |
| Lough Bradan | 8.548 |
| Lough Fea | 13.113 |
| Lough Macrory | 11.309 |
| Moneymore | 0.418 |
| Moyola | 15.528 |
| Seagahan | 10.393 |
| **Total:** | **609.187** |

**Line 8 – Reducing the risk from Cryptosporidium**

DWI approved Cryptosporidium risk assessments were previously carried out on all sources annually and showed effective barriers existed at all NI Water's treatment works.

The risk assessment for Cryptosporidium in the treated drinking water supply is carried out under the Drinking Water Safety Plan (DWSP) Regulation 31 Report for the treatment works and supply systems. The DWSP assesses the risk in the catchment and the treatment works pre and post control measures. The post control risk demonstrates if the treatment process has effective barriers in place to control the risk in the treated drinking water supply to low risk. The DWSPs are revised at least annually and submitted to the DWI.

Under the current guidance, which requires that this should be assessed against sites with “legally binding instruments”, NI Water has no sites which fall into this category.

The return for this line is therefore 0 Ml/d.

**Line 9 – Other**

No other legal instruments were put in place during 2023 (see appendix).
The return for this line is 0 Ml/d.

**Confidence Grades**

Confidence grades used in returns are based on OFWAT guidance documentation.

**Appendix – Lines 6, 8 & 9**

| Site | Regulatory Enforcement | Parameter | Date Issued | Date Closed |
|---|---|---|---|---|
| Derg WTW | Reg. 31(4)(b) Notice 2020/001 | MCPA | 30.06.2020 | 22.01.2024 |
| Ballinrees WTW | Reg. 31(4)(b) Notice 2023/001 | MCPA | 18.12.2023 | Ongoing |
| Ballinrees WTW | Reg. 31(4)(b) Notice 2023/002 | Taste & Odour | 18.12.2023 | Ongoing |
| Drumaroad WTW | Reg. 31(4)(b) Notice 2021/001 | Aluminium | 08.07.2021 | Ongoing |

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 10 NON FINANCIAL MEASURE
WATER DELIVERED (TOTAL)

| | DESCRIPTION | UNITS | DP | 1 REPORTING YEAR 2015-16 | CG | 2 REPORTING YEAR 2016-17 | CG | 3 REPORTING YEAR 2017-18 | CG | 4 REPORTING YEAR 2018-19 | CG | 5 REPORTING YEAR 2019-20 | CG | 6 REPORTING YEAR 2020-21 | CG | 7 REPORTING YEAR 2021-22 | CG | 8 REPORTING YEAR 2022-23 | CG | 9 REPORTING YEAR 2023-24 | CG | 10 REPORTING YEAR 2024-25 | CG | 11 REPORTING YEAR 2025-26 | CG | 12 REPORTING YEAR 2026-27 | CG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | WATER DELIVERED - VOLUMES | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Billed measured household | Ml/d | 2 | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | | | | | | |
| 2 | Billed measured non-household | Ml/d | 2 | 118.03 | | 120.58 | | 122.02 | | 128.40 | | 123.89 | | 115.19 | | 126.19 | | 131.32 | | 132.15 | | | | | | | |
| 3 | Billed measured | Ml/d | 2 | 118.03 | | 120.58 | | 122.02 | | 128.40 | | 123.89 | | 115.19 | | 126.19 | | 131.32 | | 132.15 | | | | | | | |
| 4 | Billed unmeasured household | Ml/d | 2 | 294.86 | | 302.76 | | 304.82 | | 315.93 | | 317.76 | | 342.21 | | 343.11 | | 324.48 | | 329.04 | | | | | | | |
| 5 | Billed unmeasured non-household | Ml/d | 2 | 5.28 | | 5.17 | | 5.14 | | 5.49 | | 5.53 | | 4.52 | | 5.14 | | 5.73 | | 5.57 | | | | | | | |
| 6 | Billed unmeasured | Ml/d | 2 | 300.14 | | 307.93 | | 309.96 | | 321.42 | | 323.29 | | 346.73 | | 348.25 | | 330.21 | | 334.61 | | | | | | | |
| B | WATER DELIVERED - COMPONENTS | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Estimated water delivered per unmeasured non-household | l/prop/d | 2 | 595.87 | B4 | 601.02 | B4 | 596.08 | B4 | 637.41 | B4 | 633.38 | B4 | 518.41 | B4 | 564.65 | B4 | 601.32 | B4 | 600.80 | B4 | | | | | | |
| 7a | Estimated water delivered per unmeasured household | l/prop/d | 2 | 418.97 | B3 | 422.25 | B3 | 417.91 | B3 | 426.75 | B4 | 423.56 | B3 | 451.25 | B3 | 447.90 | B3 | 419.39 | B3 | 416.52 | B3 | | | | | | |
| 8 | Per capita consumption (unmeas'd h'hold - excl s/pipe leakage) | l/h/d | 2 | 148.42 | B3 | 151.89 | B3 | 152.35 | B3 | 158.13 | B4 | 158.00 | B3 | 170.83 | B3 | 171.67 | B3 | 160.17 | B3 | 162.74 | B3 | | | | | | |
| 9 | Per capita consumption (meas'd h'hold - excl s/pipe leakage) | l/h/d | 2 | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | | | | | | |
| 10 | Underground supply pipe leakage (unmeas'd households) | l/prop/d | 2 | 50.38 | | 49.62 | | 48.92 | | 48.29 | | 47.71 | | 47.21 | | 44.85 | | 44.85 | | 42.40 | | | | | | | |
| 11 | Underground supply pipe leakage (ext. metered households) | l/prop/d | 2 | 25.19 | | 24.81 | | 24.46 | | 24.15 | | 23.86 | | 23.61 | | 22.43 | | 22.43 | | 21.20 | | | | | | | |
| 12 | Underground supply pipe leakage (other metered h'holds) | l/prop/d | 2 | 50.38 | | 49.62 | | 48.92 | | 48.29 | | 47.71 | | 47.21 | | 44.85 | | 44.85 | | 42.40 | | | | | | | |
| 13 | Underground supply pipe leakage (void properties) | l/prop/d | 2 | 50.38 | | 49.62 | | 48.92 | | 48.29 | | 47.71 | | 47.21 | | 44.85 | | 44.85 | | 42.40 | | | | | | | |
| 14 | Meter under-registration (measured households) | Ml/d | 2 | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | | | | | | |
| 15 | Meter under-registration (measured non-households) | Ml/d | 2 | 8.52 | | 8.22 | | 7.81 | | 7.63 | | 6.87 | | 6.18 | | 6.74 | | 7.05 | | 7.03 | | | | | | | |
| 16 | Distribution system operational use | Ml/d | 2 | 3.05 | | 2.93 | | 3.51 | | 3.20 | | 3.05 | | 3.14 | | 3.27 | | 2.84 | | 2.59 | | | | | | | |
| 17 | Water taken legally unbilled | Ml/d | 2 | 16.80 | | 16.40 | | 17.57 | | 16.76 | | 15.09 | | 12.24 | | 10.47 | | 17.31 | | 15.69 | | | | | | | |
| 18 | Water taken illegally unbilled | Ml/d | 2 | 0.38 | | 0.68 | | 0.66 | | 0.69 | | 0.62 | | 0.62 | | 0.63 | | 0.62 | | 0.62 | | | | | | | |
| 19 | Water taken unbilled | Ml/d | 2 | 17.18 | | 17.08 | | 18.23 | | 17.45 | | 15.71 | | 12.86 | | 11.10 | | 17.93 | | 16.31 | | | | | | | |
| 20 | Water delivered (potable) | Ml/d | 2 | 435.35 | | 445.59 | | 450.21 | | 467.27 | | 462.89 | | 474.78 | | 485.54 | | 479.46 | | 483.07 | | | | | | | |
| 21 | Water delivered (non-potable) | Ml/d | 2 | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | | | | | | |
| 22 | Water delivered (non-standard rates: potable) | Ml/d | 2 | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | | | | | | |
| 23 | Water delivered (non-standard rates: non-potable) | Ml/d | 2 | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | | | | | | |
| 24 | Distribution losses | Ml/d | 2 | 122.08 | | 123.52 | | 122.52 | | 120.23 | | 120.62 | | 117.80 | | 117.13 | | 123.79 | | 118.08 | | | | | | | |
| 25 | Total leakage | Ml/d | 2 | 161.99 | B3 | 163.43 | B3 | 162.43 | B3 | 160.14 | B3 | 160.53 | B3 | 157.71 | B3 | 155.64 | B3 | 162.30 | B3 | 155.35 | B3 | | | | | | |
| 26 | Distribution input | Ml/d | 2 | 560.48 | B2 | 572.04 | B2 | 576.24 | B2 | 590.70 | B2 | 586.56 | B2 | 595.72 | B2 | 605.94 | B2 | 606.09 | B2 | 603.74 | B2 | | | | | | |
| 27 | Bulk supply imports | Ml/d | 2 | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | | | | | | |
| 28 | Bulk supply exports | Ml/d | 2 | 0.73 | | 0.34 | | 0.44 | | 0.39 | | 0.34 | | 0.41 | | 0.40 | | 0.44 | | 0.49 | | | | | | | |
| 29 | Water treated at own works to own customers | Ml/d | 2 | 559.75 | | 571.70 | | 575.80 | | 590.31 | | 586.22 | | 595.31 | | 605.54 | | 605.65 | | 603.25 | | | | | | | |
| 30 | Overall water balance | CG | | | A2 | | B2 | | B2 | | B2 | | B2 | | B2 | | B2 | | B2 | | B2 | | | | | | |
| C | SECURITY OF SUPPLY | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | Security of supply index - company's planned levels of service | nr | 0 | 100 | | 100 | | 100 | | 100 | | 100 | | 99 | | 100 | | 99 | | 100 | | | | | | | |
| 32 | Security of supply index - reference levels of service | nr | 0 | | | | | | | | | | | | | N/a | | N/a | | N/a | | | | | | | |

# Table 10 – Non Financial Measures - Water Delivered

## Introduction

NI Water continues to follow the methodology as described in Chapter 10 of the Utility Regulator (UR) AIR24 Reporting Requirements and Definitions manual March 2024. In doing so it has adhered to the methodologies for estimating the water balance set out in the Demand Forecasting Methodology report produced by NERA on behalf of UKWIR.

NI Water uses the Sustainable Economic Level of Leakage (SELL) study as the method of deriving company leakage targets and to inform the PC21 business plan. As a result of the SELL study, utilising base year data from 2018/19, NI Water has challenged themselves with a target to reduce leakage to 150 Ml/d over the six year period of PC21 (April 2021 to March 2027). The UR final determination has agreed the 150 Ml/d target.

For AIR22, the first year of the 6-year PC21 period, the reconciled leakage target was 157.0 Ml/d. NI Water reported for AIR22 a reconciled leakage figure of 155.6 Ml/d.
For AIR23 the reconciled leakage target was 156.0 Ml/d. NI Water reported for AIR23 a reconciled leakage figure of 162.3 Ml/d.
For AIR24 the reconciled leakage target was 154.0 Ml/d. NI Water is reporting, for AIR24, a reconciled leakage figure of 155.3 Ml/d.

For AIR24, the pre-MLE bottom-up leakage figure of 151.50 Ml/d equated to a decrease of 8.1 Ml/d from AIR23.

During the PC21 period to date, societal and commercial interpretations of a post-COVID world continue to impact on NI Water's commitment to deliver its customer demand requirements. In addition, intense weather events, whether hot or cold, wet or dry, also dictate how NI Water operates during, and recovers from, these events.
The water industry is working to understand how these influences on the distribution network affect demand strategies and impact leakage.

In summary, the outputs of this water balance are that the Integrated Flow Method of leakage assessment has given a figure of 177.62 Ml/d for total leakage and the Minimum Night Flow Method has provided a figure of 151.50 Ml/d. When the resulting imbalance between the two methods of 26.12 Ml/d is compared to the Distribution Input figure of 606.54 Ml/d (pre-MLE), it provides a percentage discrepancy of 4.31%. This remains within the 5% tolerance set to enable a Maximum Likelihood Estimation method to be applied, using the squares method, and produces a reconciled leakage figure of 155.35 Ml/d. This figure is 1.35 Ml/d behind the profiled leakage target of 154.0 Ml/d for Year 3 of PC21.

This commentary will provide an analysis of Leakage performance and reporting during AIR24.

## Demand Analysis

The pre-MLE distribution input for AIR24 was 606.5 Ml/d, a decrease of 1.3 Ml/d from 607.8 Ml/d reported in AIR23.

The graph in Fig.1 below illustrates the monthly distribution input for AIR24 and includes the previous 5-year distribution input back to AIR19 for comparison. The graph shows that a summer demand was observed in June 2023 and of similar magnitude to that observed in July 2021.

From September 2023 to February 2024, the DI did not achieve the previous low levels observed for these months, and may be attributed to the increased rainfall and subsequent ground saturation levels resulting in ground and pipe movements.

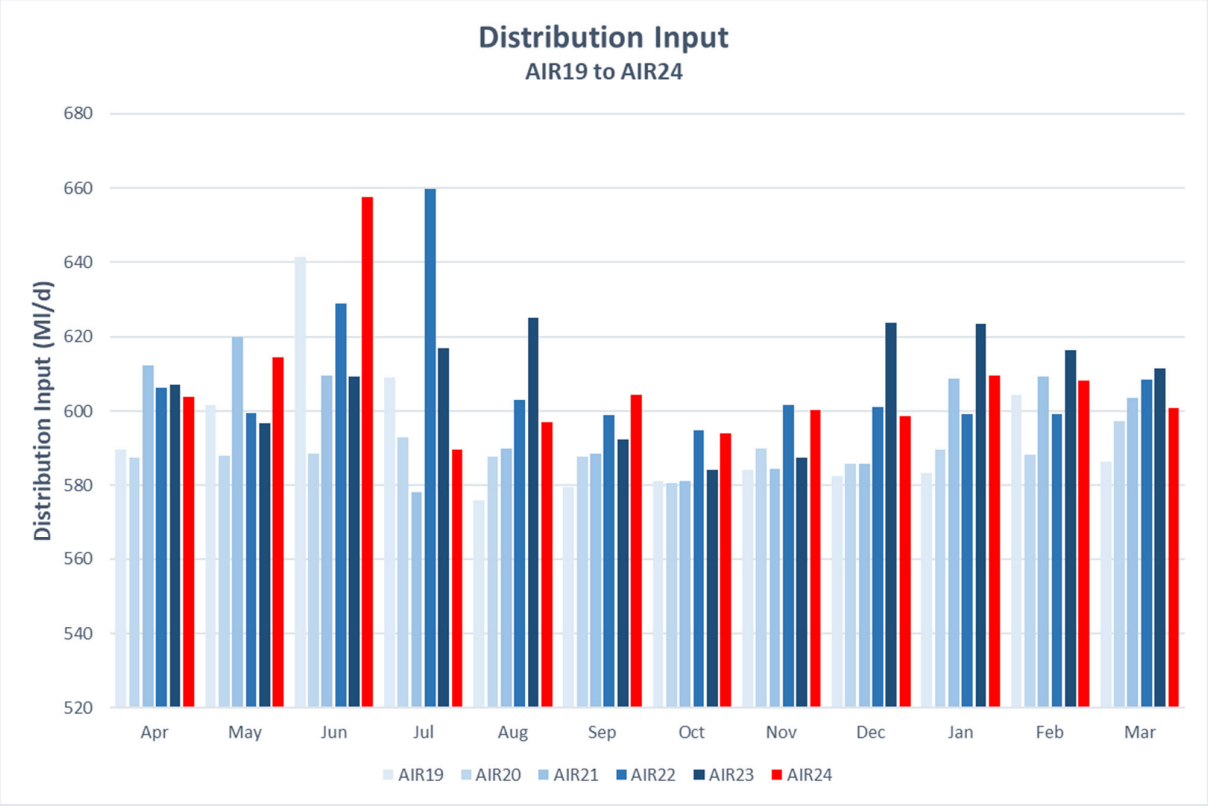



Fig. 1

As noted in AIR23, the occurrence of a freeze/thaw in December 2022, after three weeks of negative average weekly ground temperatures, resulted in increased leakage across the majority of DMAs. The leakage recovery from this event extended into early AIR24 reporting and it is likely that the impact of this event on customer supplies, in conjunction with saturated ground conditions from July 2023 onwards, resulted in the reporting of an increased number of customer-side defects. The number of reported customer-side defects was just 18 fewer than those reported during the freeze/thaw year 2010/11, Fig. 2.

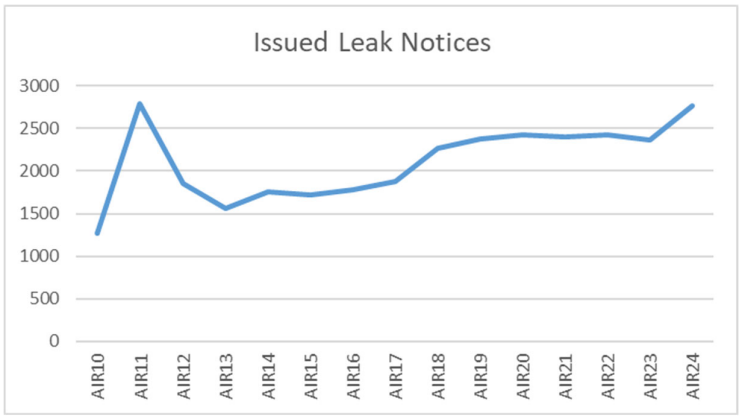



Fig. 2

As noted in previous commentaries, water companies are yet to understand the social and commercial impact that a global pandemic has brought to the water industry and future demand strategies. In addition, changes experienced in global weather patterns will also bring uncertainty within the industry.

Fig. 3 shows the periods of rapid increases/decreases in weekly average ground temperatures above and below the 90th & 10th percentile. These swings in temperatures coincide with observed increases in leakage.

Fig. 4 shows that annual recorded average temperatures were the greatest observed including those below ground temperatures at 30cm and 100cm depths. This exceeds the record temperatures observed during AIR23 by 0.5 ºC.

Fig. 5 shows AIR24 having an average recorded levels of sunshine however the average cumulative rainfall is the highest recorded and breached 1000mm for the first time and is 28% above average.

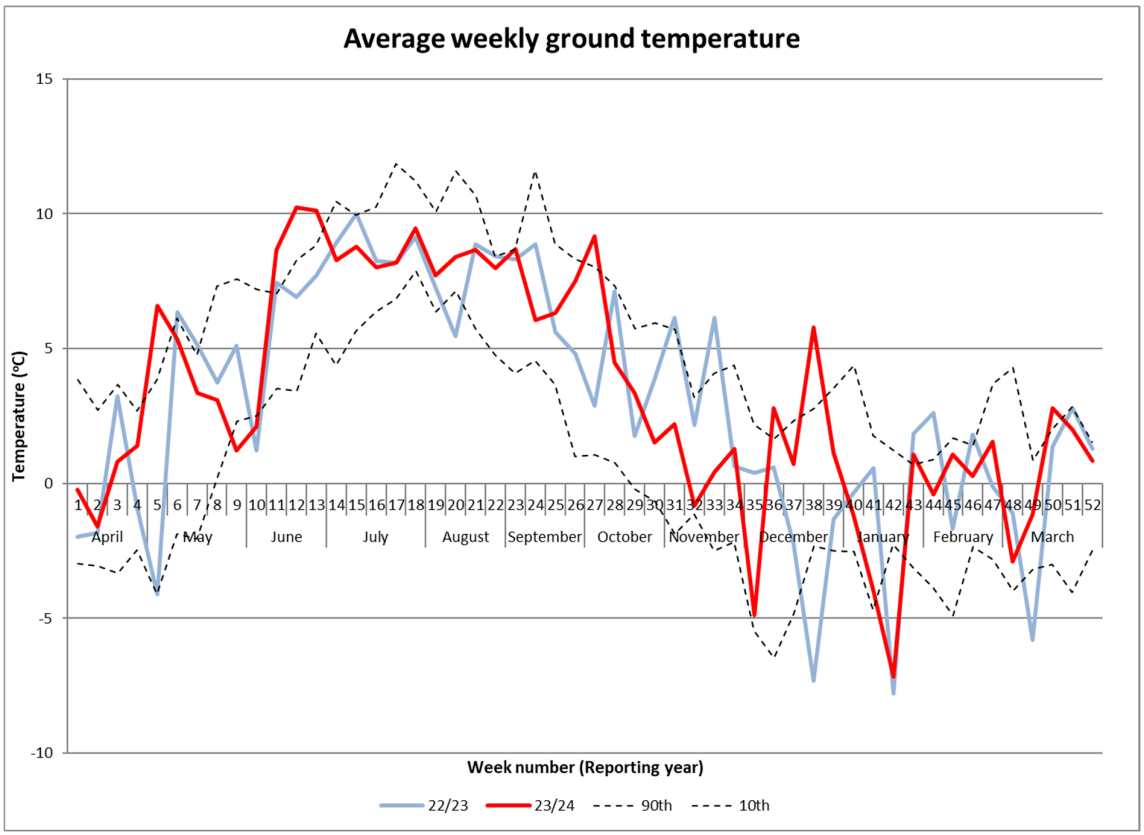
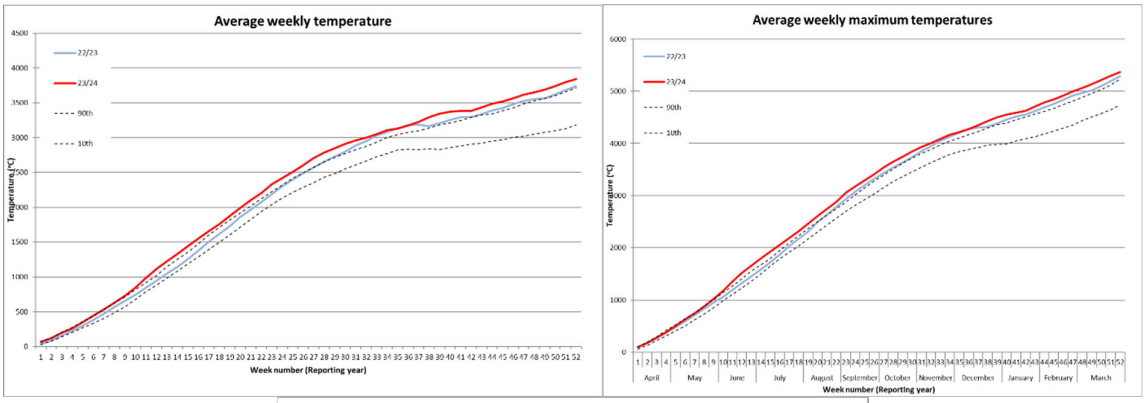
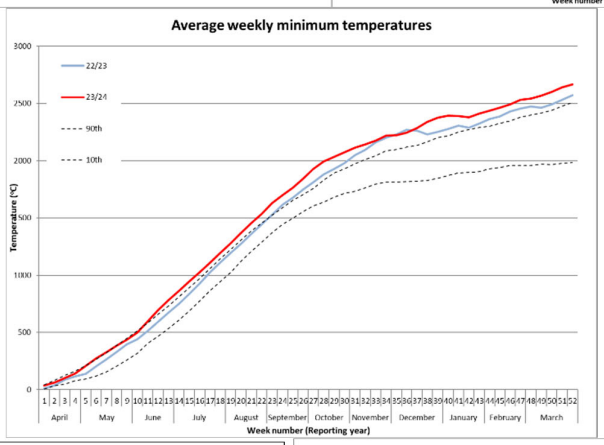
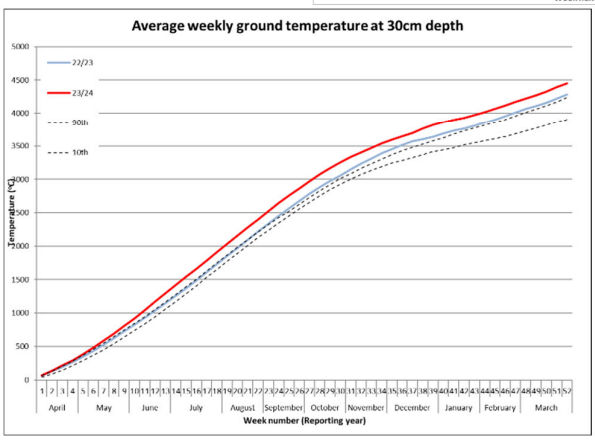



Fig. 3


Average weekly temperature
22/23
23/24
90th
10th
Temperature (°C)
Week number (Reporting year)


Average weekly maximum temperatures
22/23
23/24
90th
10th
Temperature (°C)
April
May
June
July
August
September
October
November
December
January
February
March
Week number (Reporting year)


Average weekly minimum temperatures
22/23
23/24
90th
10th
Temperature (°C)
April
May
June
July
August
September
October
November
December
January
February
March
Week number (Reporting year)


Average weekly ground temperature at 30cm depth
22/23
23/24
90th
10th
Temperature (°C)
April
May
June
July
August
September
October
November
December
January
February
March
Week number (Reporting year)

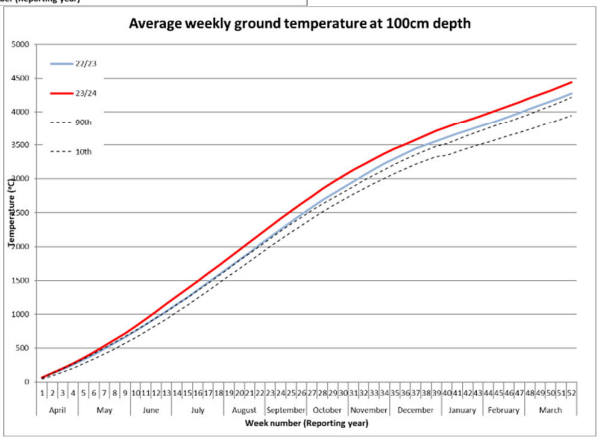

Average weekly ground temperature at 100cm depth
22/23
23/24
90th
10th
Temperature (°C)
April
May
June
July
August
September
October
November
December
January
February
March
Week number (Reporting year)

Fig. 4

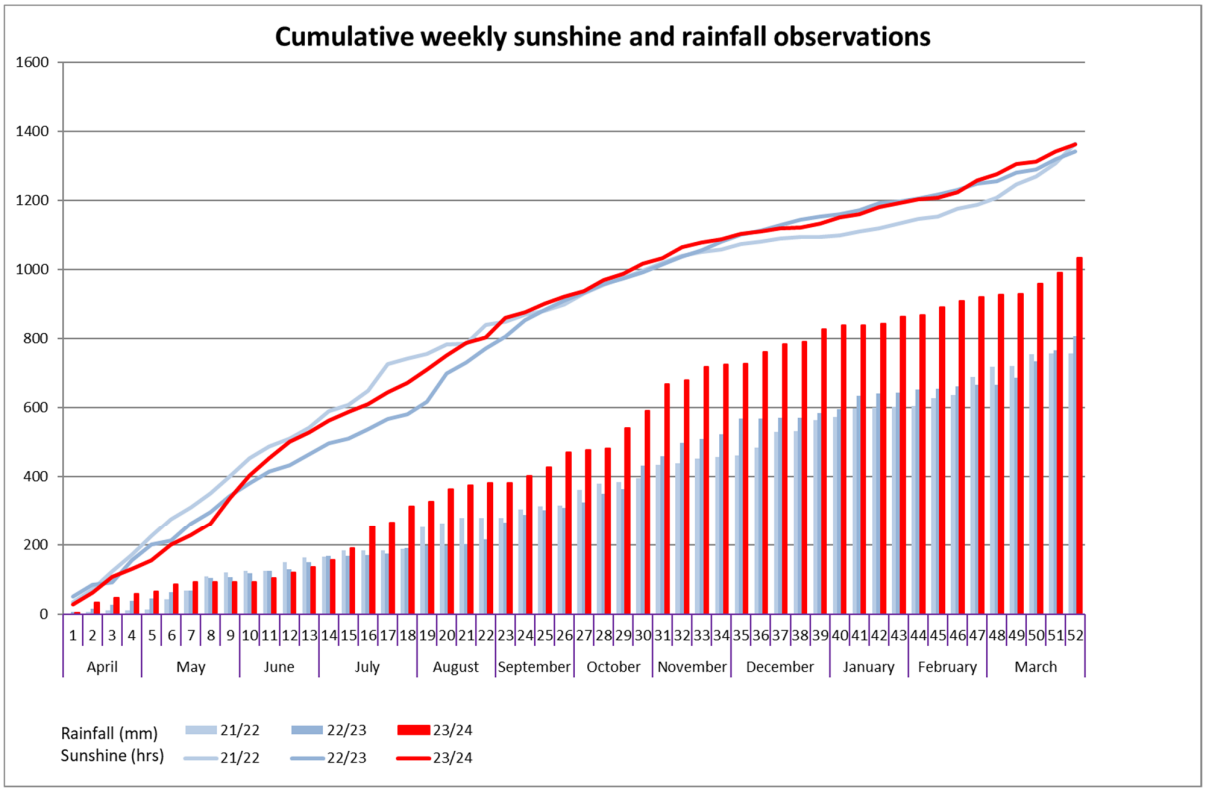



Fig. 5

Fig. 6 indicates that household demand broadly trends with the distribution input.

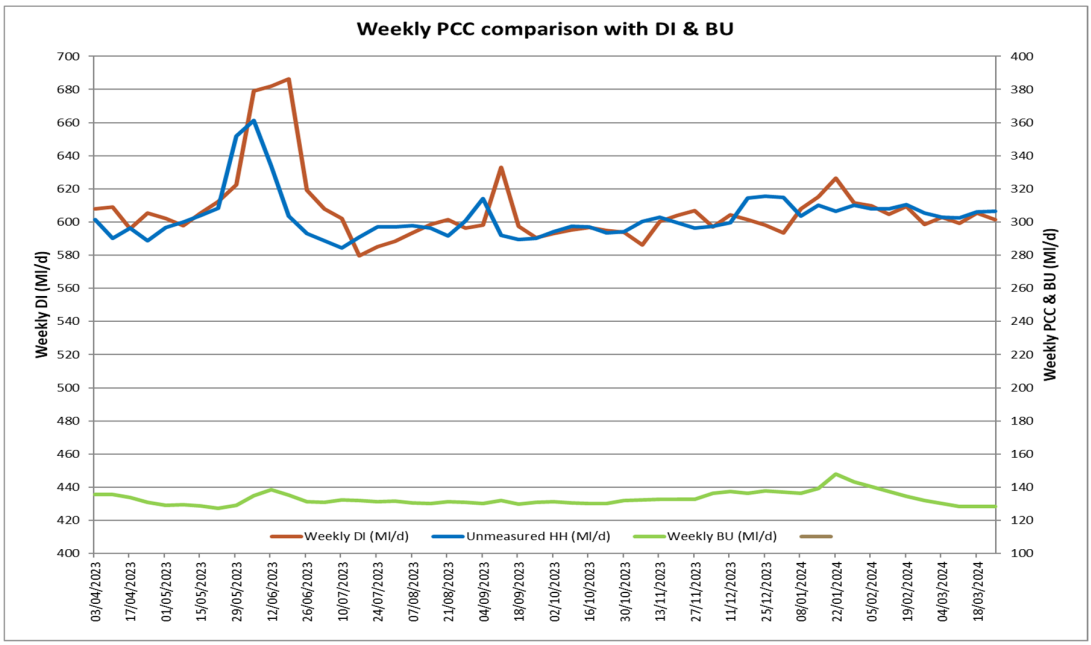



Fig. 6

## Data Quality

NI Water has remained committed to improve data quality. During PC21, further improvements to data have continued to take place through various programmes of work and the dynamic calculation of key leakage components.

With Netbase embedded as NI Water's leakage reporting tool, the UKWIR 20th Percentile calculation of Bottom Up leakage remains, as reported in AIR23 commentary, and in keeping with the Reporter's recommendations the Bottom Up error estimation is 10%.

During AIR22, NI Water completed a project to upgrade to the latest version of our leakage management software, Netbase v26. This upgrade aligns NI Water to all other GB companies utilising this software and will enable NI Water to develop its leakage analysis, calculations, and strategies through the integration of various initiatives and enhancements outlined in our PC21 Business Plan submission. Data enhancements and initiatives will be integrated throughout the PC21 period.

As part of the Netbase upgrade, a Leakage Impact Assessment was completed to determine any potential variation in the Bottom Up leakage calculation due to the version update. This assessment was completed for the year 2020/21 and indicated that Bottom Up leakage could increase by 0.47 Ml/d.

In addition, for 2021/22, a period of parallel running of both Netbase versions indicated that the annual Bottom Up leakage could decrease by 0.5 Ml/d. AIR22 leakage reporting was calculated using Netbase v17.

NI Water, along with the leakage management software supplier, has continued its analysis of the Netbase v26 calculations and the impact of ongoing data improvements. Since AIR23, leakage reporting was calculated using Netbase v26.

NI Water are reporting a DMA operability value of 79% at the end of AIR24. NI Water is focussed on the continued improvement of operability however understand that this can be impacted by infrastructure upgrades, improvements, and weather/major events. It is expected that the additional functionality of the upgraded leakage management software, in parallel with PC21 infrastructure and data improvements, will result in an increased DMA operability value.

As a result of the higher demands throughout the year, operability is observed to drop following periods of dry & sunny weather conditions. During PC21, NI Water will continue to improve operability via a number of project streams outlined in the PC21 Business Plan.

**COVID19**

Although the COVID19 pandemic could be classified as an historic event, it has however, impacted the way in which domestic and commercial properties use water. In AIR21, analysis showed that household demand increased by 10% annually while non-household demand decreased by 7%. During the AIR22 period, and as a result of the incremental lifting of imposed restrictions, measured non-household consumption has increased by approx. 10%, however household consumption has remained elevated and could be associated with continued working from home or the adoption of hybrid working practises.

For AIR23 & AIR24, it is likely that household demand was still being impacted by the pandemic and it is uncertain at this time whether working and social practises will return to 'normal' however analyses within the water industry will continue to understand the potential impact to the leakage calculations.

**Corporate Property Register (CPR) Project**

NI Water commenced a property review project during AIR22 to enhance the current company property dataset with analysis of multiple available property data sources. This

included the validation/rationalisation of property address fields, for example the removal of punctuation, and the spatialisation & confidence rating of property locations resulting in a single source of property data.

Although the validation and data review aspect of this project is completed, it was envisaged that the CPR project would be embedded during AIR24 with the update/replacement of the current RAPID property system. As a result in delays, however, the implementation of this system is now expected during AIR25. Table 7 commentary outlines the CPR project in more detail.

For AIR24, data enhancement project work, in relation to leakage, included the integration of the updated property dataset into LMS Netbase. This work was completed and reflects one of the CPR key objectives of utilising a single source of property data across NI Water.

**Trunk Mains & Service Reservoirs**

With an aspiration towards the use of company specific calculations for all key aspects of the water balance, NI Water continues to build on their trunk main and service reservoir leakage calculation through the primary use of flow balance assessments. Imbalances issues continue to be addressed which include meter issues and connectivity.

NI Water continues to consider it prudent to fully investigate trunk main audits with perceived leakage to understand the resource economics and uncertainty associated with flow balances for trunk mains and service reservoirs. Innovation will also be utilised and trialled to assist in the location of potential leakage.
NI Water continue their involvement with the other GB water utilities in regard to the development of best practice guidance for the management and reporting of “upstream losses”.

Over the PC21 period, NI Water propose to introduce a phased reporting of trunk main and service reservoir flow balance audits into the leakage calculation.

**Gross Measured Consumption**

As part of the annual tariff submission to the UR , NI Water is required to submit the Principal Statement Information Capture System. One of the consistency checks in this submission is to compare the billed measured non-household volume (Table 10 Line 2) with the Principal Statement and for these volumes to reconcile to within 1%.

Reconciliation of both the Gross Measured Consumption Report and Principal Statement has closed to 0% since the 2014/15 reporting year.

**HDF**

As part of continuing data enhancements, and outlined within the PC21 business plan, NI Water has commenced work on the installation of over 3000 permanent pressure monitors and the development of a pressure model utilising Netbase, data analytics and modelling. This model will allow NI Water to calculate HDF dynamically and reduce interruptions to supply and it is envisaged that the reported HDF will be introduced and enhanced during PC21.

**Leakage Capital Investment**

The PC21 leakage business plan clearly identified a number of key areas of capital investment to replace and improve our network/assets as well as the ongoing improvement in data availability and quality.

The development and enhancement of monitoring the water network is a key strategy in understanding demand, consumption and leakage. All DMA meters utilised in the leakage calculation are now monitored both directly through telemetry, with 93% of the stock operating via telemetry kiosks, and the remainder updating regularly throughout the day and with the ability to alarm immediately upon the breach of a flow threshold.

Logger enhancements have provided the capability to poll loggers remotely to return data similar to live telemetry updates. Multiple daily data downloads in parallel with the setting of flow and pressure alarm protocols have increased data availability and quality to enhance leakage monitoring, targeting and reporting as well as being available during major incidents. Throughout PC21, NI Water will trial and utilise enhanced communication methods, e.g. NBIOT, which will allow more dynamic data analytics to be developed.

During 2023/24 projects were carried out to replace existing PRV stock that are operational across the network and to design, install and commission new PRV sites to optimise leakage reduction. This has resulted in 42nr PRV replacements and 58nr new PRV installations during the year both of which have included the installation of enhanced pressure control where appropriate.

DMA optimisation continues to play an important role within the success of the function. In 2023/24 the resolution of High Volume DMAs has played a key part in this. The underlying objective has been initially to investigate the unique factors that cause these DMAs to behave in such a manner and subsequently to provide an engineering solution where possible to reduce leakage.

DMA optimisation has also resulted in the review of DMAs with mains length greater than 75km. Our DMA stock has increased to 1162.

As work has continued in regard to High Volume DMA studies, DMA optimisation and data quality improvements, this has resulted in the installation of infrastructure improvement schemes as part of the overall capital improvement programme and also the installation of enhanced pressure control to develop a calm network and smarter infrastructure.

Included within the PC21 Business Plan is the strategy to trial innovative technologies. During 2021/22, NI Water put in place contracts for satellite imagery and acoustic loggers and have engaged with suppliers regarding the potential to trial other technologies. Throughout AIR23 & AIR24, innovation trials continued including the use of imagery analysis from light aircraft and the deployment of leak detection dogs.

NI Water has also undertaken a development output to target the renewal of mains based on leakage of mains material AC & PVC. The construction of the first three years' of identified mains has commenced with around 90% of these being completed by March 2024. Analysis of the benefits of this strategy of mains renewal commenced post-construction and will continue throughout the PC21 period.

For reference, the table below states the variables/parameters which may impact upon the variance in individual water balance component calculations.

| | **AIR23** | **AIR24** |
|---|---|---|
| HDF (hrs) | 23.2 | 23.2 |
| UNHH consumption (m3/yr) | 196.78 | 196.78 |
| PCC MUR (%) | 5.75 | 5.75 |

| | | |
|---|---|---|
| HH occupancy (nr) | 2.50 | 2.50 |
| NHH MUR (%) | 5.75 | 5.75 |
| SPL (Ml/d) | 38.51 | 37.27 |
| HH night use allowance (l/p/hr) | 2.64 | 2.30 |
| NHH night use allowance (l/p/hr) | Dynamic | Dynamic |
| Per Capita Consumption (l/hd/d) | 143.02 | 142.37 |

Projects regarding the review and analysis of the parameters listed in the table above continues with consideration and strategic planning required regarding the application and impact of updates in light of new and evolving water industry leakage reporting guidance.

**Line 1 – Billed Measured Household**

There are no billed measured households and the value is therefore zero.

**Line 2 – Billed Measured Non-Household**

The reported value for water delivered to non-households has increased from 131.32 Ml/d in AIR23 to 132.15 Ml/d in AIR24.

In AIR15, after a full review, the Gross Measured Consumption Report (GMCR) was revised, amended and recoded to reflect the changes in data handling and the evolution of the metering and property company datasets which resulted in the variance between the GMCR and the Principal Statement calculations closing within the recommended 1%.

The variance between GMCR and the Principal Statement has closed to 0% since the 2014/15 reporting year. The GMCR is used to derive the billed measured non-household consumption as stated in Table 10 Line 2.

Similar to AIR23, the GMCR utilises metering data from the RAPID billing system. This volume does not include test meters that are not billed, trade effluent volumes, free supplies or NI Water supplies which are included under water taken unbilled. There was an 0.6% increase in measured consumption in AIR24 of 0.8 Ml/d.

A non-household meter under-registration (MUR) value of 5.75% has been added to billed measured non-household use.
WRc undertook a study during AIR21 to review the MUR figure for NI Water which is now 5.75%.

No allowance for underground supply pipe leakage has been added to this value as the measured non-households are all externally metered and therefore the billed consumption already includes underground supply pipe leakage (however, the figure for underground supply pipe leakage for measured non-households has been estimated and is part of total leakage in other lines of the table).

The confidence limit of 10% on this component has not been changed and is still considered to be appropriate.

**Line 3 – Billed Measured**

This is the summation of lines 1 and 2.

**Line 4 – Billed Unmeasured Household**

The reported value for Billed Unmeasured Household volume for AIR24 is 329.04 Ml/d. This figure reflects an increase of 4.6 Ml/d from the AIR23 value of 324.48 Ml/d.

The Billed Unmeasured Household volumes have been calculated by multiplying the average PCC figure for NI Water by the unmeasured household population. The method and sources of information are consistent with previous AIR returns. Similarly the source of the PCC figure is generated from the NI Water domestic consumption monitor. The household population figure is sourced from the Northern Ireland Statistics and Research Agency (NISRA) 2020. Adjustments are made to this household population figure to account for:

- Non-Household Population – Sourced from the most recent NISRA 2020 based population projections in alignment with Table 7.
- Unconnected Properties Population – The number of unconnected properties has been provided within NI Water by Rapid. The population of unconnected properties is determined by multiplying the assessed average occupancy from the NIHE Housing Condition Survey report by the number of unconnected properties.
- Farm Population – The population of farms is included as non-household use. The population is calculated as the number of farms multiplied by the average occupancy rate from NISRA. The number of farms is sourced from RAPID (NI Water's Billing System). The assessment takes into consideration farm properties that became void during 2023/24 but will have billed consumption associated with them.
- PCC Night Use Allowance Assessment

Underground Supply Pipe leakage has been applied to the billed unmeasured household volume component of this calculation.

A meter under-registration factor of 5.75% has been applied to this total volume. NI Water consider it appropriate to align the PCC MUR figure with the NHH MUR however will undertake a study to reassess this value during PC21.

Since AIR19, we have been investigating the use of fast-logging technology with the installation of new meters and equipment on a number of our PCC sites. This technology has allowed NI Water to determine a more accurate and dynamic household night-use value.

During the reporting year it is usual to undertake a comprehensive door to door survey covering approximately 20% of properties within the Domestic Consumption Monitor Areas As a result of COVID, and government guidance, NI Water considered it prudent to postpone the survey programme and re-establish surveys when door to door customer contact was considered appropriate. Surveys were re-established in the last quarter of AIR22 and for AIR24, 28% of PCC site households were identified for survey in order to address the survey shortfall of previous years.

The occupancy rate within the PCC sites is calculated for AIR24 at 2.26. The NISRA occupancy rate for Northern Ireland is 2.44 for 2023/24.

A figure of 1.5% continues to be applied to allow for the 'Hawthorne Effect' and is consistent with previous AIR submissions.

The confidence limit of 10% on this component has not been changed and is still considered to be appropriate.

In order to better understand the seasonal consumption patterns within the company's rural household stock, NI Water have installed a number of PHC monitors in rural locations with the expectation of accounting for atypical household demand in rural areas. We continue to investigate the benefits of calculating the billed unmeasured household value through the adoption of PHC sites. We have engaged our leakage management consultant, RPS, to

review best practice across the other GB water companies with a view to aligning industry methodologies.

**Line 5 – Billed Unmeasured Non-Household**

The reported value for Billed Unmeasured Non-Household for AIR24 is 5.57 Ml/d. The value reported in AIR23 was 5.73 Ml/d. NI Water has continued with a programme of meter installation of unmeasured non-household properties.

As unmeasured non-households have an allowance that has been estimated from metered non-households therefore underground supply pipe leakage has not been added to the occupied property component. Supply pipe leakage has been calculated for the void property component and included in this figure. A non-household company specific MUR value of 5.75% was applied for AIR24.

The confidence limit of 15% on this component has not been changed and is considered to be appropriate.

**Line 6 – Billed Unmeasured**

This is the summation of lines 4 and 5.

**Line 7 – Estimated Water Delivered Per Unmeasured Non–Household**

The post MLE figure for estimated water delivered per unmeasured non-household for AIR24 is 600.80 l/prop/d. The figure reported for AIR23 was 601.32 l/prop/d.

The allowance for unmeasured non-household properties for AIR24 is 196.78 $m^3$/prop/yr. This is the same figure reported in AIR23.

**Line 7a – Estimated Water Delivered Per Unmeasured Household**

The post MLE figure for estimated water delivered per unmeasured household for AIR24 is 416.52 l/prop/d. The figure reported for AIR23 was 419.39 l/prop/d.

The confidence limit of 10% on this component has not been changed and is still considered to be appropriate. A confidence grade of B3 has been applied to this calculation.

**Line 8 – Per Capita Consumption (Unmeasured Household – Excluding Supply Pipe Leakage)**

The post MLE PCC figure for AIR24 is 162.74 l/hd/d. The figure reported for AIR23 was 160.17 l/hd/d.

NI Water continues to employ domestic consumption monitors set up specifically to monitor unmeasured household consumption. These sites are small (average size of 48 properties), permanently bounded, monitored for leakage, and flows into them are recorded by meters.

The average PCC figure (pre-MUR) has been calculated as 142.37 l/hd/d. This assessment is based on 12 months consumption data from 1 April 2023 to 31 March 2024. This compares to a figure of 143.02 l/hd/d for AIR23.

Fast-logging has been installed on a number of PCC sites reporting 1-minute logged averages. The assessed domestic consumption on these sites therefore reflects the 1-minute data.

During previous high demand events and also noted as a result of atypical household demand analysis throughout the government lockdown restrictions, NI Water continues a review to determine the most appropriate methodology to calculate household consumption.

We have engaged our leakage management consultant, RPS, to review best practice across the other GB water companies with a view to aligning industry methodologies. This review will include appropriate monitoring of households particularly in rural and remote rural areas.

A company specific MUR value of 5.75% has been used for unmeasured PCC.
NI Water consider it appropriate to align the PCC MUR figure with the NHH MUR however will undertake a study to reassess this value during PC21.

The confidence limit of 10% on this component has not been changed and is still considered to be appropriate. A confidence grade of B3 has been applied to this calculation.

**Line 9 – Per Capita Consumption (Measured Household - Excluding Supply Pipe Leakage)**

There are no measured household supplies in NI Water; therefore no value has been input against this line.

**Lines 10 to 13 – Underground Supply Pipe Leakage**

For PC15, NI Water engaged their Leakage Management Services consultant, RPS, to review the underground supply pipe assessment which has resulted in the reduction of total supply pipe leakage to 39.91 Ml/d from 46.31 Ml/d during PC10.

During PC21, NI Water continues to review its SPL figure annually and for AIR24, SPL was calculated at 37.27 Ml/d.

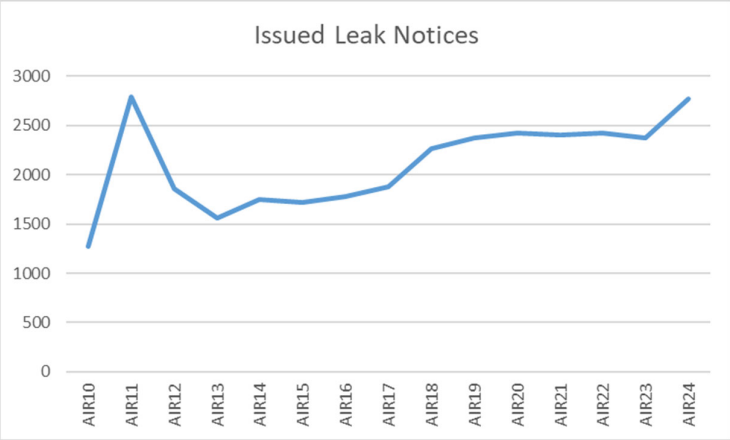
SPL accounts for approximately 24% of total leakage.

The total volume of Underground Supply Pipe Leakage was assessed using the recommended methodology contained in the UKWIR report ‘Towards Best Practice for the Assessment of Supply Pipe Leakage’ and based on 2023/24 company data.

The assessed SPL unit values for unmeasured and measured properties are 42.40 & 21.20 l/prop/d respectively.

Work previously undertaken, utilising Ofwat published data, indicated that the majority of the water companies in England and Wales estimate the underground supply pipe leakage on externally measured properties to be approximately half that of internally measured and other properties. NI Water has continued to adopt this assumption. In NI Water, the unmeasured non-household use is based on the measured non-household use. Therefore this assumption will also be applied to the unmeasured non-household.

It should be noted that the trend over recent reporting years has shown that the number of unreported customer side leakage defects, resulting in the issue of a Leak Notice, continued to increase since the SPL review utilising 2012/13 base data and levelling off since 2018/19. In AIR24 the number of issued leak notices increased by 17% from AIR23.
The number of leak notices issued during AIR24 is just 18 fewer than those issued during the freeze/thaw event of 2010/11. It is likely that this increase of customer leakage defects was as a result of the December 2022 winter event and located during the AIR24 reporting period.




**Lines 14 to 15 – Meter Under-Registration**

During AIR21 WRc undertook a study to review the measure non-household MUR figure for NI Water which concluded with a figure of 5.75%.
For AIR23, NHH MUR has remained at 5.75% and it is proposed to review this again during the PC21 period.

Furthermore, NI Water consider it appropriate to align the PCC MUR figure with the NHH MUR however we will undertake a study to reassess this value during PC21. The MUR value applied to the unmeasured household consumption is 5.75%. Since AIR19, we have been investigating the use of fast-logging technology with the installation of new meters and equipment on a number of our PCC sites and the creation of PHC sites. Analysis is ongoing as to the most appropriate use of fast-logging data and the potential to utilise PHC methodologies in the calculation of the billed unmeasured household component. This review will likely lead to a change in methodology for the calculation of billed unmeasured households which will be documented fully and will include an update of an appropriate MUR value.

**Line 16 – Distribution System Operational Use**

The reported value of Distribution System Operational Use (DSOU) for AIR24 is 2.59 Ml/d. The value reported for AIR23 was 2.84 Ml/d. This calculation is consistent with the AIR23 methodology.

The confidence limit of 25% on this component has not been changed and is considered appropriate.

**Lines 17 to 19 – Water Taken Unbilled**

The reported Water Taken Unbilled figure of 16.31 Ml/d in AIR24 has decreased from the value of 17.31 Ml/d in AIR23.
The decrease was observed to be predominately across measured and unmeasured wastewater treatment works and wastewater pumping stations.

The methodology used to estimate each category within Water Taken Unbilled remains consistent with AIR23.

The confidence limit of 25% on this component has not been changed and is considered appropriate.

**Line 20 – Water Delivered (Potable)**

All potable water supplied by NI Water is calculated as the sum of lines 3, 6 and 19.

**Line 21 – Water Delivered (Non-Potable)**

There are no non-potable supplies to NI Water customers.

**Line 22 – Water Delivered (Non-Standard Rates: Potable)**

There are no non-standard rates for potable supplies to NI Water customers.

**Line 23 – Water Delivered (Non-Standard Rates: Non-Potable)**

There are no non-standard rates for non-potable supplies to NI Water customers.

**Line 24 – Distribution Losses**

Distribution Losses for NI Water are calculated by subtracting Lines 16 (DSOU) and 20 (Water Delivered) from Line 26 (Distribution Input). Distribution Losses for AIR24 are estimated to be 118.08 Ml/d. This is a decrease on the AIR23 figure of 123.79 and is slight increase on the AIR22 figure of 117.13 Ml/d.

**Line 25 – Total Leakage**

Total leakage is the sum of distribution losses and underground supply pipe leakage. The reported figure for total leakage for AIR24 is 155.35 Ml/d. The reported figure for AIR23 is 162.30 Ml/d.

Total leakage is also calculated using an MNF methodology. For AIR24 the reported pre MLE MNF method leakage was 151.50 Ml/d. The figure reported for AIR23 is 159.64 Ml/d and equates to a decrease in BU leakage of 8.1 Ml/d.

NI Water has an extensive DMA network (approx. 1160 DMAs) covering 98% of all properties in Northern Ireland. All DMAs are monitored and exporting 15 minute flow data into corporate software systems and for leakage analysis. Approximately 93% of these DMAs are now monitored with electromagnetic meters with a direct link to the company telemetry system. The remaining DMAs are monitored by utilising data loggers attached to mechanical meters, and over the last few years logger data has migrated from GSM to GPRS communication technology. The GPRS loggers have an automatic link to the company's telemetry system and are programmed to provide data multiple times per day. NI Water are configuring the alarm capability of these loggers.

DMA minimum night flows (MNF) continue to be determined using a $20^{th}$ percentile method. Minimum night flows are recorded on a daily basis.

NI Water has also engaged RPS to undertake a review study to determine the benefits of moving the billed unmeasured household calculation from PCC to PHC. This would better align the calculation to that of GB water companies and with best practice and would provide evidence of geographic and seasonal demand variances within NI Water.

Previous commentaries have discussed that the PCC monitored property sites may not be fully representative of households within rural and remote rural areas. Analysis is ongoing as to the most appropriate use of fast-logging data and this will likely lead to a change in methodology for the calculation of household night uses which will be documented fully.

The measured non-household night use allowance figure for AIR13 was 8 l/prop/hr as documented in 'Managing Leakage', however as stated in the AIR14 commentary, Netbase has become the leakage reporting tool for AIR14 onwards which utilises an integrated night use model embedded within Netbase which was developed based on the best practice as outlined in the UKWIR Report 'Estimating Legitimate Non-Household Night Use Allowances' for AIR10. This model was calibrated using approximately 1000 customer datasets and dynamically assesses night use based on consumption and consumer industry type. For AIR24 the measured non-household night use figure is 20.8 l/prop/hr.

During PC21, the installation of loggers across a statistically representative sample of non-households will allow the dynamic and seasonal calculation of non-household night uses. This will be consistent with current industry best practice.

According to the guidance provided in the reporting requirements, this line calculates total leakage by adding Distribution Losses (line 24) to the various calculated SPL components for MHH, UHH, MNHH, UNHH & voids. For PC21, on request of the Reporter, NI Water has commenced an annual review of customer supply pipe leakage. This is a change in reporting from PC15 were the Utility Regulator requested that SPL should remain constant throughout the PC15 period. For AIR24, SPL is reported at 37.27 Ml/d and equates to 42.40 l/prop/d.

It should be noted that the trend over recent reporting years shows that the number of unreported customer side leakage defects, resulting in the issue of a Leak Notice, has continue to increase since the SPL review utilising 2012/13 base data.

NI Water's service reservoir leakage and trunk main leakage remains constant at 4.53 Ml/d and 13.66 Ml/d respectively. NI Water has continued to develop a company specific assessment for both trunk main and service reservoir leakage based on a flow balance methodology. This is consistent with the recommendations of the Reporter and Utility Regulator.

NI Water continues to investigate potential leakage within these audits and is undertaking a number of proactive steps to identify and resolve leakage and calculation issues. However, NI Water consider it prudent to fully investigate the audits with perceived leakage to understand the resource economics and uncertainty associated with flow balances for trunk mains and service reservoirs.
Over the PC21 period, NI Water propose to introduce a phased reporting of trunk main and service reservoir flow balance audits into the leakage calculation.

A 10% error estimate has been applied to BU Leakage in the MLE calculation following the implementation of Netbase for PC13. This reflects the continued improvement in data quality resulting in the reduction of the error estimate from 15% reported in AIR13.

During PC21, and with the deployment of an upgraded Leakage Management Software, NI Water will continue to develop the leakage calculation to become more dynamic. This strategy will develop in parallel with trialling a number of innovations throughout PC21.

**Line 26 – Distribution Input**

The distribution input figure for AIR24 is calculated as a post MLE figure of 603.74 Ml/d. The distribution figure for AIR23 was 606.09Ml/d.

The company specific confidence interval for distribution input for AIR24 remains at 2.1% and is unchanged from AIR23.

The method of reporting and calculating the company distribution input figure remains consistent in that it is based on a definitive number of input meters. As in previous years, NI Water has continued with an annual programme of calibration of DI meters.
In August 2022, NI Water introduced a new borewell supply at Moneymore SR. This new source can supply approximately 0.6 Ml/d.

In line with the guidance provided, details of the distribution input for each of the PPP Water Treatment Works site is as follows:

| | pre-MLE (Ml/d) | post-MLE (Ml/d) |
|---|---|---|
| **Ballinrees** | 28.48 | 28.34 |
| **Castor Bay** | 113.39 | 112.86 |
| **Dunore Point** | 113.85 | 113.33 |
| **Moyola** | 15.58 | 15.51 |
| **Total** | **271.30** | **270.04** |

**Line 27 to 28 – Bulk Supply Imports / Exports**

There are no bulk imports of water to NI Water. There is one small import from the Republic of Ireland which supplies 3 properties.

There are 77 small exports to the Republic of Ireland. These exports are predominately individually metered customers and these meters are read and billed through RAPID in a category known as cross border supplies. This figure is included in the metered non-household consumption category.

The post MLE volume amounts to 0.49 Ml/d and includes an MUR adjustment of 5.75%.

**Line 29 – Water Treated At Own Works to Own Customers**

With the exception of the 77 small exports above, all water treated at its own works is used by NI Water's own customers. The post MLE distribution input volume amounts to 606.09 Ml/d and deducting the cross border exports the volume of water treated at NI Water's own works to its own customers is 603.25 Ml/d.

## Overall Water Balance

| AIR24 - Water Balance | | | | | | |
|---|---|---|---|---|---|---|
| **NIW** | **Pre MLE** (mld) | **Error estimate** (%) | **Confidence Range** (mld) | **% of total** | **MLE Adjustment** (mld) | **Post MLE** (mld) |
| Billed Measured HH | 0.00 | 10% | 0.00 | 0.0% | 0.00 | 0.00 |
| Billed Measured NHH | 129.35 | 10% | 167.31 | 10.7% | 2.80 | 132.15 |
| Billed Unmeasured HH | 312.66 | 10% | 977.56 | 62.7% | 16.38 | 329.04 |
| Billed Unmeasured NHH | 5.56 | 15% | 0.70 | 0.0% | 0.01 | 5.57 |
| SPL | 37.27 | | | | | 37.27 |
| DSOU | 2.58 | 25% | 0.42 | 0.0% | 0.01 | 2.59 |
| Water Taken Unbilled | 16.04 | 25% | 16.09 | 1.0% | 0.27 | 16.31 |
| Sum of components | 580.42 | | | | | 603.75 |
| Distribution Input | 606.54 | 2% | 166.91 | 10.7% | 2.80 | 603.74 |
| **Top Down Leakage** | **177.62** | | | | | |
| **BU Leakage** | **151.50** | 10% | 229.52 | 14.7% | 3.85 | **155.35** |
| **Imbalance (mld)** | **26.12** | | | 100.0% | | |
| **% Imbalance** | **4.31%** | | | | | **485.67** |

**Table 1: Water Balance**

The Water Balance produces an overall imbalance of 26.12 Ml/d, (4.31%). The imbalance reported for AIR23 was 16.67 Ml/d, (2.74%).

It is considered that in applying the confidence grade in accordance with the guidance notes contained in Table 10 of the NIAUR Annual Information Return Reporting Requirements and Definitions Manual 2024, the confidence grade applied to the NI Water's water balance for AIR24 is B2. The confidence level for the overall water balance for AIR23 was B2.

### Confidence Grades

All components in the water balance are subject to errors to a greater or lesser extent, and as a method of comparing the accuracy and robustness of water balance components, the Utility Regulator uses an Alpha-numeric confidence grading system consisting of reliability bands (A to D) and Accuracy Bands (1 to 6).

NI Water adopted this approach a number of years ago and the current confidence grading for the water balance are shown in Table 2 below.

Line 7 – The Unmeasured Non-household Water Delivered confidence grade remains a B4 for AIR24.
An error estimate of 15% has been applied to this component in the MLE calculations.

Line 7a – Unmeasured Household Water delivered has been assigned a confidence grade of B3. This remains unchanged from AIR23.

Line 8 - Unmeasured Household Per Capita Consumption has a confidence grade of B3. This component has been calculated using the company's own consumption monitor data and remains unchanged from AIR23.

Line 25 - Total Leakage has a confidence grade of B3 for AIR24 and is consistent with AIR23.

A 10% error estimate has been applied to BU Leakage in the MLE calculation following the implementation of Netbase for PC13. This reflects the continued improvement in data quality resulting in the reduction in error estimate from 15% reported in AIR13.

Line 26 - Distribution Input has a confidence grade of B2. The sum of components and the distribution input balance to less than 5%.
A 2.1% error estimate has been applied to DI in the MLE calculation.

Line 30 - In accordance with the definition provided by the Utility Regulator the overall Water Balance has a confidence grade of B2 in AIR24.

It is considered appropriate that the confidence grade for AIR24 is B2, as the water balance components reconcile with measured distribution input to greater than 2% and less than 5%. Similar to AIR23, Bottom Up leakage is estimated with over 80% of properties continually monitored through night line analysis (recorded more than 20 times per year) and sample flow balance audits have been undertaken on service reservoirs and trunk mains.

**Table 2 Water Delivered Components Confidence Grades**

| Component | Reliability Bands | | | | Accuracy Bands | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | D | 1 <1% | 2 1-5% | 3 5-10% | 4 10-25% | 5 25-50% | 6 50-100% | X |
| Unmeasured Non-Household Water Delivered (l/prop/d) | | | | | | | | | | | |
| Unmeasured Household Water Delivered (l/prop/d) | | | | | | | | | | | |
| Unmeasured Household Per Capita Consumption (l/head/d) | | | | | | | | | | | |
| Total Leakage (Ml/d) | | | | | | | | | | | |
| Distribution Input (Ml/d) | | | | | | | | | | | |
| Overall Water Balance | | | | | | | | | | | |

**Lines 31 - Security of Supply**

Security of Supply is discussed in Table 10a.

**NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN**

**ANNUAL INFORMATION RETURN - TABLE 10A NON FINANCIAL MEASURES**

**SECURITY OF SUPPLY INDEX - PLANNED LEVEL OF SERVICE (TOTAL)**

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Water resource zone** | **WAFU (EA definition) (Ml/d)** | **Bulk imports (Ml/d)** | **Bulk exports (Ml/d)** | **Dry year distribution input (Ml/d)** | **Reporting year distribution input (Ml/d)** | **Dry year available headroom (Ml/d)** | **Target headroom (Ml/d)** | **Surplus/ deficit (Ml/d)** | **Percentage surplus/ deficit (Ml/d)** | **Zonal population** | **Percentage of total population with headroom deficit** | **Zonal index (%age deficit$^2$ x % population affected x 100)** | **Security of supply index** |
| Altnahinch | 11.26 | 0.00 | 0.00 | 9.15 | 9.44 | 2.11 | 0.84 | 1.27 | 0.13 | 27.03 | 0.00 | 0.00 | |
| Central | 31.89 | 0.00 | 0.00 | 28.49 | 29.38 | 3.40 | 1.49 | 1.91 | 0.06 | 82.62 | 0.00 | 0.00 | |
| Clay Lake | 4.70 | 0.00 | 0.00 | 3.96 | 4.09 | 0.74 | 0.43 | 0.31 | 0.07 | 7.37 | 0.00 | 0.00 | |
| East | 175.18 | 0.00 | 0.00 | 162.87 | 167.99 | 12.31 | 6.88 | 5.43 | 0.03 | 594.29 | 0.00 | 0.00 | |
| Killylane | 14.33 | 0.00 | 0.00 | 11.71 | 12.08 | 2.62 | 0.62 | 2.00 | 0.16 | 43.09 | 0.00 | 0.00 | |
| North | 91.65 | 0.00 | 0.00 | 64.00 | 66.02 | 27.65 | 4.43 | 23.22 | 0.34 | 230.16 | 0.00 | 0.00 | |
| North East | 243.36 | 0.00 | 0.00 | 104.39 | 107.67 | 138.97 | 9.42 | 129.55 | 1.14 | 413.60 | 0.00 | 0.00 | |
| South | 148.70 | 0.00 | 0.00 | 135.22 | 139.47 | 13.48 | 8.05 | 5.43 | 0.04 | 361.82 | 0.00 | 0.00 | |
| South West | 34.79 | 0.00 | 0.00 | 27.78 | 28.65 | 7.01 | 1.69 | 5.32 | 0.18 | 63.27 | 0.00 | 0.00 | |
| West | 44.52 | 0.00 | 0.00 | 40.47 | 41.75 | 4.05 | 3.75 | 0.30 | 0.01 | 95.87 | 0.00 | 0.00 | |
| **Total** | **800.38** | **0.00** | **0.00** | **588.04** | **606.54** | | | | | **1919.12** | | **0.00** | **100.00** |

**Table 10a (i) – Non Financial Measures - Security of Supply Index – Planned Level of Service**

NI Water's latest Water Resource and Supply Resilience Plan (WR&SR Plan) is complete and at consultation stage with the final plan to be published before the end of 2024. The 2024 WR&SR Plan takes 2019/20 as its base year and has a planning horizon of 50 years, up to 2069/70 for the Water Resource Management element. The Security of Supply Index (SoSI) calculated for AIR24 is based on Ofwat's letter RD 03/02, and is formulated from the information presented in the WR&SR Plan. It should be noted, prior to AIR 24, previous returns relating to SOSI were based on the 2020 Plan.

There have been changes to a number of the inputs in the calculation, based on the 2024 WR&SR Plan compared to previous 2020 plan, these are detailed below:

1. The 2024 WR&SR Plan has seen the creation of three additional Water Resource Zones (WRZs) increasing the number of WRZs from 7 to 10 with the addition of Altnahinch, Clay Lake and Killylane. In addition the boundary between North East and East WRZ was amended.
2. The North WRZ previously included Altnahinch Water Supply Zone (WSZ) however customers within the Altnahinch WSZ appear to experience a greater risk of supply failure. This is due to the lack of available headroom within the WSZ, limited capacity of the link main from Ballinrees WTW, and because the storage upstream of Altnahinch WTW is lower than other locations. Therefore Altnahinch has been separated into an individual WRZ.
3. The demand centre supplied from Clay Lake WTW, within the South WRZ, is not sufficiently linked to the remainder of the network, with customers experiencing a greater risk of supply failure due to a lack of available headroom. Therefore Clay Lake has been separated into an individual WRZ.
4. The Integrity Assessment carried out as part of the plan development highlighted a greater risk of supply failure for customers supplied within the Killylane WSZ. The Killylane WTW and the secondary supply from Dunore Point WTW were close to their design capacities during the recent current Average Day Peak Week (ADPW) demand scenario. Therefore Killylane WTW has been separated into an individual WRZ.
5. The southern section of the East WRZ experiences a greater risk of supply failure than the northern section (North Belfast) as there is a limit to the amount of water that can be transferred from Dunore Point WTW south across Belfast. Therefore, the boundary between the North East WRZ and East WRZ has been adjusted so that the majority of the area supplied from Dunore WTW is within the North East WRZ. This revised North East WRZ contains the Dorisland WSZ which previously within the East WRZ.
6. The latest Water Available for Use (WAFU) figure has increased from the 2020 plan by 41.3Ml/d from 759.08Ml/d to 800.38Ml/d . This is due to a number of reasons including a more detailed assessment of WTW Outage.
7. The dry year uplift factor has decreased in the latest plan from 1.7% in 2020 to 1.3% in 2024.

The total population figure used within the SoSI calculation has been confirmed to correspond with the population figure used in AIR 24 Table 7.

As part of previous reporters Recommendations, it stated that *'Recommend as part of the WMRP update the Company continues to investigate if data exists to further refine the normal year uplift.'*

The methodology for calculating the uplift was reviewed as part of the latest WR&SR Plan and is based on the UKWIR guidance report on household consumption forecasting. The report offers various options for calculating these factors with the trend analysis of demand method selected for the current plan based on data availability and the required resolution. The calculation process involved collating household demand data, normalizing the data to account for confounding factors, selecting dry years using a rainfall-temperature quadrant plot, developing a regression model to relate consumption with time and estimating normal year and dry year factors based on the ratio between predicted and actual consumption, for the selected dry year and the base year.

The 'dry year uplift factor' refers to the % uplift that should be applied to average demand (Ml/d) in a normal weather year to estimate the average demand (Ml/d) in a dry weather year.

Based on analysis carried out on historical rainfall and temperature data from 1988 to 2024, 2023/24 is deemed as a "Warm & Wet" year as can be seen in Figure 1 below. The monthly demand weather model was populated with the outputs for 2023/24 and this estimates the average DI would be 3.05% lower in a dry year (like 1995/96) than in 2023/24. This was calculated, as the DI was 4.35% higher in 2023/24 than would be expected in NYAA.

Therefore the Dry Year Uplift Factor then would be 1.3% (Difference in DYAA TO NYAA) - 4.35% (Difference in 2023/24 to NYAA) which equates to -3.05%. Thus, an uplift factor of 0.9695 has been used in the SoSI 24 calculation.

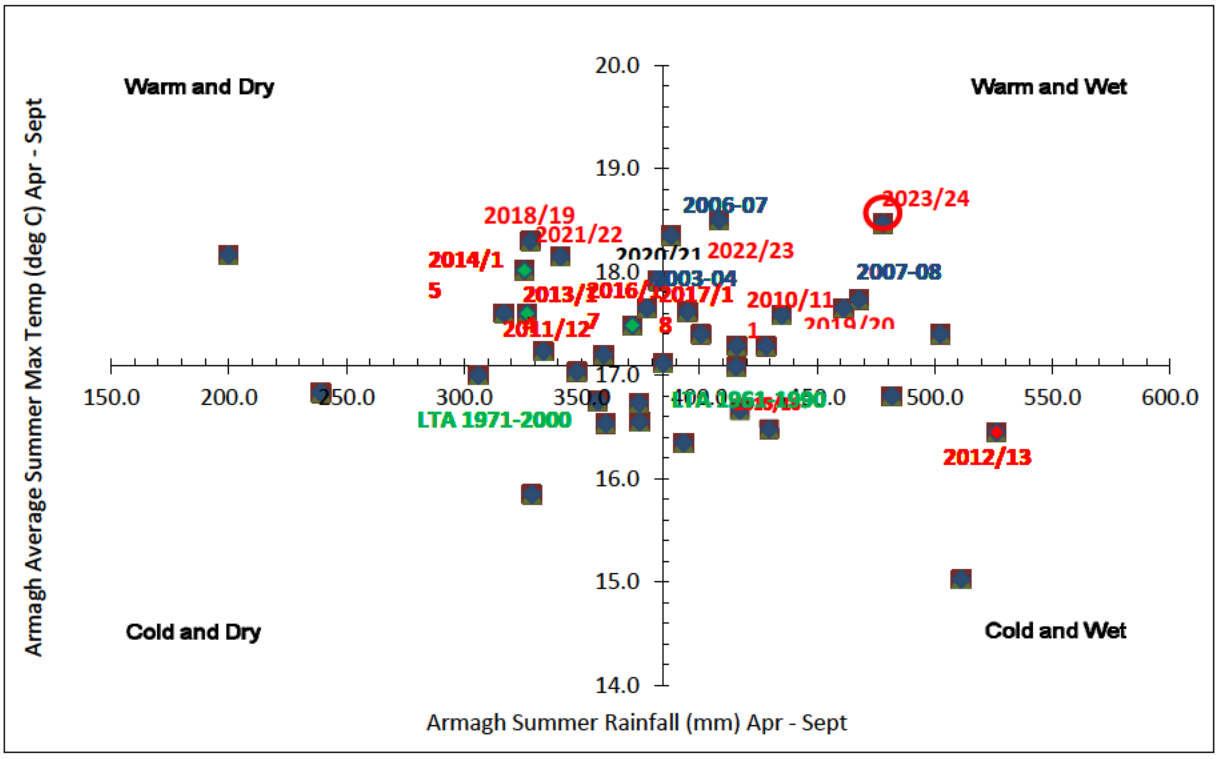



**Figure 1 – Historical Rainfall & Temperature Data Summer (April-September 2023)**

The overall SOSI is **100%**. This is an increase from AIR23 where the reported figure was 99%. This change is primarily due to the increase in WAFU from the previous plan.

## Table 10a (iii) – Non Financial Measures - Security of Supply Index – Critical Period (TOTAL)

The security of supply index has been calculated based on the outputs from the Water Resource & Supply Resilience Plan (WR&SRP) 2024.

In previous years, the assumption by NI Water was that a SOSI – Critical Period has not been required. The previous justification has been that:-
*The supplies available to NI Water are dominated by abstractions from Lough Neagh, which can be considered an infinite hydrological storage resource. In addition, recent demand data does not suggest that there is a strong peak demand driver in Northern Ireland. For these reasons, it is not appropriate or necessary to consider the critical period scenario for Northern Ireland, because this is not the primary driver for investment to maintain the supply demand balance. On this basis, there has been no need for NI Water to develop a SOSI calculation for a critical period.*

As part of the Reporters Recommendations for AIR15, he stated - *Recommend the Company reassess the need for a Critical Period SOSI during its preparation of WRMP17.*

As highlighted previously as part of the 2020 Water Resource and Supply Resilience Plan, critical periods were included within the analysis, and it was felt a critical period SOSI should be able to be calculated. This is now the case, however, given that the Water Resource and Supply Resilience Plan 2024 is currently going through consultation, the intention is to await the outcomes of this given the likely changes to the supply/demand calculations and the impact on any critical SOSI calculation.

**NORTHERN IRELAND WATER LIMITED ANNUAL INFORMATION RETURN**

**ANNUAL INFORMATION RETURN TABLE 11 NON FINANCIAL MEASURES**
**WATER SERVICE ACTIVITIES (NI Water Only)**

| | DESCRIPTION | UNITS | DP | 1 REPORTING YEAR 2015 16 | CG | 2 REPORTING YEAR 2016 17 | CG | 3 REPORTING YEAR 2017 18 | CG | 4 REPORTING YEAR 2018 19 | CG | 5 REPORTING YEAR 2019 20 | CG | 6 REPORTING YEAR 2020 21 | CG | 7 REPORTING YEAR 2021 22 | CG | 8 REPORTING YEAR 2022 23 | CG | 9 REPORTING YEAR 2023 24 | CG | 10 REPORTING YEAR 2024 25 | CG | 11 REPORTING YEAR 2025 26 | CG | 12 REPORTING YEAR 2026 27 | CG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A** | **ASSET BALANCE AT APRIL 1** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Total length of mains | km | 2 | 26,712.44 | B3 | 26,728.83 | B3 | 26,778.15 | B3 | 26,837.45 | B3 | 26,958.40 | B3 | 27,002.82 | B3 | 27,014.82 | B3 | 27,086.39 | B3 | 27,140.38 | B3 | | | | | | |
| **B** | **CHANGES DURING REPORT YEAR** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Mains renewed | km | 2 | 105.24 | A2 | 161.29 | A2 | 120.55 | A2 | 154.66 | A2 | 133.94 | A2 | 96.65 | A2 | 91.60 | A2 | 90.86 | A2 | 69.93 | A2 | | | | | | |
| 3 | Mains relined | km | 2 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A2 | | | | | | |
| 4 | Mains cleaned (total) | km | 2 | 1,191.68 | B3 | 1,665.69 | B3 | 2,008.61 | B3 | 2,257.19 | B3 | 2,390.31 | B3 | 2,189.20 | B3 | 2,223.75 | B3 | 2,240.24 | B3 | 2217.09 | A2 | | | | | | |
| 6 | New mains | km | 2 | 76.51 | B2 | 75.22 | B2 | 92.43 | B2 | 83.91 | B2 | 81.68 | B2 | 64.92 | B2 | 78.94 | B2 | 101.64 | B2 | 124.17 | A2 | | | | | | |
| 6a | Total length of new, renewed or relined mains | km | 2 | 181.75 | B2 | 236.51 | A2 | 212.98 | A2 | 238.57 | A2 | 215.62 | A2 | 161.57 | A2 | 170.54 | A2 | 192.50 | A2 | 194.10 | A2 | | | | | | |
| 6b | Length of new, renewed or relined mains delivered under the watermain rehabilitation programme | km | 2 | 116.92 | A2 | 172.27 | A2 | 126.00 | A2 | 166.52 | A2 | 149.33 | A2 | 104.13 | A2 | 101.62 | A2 | 123.33 | A2 | 127.37 | A2 | | | | | | |
| 7 | Mains abandoned and other changes | km | 2 | 105.51 | A2 | 167.55 | A2 | 124.24 | A2 | 158.49 | A2 | 135.13 | A2 | 89.05 | A2 | 74.61 | A2 | 112.91 | A2 | 139.04 | A2 | | | | | | |
| 8a | Lead communication pipes replaced as a consequence of water quality sample failures | nr | 0 | 37 | B2 | 44 | B2 | 43 | B2 | 35 | B2 | 18 | B2 | 17 | B2 | 37 | B2 | 0 | B2 | 25 | A2 | | | | | | |
| 8b | Lead communication pipes replaced as a consequence of customers notifying NI Water that they are replacing their lead | nr | 0 | 703 | B2 | 599 | B2 | 574 | B2 | 562 | B2 | 455 | B2 | 324 | B2 | 470 | B2 | 395 | B2 | 422 | A2 | | | | | | |
| 8c | Opportunistic lead communication pipes replacement undertaken under the watermain rehabilitation programme or during burst service pipe repairs | nr | 0 | 660 | B2 | 1801 | A2 | 76 | B3 | 75 | B3 | 41 | B3 | 28 | B3 | 22 | B3 | 34 | B3 | 124 | A2 | | | | | | |
| 8d | Lead communication pipes replaced under the proactive lead replacement programme | nr | 0 | 1,922 | B2 | 1,867 | A2 | 1,767 | A2 | 2,070 | A2 | 1,781 | A2 | 1,675 | A2 | 1,864 | A2 | 1,873 | A2 | 2016 | A2 | | | | | | |
| 9 | Total lead communication pipes replacec | nr | 0 | 3,322 | B2 | 4,311 | A2 | 2,460 | A2 | 2,742 | A2 | 2,295 | A2 | 2,044 | A2 | 2,393 | A2 | 2,302 | A2 | 2587.00 | A2 | | | | | | |
| 10 | Communication pipes replaced - other | nr | 0 | 3,915 | B3 | 5,608 | B2 | 3,769 | B2 | 4,232 | B2 | 5,664 | A2 | 3,739 | A2 | 2,881 | A2 | 2,896 | A2 | 3511 | A2 | | | | | | |
| 11 | Mains bursts per 1000km | nr | 0 | 74 | B3 | 80 | B3 | 91 | B3 | 92 | B3 | 82 | B3 | 88 | B3 | 92 | B3 | 92 | B3 | 84 | B3 | | | | | | |
| **C** | **ASSET BALANCE AT MARCH 31** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | Total length of mains | km | 2 | 26,728.83 | B3 | 26,778.15 | B3 | 26,837.45 | B3 | 26,958.40 | B3 | 27,002.82 | B3 | 27,014.82 | B3 | 27,086.39 | B3 | 27,140.38 | B3 | 27,215.43 | B3 | | | | | | |
| **D** | **DISTRIBUTION STUDIES** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | Cumulative number of distribution zone studies completed | nr | 0 | 71 | A1 | 71 | A1 | 71 | A1 | 71 | A1 | 71 | A1 | 71 | A1 | n/a | | n/a | 0 | | | | | | | | |
| 14 | Distribution zone studies ongoing | nr | 0 | 0 | A1 | 0 | A1 | 0 | A1 | 0 | A1 | 0 | A1 | 0 | A1 | n/a | | n/a | 0 | | | | | | | | |
| 15 | Total distribution zones identified for study | nr | 0 | 71 | A1 | 71 | A1 | 71 | A1 | 71 | A1 | 71 | A1 | 71 | | n/a | | n/a | 0 | | | | | | | | |
| 16 | Cumulative % distribution zone studies completed | % | 1 | 100.0 | A1 | 100.0 | A1 | 100.0 | A1 | 100.0 | A1 | 100.0 | A1 | 100.0 | A1 | n/a | | n/a | 0 | | | | | | | | |
| 17 | Percentage population/properties - completed studies | % | 1 | 100.0 | A1 | 100.0 | A1 | 100.0 | A1 | 100.0 | A1 | 100.0 | A1 | 100.0 | A1 | n/a | | n/a | 0 | | | | | | | | |
| **E** | **WATER QUALITY COMPLIANCE MEASURES** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | % overall compliance with drinking water regulations | % | 2 | 99.83 | A2 | 99.86 | A2 | 99.88 | A2 | 99.90 | A2 | 99.90 | A2 | 99.94 | A2 | 99.88 | A2 | 99.91 | A2 | 99.92 | A2 | | | | | | |
| 19 | % compliance at consumers tap | % | 2 | 99.74 | A2 | 99.77 | A2 | 99.81 | A2 | 99.83 | A2 | 99.84 | A2 | 99.91 | A2 | 99.82 | A2 | 99.88 | A2 | 99.88 | A2 | | | | | | |
| 20 | % iron compliance at consumers tap | % | 2 | 98.40 | A2 | 98.66 | A2 | 98.85 | A2 | 98.94 | A2 | 98.89 | A2 | 99.56 | A2 | 99.35 | A2 | 99.15 | A2 | 99.71 | A2 | | | | | | |
| 21 | % Service Reservoirs with coliforms in >5% samples | % | 2 | 0.00 | A1 | 0.00 | A1 | 0.00 | A2 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | | | | | | |
| **F** | **NOMINATED WATER SERVICE OUTPUTS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | Completion of nominated trunk main schemes | nr | 0 | 2 | A1 | 1 | A1 | 0 | A1 | 0 | A1 | 0 | A1 | 1 | A1 | 1 | A1 | 1 | A1 | 3 | A1 | | | | | | |
| 23 | Completion of nominated water treatment works schemes | nr | 0 | 1 | A1 | 0 | A1 | 0 | A1 | 0 | A1 | 1 | A1 | 1 | A1 | 1 | A1 | 3 | A1 | 3 | A1 | | | | | | |
| 24 | Completion of nominated improvements to increase the capacity of service reservoirs and clear water tanks | nr | 0 | 0 | A1 | 0 | A1 | 1 | A1 | 0 | A1 | 1 | A1 | 1 | A1 | 1 | A1 | 0 | A1 | 2 | A1 | | | | | | |
| **G** | **PC15 ADDITIONAL WATER SERVICE OUTPUT MEASURES** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | Number of school visits | nr | 0 | 277 | A1 | 257 | A1 | 219 | A1 | 246 | A1 | 229 | A1 | 266 | A1 | 299 | A1 | 210 | A1 | 219 | A1 | | | | | | |
| 26 | Number of other education events | nr | 0 | 65 | A1 | 64 | A1 | 62 | A1 | 66 | A1 | 143 | A1 | 12 | A1 | 64 | A1 | 63 | A1 | 78 | A1 | | | | | | |
| **H** | **PC21 ADDITIONAL WATER SERVICE OUTPUT MEASURES** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | Number of catchments where management plan recommendations have been implemented | nr | 0 | | | | | | | | | | | | | 0 | B3 | 3 | A2 | 4 | A1 | | | | | | |
| 28 | Number of treatability studies completec | nr | 0 | | | | | | | | | | | | | 0 | A1 | 1 | A1 | 0 | A1 | | | | | | |
| **I** | **WATER MODELS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | Number of models built/rebuilt in yea | nr | 0 | | | | | | | | | | | | | | | | | 6 | A1 | | | | | | |
| 30 | Number of models maintained in year | nr | 0 | | | | | | | | | | | | | | | | | 0 | A1 | | | | | | |
| 31 | Number of models in library | nr | 0 | | | | | | | | | | | | | | | | | 34 | A1 | | | | | | |
| 32 | Model coverage using percentage of connected properties covered by a model | % | 0 | | | | | | | | | | | | | | | | | 63 | B3 | | | | | | |
| 33 | Average age of models in the library in year | Years | 1 | | | | | | | | | | | | | | | | | 3 | A1 | | | | | | |
| 34 | Maximum age of models in the library, in year: | Years | 1 | | | | | | | | | | | | | | | | | 5 | A1 | | | | | | |
| 35 | Number of models in the library older than 5 years | nr | 0 | | | | | | | | | | | | | | | | | 2 | A1 | | | | | | |
| 36 | Number of models in the library older than 7 years | nr | 0 | | | | | | | | | | | | | | | | | 0 | A1 | | | | | | |
| **J** | **WATER WORK PACKAGES ISSUED FOR CONSTRUCTION** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | Number of WIIM Packages issued for construction in yea | nr | 0 | | | | | | | | | | | | | | | | | 4 | A1 | | | | | | |
| 38 | Number of water mains rehab schemes within WIIM Packages issued for construction in yea | nr | 0 | | | | | | | | | | | | | | | | | 72 | A1 | | | | | | |
| 39 | Length of water mains rehab schemes w thin WIIM Packages issued for construction in yea | km | 1 | | | | | | | | | | | | | | | | | 49.6 | A1 | | | | | | |
| 40 | Estimated cost of water mains rehab schemes within WIIM Packages issued for construction in year | £m | 1 | | | | | | | | | | | | | | | | | 5.4 | A3 | | | | | | |

# Table 11– Water Service Activities

## Line 1 – Total length of mains on 1st April

This value has been extracted from the previous AIR submission.

## Lines 2 to 10 - Changes during the reporting year

This document provides the commentary on the following tables and lines for NI Water and records the amount of capital and maintenance activity carried out in the report year 2022/2023 on water mains and communication pipes.

The figures for these lines were supplied respectively by:

- extracting and summarising the source output data of Projects Progress by sorting data from the NI Water CPMR System, in the "Water Infra by Projects" section for the period April 2023 to March 2024, (which are submitted/compiled monthly by the Asset Delivery Team (AD)). This data was extracted from CPMR on 24th April 2024

The Reservoir Safety and Compliance Unit, on behalf of The Customer and Operations Directorate (C &OD), by extracting and summarising the source output data from their monthly reporting records and checking with colleagues.

## Total Mains Activity Progress

Northern Ireland Water has delivered 194.10km of total mains activity in AIR 24

(No relining has been carried out in this period).

## Watermains Rehabilitation Progress against PC21 Target

The **cumulative** length of Watermains Rehabilitation pipelines completed to date by Year 3 is 352.32km (See Table as Year 3 Total is 127.37km)

Total of 3 Years = 352.32km at the end of the AIR24 period
The 3-year FD Cumulative Target should be 419.1km. (i.e. 139.7km *(per year)* x3 years)

This years (AIR 24) total is 127.37km however each year remains below the annual average PC21 FD target of 139.7km for PC21.

*The relatively low figure for Year 1 of PC21 was due to a number of factors including: availability of resources due to the draw from other utilities such as Gas, Telecoms and Irish Water, increases in material costs and more work focused in urban areas, which is generally slower to complete.*

## Proactive Lead Replacements Total against PC21 Target

The PC21 year 3 sub programme 23 results showed 2,016nr (plus1,873nr from Year 2 and 1,864nr from Year 1 gives a running total of = 5,753nr lead pipes replaced as a result of the implementation of the proactive lead replacement programme.)

The PC 21 target figure by year 3 should be = 1,844nr x 3 (years) = 5.532nr
The PC21 Running Total is currently 5,753nr
This running total is therefore on target to achieve the planned PC21 total.

**Summary of Mains Activity Figures for PC21**

| Activity Description | Total Return AIR22(km) | Total Return AIR23 (km) | Total Return AIR24 (km) | PC21 TOTAL (km)Year 3 |
|---|---|---|---|---|
| New Mains (WMRP) | 22.68 | 32.91 | 57.96 | 113.55 |
| Renewed Mains (WMRP) | 78.94 | 90.42 | 69.41 | 238.77 |
| Relined Mains (WMRP) | 0 | 0 | 0 | 0 |
| **Total WMRP Activity** | 101.62 | 123.33 | 127.37 | 352.32 |
| Nominated Trunk Mains (New) | 0 | 9.36 | 12.01 | 21.37 |
| Nominated Trunk Mains (Renewed) | 0 | 0 | 0 | 0 |
| **Total Nominated Trunk Mains Activity** | 0 | 9.36 | 12.01 | 21.37 |
| Sub Programme 23c, e, z,6z,7z,1b Trunk Mains | 3.74 | 5.27 | 5,78 | 14.79 |
| Sub Programme 23c and 23e Distribution Mains | 7.42 | 0.15 | 2.52 | 10.09 |
| **Total Sub Programme 23c and 23e** | 11.16 | 5.42 | 8.30 | 24.88 |
| New Mains – within new Developments | 56.26 | 53.95 | 45.90 | 156.11 |
| **Total mains within new Developments** | 56.26 | 53.95 | 45.90 | 156.11 |
| 1st Time Services – Serving New Developments | 0 | 0 | 0 | 0 |
| 1st Time Services - Renewed | 0 | 0 | 0 | 0 |
| **Total 1st Time Services** | 0 | 0 | 0 | 0 |
| Mains Development/Diversions - Renewed | 1.5 | 0.44 | 0.52 | 2.46 |
| **Total New Development Activity** | 1.5 | 0.44 | 0.52 | 2.46 |
| **Total Mains Activity in the Period** | **170.54** | **192.50** | **194.10** | **557.14** |

**Strategic Trunk Mains Progress for PC21 - Year 3**

**The total length of Nominated Strategic Mains funded under sub prog 5**, is 4.70km plus 3.138km plus 4.173km, made up of (All New Mains) JL 715 Caugh Hill Carmony to Strabane Trunk main, JP 702 Killyhevlin to Cavanacross Trunk Mains and JR 524 Whitespots Greyabbey Trunkmain.

***Sub Total for Sub Programme 5 Nominated Strategic Mains is 12.011km new Mains and 0km of Renewed Mains***

The total length of Non-Nominated Strategic Mains, (which are not funded under the Watermains Rehabilitation Budget but funded from Sub Programmes 23c and 23e) is: 4.009km (New mains), from the JV 901 Fofanny to Alt Trunkmain Phase 1.
Also, JR 526 Old Park Terrace (23z) contributed 0.113km of New Mains to this total.

**Sub Total for Sub Programmes 23c and 23e Non-Nominated Strategic Mains is 5.532km of New Mains Only**

The total Length of Sub Programme 6z and 7z - Mains installed as part of non-nominated SR Rehab and CWT Construction are made up from: JF 615 CWT Seagahan 0.186km (New) and JB 741 Tuftarney SR Inlet and Outlet Pipework 0.03km (New), Total of 6z and 7z is 0.186km Seagahan (New) plus Tuftarney (New) 0.03km.
**Sub Total is 0.216km of New Mains**

The total Length of Sub Programme 1b WPS Base Maintenance reported as being installed in this reporting period is 0.038km under JI 179 and JI 180.
**Sub Total of 1b is 0.038km of New Mains**

Total New Strategic Mains = **17.797km** i.e. 12.011 plus (0.038 plus 5.748=5.786)
Total Renewed Strategic Mains = **0km**

Total Distribution mains laid alongside Strategic Mains (Laid alongside JR524 Whitespots 2301m of 125mm DI and including the Mountstewart Road Repair 220m of 180mm DI) = **2.521km**

**Line 2 - Mains renewed (km)**

| Line | Description | Units | DP | AD | AD CG | C&OD | C&OD CG | Total | Overall CG |
|---|---|---|---|---|---|---|---|---|---|
| 2 | Mains renewed | km | 2 | 69.411 | A2 | 0.52 | B3 | 69.93 | A2 |

**Asset Delivery**

- The Asset Delivery team has continued its method of reporting on renewed mains in line 2 to comply with the Regulator's Annual Information Return reporting requirements and definitions manual.
- The Asset Delivery Figure is made up 69.411km of Watermains Rehabilitation and 0km of Renewed Nominated Strategic Mains = (Lower than last year's total of 90.42km).
- This figure does not include first time services.
- Asset Delivery is the primary contributor to this information.
- The AD confidence grade (and therefore the line confidence grade) is A2.

**C&OD Networks Water**

- C&OD Networks Water has continued to manage some smaller schemes, for example, social housing redevelopments and minor mains diversions or realignments.
- This confidence grade is assessed to be B3.

The C&OD mains renewal work is usually very low volume as is the case here.

Continuing discussion and guidance are provided for the relevant Field Managers when providing this information.

The length recorded is generally in line with the last 5 year's average C &OD figure of 0.85km and similar to last year's total of 0.44km. Most of the workload relevant to this line is dependent on other bodies such as NIHE or Transport NI and is also customer driven. There is no set target for each year.

**Overall Line Confidence Grade is A2** - The overall confidence grade is A2 due to the fact that the Asset Delivery return is nearly all of the total, with minimal C&OD input.

**Line 3 - Mains Relined (km)**

At present this activity is not carried out either by Networks Water or by Asset Delivery and the Confidence Grade is A1 as the total is 0.00km.

**Overall Line Confidence Grade is A1 as** the return is zero for both Asset Delivery and C&OD Networks Water.

There has been no change in the current mains relined figures in PC21 as this methodology is not currently used within NI Water. The Asset Delivery Team continue to review the value for money from the delivery of mains relining.

**Line 4 - Mains Cleaned (km)**

| Line | Description | Units | DP | AD | AD CG | C&OD | C&OD CG | Total | Overall CG |
|---|---|---|---|---|---|---|---|---|---|
| 4 | Mains cleaned (total) | km | 2 | 0.00 | A1 | 2,217.09 | B3 | 2,217.09 | B3 |

**Asset Delivery**

This activity is not currently an activity carried out by the AD Team.
Watermains Conditioning is however being considered by NI Water as a value for money, way forward to Rehabilitate watermains which have good structural integrity but are contributing to poor water quality.
**Confidence Grade A1**

**C&OD Networks Water**

Detailed data for the reporting period was collated by the Water Production Line (Networks Water) Operational (WPL) Team using MWM system reports. As directed by the Regulator, repeat flushing of the same length of main has been discounted.

Work Orders are automatically generated at various frequencies and dispatched to Distribution Technicians in the field. This information is captured on the MWM system.

The recorded units are the total number of reactive fire hydrant flushing jobs plus the count of flushing MST's active on the Ellipse system, minus those flushing MST's which have not been performed a minimum of once in the report year. This has been converted from units to km using a revised factor of 0.317km per flushing.
(See Methodology statement for detail).

- The 2023/4 information return is: 6994no. flushings x 0.317km per flush = 2217.09kms.

For AIR24, Maintenance Scheduled tasks (MST's), as part of the planned flushing programme, have continued to be implemented. The programme has been amended from the previous year only in that some frequencies of flushing have been reduced but locations remain generally the same. Some MSTs have been removed due to the on-going mains rehabilitation programme and others added as a consequence of repeat customer complaints or water quality sample failures.

The total length of main flushed is comparable to the average of the last 5 years figure of 2,245.97nr.

**Confidence Grade B3**

Although the total no. of reactive flushing jobs may contain some repeat flushings, at the same location these are considered to be minimal, and the Company considers the data collated for this line to be continually improving.

There is a notable decrease in the completed no. of reactive flushing's which may be linked to overall improvements in water quality standards and 'Calm Network' training previously completed by both Distribution Technicians and contractor's staff.

As per previous audit recommendations the number of flushings have been converted to km.

The number of flushings have been captured for the period 1st April 23 – 31st March 24 year using base information from MWM and then converted to km using the revised factor of 0.317.

**Future Reporting**

For AIR 25 NI Water will continue to use the established process for monthly reporting using MWM as a source for base information. The MST flushing programme is under continuous review with the addition and removal of MST's on an on-going basis and adjustments to the frequency of individual MST's. Data will continue to be collated in relation to reviewing the applied factor of 0.317km per flush.

**Overall Confidence Grade = B3 as the cleaning has been exclusively carried out within C&O Directorate**

**Line 6 - New mains (km)**

| Line | Description | Units | | DP | AD | AD CG | C&OD | C&OD CG | Total | Overall CG |
|---|---|---|---|---|---|---|---|---|---|---|
| 6 | New mains | km | | 2 | 78.27 | A2 | 45.90 | B3 | 124.17 | B2 |

**Asset Delivery**

All Asset Delivery information is compiled from Asset Delivery contract management information monthly returns. This is an accurate measurement of the actual lengths of water mains laid, renovated or replaced, compiled from contractor's on-site records and joint measures with consultant site supervisors. The information is collated from each individual contract on a monthly basis and aggregated into an overall annual figure.

*Total New mains calculation = 57.956km of Rehab Mains and 17.797 from Non rehab Strategic mains and 2.52km of distribution mains laid alongside strategic mains = New Total 78.273km.*

**Asset Delivery Confidence Grade is A2. This figure is obtained from Monthly Reports in CMS and aggregated into an annual return.**

**C&OD Networks Water**

Data for the period 1st April 23 – 31st March 24 was collated by the WPL Team from the Requisition and Construction Managers (R&C Managers) based in Developer Services (DS) function. When checked and confirmed the details were transferred onto a spreadsheet managed by the Water Business Unit. This figure primarily includes data for new mains laid in new housing developments throughout the year.

C&OD Networks Water (data provided by R&C Managers within DS) is the sole contributor for new mains laid in new housing developments.
This figure of 45.90km is comparable to the 5-year average figure of 55.41.

**C&OD Networks Confidence Grade is B2.** This figure is comparable to the average of the last 5 years.

**Future Reporting**
For AIR 25 the WPL Team will continue to use the established process for monthly reporting using MWM as a source for base information.

**The Overall Line Confidence Grade is B2** -This figure is arrived at by considering that the AD total is similar to the C&OD total. It is reasonable therefore to state that the CG assessment can be considered to be B2.

**Line 6a: Total Length of new, renewed or relined Mains (km)**

| Line | Description | Units | DP | AD | AD CG | C&OD | C&OD CG | Total | Overall CG |
|---|---|---|---|---|---|---|---|---|---|
| 6a | New renewed or relined mains | km | 2 | 147.68 | A2 | 46.42 | B2 | 194.10 | A2 |

This is the calculated sum of Lines 2, 3 and 6 the Asset Delivery Total
A slight increase of around 2.5 % on last year, so broadly similar output

**Overall Line Confidence Grade is A2** as CSD contribution is around 30% of the AD total, therefore the A2 Confidence Grade predominates.

**Line 6b - Length of new, renewed or relined mains delivered under the Water Main Rehabilitation Programme (km)**

| Line | Description | Units | DP | AD | AD CG | Total | Overall CG |
|---|---|---|---|---|---|---|---|
| 6b | New renewed or relined mains under WMRP | km | 2 | 127.37 | A2 | 127.37 | **A2** |

AD has continued its method of reporting on new mains in line 6 to comply with the Regulator's Annual Information Return reporting requirements and definitions manual.

The figure of 127.37km is derived from the Asset Delivery totals Watermains Rehab of 69.411km of rehabilitated Watermains Rehab plus 57.956km of new mains. (Relining was not utilised as a watermains rehabilitation technique during this period.)
The total increase from Year 1 to Year 2 was 20% and from year 2 to Year 3 was around 3%
This total is still below the *average* annual PC21 target of 139.7km

**Overall Line Confidence Grade is A2** as the Asset Delivery Team are the only contributors to this line.

**Line 7 - Mains abandoned and other changes (km)**

| Line | Description | Units | DP | AD | AD CG | C&O D | C&OD CG | Total | Overall CG |
|---|---|---|---|---|---|---|---|---|---|
| 7 | Mains abandoned and Other Changes | Km | 2 | 138.88 | A2 | 0.16 | B3 | 139.04 | A2 |

**Asset Delivery**

The total of Abandoned Mains in this period = 138.882 from CPMR Sheet total,
Add in the 0.16km from the C & OD Team = 139.04km
Asset Delivery Confidence Grade is A2.

**C&OD Networks Water**

Data for 1st April 23 – 31st March 24 was collated by Field Managers, confirmed and input to a spreadsheet managed by the Reservoir Safety and Compliance Unit who collate the data for the annual reporting period.
Asset Delivery Function is again the primary contributor to this information, but Networks Water will continue to have a minimal input where appropriate.

**Confidence Grade: B3**

Continuing discussion and guidance will be on-going for the relevant Field Managers when providing this information.

**Future Reporting**

For AIR 24 Networks Water will continue to develop the established process for monthly reporting using MWM as a source for base information.
C&OD Networks Water Confidence Grade is B3.

**The Overall Line Confidence Grade is A2** as the vast majority , of this return is from Asset Delivery

**Line 8a: Lead Communication pipes replaced – as a consequence of water quality sample failures (no.)**

| Line | Description | Units | C&OD | Total | Overall CG |
|---|---|---|---|---|---|
| 8a | Lead Communications Pipes replaced as consequence of WQ Sample Failures | Nr | 25 | 25 | B2 |

Data for the reporting period 1st April 23 – 31st March 24 was collated using system reports by Requisition and Construction Managers based in Developer Services Function. The details, when checked and confirmed, were input onto a spreadsheet. This is managed by The Reservoir Safety and Compliance Unit, on behalf of The Customer and Operations Directorate (C &OD), which collates the data for the annual reporting period.

Scientific Services section also hold records of addresses where water quality samples have failed in relation to lead content. The 5-year average for this is 21nr.

The continuing high level of water quality standards is resulting in the ability to reduce lead communication pipes remaining in the network. Sample locations are also random which means that areas where lead may still be prevalent can be underrepresented.

**Future Reporting**

For AIR 24, Networks Water will continue to use the refined definitions for Lead Communication Pipe replacements for monthly reporting using both MWM as a source for base information and Scientific Services records.

**Overall Line Confidence Grade is B2**.

**Comment** – This figure continues to be minimal compared to the figures submitted for Line 8b.

**Line 8b - Lead Communication pipes replaced – as a consequence of customers replacing their lead supply pipe (no.)**

| Line | Description | Units | C&OD | Total | Overall CG |
|---|---|---|---|---|---|
| 8b | Lead Communications Pipes replaced as consequence of Customers notifying of supply pipe change | Nr | 422 | 422 | B2 |

Data for the reporting period 1st April 23 – 31st March 24 was collated using system reports by Requisition and Construction Managers (R&C Managers) based in Developer Services (DS) Function. When checked and confirmed the details were transferred onto a spreadsheet managed by the Reservoir Safety and Compliance Unit WPL Team.

**Confidence Grade: B2**

This figure is comparable to the 5-year average figure of 441 nr per year but there is no set target for this line as it is customer driven.

**Future Reporting**

For AIR 24 Networks Water will continue to use the refined definitions for Lead Communication Pipe replacements for monthly reporting using MWM as a source for base information.

There is no set target for this line. These relatively small figures each year can easily fluctuate as the replacements counted here are opportunistic so there is no significance to this annual change.
**Overall Confidence Grade is B2** as the return is exclusively from CSD.

**Line 8c - Lead Communication Pipes replaced – Opportunistic (no.)**

| Line | Description | Units | AD | AD CG | C&OD | C&OD CG | Total | Overall CG |
|---|---|---|---|---|---|---|---|---|
| 8c | Opportunistic Lead Communications Pipes replaced | Nr | 73 | A2 | 51 | B3 | 124 | B3 |

**Asset Delivery**

These are Lead Comms pipes which have been encountered while replacing watermains and which have been replaced by plastic pipes.

**C&OD Networks Water**

Data for the reporting period 1st April 23 – 31st March 24 was collated by the Reservoir Safety and Compliance Unit Business Unit using MWM system reports run on a monthly basis by Field Manager area for selected Standard Jobs. When checked and confirmed the data was

input onto a spreadsheet managed by the Water Business Unit. This figure is comparable to the average 5-year figure of 40nr.

**Confidence Grade: B3**

This figure is up slightly in comparison to the 5 year average figure of 40nr. These numbers are however small and therefore this does not indicate a significant trend. It remains problematic when analysing some Work Orders to ascertain if a full communication pipe replacement has taken place and if lead was a factor. This is generally dependent on the repair crew adding suitable closure comments or on comments provided by the initiator of the job. There are varying degrees of accuracy and detail across different Field Manager areas.

**Future Reporting**

For AIR 24 Networks Water will continue to use the established process for monthly reporting using MWM as a source for base information.

**Overall Line Confidence Grade is B3** using the CSD figure of B3 due to the Zero return from the AD Team

**Line 8d - Lead Communication pipes replaced – Proactive lead replacement programme (no.)**

| Line | Description | Units | AD | Total | Overall CG |
|---|---|---|---|---|---|
| 8d | Lead Communications Pipes replaced under proactive programme | Nr | 2,016 | 2,016 | A2 |

**Overall Confidence Grade is A2** due to the fact that all of this data was sourced from the Asset Delivery Team whose CG is A2 for this line. This output figure is an accurate representation of this activity as it is a proactive Project focused on replacing a number of lead communications pipes in defined areas.

**The average PC 21 target per year is = 1,844 x 3 (years) = 5,532nr**
**The PC21 Running Total is 5,783nr therefore we are on target .**

**Line 9 - Total Lead Communication Pipes Replaced – Sum of 8a, 8b, 8c and 8d (no.)**

| Line | Description | Units | AD | AD CG | C&OD | C&OD CG | Total | Overall CG |
|---|---|---|---|---|---|---|---|---|
| 9 | TOTAL Lead Communications Pipes replaced | Nr | 2,089 | A2 | 498 | B2 | 2,587 | A2 |

**Asset Delivery**

This is the calculated sum of Lines 8a, 8b, 8c and 8d
Asset Delivery Water Confidence Grade is A2.

**C&OD Networks Water**

This is the calculated sum of Lines 8a, 8b, 8c and 8d
**Calculation** = 498
This figure has decreased this year and is primarily linked to the figures provided for line 8b.

**Future Reporting**

For AIR 24 Networks Water will continue to use the established process for monthly reporting using MWM as a source for base information.

**C&OD Networks Water Confidence Grade is B2.**

**Overall Line Confidence Grade is A2,** as approx. 80% of this return is from the Asset Delivery Team.

**Line 10 - Communication pipes replaced – other (no.)**

Number of communication pipes (all types of materials but excluding lead) replaced for other reasons (e.g. at the customer's request or due to Rehab of the watermain)

| Line | Description | Units | AD | AD CG | C&OD | C&OD CG | Total | Overall CG |
|---|---|---|---|---|---|---|---|---|
| 10 | Communications Pipes replaced (other) | Nr | 2,320 | A2 | 1191 | **B3** | 3,511 | A2 |

**Asset Delivery**

This data comes from the summary data collected monthly in the NI Water CPMR System, for the period April 2023 to March 2024, (which are submitted/compiled monthly by the Asset Delivery Team

**C&OD Networks Water**

Data for the reporting period 1st April 23 – 31st March 24 was collated by the Reservoir Safety and Compliance Unit Business Unit using MWM system reports run on a monthly basis by Field Manager area for selected Standard Jobs. When checked and confirmed, the data was input onto a spreadsheet managed by the Team.

**Confidence Grade: B3**

The total Network Team figure of 1,191 is comparable to two of the last 5 years returns but a bit lower than the average for the last 5 years of 1,624nr. It remains problematic when analysing some Work Orders whether or not a full communication pipe replacement has been carried out or only a localised burst service repair completed. This is generally dependent on the repair crew adding suitable closure comments or on comments provided by the initiator of the job. The level of accuracy and detail provided varies by Field Manager area, however some repair crews over the last number of months, have been changing the completed standard job from replace Comms. Pipe to the accurate standard job for the actual repair carried out. Going forward, this will help to somewhat improve the accuracy of the activity carried out.

**Future Reporting**

For AIR 25 Networks Water will continue to use the established process for monthly reporting using MWM as a source for base information.

**C&OD Networks Water Confidence Grade is B3.**

**Overall Confidence Line Grade is A2** as approximately 60% of this return comes from the Asset Delivery Team

**Line 11 - Mains bursts per 1,000km**

The specified unit for Line 11 is Mains Bursts per 1,000km. NIW do not currently record Mains Bursts per 1000km but record the actual number of Mains Bursts Repairs carried out. Detailed data for the reporting period April 23 – March 24 was collated using MWM system reports which when checked and confirmed were transferred onto a summary spreadsheet. Several repairs attributable to third party damage have also been extracted from the final total. The total no. of mains bursts repairs for Networks Water was then converted to bursts per 1,000km.

**Calculation of Mains Bursts per 1,000km**

Total Burst Mains divided by Total length of mains multiplied by 1,000
2288 – 12 (re-chargeables) / 27215.43 = 0.0826 x 1,000 = 83.6
**Total Bursts per 1,000km = 83.6**

2020 information return is 2,237 (inc. 26 no. re-chargeables)
2021 information return is 2,400 (inc. 29 no. re-chargeables)
2022 information return is 2,498 (inc.10 no. re-chargeables)
2023 information return is 2,513 (inc.17 no. re-chargeables)
2024 information return is 2,288 (inc.12 no. re-chargeables)

**Proportion of bursts within line 11 detected by proactive methods**

The total number of Mains Repairs carried out by the Water Production Line (Networks Water) was 2,288 (including 12 no. due to third party damage).

The number of mains repairs carried out due to non-proactive leakage detection methods was 1063.

The number of mains repairs carried out due to proactive leakage detection methods was 1225.

**Confidence Grade B3**

Networks Water, within the Water Production Line, underwent some re-organisational change in early June 2019 but this has not impacted data capture methodologies or technical processes when collating the required information.

| Burst Numbers Summary Table | AIR19 | AIR20 | AIR21 | AIR22 | AIR23 | AIR24 | Percentage changes | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | AIR22 to AIR23 | AIR23 to AIR24 |
| CSD Networks Water (non-proactive detection) | 1451 | 1186 | 1268 | 1353 | 1371 | 1063 | 1.3% | -22.5% |
| CSD Networks Water (proactive detection) | 1111 | 1051 | 1132 | 1145 | 1142 | 1225 | -0.3% | 7.3% |
| Third party damage | 95 | 26 | 29 | 10 | 17 | 12 | 70.0% | -29.4% |
| Total | 2467 | 2211 | 2371 | 2488 | 2496 | 2276 | 0.3% | -8.8% |
| Burst rate per 1000km | 91.5 | 81.9 | 87.8 | 91.8 | 92 | 83.6 | 0.2% | -9.1% |

The number of bursts for Networks Water has been captured for the complete year using base information monthly from MWM reporting systems. In conjunction with burst flag reports, taken from the CAR2Map database, individual Work Orders have been analysed and duplicates and non-mains repairs extracted. This year's burst rate figure has dropped since the AIR 23 figure and is lower than the average figure for the last five-year reporting

period (AIR19 to AIR23) i.e., 89.0. The following comments continue to be positive factors in relation to burst main repair numbers:

- Mains rehabilitation schemes continue to have a positive impact in reducing the no. of defects with older iron mains being replaced.
- Pressure Management Schemes in targeted areas including new installations, replacements, and the relocation of pressure reducing / sustaining valves.
- Continuing detail has been paid to the classification of mains repairs as opposed to communication pipe repairs or replacements.
-

The number of mains repairs due to non-proactive reported bursts has dropped this year, whereas number of mains repairs due to proactive leakage detection, has increased slightly since the AIR 23 reporting period. The drop in non-leakage reported burst mains repairs will primarily be down to there being no prolonged cold spells in this reporting period, unlike the AIR 23 reporting period, which had prolonged cold spells throughout December and January in particular.

The number of mains repairs due to proactive leakage detection methods has increased slightly in comparison with the last five years' average figure from AIR 19 onwards (1116 no.), however the change is negligible and there has been continued emphasis on proactive leakage detection by 'In House' Crews.

There has been a slight decrease in the number of repairs attributable to Third Party Damage (12 no.), compared the 2023 figure, which was 17, but the figures are comparable to the figures for the previous five years. The reasons that the figure for these remain quite low are unclear and are difficult for NI Water to manage as the figure is dependent on both contractors admitting liability and front-line operatives initiating the re-chargeable process.

**Unplanned, Unwarned Interruptions.**

**Comparison of Burst Rate *(T11: L11) and* Unplanned Interruptions >3hrs *(T2: L5)***

The **Table 11: Line 11** outturn number of bursts per 1,000 km of mains and **Table 2: Line 5** outturn number of properties affected by unplanned interruptions >3hrs are closely related as the majority of unplanned interruptions are caused by bursts. However, the trends for these two measures will not necessarily be the same because some properties will experience an interruption of 3 hours or less as the result of a burst main event and their numbers will not contribute to the regulatory return which is based only on interruptions lasting more than 3 hours.

The following table lists the outturn numbers of **bursts** for the last three years, including and excluding the impact of extreme or uncommon events.

| **Bursts** | **2021/22** | **2022/23 inc. Freeze/ Thaw** | ***2022/23 exc. Freeze/ Thaw*** | **2023/24** |
|---|---|---|---|---|
| Bursts (nr) | 2,498 | 2,513 | *2,312** | 2,276 |
| Difference | +98 | +15 | *-186* | -63 |
| % Difference | +4.1% | +0.6% | *-7.4%* | -2.7% |
| Trend | Increase | No Change | *Decrease* | Decrease |

**Excludes an estimated 201 bursts associated with Freeze/Thaw in December* 2022

The following table lists the outturn numbers of **properties affected by unplanned interruptions >3hrs** for the last three years, including and excluding the impact of extreme or atypical events.

| **Unplanned >3hrs** | **2021/22 inc. Dunore TM burst** | ***2021/22 exc. Dunore TM burst*** | **2022/23** | **2023/24 inc. Westland SR valve fault** | ***2023/24 exc. Westland SR valve fault*** |
|---|---|---|---|---|---|
| Properties (nr) | 35,321 | *21,859** | 15,495 | 14,654 | *9,884*** |
| Difference | +10,878 | *-2,584* | -6,364 | -841 | *-5,611* |
| % Difference | +44.5% | *-10.6%* | -29.1% | -5.4% | *-36.2%* |
| Trend | Increase | *Decrease* | Decrease | Decrease | *Decrease* |

**Excludes 13,462 properties affected by Dunore pumping main burst in July 2021*
***Excludes 4,770 properties affected by Westland SR valve fault in August 2023*

When the affected property outturns for 2022/23 and 2023/24 are compared, including an adjustment for an incident involving a valve fault at Westland Service Reservoir in August 2023, the figures confirm that 5,611 fewer properties were affected in the last year, a reduction of 36.2%. As the burst rate trend would suggest only a decrease of 2.7%, the uncharacteristically high reduction in property outturn requires explanation.

The reduction is an indication that the average duration of unplanned interruption has reduced, with more interruptions now lasting 3 hours or less and fewer properties contributing to the regulatory return as a result. This reduction has been achieved through changes in the way that bursts are managed. Whenever possible, NI Water will use rezoning techniques to keep its customers in supply. This means that for many customers, the impact from a burst will be minimal. However, NI Water has a large rural network and re-zoning opportunities are sometimes limited. When re-zoning isn't an option, the Company now uses Mobile Booster Trailers to keep customers in supply and to greatly reduce the amount of time that customers are out of supply. The trailers can be taken to the location of bursts and are used to maintain water pressures while repairs are being carried out.

NI Water's **ITS Strategy** is focussed on improving DG3 performance and reducing the Average Minutes of Lost Supply per Connected Property. As part of the work being undertaken, the Company has engaged with other companies with a similar population size and dispersal to develop a better understanding of the technologies and techniques employed to deal with bursts and has invested in these areas.
The Company also continues to invest in the proactive rehabilitation of its water main infrastructure, reducing the likelihood of bursts occurring on older parts of the network and in areas where issues have arisen in the past. Key elements of the ITS Strategy are summarised below.

- **Capital Investment in Watermains**
- **Post-Interruption Reviews (PIRs)**
- **Working Differently**
- **SMART Network**
- **CALM Network**

NI Water now has a designated Alternative Water Supplies team responsible for maintaining supply to customers during major incidents. AWS includes the management of tankering operations and in more extreme cases, the deployment of static tanks and the distribution of bottled water. By tankering directly into service reservoirs where levels are falling, depletion issues can be avoided and customers continue to receive water from their taps. Having a designated AWS team enables water supply and distribution staff to remain focused on their normal task of restoring supply to the network.

**Future Reporting**

For AIR 25 Networks Water will continue to use the established process for monthly reporting using MWM systems as a source for base information.

**Line 12 - Total length of mains on 31st March**

This figure has been extracted from the Corporate Asset Register.
There has been a small change to the structure of the data reported on this year. A new mains type has been added to the data structure (strategic distribution) which required changes to the query to ensure it was still counted in the calculations.
The confidence grade of the data will remain the same as the previous year. There has been no deterioration in data quality since the previous AIR submission. Any new data will have adhered to the NIW Code of Practice for the submission of asset data ensuring that data quality levels have been maintained throughout the year.

This figure has not been calculated from Lines 1, 2, 6 and 7, it has been extracted using the process outlined in the methodology using data extracted from the Corporate Asset Register.

**Lines 18 - 21 - Drinking Water Compliance**

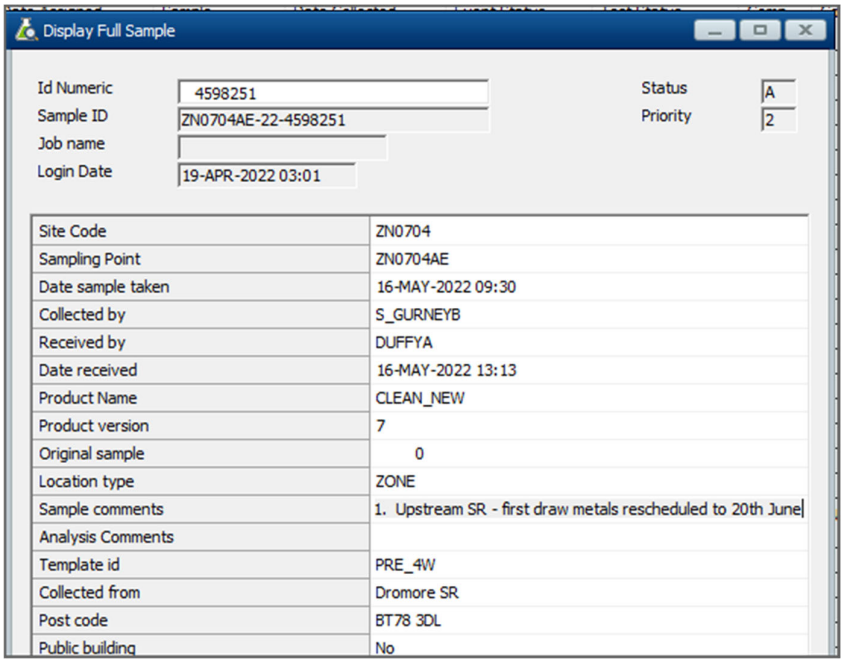
Please note, that due to customer tap samples being collected to a large extent at upstream service reservoirs, we experienced a lower level of exceedances from 2020 to 2022 compared to years prior to 2020. In particular, this affected Iron exceedances, as the sample points being used were being routinely flushed as part of the regulatory weekly sampling at service reservoirs.

Even after we resumed sampling at customer tap, on very many occasions the samplers were unable to gain access, so had to again take the sample at an upstream service reservoir, so again those tests had to be rescheduled. This led to issues with first draw tests needing to be rescheduled, as these tests are unrepresentative if not collected at the customer tap

| Year | Site Code | Sample Point Name | Parameter | Date | Target |
|---|---|---|---|---|---|
| 2022 | ZN0704 | Lough Bradan Drumquin Zone Audit Random Sample Point | Lead | 14/02/2022 | 8 |
| 2022 | ZN0704 | Lough Bradan Drumquin Zone Audit Random Sample Point | Lead | 28/03/2022 | 8 |
| 2022 | ZN0704 | Lough Bradan Drumquin Zone Audit Random Sample Point | Lead | 16/05/2022 | 8 |
| 2022 | ZN0704 | Lough Bradan Drumquin Zone Audit Random Sample Point | Lead | 27/06/2022 | 8 |
| 2022 | ZN0704 | Lough Bradan Drumquin Zone Audit Random Sample Point | Lead | 15/08/2022 | 8 |
| 2022 | ZN0704 | Lough Bradan Drumquin Zone Audit Random Sample Point | Lead | 26/09/2022 | 8 |
| 2022 | ZN0704 | Lough Bradan Drumquin Zone Audit Random Sample Point | Lead | 14/11/2022 | 8 |
| 2022 | ZN0704 | Lough Bradan Drumquin Zone Audit Random Sample Point | Lead | 12/12/2022 | 8 |

For example, the first draw test highlighted above scheduled for 16th May had to be rescheduled to 20th June as the sampler could not gain access to the randomly selected address.

The full sample comment is "*No access Nos. 34, 58, 71. Upstream SR - first draw metals rescheduled to 20th June*".




As such, the compliance assessments during the COVID-19 pandemic should not be compared with as rigorous a scrutiny against pre and post pandemic compliance assessments with regard to trend analysis. The affected years have been highlighted below as greyed out.

Results from NIW Alpha assets are included in the overall compliance with drinking water regulations and at customer tap, as certain parameters are analysed at these assets as "Supply Point Parameters", where they may be analysed either at customer tap or at an upstream authorised supply point. As such, they cannot be separated from the pure NI Water assets for compliance assessment. In addition to this, the compliance assessment is for Northern Ireland as a whole, and not only the areas supplied by NI Water only.

The compliance calculations below are now calculated automatically and provided online in a Power BI report – DWI / NIW Drinking Water Quality

**Line 18 - % Overall compliance with drinking water regulations**

NI Water is assessed for its overall performance by % Overall Compliance at customer tap, WTWs, SRs, and Authorised Supply Points. Under this measurement method, there has been a plateauing in compliance over the last number of years, against a Utility Regulator specified target of 99.83%. Please note that water supplied from NIW Alpha assets is included in the compliance assessment. **This figure has been affected as discussed above, by not sampling all zone samples at customer taps during the COVID-19 period. The affected years are struck through.**

| Reporting Year | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|---|---|---|---|---|---|---|---|---|---|
| % Overall Compliance | 99.83 | 99.86 | 99.88 | 99.90 | 99.90 | ~~99.94~~ | ~~99.89~~ | 99.91 | 99.92 |

**Line 19 - % Compliance at consumers tap (including supply points)**

NI Water is assessed for its overall performance by % Compliance at customer tap including authorised supply points. Please note that water supplied from NIW Alpha assets is included in the compliance assessment. **This figure has been affected as discussed above, by not sampling all zone samples at customer taps during the COVID-19 period. The affected years are struck through.**

| Reporting Year | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|---|---|---|---|---|---|---|---|---|---|
| % Compliance at consumer tap (including supply points) | 99.74 | 99.77 | 99.81 | 99.83 | 99.84 | ~~99.91~~ | ~~99.82~~ | 99.88 | 99.88 |

As the root data used for the derivation of these lines is accurate, but there is an inherent uncertainty in any non-bacteriological analytical measurement, the confidence grade should be reported as A2.

**Line 20 - % Iron compliance at consumers tap**

**This figure has been affected as discussed above, by not sampling all zone samples at customer taps during the COVID-19 period. The affected years are struck through.**

During 2022, although we officially returned to sampling at customer taps in mid-March, many samples continued to be sampled at an upstream service reservoir due to lack of access to customer properties. This led to a slightly higher Iron compliance than would otherwise have been expected, as the sample points being used were being routinely flushed as part of the regulatory weekly sampling at service reservoirs.

During 2023 however, all samples were collected as normal.

| Reporting Year | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|---|---|---|---|---|---|---|---|---|---|
| % Iron compliance at consumer tap | 98.40 | 98.66 | 98.85 | 98.94 | 98.89 | ~~99.56~~ | ~~99.35~~ | 99.15 | 99.71 |

As the root data used for the derivation of these lines is accurate, but there is an inherent uncertainty in any non-bacteriological analytical measurement, the confidence grade should be reported as A2.

**Line 21 - % Service reservoirs with coliforms in >5% samples**

NI Water has continued to report 0 for this metric, having had 0 service reservoirs with >5% exceedances over the last number of years. There is an ongoing service reservoir cleaning programme to maintain this.

As the root data used for the derivation of these lines is accurate and the bacteriological analysis shows no presence of coliforms in >5% of samples, the confidence grade should be reported as A1.

For 2023, all PC21 targets were met.

**Lines 22-24 – Nominated Water Service Outputs**

Refer to Table 40a for detailed commentary on these lines.

**Line 25 - Number of school visits**

There were 219 schools visited (in-person) during this reporting period. This figure exceeds the annual PC21 target of 176 for School Visits, with an overall total target of 1056 for the duration of the six-year term.

**Line 26 - Number of other education events**

There were 78 other education events attended (in-person) during this reporting period. The PC21 target of Other Education Events is 57 per annum, with an overall target of 342 for the duration of this six-year term.

**Line 27 – Number of catchments where management plan recommendations have been implemented**

All 23 live drinking water catchments had a Catchment Management Plan (CMP) implemented in PC15.

These 23 CMPs were then prioritised down to a figure of 20 prior to PC21, after a prioritisation exercise was carried out by RPS. Prioritisation was carried out to ensure best use of resource in the PC21 period, in catchments were pressures and threats exist. This prioritisation report and associated catchment specific measures ('recommendations') then informed the PC21 SCaMP Business Case (appendix 4B specifically) and SCaMP work programme.

Targets for the number of catchments where management plan recommendations (measures) have been implemented in PC21 period are below:

| PC21 | | | | | |
|---|---|---|---|---|---|
| **2021-22** | **2022-23** | **2023-24** | **2024-25** | **2025-26** | **2026-27** |
| 0 | **3** | 4 | 5 | 5 | 3 |

In the 2023-24 period, 4 catchments had all management plan recommendations completed, meeting the target of 4. These catchments are Carmoney, Derg, Ballinrees and Caugh Hill.

There are other catchment management recommendations/measures underway/ongoing in other catchments but are not yet fully completed and are not counted towards 2023-24 targets.

**Line 28 - Number of treatability studies completed**

The reported number of treatability studies completed in PC21 is 1 (No change from AIR23). This is based on studies completed to date in PC21 with outcomes available to inform the PC27 submission as per the reporters' requirements.

This is seven less than indicated in the Treatability Studies Completed Programme submitted in AIR23. The delays are as consequence of two main issues. The first relates to the time required and associated staff availability to complete the reports, once the pilot work has been completed on-site. There are currently three sites for which treatability pilots have been completed on-site for some time, however the reports for these are still awaiting completion. NI Water has recently addressed these delays with additional support procured. The second issue relates to delays caused by longer than anticipated timescales for the mobilisation and demobilisation of pilot plants. It can take a number of weeks for both activities which has added to the overall time scale required for delivery.

As a consequence of the delays, there have been some proposed amendments to the overall treatability programme with a summary in Table 1 below and further detail in Table 2. As part of the original PC21 proposed program NI Water had identified that 12 treatability studies would be completed in time to inform the PC27 submission. Following the latest review, it is now anticipated that only 9 treatability studies will be completed in time to inform the submission. It is planned that another two treatability studies will be completed in PC21 but not in time to inform the submission and these will likely form part any PC27 Mid-Term Review.

The amended program has been agreed via the NI Water WTW Treatability Group which assesses the performance of the various WTWs including outputs from the Drinking Water Inspectorate/NI Water Compliance meetings and Drinking Water Safety Plans.

NI Water has submitted the current pilot program to DWI through the DWI/NIW compliance programme meeting and they are supportive of the approach being adopted. NI Water update UR on annual basis on the treatability program through the Table 11 Line 28 submission.

**Table 1 – Treatability Studies Summary**

| Output | | 2021-22 | 2022-23 | 2023-24 | 2024-25 | 2025-26 | 2026-27 |
|---|---|---|---|---|---|---|---|
| **Number of treatability studies completed** | **PC21 Proposed Programme** | 0 | 0 | 0 | 12 | 0 | 0 |
| | **AIR23 Programme** | 0 | **1** | 7 | 3 | 1 | 0 |
| | **Current Programme** | 0 | **1** | 0 | 5 | 3 | 0 |

**Table 2 – Current Pilot Program**

| WTWs Name | Year | Primary Reason | Outcomes available to inform: | | | Status | Update from AIR23 |
|---|---|---|---|---|---|---|---|
| | | | PC21 | PC27 Submission | PC27 MTR | | |
| Carmoney | 2022/23 | [redacted] | | Y | | Delayed | Treatability Pilot Study complete on site. Draft report completed but to be reviewed before sign-off. |
| Drumaroad | 2022/23 | [redacted] | Y | | | Complete | Treatability Pilot Study and associated report complete and approved. Please note not claimed as treatability study output as informs |

| WTWs Name | Year | Primary Reason | Outcomes available to inform: | | | Status | Update from AIR23 |
|---|---|---|---|---|---|---|---|
| | | | PC21 | PC27 Submission | PC27 MTR | | |
| | | | | | | | PC21 & PC27 as per guidance. |
| Dungonnell | 2022/23 | [redacted] | | Y | | Delayed | Treatability Pilot Study complete on site but awaiting completion of report. Should be available by October 24. |
| Altnahinch | 2022/23 | [redacted] | | Y | | Delayed | Treatability Pilot Study complete on site but awaiting completion of report. Should be available by October 24. |
| Castor Bay | 2023/24 | [redacted] | | Y | | Delayed | Treatability Pilot Study currently on-going. Due to complete on-site September 24 with report to follow. |
| Fofanny | PC27 | [redacted] | | | Y | Deferred PC27 | Following a review due to funding restraints the pilot study for this site has been deferred to PC27. |
| Dunore Point | 2025/26 | [redacted] | | Y | | Planned | The treatability study for this site was originally planned for 2023 but now planned for 2025. This is due to delays caused by longer than anticipated |

| WTWs Name | Year | Primary Reason | Outcomes available to inform: | | | Status | Update from AIR23 |
|---|---|---|---|---|---|---|---|
| | | | PC21 | PC27 Submission | PC27 MTR | | |
| | | [redacted] | | | | | timescales for the mobilisation and demobilisation of pilot plants. |
| Killyhevlin | 2023/24 | [redacted] | | Y | | Delayed | Treatability Pilot Study currently on-going. Due to complete on-site June 24 with report to follow. |
| Lough Bradan | 2026/27 | [redacted] | | | Y | Planned | The treatability study for this site was originally planned for 2023 but now planned for 2026 due to a reprioritisation of pilot study needs. |
| Camlough | N/A | [redacted] | | | | N/A | Following outputs from the current Draft Water Resource & Supply Resilience Plan there is no requirement to bring Camlough back into operation and therefore study is no longer required.. |
| Lough Fea (Phase 1) | 2022/23 | [redacted] | | Y | | Complete | The treatability study for this site was originally planned for 2024 but was brought forward to support groundwater testing that was carried out in the |

| WTWs Name | Year | Primary Reason | Outcomes available to inform: | | | Status | Update from AIR23 |
|---|---|---|---|---|---|---|---|
| | | | PC21 | PC27 Submission | PC27 MTR | | |
| | | | | | | | vicinity of the WTWs as part Water Resource Optioneering |
| Clay Lake | 2025/26 | [redacted] | | | Y | Deferred PC27 | Following a review due to funding restraints the pilot study for this site has been deferred to PC27. |
| Killylane | 2025/26 | [redacted] | | | Y | Planned | The treatability study for this site was originally planned for 2024 but now planned for 2025. This is due to delays caused by longer than anticipated timescales for the mobilisation and demobilisation of pilot plants. |
| Moyola | 2023/24 | [redacted] | | Y | | Delayed | Treatability Pilot Study currently on-going. Due to complete on-site March 25 with report to follow. |
| Carran Hill | PC27 | [redacted] | | | Y | Deferred PC27 | Following a review due to funding restraints the pilot study for this site has been deferred to PC27. |

| WTWs Name | Year | Primary Reason | Outcomes available to inform: | | | Status | Update from AIR23 |
|---|---|---|---|---|---|---|---|
| | | | PC21 | PC27 Submission | PC27 MTR | | |
| Caugh Hill | 2023/24 | [redacted] | | Y | | Delayed | Treatability Pilot Study currently on-going. Due to complete on-site December 24 with report to follow. |
| Lough Fea (Phase 2) | 25/26 | [redacted] | | N/A | | Planned | This is a new addition to the list from previous. Please note not to be claimed as treatability study output as Lough Fea Phase 1 already claimed. |

**Lines 29-36 - Water Models**

All of the InfoWorks WS Pro hydraulic models are constructed in adherence to NI Water's Clean Water Network Modelling Model Build Specification. This document outlines the specific requirements of All Mains Hydraulic Network Models for NI Water. The purpose of the documentation is to standardise the methodology and reporting procedures for all future studies and to ensure that both internal and external resources adopt a consistent approach, utilising the latest industry good practise to maximise the benefits and cost effectiveness of the modelling programme.

The hydraulic models are rebuilt and kept up to date so they can be used as a tool to help identify network performance problems and develop best value solutions which improve the customers' levels of service. The hydraulic models are currently being used to develop schemes for the Water Mains Rehabilitation programme, determine the impact of new developments, resolve DG2 low pressure problems, verify DG3 figures for Interruption to Supply (ITS) events and support major incidents.

The hydraulic models have aided the completion of 56 Water Impact Assessments throughout the reporting year, the models were utilised to ensure provision of an adequate supply of water for a newly proposed development without causing an adverse impact on the existing network. An example of interventions outlined through model optioneering are 'local rezone' / 'extension of an existing HPPE watermain'.

The hydraulic models are also being used to plan network improvements, inform robust investment decisions and support operational decision making. The model library is continually enhanced to improve coverage across the entire network so that the models can be used as a valuable support tool.

NI Water's current clean water model library contains 18 hydraulic models which have been built in InfoWorks WS Pro and 16 converted models (from Aquis into InfoWorks WS Pro), of the 16 converted models 12 are currently undergoing model build (Status Ongoing) and 5 of are deemed future builds (Status Not Started) – of the 5 models not started there a 4 converted models. There has never been a model built historically for Rathlin Island.

| **Model Name** | **Model status** | **Issued** | **Calibrated** *(midpoint of calibration dates)* | **Completed** | **Time to complete Model (Months)** | **Age Of Model (Years)** |
|---|---|---|---|---|---|---|
| Altnahinch Bushmills | Completed | 17/11/2021 | 19/04/2022 | 05/03/2024 | 27 | 1.00 |
| Ballinrees Coleraine | Completed | 24/11/2020 | 29/10/2021 | 12/02/2024 | 38 | 2.00 |
| Ballinrees Limavady | Ongoing | 21/12/2021 | N/A | N/A | N/A | N/A |
| Ballymena | Completed | 24/11/2020 | 03/05/2021 | 13/08/2022 | 20 | 2.00 |
| Ballywonard | Not started | N/A | N/A | N/A | N/A | N/A |
| Camlough Newry West | Completed | 28/06/2018 | 14/05/2019 | 06/01/2021 | 30 | 4.00 |
| Carmoney Eglinton | Ongoing | 04/08/2022 | N/A | N/A | N/A | N/A |
| Carran Hill | Ongoing | 21/12/2021 | N/A | N/A | N/A | N/A |
| Carrickfergus | Not started | N/A | N/A | N/A | N/A | N/A |
| Castor Bay Dungannon | Not started | N/A | N/A | N/A | N/A | N/A |
| Castor Bay | Completed | 26/11/2020 | 23/06/2021 | 25/10/2023 | 34 | 2.00 |
| Caugh Hill Dungiven | Completed | 24/11/2020 | 02/06/2021 | 18/10/2023 | 34 | 2.00 |
| Clay Lake Keady | Ongoing | 12/04/2023 | N/A | N/A | N/A | N/A |
| Corrody Derry | Ongoing | 04/08/2022 | N/A | N/A | N/A | N/A |
| Derg Strabane | Completed | 29/05/2018 | 11/07/2019 | 06/01/2021 | 31 | 4.00 |
| Drumaroad Ballynahinch | Ongoing | 05/08/2022 | N/A | N/A | N/A | N/A |
| Drumaroad Bangor | Not started | N/A | N/A | N/A | N/A | N/A |
| Drumaroad Downpatrick | Ongoing | 05/08/2022 | N/A | N/A | N/A | N/A |
| Drumaroad Lisburn (Rural) | Completed | 13/11/2019 | 23/09/2020 | 24/02/2022 | 27 | 3.00 |
| Drumaroad Lisburn - Urban | Ongoing | 05/08/2022 | N/A | N/A | N/A | N/A |

| Model Name | Model status | Issued | Calibrated *(midpoint of calibration dates)* | Completed | Time to complete Model (Months) | Age Of Model (Years) |
|---|---|---|---|---|---|---|
| Drumaroad Portaferry_Ards West | Ongoing | 17/11/2021 | N/A | N/A | N/A | N/A |
| Dungonnell | Completed | 24/11/2020 | 02/07/2021 | 09/05/2022 | 17 | 2.00 |
| Dunore East (update) | Completed | 13/09/2018 | 20/04/2021 | 25/02/2020 | 17 | 2.00 |
| Dunore Point Antrim | Ongoing | 21/12/2021 | N/A | N/A | N/A | N/A |
| Foffany North | Completed | 24/11/2020 | 12/10/2021 | 16/09/2022 | 21 | 2.00 |
| Foffany South | Ongoing | 17/11/2021 | N/A | N/A | N/A | N/A |
| Forked Bridge Stoneyford | Completed | 09/04/2020 | 27/01/2021 | 09/08/2021 | 16 | 3.00 |
| Greater Belfast | Completed | 09/04/2020 | 08/07/2020 | 03/12/2021 | 19 | 3.00 |
| Killyhevlin / Enniskillen | Completed | 29/05/2018 | 13/12/2018 | 26/04/2021 | 34 | 5.00 |
| Killylane | Completed | 04/06/2018 | 04/03/2019 | 26/08/2020 | 26 | 5.00 |
| Lough Bradan | Completed | 21/12/2021 | 31/05/2022 | 08/08/2023 | 19 | 1.00 |
| Lough Fea | Completed | 21/12/2021 | 15/08/2022 | 21/02/2024 | 26 | 1.00 |
| Lough Macrory Killyclogher Omagh (update) | Completed | 04/06/2018 | 12/06/2019 | 02/03/2021 | 32 | 4.00 |
| Rathlin Island | Not started | N/A | N/A | N/A | N/A | N/A |
| Seagahan | Ongoing | 12/04/2023 | N/A | N/A | N/A | N/A |

The N/As within the Model Overview Table relate to models with a status of ‘ongoing’ and/or ‘not started’. As these models do not have a Calibration Date or Completion Date the completion Time and the Age of Model cannot be calculated.

NI Water currently plan on achieving full InfoWorks model coverage of the province in Y25/26. The 5 remaining hydraulic models (Ballywonard, Carrickfergus, Drumaroad Bangor, Castor Bay Dungannon and Rathlin Island) that have not started are due to commence model built during early Y24/25. NI Water’s ambition is to have full network coverage of new InfoWorks WS Pro models by Y25/26.

7 models outlined in the table above illustrate a time of 30months + for completion of the first rebuild. 4 of these models (Camlough Newry West/Derg Strabane/Lough Macrory Killyclogher/Killyhevlin) were amongst the first round of models to be built in the new software so the longer duration for completion was down to external resources gaining familiarisation of InfoWorks Pro coinciding with a brand new Model Build Scope within NI Water. The other 3 models (Ballinress Coleraine/Castor Bay/Caugh Hill Dungiven) were delayed owing to the availability of Field Testing equipment.

The average time of completion across the 16 rebuilt models is 26 months.

**Line 29 – Number of models built/rebuilt in year**

During the reporting year 6 hydraulic models have been built in InfoWorks WS Pro and added to NI Water’s current model library replacing the older converted models.

| Model Name | Model status | Issued | Calibrated *(midpoint of calibration dates)* | Completed | Time to complete Model (Months) | Age Of Model (Years) |
|---|---|---|---|---|---|---|
| Altnahinch Bushmills | Completed | 17/11/2021 | 19/04/2022 | 05/03/2024 | 27 | 1.00 |
| Lough Fea | Completed | 21/12/2021 | 15/08/2022 | 21/02/2024 | 26 | 1.00 |
| Ballinrees Coleraine | Completed | 24/11/2020 | 29/10/2021 | 12/02/2024 | 38 | 2.00 |
| Castor Bay | Completed | 26/11/2020 | 23/06/2021 | 25/10/2023 | 34 | 2.00 |
| Caugh Hill Dungiven | Completed | 24/11/2020 | 02/06/2021 | 18/10/2023 | 34 | 2.00 |
| Lough Bradan | Completed | 21/12/2021 | 31/05/2022 | 08/08/2023 | 19 | 1.00 |

Line 29 has been given a confidence grading of A1 based on their completion date during the reporting year. Evidence is documented within NI Waters Model Build Data Servers.

**Line 30 – Number of models maintained in year**

There has been no model maintenance undertaken on any of the hydraulic models held within NI Water's current model library.

It is envisaged that during Y24/25 a Maintenance Methodology will be produced to document set procedures in assessing the current health of NI Water's Hydraulic Model library allowing a targeted approach to model maintenance through potential full rebuilds, partial rebuild, detailed update, minor update or transitional maintenance.
NI Water are currently assessing maintenance policies from other UK Water Companies and exploring potential pilots using AI Technology to undertake maintenance of the older models in the library. Outcomes of this will help inform the Maintenance Methodology.

Line 30 has been given a confidence grading of A1 based on no model maintenance being undertaken during the reporting year.

**Line 31 – Number of models in library**

There are currently 34 InfoWorks WS Pro hydraulic all-mains models within NI Water's current model library. 18 have been rebuild in InfoWorks WS Pro and 16 have been converted from old Aquis Software into InfoWorks WS Pro. Rathlin Island which has been included in the table below although does not have an existing model.

| Model Name | Model status | Original Build Software |
|---|---|---|
| Ballinrees Limavady | Ongoing | Aquis (Now Converted into InfoWorks) |
| Ballywonard | Not started | Aquis (Now Converted into InfoWorks) |
| Carmoney Eglinton | Ongoing | Aquis (Now Converted into InfoWorks) |
| Carran Hill | Ongoing | Aquis (Now Converted into InfoWorks) |
| Carrickfergus | Not started | Aquis (Now Converted into InfoWorks) |
| Castor Bay Dungannon | Not started | Aquis (Now Converted into InfoWorks) |
| Clay Lake Keady | Ongoing | Aquis (Now Converted into InfoWorks) |
| Corrody Derry | Ongoing | Aquis (Now Converted into InfoWorks) |
| Drumaroad Ballynahinch | Ongoing | Aquis (Now Converted into InfoWorks) |
| Drumaroad Bangor | Not started | Aquis (Now Converted into InfoWorks) |
| Drumaroad Downpatrick | Ongoing | Aquis (Now Converted into InfoWorks) |

| Model Name | Model status | Original Build Software |
|---|---|---|
| Drumaroad Lisburn - Urban | Ongoing | Aquis (Now Converted into InfoWorks) |
| Drumaroad Portaferry_Ards West | Ongoing | Aquis (Now Converted into InfoWorks) |
| Dunore Point Antrim | Ongoing | Aquis (Now Converted into InfoWorks) |
| Foffany South | Ongoing | Aquis (Now Converted into InfoWorks) |
| Rathlin Island | Not started | No Model |
| Seagahan | Ongoing | Aquis (Now Converted into InfoWorks) |
| Altnahinch Bushmills | Completed | InfoWorks WS Pro |
| Lough Fea Moyola | Completed | InfoWorks WS Pro |
| Ballinrees Coleraine | Completed | InfoWorks WS Pro |
| Castor Bay | Completed | InfoWorks WS Pro |
| Caugh Hill Dungiven | Completed | InfoWorks WS Pro |
| Lough Bradan | Completed | InfoWorks WS Pro |
| Foffany North | Completed | InfoWorks WS Pro |
| Ballymena | Completed | InfoWorks WS Pro |
| Dungonnell | Completed | InfoWorks WS Pro |
| Drumaroad Lisburn (Rural) | Completed | InfoWorks WS Pro |
| Greater Belfast | Completed | InfoWorks WS Pro |
| Forked Bridge Stoneyford | Completed | InfoWorks WS Pro |
| Killyhevlin / Enniskillen | Completed | InfoWorks WS Pro |
| Lough Macrory Killyclogher Omagh (update) | Completed | InfoWorks WS Pro |
| Camlough Newry West | Completed | InfoWorks WS Pro |
| Derg Strabane | Completed | InfoWorks WS Pro |
| Killylane | Completed | InfoWorks WS Pro |
| Dunore East (update) | Completed | InfoWorks WS Pro |

The 5 hydraulic models not started (Castor Bay Dungannon, Ballywonard, Drumaroad Bangor, Rathlin Island and Carrickfergus) are all scheduled for a full re build Y24/25. This will bring the library stock up to 35 hydraulic models once complete.

Line 31 has been given a confidence grading of A1 based on count of models within the library. Evidence is documented within NI Waters Master Library on InfoWorks WS Pro.

**Line 32 – Model coverage using percentage of connected properties covered by a model**

Current model coverage is 63% based on the percentage of models fully built in InfoWorks WS Pro currently held within NI Water's Model Library. Models that are undergoing a rebuild make up 25% of the coverage while the models yet to be built in InfoWorks Pro cover the remaining 12% of connected properties. The connected properties are based on the LPS Dataset 'Pointer' which covers the entire country – NI Water have no documented evidence to suggest what Pointer data is physically connected to NI Water's potable infrastructure.

Line 32 has been given a confidence grading of B3 owing to the uncertainty regarding the LPS Dataset 'Pointer'. The Pointer Dataset is not owned by NI Water and has not been cleansed or aligned with any other data sets.

**Line 33 – Average age of models in the library, in years**

The average age of the models in the library which have been built in InfoWorks WS Pro based on the calibration date (from) and the 31st March of the reporting year (to) is 2.6years.

Line 33 has been given a confidence grading of A1 based on actual calibration dates within each individual model. Evidence is documented within each individual within NI Waters Master Library on InfoWorks WS Pro.

**Line 34 – Maximum age of models in the library, in years**

The maximum age of the models in the library which have been built in InfoWorks WS Pro based on the calibration date (from) and the 31st March of the reporting year (to) is 5years (Killylane and Killyhevlin/Enniskillen).

Line 34 has been given a confidence grading of A1 based on actual calibration dates within each individual model. Evidence is documented within each individual within NI Waters Master Library on InfoWorks WS Pro.

**Line 35 – Number of models in the library older than 5 years**

There are 2 hydraulic models within NI Water's Model library that are older than 5 years – Killylane and Killyhevlin/Enniskillen based on the calibration date (from) and the 31st March of the reporting year.

Line 35 has been given a confidence grading of A1 based on actual calibration dates within each individual model. Evidence is documented within each individual within NI Waters Master Library on InfoWorks WS Pro.

**Line 36 – Number of models in the library older than 7 years**

There are no models within NI Water's Model library that are older than 7 years.
Line 36 has been given a confidence grading of A1 based on actual calibration dates within each individual model. Evidence is documented within each individual within NI Waters Master Library on InfoWorks WS Pro.

**Lines 37-40 – Water Work Packages Issued for Construction**

**WIIM Workpackage Overview, passed to the Asset Delivery Team in 2023-2024 period**

| WP Name | Length (km) | Main Driver | Cost (£M) | Scheme Count |
|---|---|---|---|---|
| Derrylin Ballygawley Additionals WP | 18 | Rehab | 2.0 | 13 |
| Saintfield Ballynahinch Regen2 WP | 28 | Rehab | 2.8 | 38 |
| Bridge/Culvert Crossings | 1 | Rehab | 0.2 | 10 |
| Seahill Road Larne WP | 2.6 | Rehab | 0.35 | 11 |
| **TOTAL** | **49.6 km** | | **£5.35M** | **72 Nr** |

**Note:** In reference to the 3rd Column Above There were no DG2 (Low Pressure) or Leakage "only" Schemes Passed to the Asset Delivery Team in this reporting period.

The schemes passed to delivery were exclusively Watermains Rehabilitation (Rehab) Schemes.

- All Scheme layout outputs are held in a MapInfo table by WSP, prior to their formal release by the Strategic Asset Performance Team, to the AD Team.
- As the size of the Workpackage Polygon areas have already been agreed with the Delivery Team, the lengths and diameters of each scheme within each Workpackage Polygon that is reported here, was compiled through a MapInfo Query
- Each scheme is individually priced, as per NI Water Framework rates (forwarded to reporter on 3 June 2024) and compiled by WSP into a total Workpackage Cost Spreadsheet, resulting in the costs reported for each Workpackage above issued in this reporting period.

**Watermains Rehabilitation Workpackages**

**Total handover Summary for Year 3 of PC21**

Total length handed over to the Asset Delivery Team in AIR24 Reporting Period = **49.6km**
Estimated Cost of Schemes handed over to the Asset Delivery Team in PC21 = **£5.35M**
Total scheme count handed over to the Asset Delivery Team in PC21 = **72 nr**

**Confidence Grade: A3**

The costs alluded to above are necessarily "feasibility" type costs derived from the NI Water Unit Cost Matrix as the schemes are "desktop" high level designs. These costs will be refined following handover to the Delivery Team from the on-site enabling process. This enabling work will identify and further refine the detailed construction costs scheme by scheme. The confidence grading is therefore A3 as it does not reflect the final construction costs.

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 12 NON FINANCIAL MEASURES
WATER EXPLANATORY FACTORS - (NIW Only)

| | DESCRIPTION | UNITS | DP | 1 NR OF SOURCES | 2 PROP'N DIST INPUT | 3 BULK PROP'N OF D.I. | 4 REPORT YEAR | CG |
|---|---|---|---|---|---|---|---|---|
| | | | | UNITS / DP | UNITS / DP | UNITS / DP | | |
| A | SOURCE TYPES AND PUMPING | | | nr / 0 | Prop'n (0-1) / 3 | Prop'n (0-1) / 3 | | |
| 1 | Impounding reservoirs | | | 22 | 0.761 | 0.000 | | B2 |
| 2 | River abstractions | | | 9 | 0.237 | 0.000 | | B2 |
| 3 | Boreholes | | | 2 | 0.002 | 0.000 | | B2 |
| 4 | Source types and pumping; total | | | 33 | 1.000 | 0.000 | | B2 |
| 5 | Average pumping head - total | m.hd | 1 | | | | 103.9 | B4 |

| | | TOTAL PROP'N OF D.I. | TOTAL NR OF WORKS |
|---|---|---|---|
| | | UNITS / DP | UNITS / DP |
| B | TREATMENT TYPE | Prop'n (0-1) / 3 | nr / 0 |
| 6 | Proportion of distribution input - simple disinfection | 0.000 | 0 |
| 7 | Proportion of distribution input - W1 | 0.000 | 0 |
| 8 | Proportion of distribution input - W2 | 0.000 | 0 |
| 9 | Proportion of distribution input - W3 | 0.488 | 6 |
| 10 | Proportion of distribution input - W4 | 0.512 | 14 |
| 11 | Proportion of distribution input - total | 1.000 | |
| 12 | Total numbers of works | | 20 |

| | | | | BAND 1 <= 165mm | BAND 2 166 - 320mm | BAND 3 321 - 625mm | BAND 4 > 625mm |
|---|---|---|---|---|---|---|---|
| C | POTABLE MAINS | | | | | | |
| 13 | Potable mains (nominal bore) | km | 2 | 21,233.79 | 4,322.03 | 1,378.68 | 280.87 |

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 12 NON FINANCIAL MEASURES
WATER EXPLANATORY FACTORS (PPP Only)

| | DESCRIPTION | UNITS | DP | 1 NR OF SOURCES | 2 PROP'N DIST INPUT | 3 BULK PROP'N OF D.I. | 4 REPORT YEAR | CG |
|---|---|---|---|---|---|---|---|---|
| | | | | UNITS / DP | UNITS / DP | UNITS / DP | | |
| A | SOURCE TYPES AND PUMPING | | | nr / 0 | Prop'n (0-1) / 3 | Prop'n (0-1) / 3 | | |
| 1 | Impounding reservoirs | | | 2 | 0.053 | 0.000 | | B2 |
| 2 | River abstractions | | | 4 | 0.947 | 0.000 | | B2 |
| 3 | Boreholes | | | 0 | 0.000 | 0.000 | | A1 |
| 4 | Source types and pumping; total | | | 6 | 1.000 | 0.000 | | A1 |
| 5 | Average pumping head - total | m.hd | 1 | | | | 152.0 | B2 |

| | TREATMENT TYPE | TOTAL PROP'N OF D.I. UNITS / DP | TOTAL NR OF WORKS UNITS / DP |
|---|---|---|---|
| B | TREATMENT TYPE | Prop'n (0-1) / 3 | nr / 0 |
| 6 | Proportion of distribution input - simple disinfection | 0.000 | 0 |
| 7 | Proportion of distribution input - W1 | 0.000 | 0 |
| 8 | Proportion of distribution input - W2 | 0.000 | 0 |
| 9 | Proportion of distribution input - W3 | 0.000 | 0 |
| 10 | Proportion of distribution input - W4 | 1.000 | 4 |
| 11 | Proportion of distribution input - total | 1.000 | |
| 12 | Total numbers of works | | 4 |

| | | | | BAND 1 <= 165mm | BAND 2 166 - 320mm | BAND 3 321 - 625mm | BAND 4 > 625mm |
|---|---|---|---|---|---|---|---|
| C | POTABLE MAINS | | | | | | |
| 13 | Potable mains (nominal bore) | km | 2 | 0.00 | 0.00 | 16.42 | 0.00 |

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 12 NON FINANCIAL MEASURES
WATER EXPLANATORY FACTORS - (Total)

| | DESCRIPTION | UNITS | DP | 1 NR OF SOURCES | 2 PROP'N DIST INPUT | 3 BULK PROP'N OF D.I. | 4 REPORT YEAR | CG |
|---|---|---|---|---|---|---|---|---|
| | | | | UNITS / DP | UNITS / DP | UNITS / DP | | |
| A | SOURCE TYPES AND PUMPING | | | nr / 0 | Prop'n (0-1) / 3 | Prop'n (0-1) / 3 | | |
| 1 | Impounding reservoirs | | | 24 | 0.445 | 0.000 | | B2 |
| 2 | River abstractions | | | 13 | 0.554 | 0.000 | | B2 |
| 3 | Boreholes | | | 2 | 0.001 | 0.000 | | B2 |
| 4 | Source types and pumping; total | | | 39 | 1.000 | 0.000 | | B2 |
| 5 | Average pumping head - total | m.hd | 1 | | | | 128.2 | B4 |

| | B TREATMENT TYPE | TOTAL PROP'N OF D.I. UNITS / DP | TOTAL NR OF WORKS UNITS / DP |
|---|---|---|---|
| | | Prop'n (0-1) / 3 | nr / 0 |
| 6 | Proportion of distribution input - simple disinfection | 0.000 | 0 |
| 7 | Proportion of distribution input - W1 | 0.000 | 0 |
| 8 | Proportion of distribution input - W2 | 0.000 | 0 |
| 9 | Proportion of distribution input - W3 | 0.270 | 6 |
| 10 | Proportion of distribution input - W4 | 0.730 | 18 |
| 11 | Proportion of distribution input - total | 1.000 | |
| 12 | Total numbers of works | | 24 |

| | C POTABLE MAINS | UNITS | DP | BAND 1 <= 165mm | BAND 2 166 - 320mm | BAND 3 321 - 625mm | BAND 4 > 625mm |
|---|---|---|---|---|---|---|---|
| 13 | Potable mains (nominal bore) | km | 2 | 21,233.79 | 4,322.03 | 1,395.10 | 280.87 |

# Table 12 – Water Explanatory Factors

## Water sources & treatment types – NI Water only

### Changes to Sources since AIR23

There has been no changes to NI Water (Only) sources since AIR23. NI Water (Only) had the following 33 sources in service for part or all of AIR24, including in total: - boreholes (2nr), impounding reservoirs (22 nr), and rivers & loughs (9 nr).

### Changes to treatment types since AIR23

There has been a change in the treatment types since AIR23 with four WTWs previously designated as W3 now designated as W4. These include Moneymore BH which now has Arsenic Removal, Rathlin Island WTW which now has a MIEX type process and Glenhordial and Belleek WTW both of which now have a Purafloc process to assist in pesticide removal.

For AIR24 the treatment categories are - simple disinfection (SD) (0 nr); simple disinfection plus simple physical treatment (W1) (0 nr); single stage complex physical or chemical treatment (W2) (0 nr); more than one stage of complex treatment (W3) (6 nr – a decrease of 4 from previous); more than one stage of complex treatment, capturing processes with very high operating costs (W4) (14 nr – an increase of 4 from previous).

### Changes to proportional distribution input since AIR23

The Distribution Input (DI) has decreased slightly from last year. In 2022/23 the total average DI was 607.87 Ml/day, whereas in 23/24 this is 606.54 Ml/d based on the Pre Maximum Likelihood Estimation (MLE) figure.

The following table shows changes which have occurred with reference to source types and treatment types since AIR23.

| Location | AIR24 Source Type | AIR 24 DI (Ml/d) | Treatment Type | WTW In Service during AIR 23 | Sources In Service at 31st Mar 2023 | Sources In Service at 31st Mar 2024 |
|---|---|---|---|---|---|---|
| Moneymore Tamnadoey | Borehole | 0.36 | W4 | Yes | Yes | Yes |
| Rathlin | Borehole | 0.07 | W4 | Yes | Yes | Yes |
| Killylane | Imp. Reservoir | 11.41 | W3 | Yes | Yes | Yes |
| Dungonnell | Imp. Reservoir | 8.90 | W3 | Yes | Yes | Yes |
| Altnahinch | Imp. Reservoir | 8.75 | W3 | Yes | Yes | Yes |
| Lough Fea | Imp. Reservoir (listed as a Lough for AIR15 – classified as IR in June 2015) | 13.15 | W3 | Yes | Yes | Yes |
| Drumaroad | 2No Imp. Reservoirs (Ben Crom IR & Silent Valley IR) | 102.21 | W3 | Yes | Yes - 2No. sources | Yes - 2No. sources |

| Location | AIR24 Source Type | AIR 24 DI (Ml/d) | Treatment Type | WTW In Service during AIR 23 | Sources In Service at 31st Mar 2023 | Sources In Service at 31st Mar 2024 |
|---|---|---|---|---|---|---|
| Caugh Hill | Imp. Reservoir - Altnaheglish IR & River (Glenedra) | 19.09 | W3 | Yes | Yes – 2No. sources | Yes – 2No. sources |
| Glenhordial | Imp. Reservoir | 4.00 | W4 | Yes | Yes | Yes |
| Lough Bradan | 2 No - Lough Bradan Imp. Reservoir, and Lough Lee | 8.09 | W4 | Yes | Yes - 2No sources | Yes - 2No sources |
| Dorisland | 7No Imp. Reservoirs – (Dorisland IR, Lough Mourne IR, Copeland IR, Lower South Woodburn IR, Upper South Woodburn IR, Middle South Woodburn IR and North Woodburn IR) | 24.64 | W4 | Yes | Yes - 7No. sources | Yes - 7No. sources |
| Lough Macrory | 1No Imp. Reservoir & 1No Lough (Lough Fingrean IR & Lough Macrory-Lough | 10.92 | W4 | Yes | Yes - 2No. sources | Yes - 2No. sources |
| Clay Lake | Imp. Reservoir | 4.09 | W4 | Yes | Yes | Yes |
| Fofanny | 3No Imp. Reservoir (Lough Island Reavey, Fofanny, Spelga) | 36.70 | W4 | Yes | Yes – 3No. sources | Yes – 3No. sources |
| Seagahan | Imp. Reservoir | 10.59 | W4 | Yes | Yes | Yes |
| Killyhevlin | Lough | 27.40 | W4 | Yes | Yes | Yes |
| Carran Hill | Lough | 5.81 | W4 | Yes | Yes | Yes |
| Belleek | Lough | 1.47 | W4 | Yes | Yes | Yes |
| Carmoney | River | 19.06 | W4 | Yes | Yes | Yes |

| Location | AIR24 Source Type | AIR 24 DI (Ml/d) | Treatment Type | WTW In Service during AIR 23 | Sources In Service at 31st Mar 2023 | Sources In Service at 31st Mar 2024 |
|---|---|---|---|---|---|---|
| Derg | River | 18.52 | W4 | Yes | Yes– 2No sources (River Strule introduced April 2016, and River Derg) | Yes– 2No sources |
| | | | **Total** | **20** | **33** | **33** |

With ref to the UR's Guidance the following table identifies the proportion of water taken from Lough Neagh (which is classified as a 'River Abstraction' source) within Block A and B of Table 12:

| Table 12 Block | Proportion of water extracted from Lough Neagh - NIW Only | Proportion of water extracted from Lough Neagh – PPP Only | Proportion of water extracted from Lough Neagh - Total |
|---|---|---|---|
| **A** | 0% | 0.895 | 0.401 |
| **B – with reference to Treatment Type W4** | 0% | 0.946 | 0.732 |

**Line 5 - Average pumping head**

**Summary Table**

| | Average Pumping Head (m/hd) | |
|---|---|---|
| | **AIR 23** | **AIR24** |
| **NI Water Only** | 91.5 | 103.94 |
| **PPP Only** | 154.05 | 151.9 |
| **Total** | 120.28 | 128.24 |

**Total**

The NIW 'Total' AIR24 Average Pumping Head is 128.24m.hd with a confidence grade of B4, this is an increase of 7.96m.hd from AIR23 (120.28m.hd).

**Summary**

Since AIR23 NI Water has automated the APH calculation using Feature Manipulation Engine (FME) which has a live database. Telemetry is used where possible to extract delivery pressure, suction pressure and outlet flow which are loaded into the Diamond

Warehouse for the FME process to read. Using the Telemetry data on Diamond, FME calculates the average suction pressure, the maximum delivery pressure, and the average outlet flow throughout the year. As part of this process, our new methodology uses maximum delivery pressure instead of an average and zero figures are now excluded, which is different from AIR23.

Telemetry data accounted either fully or in part for 79% of pump set returns for AIR24. For pump sets with no telemetry data currently available, calibrated network models (Current Average Daily Demand Models) constructed by a framework of Consultants performing Detailed Zonal Studies (DZS) in various study areas across Northern Ireland continues to be the data source. Pump sets based solely on DZS data makes up 13% of the return.

For AIR24, NIW had 384 pump sets in service, of these 303 are based on flow and/or lift data from telemetry. 54 of the 384 have no / incomplete data and no return has been made for these pump sets.

The daily flow total for individual pump sets is 1840.37Ml/d. Of this 1831.16Ml/d is based on telemetry data. Thus 99.5% of flow is based on data relative to the reporting year. Similarly, the total lift for individual pump sets is 19,972.03m, of which 11,240.11m is based on telemetry data, equating to 56.28% of lift based on data relative to the reporting year.

The Average Pumping Head figure has increased by 7.96m.hd from AIR23. Distribution pump sets have contributed an increase of 13.4m.hd to the overall figure, Water Supply a decrease of 6.76m.hd and PPP an increase of 0.13m.hd. This overall increase is relatively significant and is primarily due to the changes in calculation by adopting maximum delivery pressure instead of an average and the exclusion of zero figures. The decrease in water supply is due to removing a small amount of interstage pumps. The PPP slight increase is mainly due to raw water source management.

**Distribution Input (DI)**

The Company DI by Supply Source (606.54Ml/d) has been provided by the Company's Leakage Data Management Unit, as has the PPP Only DI (271.4Ml/d) and the NIW Only DI (335.24Ml/d), obtained by adding the relevant Water Supply sources.

**Line 13 - Potable mains**

This figure has been extracted from the Corporate Asset Register. There has been no change to the structure of the data reported on this year from the previous years that would directly affect the total provided.

A small change has been made to the data structure of the NI Water Mains Table. This is the addition of a "strategic distribution" mains type. The methodology has been amended to reflect the addition of this category into the query.

The confidence grade of the data will remain the same as the previous year. There has been no deterioration in data quality since the of the previous AIR submission. Any new data will have adhered to the NIW Code of Practice for the submission of asset data ensuring that data quality levels have been maintained throughout the year.

**PPP only and NIW only 'Average Pumping Head' calculations**

The NIW only and PPP only 'Average Pumping Heads' are 103.9m.hd and 158.3m.hd respectively. The PPP only value is in relation to the Pumping Head within the works. PPP WTWs do not have specific Distribution Networks, and therefore the water is extracted,

treated and then exits the works into the NIW Distribution Network. Within the Distribution Network, PPP water then mixes with NIW water, therefore making it impossible for NIW and PPP flows to be truly separated for use in PPP only and NIW only average pumping head calculations. Hence the value of 158.3m.hd calculated for PPP only is more in relation to the Pumping Head within the works.

A confidence grade of 'B4' has been allocated to these values of 103.9m.hd and 158.3m.hd for the 'Average Pumping Head' for NIW only and PPP only respectively.

**PPP**

**Lines 1- 4 Column 1 only – Number of sources (PPP)**

The PPP Water sources have remained consistent over the reporting period for AIR24 as they were with AIR23. In accordance with AIR17, NI Water has included the River Bann intake as an additional source to Ballinrees WTW. The reasoning used is, that there exists the potential to source the WTW directly from the River Bann rather than purely directing this source from the Ballinrees Impounding Reservoir. NI Water has also included the Altikeeragh IR as a source for Ballinrees WTW as it supplied a proportion of the water for Ballinrees WTW during the period 2023-24 as it did in 2022-23.

**Lines 6-10 Column 1 only – Types of Treatment by Proportion (PPP)**

No changes to the PPP types of treatment over the reporting period.

**Lines 6-10 Column 2 only – Total number of Units referred to Type (PPP)**

No changes to the PPP types of treatment over the reporting period.

**Line 13 – Potable Mains (PPP)**

No changes to the length of Potable Mains operated by the PPP Contractor over the reporting period.

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 13 NON FINANCIAL MEASURES
SEWERAGE PROPERTIES & POPULATION (TOTAL)

| | DESCRIPTION | UNITS | DP | 1 REPORTING YEAR 2015-16 | CG | 2 REPORTING YEAR 2016-17 | CG | 3 REPORTING YEAR 2017-18 | CG | 4 REPORTING YEAR 2018-19 | CG | 5 REPORTING YEAR 2019-20 | CG | 6 REPORTING YEAR 2020-21 | CG | 7 REPORTING YEAR 2021-22 | CG | 8 REPORTING YEAR 2022-23 | CG | 9 REPORTING YEAR 2023-24 | CG | 10 REPORTING YEAR 2024-25 | CG | 11 REPORTING YEAR 2025-26 | CG | 12 REPORTING YEAR 2026-27 | CG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | PROPERTIES | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Households properties connected during the year | 000 | 3 | 4.076 | B2 | 5.442 | B2 | 6.385 | B2 | 6.240 | B2 | 5.170 | B2 | 5.148 | B2 | 4.575 | B2 | 5.646 | B2 | 4.825 | B2 | | | | | | |
| 2 | Non-households properties connected during the year | 000 | 3 | 0.198 | B2 | 0.112 | B2 | 0.178 | B2 | 0.347 | B2 | 0.266 | B2 | 0.333 | B2 | 0.312 | B2 | 0.143 | B2 | 0.130 | B2 | | | | | | |
| B | BILLING | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Households billed unmeasured sewage | 000 | 3 | 599.994 | A2 | 609.753 | A2 | 619.835 | A2 | 629.513 | A2 | 639.082 | A2 | 647.350 | A2 | 654.732 | A2 | 661.710 | A2 | 667.188 | A2 | | | | | | |
| 4 | Households billed measured sewage | 000 | 3 | 0.000 | A1 | 0.000 | A1 | 0.000 | A1 | 0.000 | A1 | 0.000 | A1 | 0.000 | A1 | 0.000 | A1 | 0.000 | A1 | 0.000 | A1 | | | | | | |
| 5 | Households billed sewage | 000 | 3 | 599.994 | A2 | 609.753 | A2 | 619.835 | A2 | 629.513 | A2 | 639.082 | A2 | 647.350 | A2 | 654.732 | A2 | 661.710 | A2 | 667.188 | A2 | | | | | | |
| 6 | Non-households billed unmeasured sewage | 000 | 3 | 7.513 | A2 | 7.314 | A2 | 7.354 | A2 | 7.362 | A2 | 7.480 | A2 | 7.458 | A2 | 7.775 | A2 | 8.167 | A2 | 8.054 | A2 | | | | | | |
| 7 | Non-households billed measured sewage | 000 | 3 | 23.809 | A2 | 24.343 | A2 | 24.820 | A2 | 25.296 | A2 | 25.705 | A2 | 26.107 | A2 | 26.438 | A2 | 26.624 | A2 | 27.122 | A2 | | | | | | |
| 8 | Non-households billed sewage | 000 | 3 | 31.322 | A2 | 31.657 | A2 | 32.174 | A2 | 32.658 | A2 | 33.185 | A2 | 33.565 | A2 | 34.213 | A2 | 34.791 | A2 | 35.176 | A2 | | | | | | |
| 9 | Void properties | 000 | 3 | 43.463 | A2 | 42.551 | A2 | 41.741 | A2 | 41.579 | A2 | 41.483 | A2 | 41.998 | A2 | 42.975 | A2 | 43.058 | A2 | 43.177 | A2 | | | | | | |
| C | POPULATION | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | Total connected population | 000 | 3 | 1,529.734 | B3 | 1,536.699 | B3 | 1,544.413 | B3 | 1,550.715 | B3 | 1,565.984 | B3 | 1,552.799 | B3 | 1,570.536 | B3 | 1,593.703 | B3 | 1,596.587 | B3 | | | | | | |

# Table 13 – Sewerage Properties and Population (Non-financial measures)

## Introduction

Table 13 focuses on the number of properties and population connected to the public sewerage supply system. It extends to 10 lines, set out in three blocks:

- Block A Properties (Lines 1 & 2). Reports properties connected during the year.
- Block B Billing (Lines 3-12). Includes a breakdown of all measured and unmeasured household and non-household properties billed by the company. The property numbers should be the average for the reporting year.
- Block C Population (Lines 13-17). This records the population within each of the measured and unmeasured household and non-household categories. The population numbers should be the average for the reporting year.

The information in this table is used in tariff and charging analysis and determination (sewerage unit cost).

## Data Sources, Data Validation and Data Quality Projects

NI Water's data on property counts and classifications is reported monthly from RapidXtra within the Rapid Property Summary (RPS). The data is extracted from the Diamond Warehouse via Microsoft SQL Server to produce the RPS report.

Our AIR24 methodology has remained consistent with previous years – using the automated Property Model tool to populate Table 13 figures (this was first introduced in AIR12 – the RPS as the input).

The RPS provides us with a snapshot at the end of each month in terms of net movement; however it alone does not support in the explanation of gross movements within the data. The plan is to further enhance the Power BI property models and incorporate these models across the business during 2024/25.

Customer/Property information is updated through:

- BAU ('business as usual') customer contacts, such as new connection requests, customer move in/move outs, or
- through Data Quality initiatives/Projects, and/or
- Metering work streams e.g. UNHH (Selectives), Optants, and Proactive Meter Exchange etc.

Under the Water & Sewerage Services (2006) Order, NI Water were required to install meters on all new household connections from April 2007. This practice has stopped as directed by a change in legislation, which took effect in July 2016. The legislation was amended by Regulations, which in effect relieved NI Water of the obligation to install meters at newly connected domestic properties. As domestic customers are not charged on a measured basis, the property is reported as unmeasured. Some domestic properties were initially reported as measured in AIR10 but this was rectified as per the erratum to AIR10. Depending on the basis for charging when domestic billing is introduced, these customers can be activated as measured household if required.

Based on standard industry figures, the volumes returned to sewer are assumed to be 95%, unless the customer challenges this assumption; whereupon they can apply for a non-return to sewer allowance which will be investigated and determined by NI Water.

For clarity, where reference is made in Table 13 to 'billed' household and 'billed' non-household, this is taken as the provision of water services to customers whether they are billed directly (non-domestic customers) or payment is made through subsidy by DFI (domestic customers).

As with Table 7 (Water) – as per Utility Regulator guidelines, farms were reclassified as billed non-households for AIR09 – this has remained for AIR24. Previously, in AIR08, farms had been classified and reported as 'billed' households; on the principle of their status and allocation of 'domestic allowance'.

The difference between the AIR23 and the AIR24 property figures can be explained as follows:

1. New Connections during the 2023/24 reporting year. The figures are based on data supplied by our Customer Connections Team and represent completed connections during the reporting year. The projections for New Connections remain in line with the agreed PC21 forecasts, however, if we notice an upturn or downturn, we will review and amend (during the compilation of the Principle Statement).
2. Added as a result of a customer contact. i.e. septic tank empty request, no water complaint, blocked sewer, updating of standing data e.g. removal of services etc. Within this category there are 2 scenarios:
    (a) The adding of properties NI Water allegedly did not know about
    (b) The adding of duplicates as the customer's address could not be found on Rapid. Rapid may hold the site number but when the customer contacts NI Water, they quote the verified postal address, which is different, therefore creating a duplicate. The street name may also have changed from the time of New Connection to that of customer contact (street names can change in the early stages of site development).
3. Removal/reclassification of properties as a result of data quality initiatives/projects
    a. Duplicate properties
    b. Reclassification of properties that were recorded in error
4. Change in occupancy status – movement from void/vacant to occupied and vice-versa.

As Data Owner for Property Standing Data, The Head of C&OD Services is responsible for the property standing data held by NI Water; this is monitored and managed through the Corporate Property Register (CPR) Project. The C&OD Business Services MI & Data Team chair this group.
The role of the CPR project is to agree a single consistent source of property data and to ensure that there is appropriate governance, controls and reporting for changes made to core data on the system. As Property Data Owners, we need to ensure the processes around creation, maintenance and demolition of properties are governed and appropriate control points and associated reporting are in place. Control is key for us; as such we have identified the systems, processes and people using property information across the business, alongside confirming data accuracy and endeavouring to reduce the opportunities for erroneous data entry and creation (such as the inability to recreate demolished properties or duplicate properties).

The issues under consideration were identified as of corporate relevance, therefore to ensure appropriate direction and governance the CPR was formalised. Key objectives include:

1. To agree a single consistent source of property data.

2. To ensure the source property data represents accurate, up-to-date information appropriate for use by the business.
    a. To understand and agree data primacy in respect of data updates from NI Water and external (Land & Property Services - LPS) sources
    b. To ensure the processes around creation (i.e. New Connections), maintenance and demolition of properties are governed and appropriate control points and associated reporting are in place. i.e. through data validation
    c. To co-ordinate property reconciliations between NI Water & external sources i.e. Data Sharing Agreements between NI Water & LPS, NI Water & Belfast City Council (BCC) etc and understand the reasons and validity of any differences
    d. To understand and ensure the adequacy of long term procedures for database maintenance, including the updating of data standards and associated CDE M&M Plans
3. To ensure the reporting requirements for the business are met relating to data held on Rapid, particularly, but not exclusively, in respect of tariffs, leakage, Annual Information Returns (AIR) & Principle Statement (PS) returns.
4. Challenge the data in the areas of
    a. Data categorisation & structure
    b. Data robustness – i.e. where is our data good and where is there opportunity for improvement? Identify projects that could aid improvement
    c. Data alignment – both internally and externally. Internally between systems such as Rapid, Ellipse, GIS, Diamond, Netbase, IMS etc. Externally through data reconciliations, such as LPS above.
5. To agree measures to improve the quality and integrity of the data, particularly the key CDEs as monitored by IMU
6. To agree the content and frequency of reports required by NI Water.
7. To agree the quality checking criteria for the above data and reporting and develop a Quality Plan including the determination of responsibilities and audit trails.
8. To produce & circulate an ‘operate and maintain’ programme for property data to the business.

The focus for the CPR project remains the same, including analysis and action on:

- Creation of an agreed single consistent source of property information, running alongside the CBC3 timelines
- Volume of properties coming onto the Rapid billing system on a monthly basis
    - new connections
    - customer contact
    - project work
- Volume of properties coming off the Rapid billing system (demolished)
    - sample check to ensure reason for demolition has been noted and on system audit trail recorded
- Volume of properties amended on the Rapid billing system
    - In particular, address fields -> building number, street name, town and postcode
    - sampling to identify if the data changes are data improvement or data regression
    - if data regression, further analysis into the process is undertaken
- Review of access privileges
    - Rapid audit
    - Through monthly audit samples
    - Internal CRs require sign off from CPR team as BAU
    - Working with Echo to review access privileges on an ongoing basis

- Interruptions to supply notices – returned mail
    - This returned mail has been previously brought to the attention of LPS and include properties that LPS have classified as live properties despite being returned as 'no such address' etc
    - The 2 way communication with LPS will help underpin our governance work and provide direction to the business on practices

**Summary**

As Table 13 is based on averages, please find summary table below for 'End March 2023' and 'End March 2024'. The '1st Dec 2023' actuals are used in the Principal Statement and Tariff Setting process.

| Property Numbers | March 2023 | 1st Dec 2023 | March 2024 | Expected Movement |
|---|---|---|---|---|
| Unmeasured Sewerage Household | 665093 | 663042 | 665311 | Increase |
| Unmeasured Sewerage Non-Household | 8112 | 8152 | 8112 | Decrease |
| Measured Sewerage Non-Household | 26774 | 26729 | 26774 | Increase |
| Voids | 42804 | 43128 | 43177 | Increase |
| **Total** | **742783** | **741051** | **742783** | **Increase** |

**Site Metered Properties**

As part of the ongoing data checks, NI Water has been confirming the number of site metered properties (multiple properties being charged through a single meter, such as business parks and industrial estates).

To ensure that these meters are not double counted, as with Table 7, the non-domestic site meters are not included in Table 13 non-domestic property counts (although NI Water still retain this information for customer record and charging purposes).

There are 3067 domestic properties (an increase of 22 during 23/24) classified as site meters. There will be further investigation and analysis to be completed during 2024/25 to ensure these are classified correctly.

Overall, the number of non-domestic site meters has increased by 248 during 2022/23. (15179-14931). This is as a result of categorisation movements in year such as measured water to site meter and unmeasured water to site meter.

**Unmeasured Not Charged Properties**

From the RPS, there are deemed to be 642 (gross) 'unmeasured – not charged' properties which (based on sample taken) are mostly NI Water properties. The C&OD Services MI & Data Team are currently investigating any 'unmeasured – not charged' properties outside of NI Water ownership to ensure they are classified correctly.

**Unmeasured Household Property Movement**

The table below provides a reconciliation of the reporting year property movements and resulting property numbers. It sets out how the properties have changed over the reporting year, due mainly to new connections, alongside some movement in the occupancy status. Note: these reported figures include domestic properties that are metered but as NI Water does not bill households for water, they are reported as unmeasured.

| Property Numbers | March 2022 | Dec 2022 | March 2023 |
|---|---|---|---|
| Unmeasured Sewerage Gross Household | 692080 | 696820 | 698841 |
| Unmeasured Sewerage Occupied Household (L3 year-end sub calc) | 658326 | 656024 | 658326 |
| Unmeasured Sewerage Voids Household | 33754 | 33778 | 33748 |

| Household Voids | Voids | Difference (in-year) |
|---|---|---|
| March 2023 | 33748 | (+) 6 |
| March 2022 | 33754 | (-) 73 |
| March 2021 | 33827 | |

**Measured Household Property Movement**

Due to the deferral of domestic charging, NI Water does not bill households for unmeasured or measured water, therefore we don't report figures for measured household property movements (they are included in the unmeasured line as they are not billed)

**Unmeasured Non-Household Property Movement**

| Property Numbers | March 2022 | 1st Dec 2022 | March 2023 |
|---|---|---|---|
| Unmeasured Sewerage Gross Non-Household | 14547 | 13566 | 13865 |
| Unmeasured Sewerage Occupied Non-Household (L6 year end sub calc) | 8221 | 8152 | 8112 |
| Unmeasured Sewerage Voids Non-Household | 6326 | 6153 | 5753 |

**Measured Non-Household Property Movement**

| Property Numbers | March 2022 | 1st Dec 2022 | March 2023 |
|---|---|---|---|
| Measured Sewerage Gross Non-Household | 29705 | 30665 | 30077 |
| Measured Sewerage Occupied Non-Household (L7 year end sub calc) | 26474 | 26729 | 26774 |
| Measured Sewerage Voids Non-Household | 3231 | 3197 | 3303 |

**Non-Household Voids**

| Non-Household Voids | Voids | Difference (in-year) |
|---|---|---|
| March 2023 | 9056 | (-) 501 |
| March 2022 | 9557 | (+) 746 |
| March 2021 | 8811 | |

**Confidence Grades**

We have kept the confidence grades consistent with those of AIR23. During the reviews mentioned in the company commentary above, we will retain evidence to support any change in confidence grades.

Whilst the quality of data will improve, the method of extraction and reporting remained consistent. The automated tool (developed during AIR12) to populate the base property tables has remained in place for AIR24.

Annex A details the Line Methodology followed to calculate the figures within Table 13 Lines 1-10.

## Annex A – Line Methodology for Table 13 Lines 1-10

### A) Sewerage Properties and Population

**Line 1: Household Properties Connected during the Year**

This line represents the number of new household (domestic) properties added to the sewerage network during the reporting year (Previously not connected to the sewerage system).

The figures are based on the New Connections reported by the Customer Connection Team (CCT). A series of filters was then applied to identify New Connections connected for sewerage, as per embedded document. It is NIW policy to install meters on all Non-Domestic New Connections.

AIR 24 NC_ Sewerage.xlsx

| | |
|---|---|
| **Households properties connected during the year** | **4825** |

The number of new domestic connections for the year is 4825.

**Line 2: Non-Household Properties Connected during the Year**

This line represents the number of new non-household (non-domestic) properties added to the sewerage network during the reporting year (Previously not connected to the sewerage system).

The figures are based on the New Connections reported by the Customer Connection Team (CCT). A series of filters was then applied to identify New Connections connected for sewerage, as per embedded document. It is NIW policy to install meters on all Non-Domestic New Connections.

| | |
|---|---|
| **Non-Households properties connected during the year** | **130** |

The number of new non-domestic connections for the year is 130.

### B) Billing

**Line 3: Households Billed Unmeasured Sewerage**

Due to the deferral of domestic charging, NI Water does not bill households for unmeasured sewerage.

This figure refers to the average number of households billed for unmeasured sewerage within the supply area. Void properties have been excluded, so occupied numbers only used.

This is calculated from the monthly Rapid Property Summary for AIR24 (dated 31st March 2024) as embedded below.

RPS March 24.xlsx

| Households Billed Unmeasured Sewerage | End March 2023 | End March 2024 |
|---|---|---|
| Household - Unmeasured | 632302 | 637231 |
| Household - Sewerage Only | 9 | 9 |
| Household - Measured – Not Charged (test meters) | 5 | 3 |
| Household - Measured | 30905 | 30217 |
| Household – Site Meters | 1860 | 1811 |
| Household - Unmeasured - Not Charged | 12 | 12 |
| Total | 665093 | 637231 |
| **Average (Apr23/Apr24)** | **667188** | |

The figure represents the number of unmeasured domestic properties that would have been billed had charging been introduced.

**Line 4: Households Billed Measured Sewerage**

Due to the deferral of domestic charging, NI Water does not bill households for measured water. Therefore any household properties that would have been included in line 4 are included in line 3.

| Households Billed Measured Sewerage | End March 2023 | End March 2024 |
|---|---|---|
| | 0 | 0 |
| **Average (Apr22/Apr23)** | **0** | |

**Line 5: Households Billed Sewerage**

Due to the deferral of domestic charging, NI Water does not bill households for sewerage.

This figure excludes void properties and is calculated as below:
(Table 13 line 2 plus line 4)

| Households Billed Sewerage | Average 23/24 |
|---|---|
| Households billed unmeasured sewerage | 667188 |
| Households billed measured sewerage | 0 |
| **Total** | **667188** |

This figure represents the number of domestic properties that would have been billed had charging been introduced.

**Line 6: Non-Households Billed Unmeasured Sewerage**

This is the average number of non-households billed for unmeasured sewerage within the supply area, calculated from the Rapid Property Summary.

Figures are based on an average of Rapid End March 2022 and End March 2023 non-domestic unmeasured properties.

| Non-Households Billed Unmeasured Sewerage | End March 2023 | End March 2024 |
|---|---|---|
| Non-Household - Unmeasured | 8098 | 7980 |
| Non-Household - Sewerage Only | 14 | 15 |
| Total | 8112 | 7995 |
| **Average (Apr22/Apr23)** | **8054** | |

**Line 7: Non-Households Billed Measured Sewerage**

This refers to the average number of non-households billed for measured sewerage within the supply area, calculated from the Rapid Property Summary.

Figures are based on an average of Rapid End March 2023 and End March 2024 non-domestic measured properties.

| Non-Households Billed Measured Sewerage | End March 2022 | End March 2023 |
|---|---|---|
| | 26774 | 27470 |
| **Average (Apr22/Apr23)** | **27122** | |

Site metered properties are a subset of the overall non-domestic billed measured sewerage customer base, therefore not included in the figure above to avoid duplication (as per AIR24 Table 7). e.g Where multiple businesses/properties are served through one site meter, only the landlord or business park management is considered as the customer.

**Line 8: Non-Households Billed Sewerage**

This is the total number of non-households billed for sewerage within NI Water's area, excluding void properties. It is a calculated figure of Table 13 Lines 6 and 7.

| Non-Households Billed Sewerage | Average 23/24 |
|---|---|
| Non-Households Billed Unmeasured Sewerage | 8054 |
| Non-Households Billed Measured Sewerage | 27122 |
| **Total** | **35176** |

**Line 9: Void Properties**

This is the average number of properties, within the supply area, which are connected to the sewerage system but do not receive a charge, as there are no occupants – (void properties)

This is calculated from the Rapid Property Summary for AIR24 by calculating the gross number of properties connected to the sewerage system minus the total number occupied as calculated in lines 5 and 8.

| Gross Number of Properties Connected to the Sewerage System | End March 2022 | End March 2023 |
|---|---|---|
| Household - Unmeasured | 660565 | 665311 |
| Household - Sewerage Only | 10 | 10 |
| Household – Measured - Not Charged (test meters) | 5 | 3 |
| Household - Measured | 35159 | 34460 |
| Household – Site Meters | 3089 | 3067 |

| | | |
|---|---|---|
| Household - Unmeasured - Not Charged | 13 | 13 |
| Non-Household – Unmeasured | 13847 | 13671 |
| Non-Household – Sewerage only | 18 | 19 |
| Non-Household - Measured | 30077 | 31743 |
| Total | 742783 | 748297 |
| **Average (Apr23/Apr4)** | **745540** | |

Trade Effluent customers have been excluded from the above figure as they could already be included in measured sewerage. Trade effluent is considered within other tables of the AIR23 submission.

| **Voids** | **End March 2024** |
|---|---|
| Total Gross Properties (as above) | 745540 |
| Less total occupied properties (line 5+line 8) = | 702364 |
| **Total** | **43177** |

**C) Population**

**Line 10: Total Connected Population**

This figure is a calculation of the total population multiplied by the properties connected to the sewerage system as a proportion of the properties connected for water (according to the Rapid Property Summary).

The average totals for gross occupied sewerage and water properties are obtained using the Rapid Property Summary for End March 2023 and End March 2024.

| | End March 2023 | End March 2024 | Average 23/24 | | |
|---|---|---|---|---|---|
| Gross number of properties connected for sewerage | 742783 | 748297 | 745540 | | |
| Gross number of properties connected for water (T7 L7 + T7 L11) | 910098 | 919190 | 914644 | | |
| **Calculation = Sewerage Properties / Water Properties** | = (745540 / 914644) * 100 | **81.51%** | **Therefore, Total Connected Population equals (Table 7 Line 17 [1,919.12] * 81.51%) + Table 17a Line 2 [32,943]** | | **1,596,587** |
| | | | 1,563,644+32,943 | | |

As detailed above, the number of sewerage properties has been calculated as 81.51% of those with water; this percentage is then applied to the total water population from Table 7 Block C.

(Water population total (Source Peter Nicholl) X 81.51%) + Non-Resident Population (Source Lisa Woodman) = Table 13 line 10

| |
|---|
| (1,919.12 X 81.51%) = 1,563,644 + 32,943 = 1,596,587 |

| | |
|---|---|
| **T13 L10** | **1596.587** |

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 14 NON FINANCIAL MEASURES
SEWAGE COLLECTED (TOTAL)

| | DESCRIPTION | UNITS | DP | 1 REPORTING YEAR 2015-16 | CG | 2 REPORTING YEAR 2016-17 | CG | 3 REPORTING YEAR 2017-18 | CG | 4 REPORTING YEAR 2018-19 | CG | 5 REPORTING YEAR 2019-20 | CG | 6 REPORTING YEAR 2020-21 | CG | 7 REPORTING YEAR 2021-22 | CG | 8 REPORTING YEAR 2022-23 | CG | 9 REPORTING YEAR 2023-24 | CG | 10 REPORTING YEAR 2024-25 | CG | 11 REPORTING YEAR 2025-26 | CG | 12 REPORTING YEAR 2026-27 | CG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | SEWAGE - VOLUMES | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Volume unmeasured household sewage | Ml/d | 2 | 238.81 | A2 | 244.60 | B2 | 244.35 | A2 | 255.21 | A2 | 257.16 | A2 | 277.51 | A2 | 278.59 | A2 | 264.35 | A2 | 266.78 | A2 | | | | | | |
| 2 | Volume unmeasured non-household sewage | Ml/d | 2 | 4.25 | A2 | 4.18 | B2 | 4.16 | A2 | 4.46 | A2 | 4.50 | A2 | 3.67 | A2 | 4.17 | A2 | 4.67 | A2 | 4.54 | A2 | | | | | | |
| 3 | Volume unmeasured sewage | Ml/d | 2 | 243.06 | A2 | 248.78 | B2 | 248.51 | A2 | 259.67 | A2 | 261.66 | A2 | 281.18 | A2 | 282.76 | A2 | 269.02 | A2 | 271.32 | A2 | | | | | | |
| 4 | Volume measured household domestic sewage | Ml/d | 2 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A2 | 0.00 | A1 | | | | | | |
| 5 | Volume measured non - household domestic sewage | Ml/d | 2 | 38.72 | B3 | 41.50 | A2 | 39.21 | A2 | 40.16 | A2 | 40.88 | A2 | 33.98 | A2 | 36.28 | A2 | 41.44 | A2 | 40.98 | A2 | | | | | | |
| 6 | Volume trade effluent (excluding Roads Drainage) | Ml/d | 2 | 49.96 | B2 | 49.00 | B2 | 52.19 | B2 | 48.28 | B2 | 52.15 | B2 | 52.49 | B2 | 53.48 | B2 | 51.12 | B2 | 48.29 | B2 | | | | | | |
| 7 | Volume waste water returned | Ml/d | 2 | 243.06 | B3 | 248.77 | B3 | 339.91 | B2 | 348.11 | B2 | 354.69 | B2 | 367.65 | B2 | 372.52 | B2 | 361.58 | B2 | 360.59 | A2 | | | | | | |
| 8 | Volume of Roads Drainage returned | Ml/d | 2 | 175.80 | CX | 175.80 | CX | 175.80 | CX | 175.80 | CX | 175.80 | CX | 175.80 | CX | 175.80 | CX | 175.80 | CX | 175.80 | CX | | | | | | |

## Table 14 – Non-Financial Measures - Sewage Collected (Total)

### Line 1 – Volume Unmeasured Household Sewage

This is calculated by assuming a 95% return to sewer of volume delivered to households factored by the percentage of the number of households billed for water against the number of households billed for sewerage services.

**Sources**

- AIR Table 10 Line 4 – Billed unmeasured household (Ml/d)
- AIR Table 13 Line 3 – Households billed unmeasured sewage
- AIR Table 7 Line 3 – Households billed unmeasured water

$$\text{Volume of unmeasured household sewage (Ml/d)} = \text{AIR Table 10 Line 4} \times 0.95 \times \frac{\text{AIR Table 13 Line 3}}{\text{AIR Table 7 Line 3}}$$

It is worth noting that water Billed unmeasured household volume includes the MLE adjustment, meter under registration and supply pipe leakage.

The Billed Unmeasured Household volumes have been calculated by multiplying the average PCC figure for NI Water by the unmeasured household population. The source of the PCC figure is the NI Water domestic consumption monitor. The household population figure is sourced from the Northern Ireland Statistics and Research Agency (NISRA).

Underground Supply Pipe leakage has been applied to the billed unmeasured household volume component of this calculation.

A meter under registration factor of 6.44% has been applied to this total volume. This percentage has been provided by WRc, as a result of a project initiated by NI Water and is specific to NI Water's domestic consumption monitor meters.

The AIR24 volume reported for unmeasured household sewage is 266.78 Ml/d. The volume reported in AIR23 was 264.35 Ml/d.

### Line 2 - Volume Unmeasured Non-Household Sewage

This is calculated by assuming a 95% return to sewer of volume delivered to non-households factored by the percentage of the number of non-households billed for water against the number of non-households billed for sewerage services.

**Sources**

- AIR Table 10 Line 5 – Billed unmeasured non-household (Ml/d)
- AIR Table 13 Line 6 – Non-households billed unmeasured sewage
- AIR Table 7 Line 8 – Non-households billed unmeasured water

$$\text{Volume of unmeasured Non-household sewage (Ml/d)} = \text{AIR Table 10 Line 5} \times 0.95 \times \frac{\text{AIR Table 13 Line 6}}{\text{AIR Table 7 Line 8}}$$

It is worth noting that water Billed unmeasured non-household volume includes the MLE adjustment, meter under registration and supply pipe leakage.

The reported value for Billed Unmeasured Non-Household for AIR23(4) is 5.73(57) Ml/d. The value reported in AIR23 was 5.73 Ml/d.

The AIR24 volume reported for unmeasured non-household sewage is 4.54 Ml/d. The volume reported in AIR23 was 4.67 Ml/d.

**Line 5 - Volume Measured Non-Household Domestic Sewerage**

The information was extracted from the revised monthly 'Actuals' Report, which incorporates both:

- Actual billed sewerage discharge $M^3$ as per bills.
- Actual domestic sewerage allowance M3 applied per bills.

The calculated sewerage discharge volume was 14,956,646 $M^3$ converted to mega litres per day of 40.98 Ml/d.

Sewerage volume is 1% (169,846 $M^3$ | 0.47Ml/d) lower than last year.

The decrease in sewerage volume is primarily attributable to:

- Estimated reads applied to a meter during 2022/23 were removed during the year.
- Leak allowances applied to customer accounts during the year.

Industry Classifications with a material year on year decrease are detailed below:

- 0.3 million $M^3$ / 4% decrease - Other Services (Public Sector – Local Councils /Education Library Boards etc)
- 0.1 Million $M^3$ / 32% decrease - Metal Goods & Engineering

This line has been allocated a confidence grade of A2 as it has an element of manual manipulation of raw data from Rapid report to derive the full year discharge $M^3$.

**Line 6 - Volume Trade Effluent**

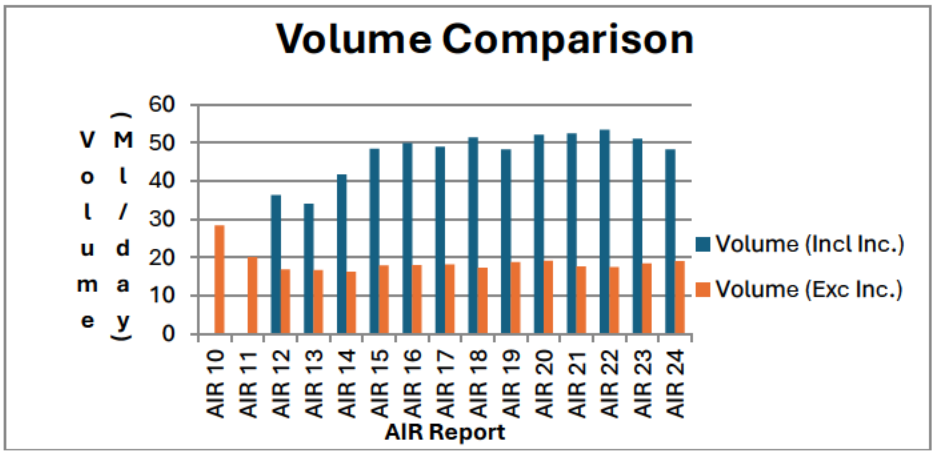
**Sources**

The names of individual traders were taken from Primary Source of Trade Effluent Customers (PSTEC). This database is updated by NIW on a regular basis. The chargeable volume of each trader was obtained from a Diamond Report that exports the TE Chargeable volumes from the Rapid Billing System Where no volumes were available, the consented volumes were used. This applied to 74 traders out of the 686 assessed. The total number of traders has increased from 684 in AIR23 to 686 in AIR24.

The total volumes for AIR 22 and 23 are detailed below:

AIR 23 Volume = 51.12 Ml/day
AIR 24 Volume = 48.29 Ml/day

In order to analyse these figures it has been decided to break them down into volumes including [redacted] and volumes without, to better identify the current trends in data.




There has been a 3.40 Ml/day decrease of effluent discharged from [redacted] during this period (32.66 Ml/day to 29.26 Ml/day). Comparing the total AIR 24 volume to the AIR 23 volume there has been an overall decrease of 2.83 Ml/day. With the volumes for [redacted] excluded there has been an increase of 0.57 Ml/day.

Summary of Volumes changes between AIR22 and AIR23 excluding the [redacted] are detailed below:

[redacted]

There has been a minor volume increase in the reporting period for NIW (0.37 Ml/Day) and PPP (0.20 Ml/Day) but when factored with the decrease in volume at Duncrue Incinerator (reduction of 3.40 Ml/Day), this results in a net reduction of 2.83 Ml/Day in total volume. A meter fault with measuring apparatus at Duncrue Incinerator during the reporting period has resulted in some volumetric data being estimated, which will have contributed to loss of accuracy.

**Line 7 – Volume of Waste Water Returned**

This line is a calculation of the figures from lines 3, 4, 5 and 6. The components of this calculation received confidence grades of A2, A1, A2 and B2 respectively. As B2 was the lowest confidence grade for a component, this line has been allocated a confidence grade of B2.

**Line 8 – Volume of Road Drainage returned**

In line with the proposed methodology, we carried out the following steps:

1. Based on information provided by Road Service, determined the surface area of all roads and footpaths in urban areas (i.e. within the 40mph speed limit) as follows:
    - Urban road surface area 39,264,486 m².
    - Urban footway surface area 17,022,987 m².
    - Total urban road & footway surface area 56,287,473 m².
2. Obtained Northern Ireland average annual rainfall data from the Met Office over the last 10 years – 1.14m.
3. Using the above, calculated the annual volume of rain falling on these surfaces and hence the run-off from roads & footpaths discharged to NIW sewers and storm drains.

- 56,287,473 x 1.14 = 64,167,719m3 (175.80 MLD)

4. From data extracted from NIW's network information management system (NIMS) for the largest 105 urban areas in Northern Ireland (i.e. all areas with greater than 1,000 population) we determined the following:
    - Aggregate length of combined sewers = 4,378km
    - Aggregate length of stormwater sewers = 4,317 km

    Both of these figures were adjusted to allow for those stormwater sewers which –rather than discharging to a watercourse – are connected into the combined system.
    Applying the assumption that the sewer lengths represent a 'proxy' estimate of road lengths, this yields an approximate **50:50** split between areas draining to combined systems and those draining to separate systems.
5. Using points 3 and 4 the volumes of Road Drainage returned are calculated as follows:
    - Volume returned to combined sewer = 87.9 MLD
    - Volume returned to storm sewer = 87.9 MLD
    - Total Volume returned to sewer = 175.80 MLD

**NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN**

**ANNUAL INFORMATION RETURN - TABLE 15 NON FINANCIAL MEASURE**
**SEWAGE TREATMENT (NIW Only)**

| | DESCRIPTION | UNITS | DP | 1 REPORTING YEAR 2015-16 | CG | 2 REPORTING YEAR 2016-17 | CG | 3 REPORTING YEAR 2017-18 | CG | 4 REPORTING YEAR 2018-19 | CG | 5 REPORTING YEAR 2019-20 | CG | 6 REPORTING YEAR 2020-21 | CG | 7 REPORTING YEAR 2021-22 | CG | 8 REPORTING YEAR 2022-23 | CG | 9 REPORTING YEAR 2023-24 | CG | 10 REPORTING YEAR 2024-25 | CG | 11 REPORTING YEAR 2025-26 | CG | 12 REPORTING YEAR 2026-27 | CG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A** | **SEWAGE - LOADS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Trade effluent load receiving secondary treatment (BOD/year) | tonnes | 1 | 5,005.0 | B2 | 4,378.9 | B2 | 4,595.0 | B2 | 5,036.5 | B2 | 4,642.8 | B2 | 4,503.3 | B2 | 3,948.6 | B2 | 4,079.4 | B2 | 5,883.4 | B2 | | | | | | |
| 2 | Total load receiving secondary treatment (BOD/year) | tonnes | 1 | 38,977.2 | C3 | 38,552.9 | C3 | 39,123.7 | C3 | 42,246.8 | C3 | 41,918.0 | C3 | 44,035.5 | C3 | 43,353.9 | C3 | 45,832.2 | C3 | 46,924.1 | C3 | | | | | | |
| 3 | Total load receiving primary treatment only (BOD/year) | tonnes | 1 | 211.2 | C3 | 211.0 | C3 | 212.2 | C3 | 212.2 | C3 | 212.5 | C3 | 212.9 | C3 | 212.9 | C3 | 210.4 | C3 | 210.3 | C3 | | | | | | |
| 4 | Total load receiving preliminary treatment only (BOD/year) | tonnes | 1 | 669.9 | C3 | 670.0 | C3 | 389.7 | C3 | 389.7 | C3 | 389.7 | C3 | 451.0 | C3 | 451.0 | C3 | 452.1 | C3 | 452.1 | C3 | | | | | | |
| 5 | Total load entering sewerage system (BOD/year) | tonnes | 1 | 39,991.8 | C3 | 39,561.2 | C3 | 39,850.2 | C3 | 42,980.4 | C3 | 42,640.2 | C3 | 44,817.3 | C3 | 44,140.2 | C3 | 46,589.2 | C3 | 47,686.3 | C3 | | | | | | |
| 6 | Equivalent population served (resident) | 000 | 2 | 1,792.79 | C3 | 1,773.11 | C3 | 1,785.84 | C3 | 1,928.28 | C3 | 1,912.75 | C3 | 1,999.45 | C3 | 1,968.63 | C3 | 2,073.24 | C3 | 2,123.34 | C3 | | | | | | |
| 7 | Equivalent population served (resident) (numerical consents) | 000 | 2 | 1,731.65 | C3 | 1,712.28 | C3 | 1,724.77 | C3 | 1,866.95 | C3 | 1,850.57 | C3 | 1,933.78 | C3 | 1,904.35 | C3 | 2,007.75 | C3 | 2,057.62 | C3 | | | | | | |
| **B** | **SEWERAGE - SERVICE FACILITIES** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Number of sewage treatment works | nr | 0 | 1,015 | A2 | 1,015 | A2 | 1,015 | A2 | 1,015 | A2 | 1,016 | A2 | 1,015 | A2 | 1,016 | A2 | 1,015 | A2 | 1,015 | A2 | | | | | | |
| 9 | Treatment capacity available (BOD5/day) | tonnes | 1 | 134.1 | D3 | 134.2 | D3 | 135.0 | D3 | 135.6 | D3 | 135.6 | D3 | 136.0 | D3 | 135.8 | D3 | 136.2 | D3 | 136.2 | D3 | | | | | | |
| **C** | **SEWAGE - SLUDGE DISPOSAL** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | Percentage unsatisfactory sludge disposal | % | 2 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | | | | | | |
| 15 | Total sewage sludge produced | ttds | 1 | 33.7 | B2 | 37.2 | B2 | 35.7 | B2 | 35.4 | B2 | 36.2 | B2 | 35.6 | B2 | 31.4 | B2 | 30.7 | B2 | 30.3 | B2 | | | | | | |
| 16 | Total sewage sludge transferred to PPP | ttds | 1 | 32.9 | A2 | 36.4 | A2 | 34.9 | A2 | 34.7 | A2 | 35.4 | A2 | 34.8 | A2 | 30.6 | A2 | 29.9 | A2 | 29.5 | A2 | | | | | | |
| 17 | Total sewage sludge disposal by NI Water | ttds | 1 | 0.8 | B2 | 0.8 | B2 | 0.8 | B2 | 0.7 | B2 | 0.8 | B2 | 0.8 | B2 | 0.8 | B2 | 0.8 | B2 | 0.8 | B2 | | | | | | |

**NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN**

**ANNUAL INFORMATION RETURN - TABLE 15 NON FINANCIAL MEASURE**
**SEWAGE TREATMENT (PPP Only)**

| | DESCRIPTION | UNITS | DP | 1 REPORTING YEAR 2015-16 | CG | 2 REPORTING YEAR 2016-17 | CG | 3 REPORTING YEAR 2017-18 | CG | 4 REPORTING YEAR 2018-19 | CG | 5 REPORTING YEAR 2019-20 | CG | 6 REPORTING YEAR 2020-21 | CG | 7 REPORTING YEAR 2021-22 | CG | 8 REPORTING YEAR 2022-23 | CG | 9 REPORTING YEAR 2023-24 | CG | 10 REPORTING YEAR 2024-25 | CG | 11 REPORTING YEAR 2025-26 | CG | 12 REPORTING YEAR 2026-27 | CG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A** | **SEWAGE - LOADS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Trade effluent load receiving secondary treatment (BOD/year) | tonnes | 1 | 1,094.1 | B2 | 1,232.3 | B2 | 1,418.4 | B2 | 1,710.4 | B2 | 1,678.7 | B2 | 1,345.8 | B2 | 1,301.2 | B2 | 1,525.6 | B2 | 1,822.4 | B2 | | | | | | |
| 2 | Total load receiving secondary treatment (BOD/year) | tonnes | 1 | 7,153.2 | B3 | 7,360.2 | B3 | 6,909.8 | B3 | 7,386.2 | B3 | 7,751.3 | B3 | 7,366.3 | B3 | 9,596.0 | C5 | 7,466.5 | B3 | 7,906.1 | B3 | | | | | | |
| 3 | Total load receiving primary treatment only (BOD/year) | tonnes | 1 | 0.0 | A1 | 0.0 | A1 | 0.0 | A1 | 0.0 | A1 | 0.0 | A1 | 0.0 | A1 | 0.0 | A1 | 0.0 | A1 | 0.0 | A1 | | | | | | |
| 4 | Total load receiving preliminary treatment only (BOD/year) | tonnes | 1 | 0.0 | A1 | 0.0 | A1 | 0.0 | A1 | 0.0 | A1 | 0.0 | A1 | 0.0 | A1 | 0.0 | A1 | 0.0 | A1 | 0.0 | A1 | | | | | | |
| 5 | Total load entering sewerage system (BOD/year) | tonnes | 1 | 7,153.2 | B2 | 7,133.2 | B2 | 6,909.8 | B2 | 7,386.2 | C3 | 7,751.3 | B3 | 7,366.2 | B3 | 9,596.0 | B3 | 7,466.5 | B3 | 7,906.1 | C3 | | | | | | |
| 6 | Equivalent population served (resident) | 000 | 2 | 326.41 | B3 | 325.72 | B3 | 315.51 | B3 | 337.27 | B3 | 353.71 | B3 | 336.36 | B3 | 438.18 | C5 | 340.94 | B3 | 360.76 | B3 | | | | | | |
| 7 | Equivalent population served (resident) (numerical consents) | 000 | 2 | 326.41 | B3 | 325.72 | B3 | 315.51 | B3 | 337.27 | B3 | 353.71 | B3 | 336.36 | B3 | 438.18 | C5 | 340.94 | B3 | 360.76 | B3 | | | | | | |
| **B** | **SEWERAGE - SERVICE FACILITIES** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Number of sewage treatment works | nr | 0 | 6 | A1 | 6 | A1 | 6 | A1 | 6 | A1 | 6 | A1 | 6 | A1 | 6 | A1 | 6 | A1 | 6 | A1 | | | | | | |
| 9 | Treatment capacity available (BOD5/day) | tonnes | 1 | 30.4 | A2 | 30.4 | A2 | 30.4 | A2 | 30.4 | A2 | 30.4 | A2 | 30.4 | A2 | 30.4 | A2 | 30.4 | A2 | 30.4 | A2 | | | | | | |
| **C** | **SEWAGE - SLUDGE DISPOSAL** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | Percentage unsatisfactory sludge disposal | % | 2 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | | | | | | |
| 15 | Total sewage sludge produced | ttds | 1 | 5.7 | B3 | 5.9 | B3 | 6.0 | B3 | 6.6 | B3 | 6.1 | B3 | 5.9 | B3 | 6.2 | B3 | 6.1 | B3 | 5.9 | B3 | | | | | | |
| 16 | Total sewage sludge received from NI Water | ttds | 1 | 32.9 | A2 | 36.4 | A2 | 34.9 | A2 | 35.5 | A2 | 35.4 | A2 | 35.3 | A2 | 30.9 | A2 | 30.4 | A2 | 30.3 | A2 | | | | | | |
| 17 | Total sewage sludge disposal | ttds | 1 | 38.6 | B2 | 42.3 | B2 | 40.9 | B2 | 41.3 | B2 | 41.5 | B2 | 41.2 | B2 | 37.1 | B2 | 36.7 | B2 | 36.2 | B2 | | | | | | |

**NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN**

**ANNUAL INFORMATION RETURN - TABLE 15 NON FINANCIAL MEASURE**
**SEWAGE TREATMENT (Total)**

| | DESCRIPTION | UNITS | DP | 1 REPORTING YEAR 2015-16 | CG | 2 REPORTING YEAR 2016-17 | CG | 3 REPORTING YEAR 2017-18 | CG | 4 REPORTING YEAR 2018-19 | CG | 5 REPORTING YEAR 2019-20 | CG | 6 REPORTING YEAR 2020-21 | CG | 7 REPORTING YEAR 2021-22 | CG | 8 REPORTING YEAR 2022-23 | CG | 9 REPORTING YEAR 2023-24 | CG | 10 REPORTING YEAR 2024-25 | CG | 11 REPORTING YEAR 2025-26 | CG | 12 REPORTING YEAR 2026-27 | CG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A** | **SEWAGE - LOADS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Trade effluent load receiving secondary treatment (BOD/year) | tonnes | 1 | 6,099.1 | B2 | 5,611.2 | B2 | 6,013.4 | B2 | 6,746.9 | B2 | 6,321.5 | B2 | 5,849.1 | B2 | 5,249.8 | B2 | 5,605.0 | B2 | 7,705.8 | B2 | | | | | | |
| 2 | Total load receiving secondary treatment (BOD/year) | tonnes | 1 | 46,130.4 | C3 | 45,913.1 | C3 | 46,033.5 | C3 | 49,633.0 | C3 | 49,669.3 | B3 | 51,401.8 | C3 | 52,949.9 | C3 | 53,298.7 | C3 | 54,830.2 | C3 | | | | | | |
| 3 | Total load receiving primary treatment only (BOD/year) | tonnes | 1 | 211.2 | C3 | 211.0 | C3 | 212.2 | C3 | 212.2 | C3 | 212.5 | C3 | 212.9 | C3 | 212.9 | C3 | 210.4 | C3 | 210.3 | C3 | | | | | | |
| 4 | Total load receiving preliminary treatment only (BOD/year) | tonnes | 1 | 669.9 | C3 | 670.0 | C3 | 389.7 | C3 | 389.7 | C3 | 389.7 | C3 | 451.0 | C3 | 451.0 | C3 | 452.1 | C3 | 452.1 | C3 | | | | | | |
| 5 | Total load entering sewerage system (BOD/year) | tonnes | 1 | 47,145.0 | C3 | 46,694.4 | C3 | 46,759.9 | C3 | 50,366.6 | C3 | 50,391.5 | C3 | 52,183.5 | C3 | 53,736.2 | C3 | 54,055.7 | C3 | 55,592.4 | C3 | | | | | | |
| 6 | Equivalent population served (resident) | 000 | 2 | 2,119.20 | C3 | 2,098.83 | C3 | 2,101.35 | C3 | 2,265.55 | C3 | 2,266.46 | C3 | 2,335.81 | C3 | 2,406.81 | C3 | 2,414.18 | C3 | 2,484.10 | C3 | | | | | | |
| 7 | Equivalent population served (resident) (numerical consents) | 000 | 2 | 2,058.06 | C3 | 2,038.00 | C3 | 2,040.28 | C3 | 2,204.22 | C3 | 2,204.28 | C3 | 2,270.14 | C3 | 2,342.53 | C3 | 2,348.69 | C3 | 2,418.38 | C3 | | | | | | |
| **B** | **SEWERAGE - SERVICE FACILITIES** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Number of sewage treatment works | nr | 0 | 1,021 | A2 | 1,021 | A2 | 1,021 | A2 | 1,021 | A2 | 1,022 | A2 | 1,021 | A2 | 1,022 | A2 | 1,021 | A2 | 1,021 | A2 | | | | | | |
| 9 | Treatment capacity available (BOD5/day) | tonnes | 1 | 164.5 | D3 | 164.6 | D3 | 165.4 | D3 | 166.0 | D3 | 166.0 | D3 | 166.4 | D3 | 166.2 | D3 | 166.6 | D3 | 166.6 | D3 | | | | | | |
| **C** | **SEWAGE - SLUDGE DISPOSAL** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | Percentage unsatisfactory sludge disposal | % | 2 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | | | | | | |
| 15 | Total sewage sludge produced | ttds | 1 | 39.4 | B2 | 43.1 | B2 | 36.2 | B3 | 6.6 | B3 | 42.3 | B2 | 41.5 | B2 | 37.6 | B3 | 36.8 | B3 | 36.2 | B3 | | | | | | |
| 16 | Not used | ttds | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | Total sewage sludge disposal | ttds | 1 | 39.4 | B2 | 43.1 | B2 | 37.0 | B2 | 41.3 | B2 | 42.3 | B2 | 42.0 | B2 | 37.9 | B2 | 37.5 | B2 | 37.0 | B2 | | | | | | |

## Table 15 - Sewage Treatment

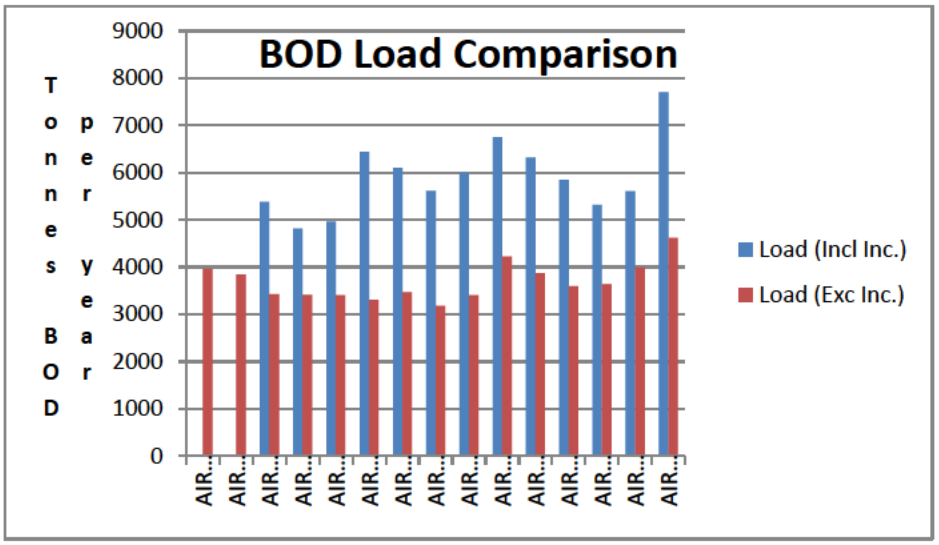
### Line 1 - Trade effluent load receiving secondary treatment (BOD/year)

The names of individual traders were taken from the Primary Source of Trade Effluent Customers (PSTEC). This database is updated by NIW on a regular basis. The actual BOD strength of each sampled trader was used for the calculation of the load. Where an actual BOD strength was not available i.e. for sites that are not sampled, the discharge was assumed to be either standard strength, fixed industry strength or bespoke strength, a calculated BOD strength using the conversion factor detailed in the methodology document was used.

The loading for this year's and the previous year's reports were as follows:

- AIR23 = 5605.0 tonnes BOD/year
- AIR24 = 7705.8 tonnes BOD/year

In order to analyse these figures, they have been separated to show loading including [redacted] and loading excluding [redacted]




The loading from [redacted] has increased by 1473.46 tonnes BOD/year from 1614.40 tonnes BOD/year (AIR23) to 3087.86 tonnes BOD/year (AIR24). Overall the loading for AIR24 increased by 2100.00 tonnes BOD/year. With the increase from the incinerator removed from this figure, the difference between the two reports is an increase of 627.33 tonnes BOD/year.

As detailed in the methodology, the Fixed Strength COD's were then converted to a BOD strength. These calculated BOD strengths will be kept the same for future AIR reports unless there is a significant variation from the rolling 5 year average of the Mogden sample results. This will allow for easier comparison in BOD loading year on year. The strengths in the report are detailed below:

| Industry Type | Settled COD (mg/l) | BOD (mg/l) |
|---|---|---|
| Vehicle Wash (Jet) | 517 | 386 |
| Vehicle Wash (Roller) | 108 | 81 |
| Vehicle Wash (Combined) | 313 | 234 |
| Industrial Laundry | 722 | 539 |
| Swimming Pool Filter Backwash | 36 | 27 |

| Industry Type | Settled COD (mg/l) | BOD (mg/l) |
|---|---|---|
| Small Brewery | 2648 | 1976 |
| Cattlemarts | 1404 | 1048 |
| Wheelie Bin Cleaners | 406 | 303 |
| Launderettes | 478 | 357 |
| Standard Strength | 260 | 194 |

Summary of BOD loading changes between AIR23 and AIR24 are detailed below:

There has been a net increase in BOD loading from PPP traders of 296.77 tonnes BOD/year, the most significant change being an increase of 305.25 tonnes BOD/year from South PPP Sampled and Charged traders.

There has been a net increase of 330.56 tonnes BOD/year (excluding the incinerator) for NIW traders, the most significant of which being North West Sampled and Charged traders (increase of 129.77 tonnes BOD/year) and South Sampled and Charged traders (increase of 233.61 tonnes BOD/year)

The net of these changes equates to 627.33 tonnes BOD/year increase in AIR loadings with the incinerator figures excluded.

**Line 2 - 7 – Sewage loads**

**NIW Only**

It should be noted that the banding of the WWTWs for this table is on the same basis as that used for Table 17c. It is based on the latest set of Populations Equivalents minus the allowance for the tourist population. Since AIR23, PEs for 102 WWTWs have been updated.

The allowance for the tourist population, which has been deducted for the purposes of band size determination, has been the proportion of PE allocated to hotels, and caravan and tent pitches only. No deduction has been made for commuters as such information has not been captured.

The loads reported in this table are the sums of the loads received by each WWTWs or outfall in each particular category, and hence include the proportion of PE allocated to hotels, and caravan and tent pitches therefore loads reported in this table include the non-resident population. The method for computing loads from NIW only WWTWs is the same as was implemented for AIR23, there has been no inclusion of re-circulated sludge/sludge liquors in the loads reported.

The Water and Sewerage Services (NI) Order 2006 designated that the discharge from hospitals, nursing homes & clinics should no longer be considered as Trade Effluent, therefore for AIR24 these have been removed from the Trade Effluent Submission. For the majority of hospitals a certain percentage of hospital discharges has been included due to discharges from x-ray departments and bathing pools. Since AIR12, the AIR11 Trade Information, for nursing homes and clinics, has been maintained as there was no other avenue available to obtain this information. Similarly the PEs for the hospitals has been

factored up to 100% of their total discharge to give a more accurate figure of load discharging to the sewerage network.

NIW has information pertaining to septic tank imports to its WWTWs. In summary of the 17 WWTWs that are septic tank imports centres 4 receive the sludge at the head of the inlet works and the remaining 13 receive it via sludge reception centres

For AIR24 conversion factors, received from our scientific staff, were used to convert the septic tank imports to PEs for the 4 WWTWs where imports are discharged directly to the inlet works.

Allowance at the other 13 WWTWs is not being made as there is no way of computing the PE of the supernatant return as a result of the septic tank imports.

The WWTWs where this sludge was discharged at the head of the works were Belfast, Glenstall, Lisburn (New Holland) and Strabane. A conversion was used to get an equivalent PE which was adopted for these sites for AIR13..

An assumption of 1% dry solids was made for Suspended Solid (SS) loading and an equivalent PE based on 60g of SS solids per PE was used.

| | | | **PE Calculation** | | | |
|---|---|---|---|---|---|---|
| **NIW CAR Name** | **Site Car Id** | **Total Volume m3/Yr** | **Total Volume m3/day** | **SS Loading (Assume 1% Dry Solids) m3/day** | **SS Loading kg/day** | **PE (SS/0.06)** |
| Belfast | S0345 | 9351.218 | -25.62 | 0.26 | 256.20 | 4270 |
| Glenstall | S1109 | 5958.173 | 16.31 | 0.16 | 163.24 | 2721 |
| Lisburn (New Holland) | S0329 | 4789.686 | 13.12 | 0.13 | 131.22 | 2187 |
| Strabane | S3213 | 4.035 | 0.0 | 0.00 | 0.11 | 2 |

NIW has also information pertaining to Sludge Imports to its WWTWs however due to the fact that the supernatant return is metered at only a small number of WWTWs, it would appear that these meters require verification and perhaps calibration. Therefore no allowance is being made for PE resulting from sludge imports at these works.

The Reporters Report on AIR09 recommended that NIW correct possible overestimation of total WWTW loads due to the inclusion of offices/commercial premises. The majority of the residential and non-residential element of PEs used to calculate tables 17c and 17d was based on Pointer information from MapInfo. However it should be noted that the non-residential element of Pointer is made up of both commercial and unknown properties. At this present time it is not known what proportion of the unknowns are actually residential and which are non-residential and therefore it has been decided to include both elements when calculating the PEs for the band sizes. It is difficult to estimate the proportion of load at a WWTW due to commuters, or the load which should be deducted from/added to a particular WWTW due to population commuting out of/into the catchments. Hence no allowance to WWTWs loads has been made either way for Table 17d.

The only allowance made for newly connected properties is where a population studies have been carried out for a drainage catchment during the reporting year and the

recommendations have been considered and agreed upon. Where a population study has not been completed for a drainage catchment no allowance has been made for newly connected properties. It should be noted that some drainage catchments may not have had a population review undertaken for several years. Going forward the exercise explained under 'Future Improvement' above will address this shortfall.

The table below gives a breakdown of the total load received by the company in '000 tonnes of BOD per annum, by each component used to build up the reported data. Please note the total equates to Line 5 (minor discrepancy due to rounding up of fractions).

| **Components used in build-up of Total Load** | **Total PE** | **000 tonnes of BOD per annum** |
|---|---|---|
| Residential | 1,392,304 | 30,491.47 |
| Non-Residential | 229,800 | 5,032.63 |
| Hotels | 24,253 | 531.13 |
| Educational (Play/Nursery/Primary/ Secondary schools) | 78,785 | 1,725.40 |
| Trade PE | 272,989 | 5,978.46 |
| Large (>7500m3) Consumers | 125,484 | 2,748.10 |
| Caravan Parks | 29,866 | 654.07 |
| Sludge Import / Export / Supernatant (Sludge Import to Inlet of Works – to 5 WWTWs 9,286 PE) | 23,974 | 525.02 |
| **Total (Line 5)** | **2,177,455** | **47,686.28** |

**Line 2 - Total load receiving secondary treatment**

The table below shows the changes in WWTWs receiving secondary treatment since AIR23 for Line 2. Individual changes 15% or greater listed. NB

| **Name of Works** | **CAR Site ID** | **PE Change** | **Comments** |
|---|---|---|---|
| Ardglass (WWTW) | S00268 | 683.2 | TE Update |
| Newry (WWTW) | S02685 | -28,509.9 | Actual PE updated with pointer data & TE Update |
| Waterfoot Road (WWTW) | S01643 | -52.0 | PE Study by APT |
| Total for WwTW's with less than 15% PE Change | N/A | 77,739.3 | 89no. WwTW's from TE Updates and PE Reviews |
| | **TOTAL** | **49,860.5** | **Change in Line 2 since AIR23** |

The change in PE equates to an increase in load of 1,091.95t BOD/yr (i.e. 49,860.5x 60 (for 60g/hd/day) /1000/1000 x 365) from AIR23 to AIR24, allowing for rounding up and down and conversions.

**Difference between AIR24 and AIR23 values (to 2 decimal places):**

| | |
|---|---|
| **Line 2 for AIR24-** | **46,924.1** |
| **Line 2 for AIR23 -** | **45,832.2** |
| **Total Difference -** | **1,091.9** |

Note – The difference in the above totals are due to rounding of values.

**Line 3 - Total load receiving primary treatment only**

The table below shows the changes in WWTWs since AIR23 that affects load entering the system for Line 3. NB. Individual changes 15% or greater listed.

| Name of Works | CAR ID | PE Change | Comments |
|---|---|---|---|
| Blackstaff (Septic Tank) | S00219 | -8.2 | Population report completed by RWwIP |
| Carran Hill (WWTW) | S02256 | 2.8 | Actual PE updated with pointer data |
| Total for WwTW's with less than 15% PE Change is only Ballyhalbert Victoria WwTW | S05412 | 2.1 | 1no. WwTW's from TE Updates |
| | **TOTAL** | **-3.3** | **Change in Line 4 since AIR23** |

The change in PE equates to an increase in load of -0.07t BOD/yr (i.e. -3.3 x 60 (for 60g/hd/day) /1000/1000 x 365) from AIR23 to AIR24, allowing for rounding up and down and conversions.

**Difference between AIR24 and AIR23:**

| | |
|---|---|
| **Line 3 for AIR24 -** | **210.3** |
| **Line 3 for AIR23 -** | **210.38** |
| **Total Difference -** | **-0.08** |

**Line 4 - Total load receiving preliminary treatment only**

The table below shows the changes in WWTWs since AIR23 that affects load entering the system for Line 4. NB There have been no changes in AIR24.

**Difference between AIR24 and AIR23:**

| | |
|---|---|
| **Line 4 for AIR24-** | **452.14** |
| **Line 4 for AIR23 -** | **452.14** |
| **Total Difference -** | **0.00** |

**Line 5 - Total load entering sewerage system**

The table below shows the changes in WWTWs since AIR23 that affects load entering the system for Line 5. NB. Individual changes 15% or greater listed.

| Name of Works | CAR ID | PE Change | Comments |
|---|---|---|---|
| Ardglass (WWTW) | S00268 | 683.2 | TE Update |
| Newry (WWTW) | S02685 | -28,509.9 | Actual PE updated with pointer data & TE Update |
| Waterfoot Road (WWTW) | S01643 | -52.0 | PE Study by APT |

| Name of Works | CAR ID | PE Change | Comments |
|---|---|---|---|
| Blackstaff (Septic Tank) | S00219 | -8.2 | Population report completed by RWwIP |
| Carran Hill (WWTW) | S02256 | 2.8 | Actual PE updated with pointer data |
| Total for WwTW's with less than 15% PE Change | N/A | 77,977.8 | 92no. WwTW's from TE Updates and PE Reviews |
| | **Total** | **50,093.7** | **Change in Line 5 PE since AIR23** |

The change in PE equates to an increase in load of 1,097.05t BOD/yr (i.e. 50,093.7 x 60 (for 60g/hd/day) /1000/1000 x 365) from AIR23 to AIR24, allowing for rounding up and down and conversions.

**Difference between AIR24 and AIR23:**

| | |
|---|---|
| **Line 5 for AIR24 -** | **47,686.3** |
| **Line 5 for AIR23 -** | **46,589.22** |
| **Total Difference -** | **1,097.08** |

Note – The difference in the above totals are due to rounding of values.

**Line 6 - Equivalent population served (resident)**

The table below shows the changes in WWTWs since AIR23 that affects equivalent population served (resident) for Line 6. Individual changes 15% or greater listed.

| Name of Works | CAR ID | PE Change | Comments |
|---|---|---|---|
| Ardglass (WWTW) | S00268 | 683.2 | TE Update |
| Newry (WWTW) | S02685 | -28,509.9 | Actual PE updated with pointer data & TE Update |
| Waterfoot Road (WWTW) | S01643 | -52.0 | PE Study by APT |
| Blackstaff (Septic Tank) | S00219 | -8.2 | Population report completed by RWwIP |
| Carran Hill (WWTW) | S02256 | 2.8 | Actual PE updated with pointer data |
| Total for WwTW's with less than 15% PE Change | N/A | 77,977.8 | 92no. WwTW's from TE Updates and PE Reviews |
| | **Total** | **50,093.7** | **Change in Line 6 PE since AIR23** |

**Difference between AIR24 and AIR23:**

| | |
|---|---|
| **Line 6 for AIR24 -** | **2,123,337** |
| **Line 6 for AIR23 -** | **2,073,243** |
| **Total Difference -** | **50,094** |

Note – The difference in the above totals are due to rounding of values.

**Line 7 - Equivalent population served (resident) (Numerical consents)**

The table below shows the changes in WWTWs PEs since AIR23 that affects equivalent population served (resident) with numerical consents for Line 7. Individual changes 15% or greater listed.

| Name of Works | CAR ID | PE Change | Comments |
|---|---|---|---|
| Ardglass (WWTW) | S00268 | 683.2 | TE Update |
| Newry (WWTW) | S02685 | -28,509.9 | Actual PE updated with pointer data & TE Update |
| Total for WwTW's with less than 15% PE Change | N/A | 77,697.1 | 77no. WwTW's from TE Updates and PE Reviews |
| | **Total** | **49,870.4** | **Change in Line 7 PE since AIR23** |

**Difference between AIR24 and AIR23:**

| | |
|---|---|
| **Line 7 for AIR24 -** | **2,057,621** |
| **Line 7 for AIR23 -** | **2,007,750** |
| **Total Difference -** | **49,871** |

Note – The difference in the above totals are due to rounding of values.

**Line 8 - Number of sewage treatment works**

The number of WWTWs of 1015, on this line differs from the total of 1021 as shown in Table 17c, as the former does not include the screened outfalls (1 No.) and the unscreened outfalls (5 No.), as per the definition for this line. There have been no changes in AIR24.

**Difference between AIR24 and AIR23:**

| | |
|---|---|
| **Line 8 for AIR24 -** | **1,015** |
| **Line 8 for AIR23 -** | **1,015** |
| **Total Difference -** | **0** |

**Line 9 – Treatment capacity available**

The table below shows the changes in Treatment Capacity Available at WWTWs since AIR23 for Line 9. NB.

| Name of Works | CAR ID | PE Change | Comments |
|---|---|---|---|
| Derrycrin | S01567 | 271.0 | BU (17/11/2023,RBC treatment for FA) |
| Eglish (Armagh) | S02578 | 79.0 | RWwIP output, Design PE increased, Beneficial Use 27/02/2024(RBC -30m3 PST). Actual PE updated with pointer data |
| Lisnamuck (Coleraine) | S01158 | -10.0 | RWwIP output, Design PE increased, Beneficial Use (date TBC) |
| Mountfield (WWTW) | S03192 | 85.0 | BU (22/03/2024, RBC for FFT) |
| Tirquin | S03230 | 3.0 | RWwIP output, Design PE increased, BU (date TBC) RBC |
| Tursallagh | S03235 | 10.0 | RWwIP output, Design PE increased, BU (Date TBC) RBC |
| | **Total** | **438.0** | **Change in Line 9 PE since AIR23** |

The change in PE equates to an increase in load of 0.03t BOD/day (i.e. 438.0 x 60 for 60g/hd/day /1000/1000) from AIR23 to AIR24.

**Difference between AIR24 and AIR23:**

| | |
|---|---|
| **Line 9 for AIR24 -** | **136.24** |
| **Line 9 for AIR23 -** | **136.21** |
| **Total Difference -** | **0.03** |

Note – The difference in the above totals are due to rounding of values

**Confidence Grade**

The confidence grade for line 8 remains as A2. There may still be a number of small WWTWs which are perhaps under the ownership of the NI Housing Executive or have become private due to customers perhaps installing their own private septic tanks or converting 2 houses into 1. Hence a small reduction in confidence grade i.e. A2 is viewed as necessary to reflect this uncertainty, especially as 692WWTWs (excluding tourist PE) are listed as having a PE of less than 100.

**Lines 14- 17 Sewage – Sludge Disposal**

**NIW Only**

**Line 14 – Percentage unsatisfactory sludge disposal**

Northern Ireland Water (NIW) continues to have zero unsatisfactory sludge disposals. NIW has again assigned a confidence grade of A1 to percentage unsatisfactory sludge disposal as the total is zero.

**Line 15 – Total sewage sludge produced**

Sewage cake is produced from 8Nr. NIW sites and transported to PPP Contractor for incineration. Liquid sludge is also transported to the PPP Contractor (Ballynacor & Duncrue Street, Belfast) where the Contractor measures and processes same for disposal (including Belfast WwTW Indigenous.

For the purpose of AIR 24 submission Table 15 (NIW Only) relates to sewage sludge produced for 2023/24 (tds) as recorded by PPP and monthly by the WWPL Sludge Officer (reconciled using the SLS) and presented in the monthly Sludge Management Report along with an estimated quantity of WwTW & WwPS grit & screenings which are routinely removed as part of the sewage treatment process and disposed of separately under Tender C1088 (Collection, Transportation and Disposal of Waste by skip). The total estimated quantity of grit and screenings removed as part of the sewage treatment process and disposed of under Tender C1088 has been collated on Worksheet 4 for the period of 2023/24.

**Line 16 - Total sewage sludge received from NI Water**

Northern Ireland Water is contracted to transfer all sewage liquid and cake to PPP. Sewage cake is produced from 8Nr. NIW sites and transported to PPP Contractor for incineration. Liquid sludge is also transported to the PPP Contractor (Ballynacor & Duncrue Street, Belfast) where the Contractor measures and processes same for disposal (including Belfast WwTW Indigenous). That element of the sewage treatment production is reported and subsequently combined for the Total T15 submission. This data is also submitted through PPP reporting in T42.

**Line 17 - Total sewage sludge disposal**

Northern Ireland Water disposes the same amount of sludge as that produced (Line 15). NIW remains committed to compliance with the requirements of the “Safe Sludge Matrix.” A

total of 97.5% of sewage sludge to PPP during 2023/24. The total estimated quantity of grit and screenings removed as part of the sewage treatment process and disposed of separately under Tender C1088 (Collection, Transportation and Disposal of Waste by skip) has been collated and disposed to landfill & other (ReCon) in 2023/24.

**PPP Only**

**Line 2 - Total load receiving secondary treatment**

The total loads receiving secondary treatment have changed to reflect the actual load discharged from the NI Water sewer network to the PPP works. There has been an increase of 573.6 Tonnes BOD received by the Omega wastewater sites and 134.0 Tonnes BOD reduction at the Kinnegar Wastewater site.

**Line 6 - Equivalent population served (resident)**

The change in the Equivalent Population Served (resident) receiving treatment reflects the change in load received from the NIW Catchments in line with the variation to the Loading received at the works (Line 2 above).

**Line 7 - Equivalent population served (resident) (Numerical consents)**

As all the PPP WwTW's have numerical consents, the change reflects the same change in Line 6 above for the same reasons. [Refer to Lines 2 &6 above].

**Lines 14- 17 Sewage – Sludge Disposal**

**PPP only**

**Line 14**

No change.

**Line 15 - Total sewage sludge produced**

*Note: The entry on Line 15 refers to Omega Sludges only as Kinnegar is viewed as a NI Water Sludge Source within this Table.*

The changes in sludge produced data reflect the actual loads delivered to the PPP contractor from within the NI Water sewer network, outside the PPP contractor's control. There are minor additions for Screenings and Grit which were initially reported in AIR13 and subsequently in AIR submissions since by the Contractors.

The variations are tabulated below;

| PPP Production | AIR24 | AIR23 | AIR22 | AIR21 | AIR20 | AIR19 | AIR18 | AIR17 | AIR16 | AIR15 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Armagh WWTW** | 0.415 | 0.486 | 0.529 | 0.537 | 0.506 | 0.486 | 0.534 | 0.605 | 0.535 | 0.579 |
| **Richhill WWTW** | 0.066 | 0.074 | 0.076 | 0.07 | 0.066 | 0.067 | 0.068 | 0.071 | 0.071 | 0.063 |
| **Ballynacor WWTW** | 2.737 | 2.812 | 2.687 | 2.398 | 2.607 | 2.307 | 1.882 | 1.739 | 1.564 | 2.269 |
| **Ballyrickard WWTW** | 1.058 | 1.141 | 1.221 | 1.107 | 1.14 | 1.15 | 1.246 | 1.293 | 1.064 | 1.337 |
| **NDA WWTW** | 1.469 | 1.577 | 1.513 | 1.661 | 1.687 | 1.514 | 1.629 | 1.656 | 1.818 | 1.633 |
| **Omega Screenings/Grit** | 0.139 | 0.181 | 0.162 | 0.156 | 0.141 | 0.22 | 0.233 | 0.206 | 0.083 | 0.083 |
| **Totals** | 5.884 | 6.271 | 6.188 | 5.929 | 6.147 | 5.744 | 5.592 | 5.57 | 5.135 | 5.964 |

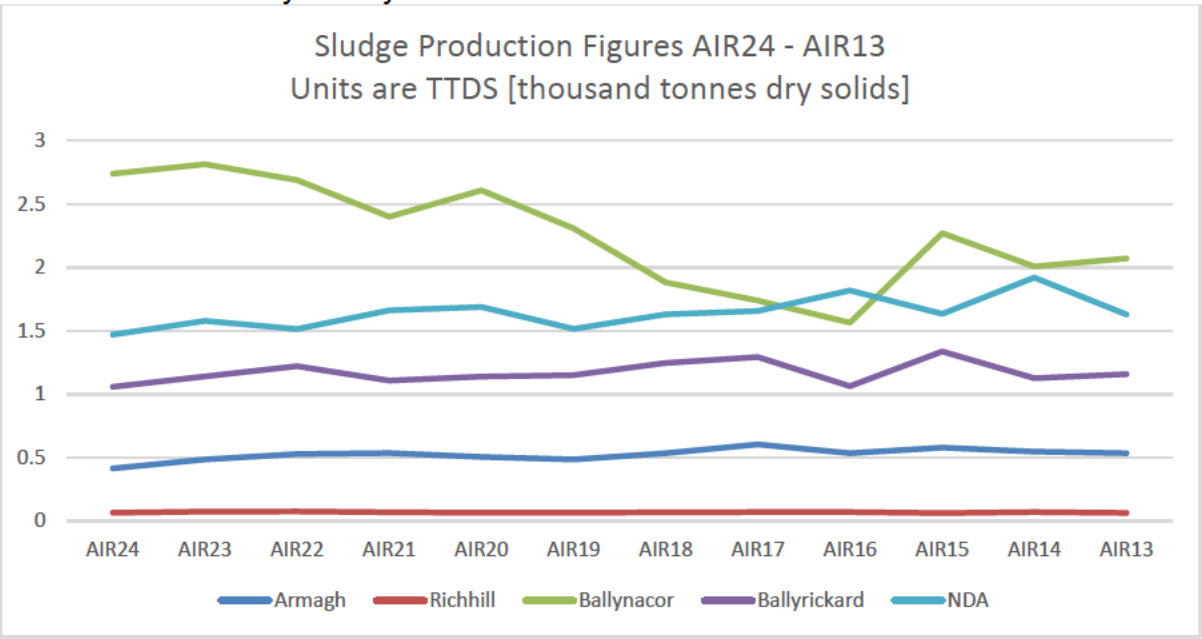
| PPP Production | AIR14 | AIR13 | AIR12 | AIR11 |
|---|---|---|---|---|
| **Armagh WWTW** | 0.547 | 0.535 | 0.57 | 0.759 |
| **Richhill WWTW** | 0.071 | 0.065 | 0.066 | 0.213 |
| **Ballynacor WWTW** | 2.007 | 2.069 | 3.33 | 2.468 |
| **Ballyrickard WWTW** | 1.126 | 1.158 | 1.225 | 1.627 |
| **NDA WWTW** | 1.92 | 1.628 | 1.559 | 1.753 |
| **Omega Screenings/Grit** | 0.088 | 0.106 | | |
| **Totals** | 5.759 | 5.561 | 6.75 | 6.82 |

The changes in sludge production [shown below in graphical form] records data for Omega reflect a probable combination of :

(i) Cumulative tolerances in the representative nature of dry solids sampling and flowmeter accuracy (particularly on smaller sites)

(ii) A mix of improved methodologies and record keeping systems for liquid and cake movements (as demanded by the Omega contract payment processes) implemented by end of AIR11, and

(iii) The timing of data capture, where prolonged dry periods can have a fluctuating effect from year to year on absolute values.




The Omega sites continue to present a reasonably consistent trend over the last 5 year AIR periods, with Ballynacor WwTW increasing (albeit at a slower rate) each year and the remaining Omega sites decreasing slightly in sludge production. .

**Line 16 - Total sewage sludge received from NI Water**

This reflects the change in sludge quantities received by the PPP Contractor from the Company and includes that received from Kinnegar concession, which is treated as Company sludge for the purposes of the Omega PPP Contractor's records.

**Line 17 - Total sewage sludge disposal**

In AIR23 the Omega Contractor reported a sludge disposal of 36.7 ttds [36.706 ttds]. This year (AIR24) the reported figure is 36.2 ttds [36.173 ttds]; these Omega based figures also exclude the Screenings and Grit removal for both the Kinnegar site and the NIW sites, where each of these parties disposes of these directly, rather than through the Omega contract .

9The comparable ttds total sludge disposal variance against AIR23 is considered to be a combination of:

(i) Timing of data capture (sludges being collected and receipted for disposal)

(ii) Accurate measurement and records demanded under the Omega contract

(iii) Variations in quantities of sludge produced across PPP and NIW WwTWs, potentially indicative of more CSO discharges in what was a significantly wetter AIR24 period compared to AIR23.

(iv) Reporting of Screenings and Grit, and modification to accuracy where possible.

(v) Reporter requirement that the total Sludge Disposal calculation is adjusted to remove the Incinerator Return Loading which is essentially a double count, has not impacted on this, as it has not been included.

(vi) The inaccurate methodology for estimation of the Centrate returns to Duncrue WwTW. As the Regulator has already agreed that the Glen Water operation at Belfast WwTW is unique and that it should not be charged in relation to Trade Effluent, even though this operation is covered by Trade Effluent Agreements. It is worthy to note that the Omega Contract pays on Sludge Processed and not Net Volumes [which would disregard any re-circulation]. This would further suggest that the calculation is not relevant.

(vii) A continuation of the 2021/22 significant reduction of sludge transfers from Belfast WWTW to the Omega Contractors dewatering facilities at Duncrue St.

**Specific Commentary Requirements:**

- Assumptions Made:
  - 60g/h/d as per NIAUR requirements
  - Skips weights (for Screenings and Grit) are recorded in wet tonnes. An assumption based on long term averages of (39%DS Screenings and 65%DS Grit) Dry Solids content has been used to convert wet tonnes into TDS. Apart from Kinnegar where the %DS is assessed for each skip weight.
- BOD loading is based on the measured influent sample result of loading applied to the WWTW processes; therefore there is no need to include a calculation for recirculated Sludge/Sludge liquors in Lines 1-7. It is not a calculated load from desktop analysis of Population, as required by the Regulator Guidance Notes. However, PPP Management team have been instructed to proceed on the basis of measured BOD and PE calculated from measured BOD (rather than desktop calculation) as it has been advised this is the Reporter and Regulators preferred method of establishing PE and BOD.
- Sludge production is based on the records of actual sludge imported to treatment or disposal centres. This is confirmed from the Contractors records of sludge from both weighbridge / Waste Management Notes records (for sludge cake) and sludge logger records (for liquid sludge).
- The PE figures have only been established on the basis of the $BOD_5$ loads recorded by the end of the year and represent the load received for the AIR24 Reporting Period. They have not therefore been notified to NIEA, as any such notifications relate to calendar years.
  As the PPP contractors do not control septage, trade effluent nor manage connections of domestic population, they are unable to build up the loads on this basis. The loads are therefore determined in accordance with the Table 15 Line 2 Methodology, based on 52 treated effluent $BOD_5$ sample results per year]. This is contrary to the requirements of the Guidance Notes, and is not consistent with how NI Water only data is constructed; but PPP Management Team has been advised that this is the Reporter and the Regulator's preferred method of calculation. The PPP only data remains unchanged. The approach to recirculated sludge/sludge liquors in Lines 1-7 are consistent with the methodology presented in AIR's 10-23.

**Total Table**

**Line 14 - Percentage unsatisfactory sludge disposal**

No change from previous year. Sludges were either incinerated or disposed of to licensed recycling facilities in NI and GB.

**Line 15 - Total sewage sludge produced**

The changes to the sludges produced are reflected in the commentary to Line 17 below. Refer to Line 15 above.

**Line 17 - Total sewage sludge disposal**

In AIR23 the PPP Contractors reported a disposal of 36.7 ttds [36.705] sludge disposed of. This year (AIR24) the reported figure is 36.2 [36.173] ttds.

In AIR23 the Company disposed of 0.8 ttds [0.798 ttds] relating to grit/screenings sludge. This year (AIR24) the reported figure is 0.8 ttds [0.761 ttds]. The AIR24 year was a very wet year for rainfall as 1421.1mm fell based on the AREAL series [Long term annual average 1,100mm of rainfall]. Rainfall for the AIR23 period was 1135.5mm. This may be reflected in more frequent operation of network CSO's with the potential for less loading entering all WWTWs across NI, and hence less Company sludge being generated for disposal.

In total, AIR23 reported 37.5 ttds [37.526 ttds] of sludge disposed of by all parties. In this reporting year (AIR24) the figure is 37.0 ttds [36.998 ttds].

The variance of 0.528 ttds [0.415 ttds AIR23] is considered to be a combination of:

(i) A reduction in total tonnage of sludge disposed of by the Omega contractor from NIW, Kinnegar and Omega WWTWs in combination, potentially a function of the higher NI rainfall and more frequent operation of network CSO's.

(ii) Variation in sludges derived for PPP Contractor grit and screenings, providing a further potential for variance.

(iii) A variation in Sludge and Screenings handled by NI Water.

(v) A substantial decrease in the volume of Indigenous Sludge produced at Duncrue St. -1.158 ttds. A substantial increase in Sludge cake received +0.476 ttds and reduced Liquid Sludge from NI Water of -0.328 ttds. A decrease of Sludge produced by Omega of -0.185. An increase in Ballynacor Sludge Cake delivered at +0.506 ttds. Kinnegar WwTW increased Sludge Cake production by +0.198 ttds, the remaining factor is the reduction in overall Screenings and Grit disposal which was -0.038 ttds.

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 16 NON FINANCIAL MEASURES
SEWERAGE SERVICE ACTIVITIES (NIW Only)

| | DESCRIPTION | UNITS | DP | 1 REPORTING YEAR 2015-16 | CG | 2 REPORTING YEAR 2016-17 | CG | 3 REPORTING YEAR 2017-18 | CG | 4 REPORTING YEAR 2018-19 | CG | 5 REPORTING YEAR 2019-20 | CG | 6 REPORTING YEAR 2020-21 | CG | 7 REPORTING YEAR 2021-22 | CG | 8 REPORTING YEAR 2022-23 | CG | 9 REPORTING YEAR 2023-24 | CG | 10 REPORTING YEAR 2024-25 | CG | 11 REPORTING YEAR 2025-26 | CG | 12 REPORTING YEAR 2026-27 | CG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A** | **ASSET BALANCE AT APRIL 1** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Total length of sewers | km | 2 | 15,581.51 | B3 | 15,625.13 | B3 | 15,777.29 | B3 | 15,890.63 | B3 | 16,009.10 | B3 | 16,163.23 | B3 | 16,301.61 | B3 | 16,362.76 | B3 | 16,480.46 | B3 | | | | | | |
| 2 | Total length of "critical" sewers | km | 2 | 3,760.85 | C3 | 3,839.64 | C3 | 3,860.69 | C3 | 3,892.98 | C3 | 3,930.23 | C3 | 3,997.00 | C3 | 4,044.91 | C3 | 4,043.97 | C3 | 4,079.34 | C3 | | | | | | |
| **B** | **CHANGES DURING REPORT YEAR** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | New "critical" sewers | km | 2 | 36.44 | C3 | 1.49 | C3 | 2.75 | C3 | 2.79 | C3 | 1.14 | C3 | 1.19 | C3 | 11.68 | C3 | 6.77 | C3 | 12.81 | B2 | | | | | | |
| 4 | "Critical" sewers - inspection by CCTV/man entry | km | 2 | 71.62 | C4 | 91.44 | C4 | 151.69 | C4 | 83.93 | C4 | 65.60 | C4 | 118.46 | C4 | 117.00 | C4 | 105.43 | C4 | 182.44 | B2 | | | | | | |
| 5 | "Critical" sewers - renovated | km | 2 | 1.26 | B2 | 4.65 | B2 | 2.49 | B2 | 1.52 | B2 | 2.55 | B2 | 3.71 | B2 | 2.24 | B2 | 5.98 | B2 | 5.23 | B2 | | | | | | |
| 6 | "Critical" sewers - replaced | km | 2 | 5.32 | B2 | 1.48 | B2 | 2.76 | B2 | 0.68 | B2 | 2.38 | B2 | 2.50 | B2 | 2.11 | B2 | 2.91 | B2 | 1.09 | B2 | | | | | | |
| 7 | Abandoned "critical" sewers and other changes | km | 2 | 0.00 | B2 | 0.16 | B2 | 0.00 | B2 | 0.00 | B2 | 1.40 | B2 | 0.00 | B2 | 0.11 | B2 | 0.24 | B2 | 0.02 | B2 | | | | | | |
| 8 | New "non-critical" sewers | km | 2 | 110.60 | C3 | 117.07 | C3 | 117.78 | C3 | 41.94 | C3 | 63.18 | C3 | 88.77 | C3 | 98.64 | C3 | 100.53 | C3 | 132.48 | B2 | | | | | | |
| 9 | "Non-critical" sewers - renovated | km | 2 | 2.71 | B2 | 2.53 | B2 | 3.88 | B2 | 3.96 | B2 | 3.64 | B2 | 4.82 | B2 | 6.96 | B2 | 5.69 | B2 | 4.51 | B2 | | | | | | |
| 10 | "Non-critical" sewers - replaced | km | 2 | 7.80 | B2 | 0.63 | B2 | 5.98 | B2 | 4.36 | B2 | 9.95 | B2 | 1.68 | B2 | 19.04 | B2 | 7.54 | B2 | 5.70 | B2 | | | | | | |
| 11 | Abandoned "non-critical" sewers and other changes | km | 2 | 0.11 | B2 | 0.29 | B2 | 0.18 | B2 | 0.39 | B2 | 0.21 | B2 | 0.60 | B2 | 0.08 | B2 | 0.13 | B2 | 0.02 | B2 | | | | | | |
| 11a | Total length of sewers replaced or renovated | km | 2 | 17.09 | B2 | 9.29 | B2 | 15.11 | B2 | 10.52 | B2 | 18.52 | B2 | 12.71 | B2 | 30.35 | B2 | 22.12 | B2 | 16.53 | B2 | | | | | | |
| 12 | Sewer collapses per 1,000km | nr | 1 | 78.5 | B6 | 79.1 | B3 | 75.8 | B3 | 77.5 | B3 | 77.3 | B3 | 80.4 | B3 | 74.9 | B3 | 77.5 | B3 | 83.9 | B3 | | | | | | |
| 13 | Sewer blockages per 1,000km | nr | 1 | 1,023.4 | B3 | 998.6 | B3 | 905.8 | B3 | 987.9 | B3 | 1,088.5 | B3 | 872.1 | B3 | 748.3 | B3 | 695.2 | B3 | 636.9 | B3 | | | | | | |
| 13a | Number of sewer blockage clearance which exceeds 6 hours | nr | 0 | 4,199 | A2 | 4,285 | A2 | 3,362 | A1 | 4,155 | A1 | 4,960 | B3 | 3,900 | A1 | 4,384 | A1 | 4,646 | A1 | 3,744 | A1 | | | | | | |
| 13b | Number of sewer blockage clearance which exceeds 12 hours | nr | 0 | 3273 | A2 | 3,625 | A2 | 2,586 | A1 | 3,137 | A1 | 3,634 | B3 | 3,007 | A1 | 3,510 | A1 | 3,790 | A1 | 3,042 | A1 | | | | | | |
| 13c | Number of sewer blockage clearance which exceeds 24 hours | nr | 0 | 555 | A2 | 708 | A2 | 390 | A1 | 512 | A1 | 655 | B3 | 498 | A1 | 869 | A1 | 898 | A1 | 545 | A1 | | | | | | |
| **C** | **ASSET BALANCE AT MARCH 31** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | Total length of sewers | km | 2 | 15,625.13 | B3 | 15,777.29 | B3 | 15,890.63 | B3 | 16,009.10 | B3 | 16,163.23 | B3 | 16,301.61 | B3 | 16,362.76 | B3 | 16,480.46 | B3 | 16,610.98 | B3 | | | | | | |
| 15 | Total length of "critical" sewers | km | 2 | 3,839.64 | C3 | 3,860.69 | C3 | 3,892.98 | C3 | 3,930.23 | C3 | 3,997.00 | C3 | 4,044.91 | C3 | 4,043.97 | C3 | 4,079.34 | C3 | 4,103.25 | C3 | | | | | | |
| **D** | **INTERMITTENT DISCHARGES** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16a | Number of unsatisfactory intermittent discharges excluding CSOs (NIEA) | nr | 0 | 151 | C2 | 147 | C2 | 143 | C2 | 253 | C2 | 134 | C2 | 133 | C2 | 323 | B2 | 417 | B2 | 481 | B2 | | | | | | |
| 16b | Number of unsatisfactory intermittent discharges CSOs (NIEA) | nr | 0 | 270 | C2 | 263 | C2 | 255 | C2 | 137 | C2 | 253 | C2 | 253 | C2 | 282 | B2 | 368 | B2 | 461 | B2 | | | | | | |
| 17a | Number of intermittent discharges excluding CSOs | nr | 0 | 1,760 | B3 | 1,762 | C2 | 1,766 | C2 | 1,771 | C2 | 1,776 | C2 | 1,783 | C2 | 1,784 | C2 | 1,792 | C2 | 1,723 | B2 | | | | | | |
| 17b | Number of CSOs | nr | 0 | 800 | B3 | 796 | C2 | 788 | C2 | 784 | C2 | 784 | C2 | 784 | C2 | 784 | C2 | 784 | C2 | 721 | B2 | | | | | | |
| **E** | **DRAINAGE AREA PLANS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | Cumulative number of drainage area plans completed | nr | 0 | 58 | A1 | 58 | A1 | 79 | A1 | 82 | B2 | 71 | B2 | 82 | B2 | 84 | B2 | 90 | B2 | 137 | B2 | | | | | | |
| 19 | Number of drainage area plan studies in progress at the report end of the report year | nr | 0 | 8 | A1 | 14 | A1 | 23 | A1 | 35 | B2 | 48 | B2 | 58 | B2 | 72 | B2 | 61 | B2 | 34 | B2 | | | | | | |
| 20 | Total sewerage drainage areas | nr | 0 | 250 | A2 | 250 | A2 | 250 | A2 | 250 | B2 | 257 | B2 | 255 | B2 | 255 | B2 | 254 | B2 | 251 | B2 | | | | | | |
| 21 | Cumulative % drainage area plan studies completed | % | 1 | 23.2 | A2 | 23.2 | A2 | 31.6 | A2 | 32.8 | B2 | 27.6 | B2 | 32.2 | B2 | 32.9 | B2 | 35.4 | B2 | 54.5 | B2 | | | | | | |
| 22 | % population/properties covered by completed studies | % | 1 | 50.4 | B3 | 50.2 | B3 | 87.2 | B2 | 82.1 | B2 | 85.2 | B2 | 89.0 | B2 | 89.5 | B2 | 89.3 | B2 | 78.2 | B2 | | | | | | |
| **F** | **SEWAGE TREATMENT COMPLIANCE MEASURES** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | % WwTW discharges compliant with numeric consents | % | 1 | 92.6 | A1 | 93.4 | A1 | 93.4 | A1 | 94.7 | A1 | 94.7 | A1 | 95.2 | A1 | 93.6 | A1 | 93.6 | A1 | 93.6 | A1 | | | | | | |
| 24 | % of total p.e. served by WwTWs compliant with numeric consents | % | 1 | 97.5 | A1 | 93.9 | A1 | 98.1 | A1 | 99.3 | A1 | 94.0 | A1 | 99.2 | A1 | 98.8 | A1 | 98.9 | A1 | 94.2 | A1 | | | | | | |
| 24a | % of total p.e. served by WwTWs compliant with numeric consents excluding upper tier failures | % | 1 | 98.3 | A1 | 98.7 | A1 | 98.4 | A1 | 99.3 | A1 | 99.4 | A1 | 99.4 | A1 | 99.1 | A1 | 99.0 | A1 | 99.1 | A1 | | | | | | |
| 25 | Small WwTW compliance (works greater than or equal to 20 p.e. but less than 250 p.e. | % | 2 | 80.72 | A1 | 83.99 | A1 | 87.21 | A1 | 86.64 | A1 | 89.29 | A1 | 90.91 | A1 | 92.01 | A1 | 92.65 | A1 | 92.70 | A1 | | | | | | |
| **G** | **NOMINATED SEWERAGE SERVICE OUTPUTS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | Delivery of improvements to nominated UIDs as part of a defined programme of work | nr | 0 | 26 | A2 | 11 | A1 | 11 | A1 | 8 | A1 | 3 | A1 | 1 | A1 | 4 | A1 | 3 | A1 | 5 | A1 | | | | | | |
| 27 | Delivery of improvements to nominated WWTWs as part of a defined programme of work | nr | 0 | 3 | A2 | 2 | A1 | 2 | A1 | 6 | A1 | 2 | A1 | 3 | A1 | 1 | A1 | 6 | A1 | 3 | A1 | | | | | | |
| 28 | Small WwTWs delivered as part of the rural wastewater investment programme | nr | 0 | 4 | A2 | 8 | A2 | 3 | A2 | 8 | A2 | 9 | A2 | 12 | A2 | 2 | A1 | 10 | A1 | 4 | A1 | | | | | | |
| **H** | **PC15 ADDITIONAL SEWERAGE SERVICE OUTPUT MEASURES** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | CSO and EO discharges at which event and duration monitoring equipment has been installed | nr | 0 | 0 | B2 | 0 | B2 | 0 | B2 | 115 | B2 | 37 | B2 | 127 | B2 | 52 | B2 | 83 | B2 | 124 | B2 | | | | | | |
| 30 | WwTWs upgraded to comply with PPC Regulations | nr | 0 | 0 | A1 | 0 | A1 | 1 | A1 | 6 | A1 | 7 | A1 | 2 | A1 | 0 | A1 | 0 | A1 | 0 | A1 | | | | | | |
| 31 | Impermeable surface water collection area removed from the combined sewerage network | m2 | 0 | 28,560 | B2 | 54,864 | B2 | 119,200 | B2 | 34,103 | B2 | 59,586 | B2 | 0 | B2 | 1,200 | B2 | 91,898 | B2 | 137,676 | B2 | | | | | | |
| 32 | Number of sustainable WwTW solutions delivered (p.e. ≥ 250) | nr | 0 | 1 | A1 | 1 | A2 | 1 | A2 | 1 | A2 | 0 | A1 | 0 | A1 | 0 | A1 | 0 | A1 | 0 | A1 | | | | | | |
| 33 | Number of sustainable WwTW solutions delivered (p.e. < 250) | nr | 0 | 0 | A1 | 1 | A2 | 0 | A2 | 0 | A2 | 1 | A1 | 1 | A1 | 0 | A1 | 0 | A1 | 0 | A1 | | | | | | |
| **I** | **PC21 ADDITIONAL SEWERAGE SERVICE OUTPUT MEASURES** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | Number of current Economic Constraint Areas removed by PC21 investment | nr | 0 | | | | | | | | | | | | | 0 | A1 | 0 | A1 | 0 | A1 | | | | | | |
| 35 | Number of current Serious Development Restrictions removed by PC21 investment | nr | 0 | | | | | | | | | | | | | 0 | A1 | 6 | A1 | 2 | A1 | | | | | | |

## Table 16 - Sewerage Service Activities (NI Water only WWTW)

### Line 1 – Total length of sewers 1 April

This value has been extracted from line 14 Table 16 of the previous AIR submission.

### Line 2 – Total length of 'critical' sewers 1 April

This value has been extracted from line 15 Table 16 of the previous AIR submission.

### Lines 3 to 11a – Changes during report year

The tables below show the make-up of the figures submitted for these lines.

| Line | Description | CD | DS | CSD | Total(km) |
|---|---|---|---|---|---|
| 3 | New "critical" sewers | 0.37 | 12.44 | 0 | 12.81 |
| 5 | "Critical" sewers - renovated | 4.83 | n/a | 0.4 | 5.23 |
| 6 | "Critical" sewers - replaced | 1.09 | n/a | 0 | 1.09 |
| 7 | Abandoned "critical" sewers and other changes | 0.02 | n/a | 0 | 0.02 |
| | | | | | |
| 8 | New "non-critical" sewers | 5.16 | 127.3 | 0 | 132.48 |
| 9 | "Non-critical" sewers - renovated | 2.89 | n/a | 1.62 | 4.51 |
| 10 | "Non-critical" sewers - replaced | 5.70 | n/a | 0 | 5.70 |
| 11 | Abandoned "non-critical" sewers and other changes | 0.02 | n/a | 0 | 0.02 |
| | | | | | |
| 11a | Total length of sewers replaced or renovated | | | | 16.53 |

### Lines 3 and 8 – New 'critical' sewers/ new 'non-critical' sewers

Lines 3 and 8 include lengths of sewers within 'new development' which have been adopted by the Developer Services section of NI Water. The total length added to the network in AIR24 is 145.29km, compared to 107.3km in AIR23.

The critical sewer lengths have been calculated using the same methodology as AIR23.

Following discussion with AIR24 Reporter, it was agreed AIR23 confidence grade of C3 does not reflect the reliability and accuracy of the source data which would to a higher level. Lines 3 and 8 share same data source as Lines 5, 6, 9 and 10. Confidence grade has been changed to B2 for AIR24.

### Line 4 - 'Critical' sewers – inspection by CCTV/man entry

| Line | Description | CD | In-house | AP | Total (km) |
|---|---|---|---|---|---|
| 4 | 'Critical sewers'- inspection by CCTV/man entry | 83.7 | 83.48 | 15.26 | 182.44 |

**Capital Delivery**

Carried out 83.7km of CCTV work this year 23/24.

**Asset Performance**

Carried out 15.26km of CCTV work to address work for the Drainage Area Studies and Sewer Rehab Programme.

**In-house crews**

The length of CCTV executed by in-house CCTV crews is reported in AIR24 as 333.93km. In order to estimate the 'critical' sewer length this was multiplied by the overall percentage of critical sewer in the Corporate Asset Register – which is 25% = 83.48km.
Giving a total of 182.44km.

Following discussion with AIR24 Reporter, it was agreed AIR23 confidence grade of C3 does not reflect the reliability and accuracy of the source data which would to a higher level. Lines 4 shares same data source as Lines 5, 6, 9 and 10. Confidence grade has been changed to B2 for AIR24.

**Lines 5, 6, 9, 10 and 11a - sewers renovated and replaced**

The total length renovated and replaced (16.53km) is a decrease on the AIR23 figure of 22.12km.

NI Water is still on target to meet our targets for sewer rehab.

Confidence grades remain unchanged at B2.

**Lines 7 and 11 - sewers abandoned**

These lines had a return of 0.04km which is a decrease on the AIR23 figure of 0.33km. These figures were due to the abandonment of sewers only.

**Lines 12-13c – Sewer collapses and blockages**

**General**

NIW agree the number of sewer blockages and sewer collapses from the draft invoices provided by the Contractor and approved by the relevant Field Managers. For the purposes of AIR 24 submissions and moving forward the Sewer Maintenance Contractor now provides an automated monthly blocked sewer report which details the total number of blockages cleared i.e. Main Sewer, Lateral Sewer, 'Private' Sewer & instances where the Contractor attended site and reported 'No Blockage Found'.

Within this reporting year (2023/24) the number of blockages has fallen in comparison with 2022/2023 reporting period. This is due to an increased emphasis on first time resolution and improved Public & Business education and practice i.e. greater monitoring of contractor repeat blockages and pressure on contractor to improve service and fault diagnosis.

The total number of rising main failures added to the total number of gravity sewer collapses provides the number of sewer repairs for table 46 line 44. During the reporting year the figures are as follows:

| | |
|---|---|
| 26 | Rising Main Failures Repaired |
| 1079 | Gravity Main Sewers Repaired |
| 289 | Gravity Lateral Sewers Repaired |
| 1394 | Total number of sewer repairs |

| | |
|---|---|
| 7930 | Main Sewer Blockages |
| 2649 | Lateral Sewer Blockages |
| 10579 | Total Number of sewer blockages |

Of the 10579 sewer blockages, for 23/24 reporting year there were 36 incidents of actual internal flooding.

Note: There were no other sewer repairs other than those documented above.

All FOC's attributed to 23 Blockages 12 Collapses 1 Equipment Failure

NIW are now more proactive in their approach to repeat blockages, as part of the annual performance objectives all the Field Managers (FM) have been tasked to make a 1% reduction in the number of blocked sewers. This reduction is being targeted by NIW Customer Field Managers (CFM) using the resource of designated field technicians to carry out CCTV investigations on sewers that have repeat blockage complaints, any faults found are remedied, thus reducing the number of repeat incidents. NIW have now generated a new standard job that enables the contractor, when he is attending a blocked sewer, to carry out a CCTV to locate and mark any suspected defects in the pipe, these can then be repaired and this prevents further repeat blockages and a reduction in the total number of blockages annually. Under the new contract repeat blockages are recorded on the draft invoices, from the contractor, as they are not paid unless the original blockage was more than 28 days prior to the reoccurrence. These repeat blockages < 28 days are discounted from the blockage numbers.

For AIR 24 submissions & moving forward the Sewer Maintenance Contractor provides an automated monthly blockage report to NIW. This blockage report details the job created date & time and the date and time the job is completed by the Contractor on site.

- The number of rising main failures and the number of gravity sewer collapses are summated to give the total number of sewer collapses.
- The total number of sewer collapses is divided by the total length of sewers at 31 March 2024 to give the number of sewer collapses per kilometre.
- The number of sewer collapses per kilometre is multiplied by 1000 to give the number of sewer collapses per 1,000km.

Table 16 line 12 has been calculated using the figure reported for table 46 Lines 32 and 33 and the total length of sewers figure reported for Table 16 line 14.

The automated monthly blocked sewer report received from the Sewer Maintenance Contractor also includes numbers of ‘Private’ blockages cleared as a goodwill gesture and also the numbers of instances where the Contractor attended site and reported ‘No blockage found’.

**Line 13 - Sewer Blockages per 1,000 Km**

- The number of sewer blockages is divided by the total length of sewers at 31 March 2024 to give the number of sewer blockages per kilometre.
- The number of sewer blockages per kilometre is multiplied by 1000 to give the number of sewer blockages per 1,000km.

Table 16: line 13 has been calculated using the figure reported for table 46 Line 36 and the total length of sewers figure reported for Table 16 line 14

**Lines 13a, 13b and 13c - Number of blockage clearance which exceeds 6, 12 & 24 hours**

The Sewer Maintenance Contractor provides an automated monthly blockage report to NIW. The blockage report details the job created date & time, the date and time the job is completed by the Contractor on site and calculates the length of time the blockage takes to complete. The Sewer Maintenance Contractor report also details the number of ‘private’ sewer blockages cleared as a good will gesture and these are subsequently excluded from

the totals. These figures are then populated into Table 16 Lines 13a, 13b & 13c as per Utility Regulator definition.

**Confidence Grading – Lines 12, 13, 13a, 13b & 13c**

Because NIW are using data from checked and paid invoices (B3) and total length of sewers (B3), the confidence grade for the AIR24 L12 & L13 is B3. NIW expects this to consolidate as we move forward into AIR25 as report building continues with the single Sewer Maintenance Contractor.

The Confidence Grade for Table 16 Lines 13a, 13b & 13c is A1 on the basis of the automated monthly blocked sewer report received from the Sewer Maintenance Contractor.

**Line 14 – Total length of sewers**

There has been no change to the structure of the data reported on this year from the previous years that would directly affect the totals provided. The same queries have been used to extract the data from the Corporate Asset Register and have been checked to ensure that they are still relevant. The confidence grade of the data will remain the same as the previous year. Any new data will have adhered to the NIW Code of Practice for the submission of asset data ensuring that data quality levels have been maintained throughout the year.

This figure has not been calculated from Lines 1 to 11; it has been extracted using the process outlined in the methodology using data extracted from the Corporate Asset Register.

**Line 15 – Total length of 'critical' sewers**

The same estimation techniques have been used as in previous years and are still dependent on 3rd party datasets. The analysis performed assesses the criticality of the sewers based on size, material and depth attributes of the sewer and its location in regard to structures, roads, railways and watercourses. This is a desktop exercise based on the location and attributes of each sewer as per the definition of critical sewers in the WRc Sewerage Rehabilitation Manual. Due to the reliance on 3rd party datasets for this analysis, sewer criticality grading for individual sewers may change from previous submissions and therefore the change in total length of critical sewers may not fully align with the new critical sewers figure in T16 L3. As the result of the analysis is an estimation the confidence grade of C3 will remain in place.

This figure has not been calculated from Lines 2 to 7; it has been extracted using the process outlined in the methodology using data extracted from the Corporate Asset Register.

**Lines 16a & 16b - Number of unsatisfactory intermittent discharges**

This line refers to Unsatisfactory Intermittent Discharges (UIDs) confirmed by NIEA Statement of Need within the terms of the Guidelines to the UWWT Directive.

| Asset Type | Total number of NIW unsatisfactory discharging assets (UIDs) (Table 16) | Total number of NIW discharging assets (Table 17) |
|---|---|---|
| **Number of intermittent discharges excluding CSOs (NIEA)** | 481 | 1,723 |
| **Number of intermittent discharges CSOs (NIEA)** | 461 | 721 |
| **Total** | 942 | 2,444 |

**Commentary for AIR24 Figures**

- 16a figures refer to the number of unsatisfactory discharges from WwTW Boundary CSOs and Wastewater Pumping Station emergency overflows (WwPS EROs).
- 16b figures refer to the total number of unsatisfactory discharges from Combined Sewer Overflows (CSOs).
- Reported AIR24 figures are accurate as of March 2024, based on NIW's online Discharge Register. Any NIEA Statement of Need (SoN) received after this date shall be reported within AIR25 figures.
- Figures are based on NIW and PPP owned assets, therefore un-adopted and third party assets are not included within reported figures.
- WwPS with overflow subtype "none" are excluded from Table 16 reporting as they do not have an overflow and therefore do not discharge to the environment.
- Percentage breakdown of discharge status against the total number of NIW and PPP owned discharging assets:
  - 39% Unsatisfactory (confirmed by NIEA Statement of Need)
  - 11% Satisfactory
  - 52% To be determined
- UIDs which have been resolved within AIR24 (between March 2023 and March 2024) are reported within Table 40a.

**Lines 17a and 17b – Number of Intermittent Discharges**

This line refers to Intermittent Discharges on the sewerage system.

| | Asset Type | Total No. NIW discharging Assets |
|---|---|---|
| **17a** | Number of WwPS & WwTW CSOs | 1,723 |
| **17b** | Number of Network CSOs | 721 |
| | Total | 2,444 |

**Commentary for AIR24 Figures**

- 17a figure includes emergency overflows at Ww pumping stations, WwTW boundary overflows and storm tank discharges.
- AIR24 figures accurate as of 14/05/2024 as appearing on NIW Discharge Register. Statements of Need received after May 2024 shall be included within AIR25 figures.
- 17a&b include all discharges irrespective of status i.e. satisfactory, unsatisfactory, to be determined.

The confidence grade for these lines is B2 and is consistent with L16a&b as both share same data source.

**Drainage Area Plans**

**Line 18 – Cumulative number of drainage area plans completed.**

A Drainage Area Plan (DAP) is undertaken in four stages:

- Stage 1 – Catchment Planning
- Stage 2 – Model Build and Verification
- Stage 3 – Risk Identification
- Stage 4 – Interventions

For the purposes of Line 18, a DAP is considered to have been "completed" at the end of Stage 4 – Interventions.

As such, there has been a total of **137** DAPs completed since 2003. This comprises:

- 107 Drainage Areas where an initial new DAP was completed (including 29 in the last reporting year from 1st April 2023 to 31st March 2024 since the AIR23 submission),
- 30 Drainage Areas where the previous original DAP studies were repeated.

A breakdown of how many initial new DAPs were completed during various PC periods is provided below:

- Pre-PC10 (since 2003) = **9**
- PC10 = **10**
- PC13 = **10**
- PC15 = **43** (inc. 12*)
- PC21 = **35** (inc.18*)

(*There were a total of 12+18 = **30** DAPs completed that were repeats of a previous study, as described above).

Since the AIR23 submission, between 1st April 2023 and 31st March 2024 there have been 29 DAPs completed, these being:
Annalong DA
Annsborough DA
Antrim DA
Armagh DA
Ballyclare DA
Ballyrickard DA
Belfast DA
Cookstown DA
Culmore DA
Dromore Down DA
Dundrum DA
Enniskillen DA
Kilrea DA
Kinnegar DA
Kircubbin DA
Larne DA
Maghera DA
Magherafelt DA
Markethill DA
Newcastle DA
North Coast DA (Coleraine)
North Coast DA (Portrush)
North Coast DA (Portstewart)
North Down DA (Bangor)
North Down DA (Millisle)
Omagh DA
Stewartstown DA
Strabane DA
Waringstown DA

It is observed that, although a DAP is not considered to be fully “complete” until the end of Stage 4 (Interventions), the DAP process delivers a verified hydraulic model (and associated outputs) by the end of Stage 2 (Model Build and Verification). These data-rich deliverables are used extensively throughout NI Water to inform key decision-making. Therefore, a DAP

does not need to be formally considered as “complete” before providing substantial benefits to NI Water and other stakeholders.

It is considered that the Line 18 figure of 137 includes recounts of 30 repeated DAPs. If these were discounted it would result in an amended value of 107, which would describe the actual number of catchments with a completed DAP study, and as a result could provide a more realistic figure to take forward to the Line 21 determination (see Line 21 comments below). Currently, the unamended Line 18 figure of 137 could artificially skew the Line 21 figure.

**Line 19 – Number of drainage area plan studies in progress at the report end of the report year**

There are **34** drainage area plans currently being progressed and scheduled for completion during PC21.

There were 29 DAPs completed since AIR23 as noted in the Line 18 comments.

There were no DAPs initiated since AIR23.

There was 1 DAP study descoped from AIR 23, Ballykinler DA.

There are also an additional **36** DAPs which are planned to be undertaken and completed during PC21.

Therefore, it is planned that a total of **103** DAPs will be completed by the end of PC21. This would be the most DAPs delivered by NIW during a PC period and is nearly double the previous maximum delivered (55 DAPs during PC15).

**Line 20 – Total sewerage drainage areas**

It is noted that the Line 20 Methodology defines any catchment above 250 PE as a “Drainage Area”; however, this definition does not align with current industry guidance about minimum catchment sizes for undertaking a formal DAP. Typically, a DAP would normally only be progressed for a drainage area with a PE of 2000 or more.

There are currently **251** Drainage Areas with a PE greater than or equal to 250.

**Line 21 – Cumulative % drainage area plan studies completed.**

Line 21 is calculated automatically from figures in Line 18 and Line 20.

**Line 22 - % population/properties covered by completed studies.**

PE figures are obtained from Table 40b which receives PE figures from WwTW Headroom Capacity tables. With regards to year on year changes the following updates are applied to WwTW catchment PE figures

- Trade effluent returns – provided by the Trade Effluent Section based on billed/measured trade
- Catchment population studies – undertaken as part of a capital project or an onsite review by WW Asset Strategy team. This would include the applying of the average household size from NISRA, which may result in an overall reduction.
- The inclusion of new pointer address nodes that have been added to NI Water’s GIS system within the reporting year – this is a report generated by our Asset Information team.

The application of the above updates may result in an increase or decrease of PE.

Currently, the number of completed DAPs accounts for **78.23%** of the entire sewer network.

By the end of PC21, the number of completed DAPs will account for **95.3%** of the entire sewerage network.

Line 20 comments have noted that, as per industry guidance, a DAP will only normally be undertaken for catchments with a PE of 2000 or above. Therefore, current limitations in modelling practice will prevent achieving 100% DAP coverage of the entire sewer network, as the network includes drainage areas beneath the 2000 PE threshold.

To address this limitation there is a programme of Rural Model Builds being undertaken, which aims to provide basic model coverage for smaller-scale catchments under 2000 PE (i.e. under the PE threshold for a full DAP study).

There have been 112 Rural Models completed to date, with a further 53 more planned within PC21.

**Lines 23 – 25 Sewage treatment compliance measures**

**Introduction**

The Northern Ireland Environment Agency (NIEA) issues Water Order Consents (WOC) which set out legally binding conditions under which discharges to the aquatic environment are permitted. NI Water has in the order of 1500 WOC's covering all Waste Water Treatment Works (WWTW), Water Treatment Works and sewerage systems.

NIEA assesses compliance on a calendar year basis, against WOC and UWWTR standards to give the "official" compliance figure. However, to inform Management of progress on achieving Key Performance Indicators (KPI's) and address any potential problems, monthly reports are produced. In 2023 the KPI's related to wastewater treatment performance were:

- The percentage of WWTW serving more than 250 Population Equivalent (PE) compliant with the WOC and Urban Wastewater Treatment Regulations (UWWTR).
- The percentage PE served by compliant WWTW

**Changes carried forward for AIR 24**

1. For AIR 24 data the base for the WWTW in service aligns with the compliance figures of the KPI outturn and NIEA compliance assessment, which reports on all works in service at the start of the calendar year.
2. The PE data used to populate this table are the PE's derived by the Capital Maintenance Planning Team (Wastewater) for the AIR 22 Return. These same PE's were also used to calculate the number of audit samples required per site for the 2023 reporting year and agreed with (NIEA).
3. Only WWTW serving greater than 250PE with numeric standards are included. No qualifying works were excluded from the assessment, with all regulatory samples having been sampled and analysed for the regulatory parameters.
4. The list of WWTW for AIR 24 contains a number of works which have crossed sampling thresholds. Table 1, which indicates the sampling frequencies associated with WWTW PE's, is provided below.

**Table 1 – Sampling Frequency Table**

| PE | Sampling Frequency |
|---|---|
| <250 PE | 0 |
| 250 – 4,999 PE | 12 |
| 5,000 – 49,999 PE | 24 |
| >50,000 PE | 48 |

If the PE of a WWTW causes a reduction in sampling frequency, NIEA require evidence to justify the change. Evidence is required in the form of results of a flow and load survey or daily inlet sample results for a period of preferably one year but no less than six months. Table 2 indicates the WWTW affected by sampling frequency threshold changes and is provided overleaf.

**Table 2 – Sampling Frequency Threshold Changes**

| Works Name | PE | PE Supplied by Asset Management | Threshold Being Crossed |
|---|---|---|---|
| Donaghmore | 2058 (2020) | 1928 | 2,000 |
| Dromore (Tyrone) | 2032 (2014) | 1867 | 2,000 |
| Garvagh | 2023 (2020) | 1990 | 2,000 |
| Garvaghy | 260 (2022) | 225 | 250 |

The figures in brackets refer to the year that the sample scheduling PE data, agreed with NIEA, was applied to each of the works in Table 2, in the absence of flow and load data.

5. Only NI Water operated WWTW are included in assessment.

**How the compliance is measured**

**Line 23 – Percentage of WWTW discharges compliant with numeric consents**

The WOC specifies the number of samples to be taken per year and the parameters which have to be determined. A WWTW may fail if the required numbers of samples are not taken or the full range of parameter's are not determined.

Compliance for each WWTW was assessed on a parameter basis over a calendar year using the Look-Up Tables (LUT) of the Urban Waste Water Treatment Regulations (NI) 1995. This statistically derived methodology permits a certain number of exceedances, based on the number of samples taken, for each parameter included in the WOC e.g. where 24 samples are taken, three exceedances of each parameter are permitted. When this number of exceedances is surpassed a WWTW is deemed to fail. Table 3 in Appendix 1 details the relevant section of the Look-Up Table.

A number of WWTW have an additional clause in the consent known as an Upper Tier Limit (UTL) on the sanitary parameters of Biological Oxygen Demand (BOD, Suspended Solids (SS) and Ammonia ($NH_4$). One exceedance of this standard will lead to the WWTW failing for the year.

The WOC standards are contained in the Laboratory Information Management System (LIMS) and the audit sample results are automatically assessed against the standard. LIMS generates a standard report listing all WWTW with numeric standards and indicating the number of exceedances and whether the works has passed or failed. The LIMS report is accessed through:

Sample Manager/ Reporting / Sewage Reports / NIEA Monthly Reports / All sites

A small number of WWTW have nutrient standards, nitrogen and/or phosphorus, although these are assessed on an annual average. While LIMS calculates a running average, which is displayed in the report referred to previously, it does not have the facility to compare this against a standard. This requires that the average is compared manually on an ongoing basis with the WOC standard. All standards can be viewed on SharePoint at:

Asset Management/Environmental Regulation/Wastewater and Waste/Tracking/Consent database over 250 consent

Exceedances can be discounted from compliance assessment should NI Water be able to demonstrate to NIEA that, at the time of the exceedance, a works was not under normal operating conditions. The definitions of abnormal operating conditions are given in Appendix 1 but NIEA may permit discounts under other conditions e.g. skewing of performance through too many samples being lifted in a short period caused by the rescheduling of samples. Should a sample be discounted, it must be replaced by another sample taken on the same day of the week in agreement with NIEA. A replacement sample when entered on LIMS will register automatically on the compliance report.

NIEA can also issue interim time banded standards during capital upgrades of a WWTW. This is a more relaxed standard applicable for a specified period over which construction work may disrupt the normal treatment processes. When this time banded standard is entered in LIMS it is taken account in the production of the compliance report.

At monthly intervals (for the KPI and Board Reports) and at the end of the calendar year, the number of WWTW which have passed their numeric WOC was calculated as a percentage of the total number of works to determine the compliance with the target.

**Line 23 Calculations – Taken from AIR 24 Calculation Spreadsheet**

No. of NI Water Only WWTW's = 233
No. of failing NI Water Only works = 15
No. of passing NI Water Only works = 218

218/233 x 100 = 93.56%
Reported to one decimal place = **93.6%**

**Line 24 – Percentage of Total PE Served by WWTW's Compliant with Numeric Consents**

The PE served by compliant WWTW was calculated as a percentage of the PE served by the total number of WWTW. As referred to above it should be noted that Upper Tier Limits (UTL) were applied in determining this compliance. The figure reported is based on the total population.

**Line 24 Calculations – Taken from AIR 24 Calculation Spreadsheet**

PE of failing NI Water Only works = 114315
Total PE of NI Water Only works = 1968009
PE of passing NI Water Only works = 1853694

1853694/ 1968009 x 100 = 94.19
Reported to one decimal place = **94.2%**

**Line 24a – Percentage of total PE served by WwTWs compliant with numeric consents excluding upper tier failures**

The PE served by compliant WWTW was calculated as a percentage of the PE served by the total number of WWTW. As referred to above it should be noted that Upper Tier Limits (UTL) were not applied in determining this compliance. The figure reported is based on the total population.

**Line 24a Calculations – Taken from AIR 24 Calculation Spreadsheet**

PE of failing NI Water Only works (Exc. UT) = 18209
Total PE of NI Water Only works = 1968009
PE of passing NI Water Only works = 1949800

1949800/1968009 x 100 = 99.07
Reported to one decimal place = **99.1%**

The data reported in this table was new for AIR16. As more information is developed in future AIR reporting cycles, further commentary can be developed on emerging trends for these measures.

The application of confidence grade A1 to lines 24 and 24a is considered appropriate as these lines are reporting a percentage of total consented PE values, the values of which are agreed with NIEA. The change from C5 to A1 was made in response to the Reporter's recommendation in AIR15 commentary that a much higher confidence grade should be applied to these lines.

Kinnegar WWTW has been handed back to NI Water ownership at end April 2024, following the completion of a 25-year Public Private Partnership contract. In AIR25, this works will be reported as an NI Water works.

**Line 25 - Small WwTW compliance (works greater than or equal to 20 p.e. but less than 250 p.e.)**

A new compliance measure was introduced for PC15 for small works in the band 20 – 249 population equivalent (p.e.). This measure is directly linked to delivery of small works under the Rural Wastewater Improvement Project (RWIP) project. All sites to be upgraded under RWIP are agreed with NIEA. The starting position for compliance projections throughout PC15 was based on NIEA's assessment of works as passing or failing in calendar year 2013. Compliance was projected to improve year on year through delivery of works agreed with NIEA for upgrade via the RWIP project.

**Lines 26-28 - Nominated Sewerage Services Outputs**

Refer to Table 40a for detailed commentary on these lines.

**Line 29 - CSO Monitoring**

NI Water has installed 124 monitors in 23/24.

The confidence grade is unchanged at B2

**Line 30 – WWTW's upgraded to comply with PPC Regulations**

There are currently 29 qualifying works reported for this measure. In agreement with NIEA the PPC permit for Sion Mills WwTW was surrendered in May 2017 as the site was treating significantly less sludge than the PPC permitted daily limit of 49.3 $m^3/d$ and a PLC inhibitor was installed.

During 2024/25, NI Water will continue to work with NIEA to identify potential additional sites for PPC permit surrender, which are in a similar position to Sion Mills.

Improvement works have been carried out at a number of sites under the PC21 Year 3 Base Maintenance Programme. These improvement works include PPC compliance measures such as odour abatement unit media replacement, sludge thickener replacements, refurbishment of sludge import screens, replacement of odour control unit blowers, replacement of sludge holding tanks and replacement of poly dosing plants.

Stage 1 odour modelling reports were completed in November 2023 for Annsborough and Bushmills WwTW, and stage 2 reports were completed in July 2023 for Ballynahinch and Saintfield WwTW.

**Wastewater Sampling contract**

We continue to employ a sampling contractor, RPS, to collect and transport wastewater regulatory samples to our in-house laboratory for analysis. RPS operate under United Kingdom Accreditation Service ISO 17025 quality standards and are subject to annual external audits.

A Remote Sampler App is overseen by our LIMS team and is deployed to strengthen sampling chain of custody from point of sampling through to the Laboratory Sample Reception.

**Line 31 Impermeable Surface Area**

NI Water removed 137,676m2 of impermeable surface water from the combined sewerage system in 23/24.

| Project No. | Project Name | Impermeable Surface removed |
|---|---|---|
| KR588 | Ravenhill Avenue, Belfast, Flood Alleviation | 86,200 |
| KI629 | First Time Services Programme | 25,022 |
| KI653 | First Time Services Run Rates Year 1 | 1,486 |
| KB552 | Ballyronan WwTW | 2,135 |
| KN676 | Woodside Avenue Omagh Storm Sewer | 13,743 |
| KI674 | Stormwater Separation Development Output for PC21 (Year 1-3) | 4,790 |
| KB562 | Carrickfergus UID's Marine Highway Area | 4,300 |
| | **Total** | **137,676** |

The confidence grade is unchanged at B2.

**Lines 32-35 – PC15 and PC21 Additional Sewerage Service Output Measures**

Refer to Table 40a for detailed commentary on these lines.

## APPENDIX 1

## NORMAL OPERATING CONDITIONS UNUSUAL SITUATIONS AND NORMAL LOCAL CLIMATIC CONDITIONS

### 1. THE REGULATIONS' TERMINOLOGY

1.1 The term "normal operating conditions" is used in paragraph 4(b) of Part II of Schedule 3; the phrase "unusual situations such as those due to heavy rain" is used in paragraph 5 of Part II of Schedule 3; "normal local climatic conditions" are referred to in regulation 4(4)(a).

### 2. INTERPRETATION

2.1 In order to assist in interpreting the weather conditions that might be considered to be abnormal or unusual; a definition of exceptional weather conditions is given below, together with an example of what might be considered to be other kinds of abnormal or unusual operating conditions.

2.2 The abnormal conditions set out below include capital works construction and periods of industrial action. Both are being considered by the Regulatory Committee, along with other possible exceptions suggested by other Member States. An amendment to this guidance note will be issued in the light of any guidance from the Regulatory Committee.

### 2.3 Definitions

2.3.1 For the purpose of this *registered standard / consent* the works shall be deemed to have been under 'normal operating conditions' except during a period when the following apply:

a. 'Unusual weather conditions' which shall include the following:
   i) low ambient temperature as evidenced by effluent temperature of 5$^{o}$C or less, or by the freezing of mechanical equipment in the works;
   ii) significant snow deposits;
   iii) fluvial flooding;
   iv) weather conditions causing unforeseen loss of power to the works which could not be ameliorated by the reasonable provision and operation of standby generator facilities.

b. A reduction in the level of treatment due to periods of industrial action or acts of vandalism that could not have been reasonably prevented.

c. When the Regulator has issued a variation of the registered standard for reasons such as construction of capital works.

**NORTHERN IRELAND WATER LIMITED - ANNNUAL INFORMATION RETURN**

**ANNUAL INFORMATION RETURN - TABLE 17a SEWERAGE EXPLANATORY FACTORS**
**SEWERAGE SUB - AREA EXPLANATORY FACTORS (TOTAL)**

| | | | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **DESCRIPTION** | **UNITS** | **DP** | **AREA 1** | **CG** | **AREA 2** | **CG** | **AREA 3** | **CG** | **AREA 4** | **CG** | **AREA 5** | **CG** | **AREA 6** | **CG** | **AREA 7** | **CG** | **AREA 8** | **CG** | **Total** | **CG** |
| **A** | **SEWERAGE SUB AREAS GENERAL** | | | | | | | | | | | | | | | | | | | | |
| | Area name:- | | | | | | | | | | | | | | | | | | | | |
| 1 | Annual average resident connected population | 000 | 1 | | | | | | | | | | | | | | | | | 1,563.6 | C3 |
| 2 | Annual average non-resident population | 000 | 1 | | | | | | | | | | | | | | | | | 32.9 | C3 |
| 3 | Volume of sewage collected (daily average) | Ml/d | 1 | | | | | | | | | | | | | | | | | 360.6 | B2 |
| 4 | Total connected properties | nr | 0 | | | | | | | | | | | | | | | | | 748,297 | A2 |
| 5 | Area of Sewerage District | $km^2$ | 0 | | | | | | | | | | | | | | | | | 13519 | B2 |
| **B** | **SEWERAGE DATA** | | | | | | | | | | | | | | | | | | | | |
| 6 | Total length of sewer | km | 0 | | | | | | | | | | | | | | | | | 16611 | B3 |
| **C** | **Costs** | | | | | | | | | | | | | | | | | | | | |
| 7 | Sewerage: Direct Costs | £000 | 0 | | | | | | | | | | | | | | | | | 22,993 | |
| 8 | Sewerage: Power Costs | £000 | 0 | | | | | | | | | | | | | | | | | 9,421 | |
| 9 | Sewerage: Service Charges | £000 | 0 | | | | | | | | | | | | | | | | | 4 | |
| 10 | Sewerage: General & Support Expenditure | £000 | 0 | | | | | | | | | | | | | | | | | 13,563 | |
| 11 | Sewerage: Functional Expenditure | £000 | 0 | | | | | | | | | | | | | | | | | 36,556 | |

## Table 17a Sewerage Explanatory Factors- Sewerage Sub-Area Explanatory Factors

### Line 1 - Annual average resident connected population (Total)

The guidance for Table 17a includes the following text:
*"Companies must check that the following data are consistent. Companies must explain in the commentary any reasons why this data is not consistent.*

- *Annual average resident connected population in table 17a (line 1, 'total' column) plus annual average non-resident population in table 17a (line 2, 'total' column) should equal the total connected population in table 13 (line 10)"*

NI Water has not calculated the Total Annual Average Resident Connected Population independently of the Total Annual Average Non-Resident Population and the Total Connected Population. Instead, the Company has used the consistency check *(above)* to derive the Total Annual Average Resident Connected Population.

- According to AIR24: Table 13: Line 10, the total connected population (comprising resident and non-resident population) is 1,596.587 x $10^3$
- According to AIR24: Table 17a: Line 2, the annual average non-resident population is 32.943 x $10^3$
- By calculation, the annual average resident connected population = 1,596.587 x $10^3$ - 32.943 x $10^3$ = **1,563.644 x $10^3$**

**Significant year on year changes in reported figures including an explanation of any factors that may have influenced the figure**

| AIR22 | Confidence Grade | AIR23 | Confidence Grade | AIR24 | Confidence Grade |
|---|---|---|---|---|---|
| 1,549.9 x $10^3$ | C3 | 1,560.1 x $10^3$ | C3 | **1,563.6 x $10^3$** | **C3** |

The estimated annual average resident sewerage connected population has increased from 1,560.1 x $10^3$ in AIR23 to 1,563.6 x $10^3$ in AIR24, an increase of 3.5 x $10^3$ *(0.22%)*.

### Confidence Grade

There are two figures associated with the calculation of AIR24: Table 17a: Line 1: Column 9. The first figure is derived from AIR24: Table 13: Line 10 and was allocated a confidence grade of B3. The second figure is derived from AIR24: Table 17a: Line 2: Column 9 and was allocated a confidence grade of C3. Since the lower of the two confidence grades is C3, a confidence grade of **C3** has been allocated to Table 17a: Line 1: Column 9.

### Line 2 - Column 9 - Annual average non-resident population (Total)

| AIR22 | Confidence Grade | AIR23 | Confidence Grade | AIR24 | Confidence Grade |
|---|---|---|---|---|---|
| 20.6 x $10^3$ | C3 | 33.6 x $10^3$ | C3 | **32.9 x $10^3$** | **C3** |

NI Water has included holiday and tourist population connected to the sewerage system, averaged over the year.

NI Water has not included any allowance for daily commuters or day visitors.

## Changes in Methodology

### Background

The methodology for calculating the average non-resident sewerage population relies heavily on the ability to source a figure from available tourism statistics for the number of **non-resident visitor nights**. In the past, this figure has been available for either the most recent calendar year *(as in the case of AIR17)* or the first three quarters of the most recent calendar year *(as in the case of AIR18, AIR19 and AIR20)* but not the financial year in question.

These limitations have caused NI Water to base its reporting of the average non-resident sewerage population on a calendar year and to estimate the number of non-resident visitor nights in the calendar year when the figure has not been readily available. Estimates are based on the assumption that there is a direct relationship between the number of non-resident visitor nights and the occupancy figures for hotels and small service accommodation.

### AIR24 Methodology

**Continuing Impact of Covid-19 Pandemic on Northern Ireland Tourism Statistics**

Tourism data is derived from a variety of sources and the COVID-19 pandemic has had a significant effect. Due to data collection issues and the quality and quantity of some data, NISRA has suspended National Statistics status for tourism data until further notice. As such, the latest full National Statistics annual accredited publication is still the 2019 edition. National Statistics status guarantees the highest standards of trustworthiness, quality and public value.

In view of the circumstances highlighted above, NI Water has continued to use the last available National Statistics accredited figure for non-resident visitor nights i.e. the figure for the 12-month period from January to December 2019 and has estimated the annual number of non-resident visitor nights in 2023.

### Impact of Change in AIR24 Methodology on Reported Outturn

The change in methodology described above is not believed to have had a significant impact on the reported outturn. This can be illustrated by examining the impact that an estimate has on the calculation for Jul 18 to Jun 19 when the estimate is based on the established relationship between non-resident visitor nights and bed-spaces sold.

**Ref:** Tables 1.3 and 1.2 of the NISRA publications '*Northern Ireland Tourism Statistics Tables (2011 – 2020)'* dated 18/02/2021.

Total bed-spaces sold (Jul 18 to Jun 19) = 4,645,321

Estimated non-resident visitor nights (Jul 18 to Jun 19) =
4,645,321 x 2.473 = 11,486,354

**Ref:** Country of Residence worksheet of the NISRA publication *'Northern Ireland Tourism Statistics Microdata (January 2011 – December 2019)'* dated 22/09/2020.

- *'Estimated Overnight Trips taken in Northern Ireland by Country of Residence, Q1 2011-Q4 2019'*

Actual non-resident visitor nights (Jul 18 to Jun 19) = 12,098,471
Difference between actual and estimate =
12,098,471 - 11,486,354 = 612,116

Percentage difference = 612,116 / 12,098,471 x 100 = 5%

As the difference between the actual and estimate is within the tolerance of any previously assigned confidence grading for this measure i.e. between 1% and 5%, this is deemed to be a suitable method for estimating the number of non-resident visitor nights.

**Statement detailing estimation method used including date of data on which estimate is made**

**Assumption:** There is a direct relationship between bed-spaces sold and non-resident visitor nights.

**Ref:**
- *Northern Ireland Monthly Hotel Occupancy – Table 3 (Publication Date: 11/04/24)*
- *Northern Ireland Small Service Accommodation Occupancy – Table 2 (Publication Date: 11/04/24)*

Total bed-spaces sold (Jan 19 to Dec 19) = 4,778,202
Total bed-spaces sold (Jan 23 to Dec 23) = 4,862,802

**Ref:** Country of Residence worksheet of the NISRA publication *'Northern Ireland Tourism Statistics Microdata (January 2011 – December 2019)'* dated 22/09/2020.

- *'Estimated Overnight Trips taken in Northern Ireland by Country of Residence, Q1 2011-Q4 2019'*

Non-resident visitor nights (Jan 19 to Dec 19) = 11,814,924
11,814,924 / 4,778,202 = 2.473

Estimated non-resident visitor nights (Jan 23 to Dec 23) =
4,862,802 x 2.473 = 12,024,113

Annual average non-resident population = 12,024,113 / 365 nights = **32,943**

In obtaining the estimated number of visitor nights, NI Water has avoided the assumption specified in the guidance of *'a two-thirds occupancy rate of estimated bed-spaces available for non-residents for four months in the year'*.

**Significant year on year changes in reported figures including an explanation of any factors that may have influenced the figures**

The AIR19 Reporter recommended that in the absence of a published figure for the number of non-resident visitor nights for the year in question, NI Water was to recalculate the Winter Population when a published figure became available and include an update on the impact of any change in the commentary for the following year.

Unfortunately, it has not been possible to recalculate the AIR23 outturn ahead of AIR24 as the most recently published figure for the number of non-resident visitor nights is still the figure for 2019 which was used to recalculate the AIR20 outturn and which was used to estimate the AIR21 to AIR24 outturns. NI Water will recalculate the historical outturns when the corresponding numbers of non-resident visitor nights are confirmed by NISRA.

Last year, the Company reported a Table 17A Line 2 outturn of 33.6 x $10^3$. Based on the AIR24 outturn of 32.9 x $10^3$, the estimated annual average non-resident sewerage population has decreased by 0.7 x $10^3$ *(2.08%)*. This decrease can be attributed to a decrease in the number of non-resident visitor nights. The 2024 estimate was 12,024,113 compared to the 2023 estimate of 12,274,761.

**Factors impacting on tourism and winter population trends**

Risks to the tourism outlook remain amid turmoil in the financial sector, persistently high core inflation, uncertainty around the impact of Russia's invasion of Ukraine and the aftermath of three years of COVID.

According to Issue 7 of the Tourism Northern Ireland publication 'Tourism $360^0$':

- Cost-of-living pressures, interest rate hikes and an uncertain economic future continue to take their toll on the tourism industry, with many consumers remaining cautious and spending less.
- The guesthouse, guest accommodation and B&B sector has been progressing better than hotels in its recovery from the effects of the pandemic.
- In the first quarter of 2023, international tourist arrivals reached 80% of pre-pandemic levels with strong results expected for the summer season, backed by robust pent-up demand, the sustained recovery of air connectivity, and the reopening of China and other major Asian markets and destinations.
- At the time of publication, the World Travel and Tourism Council were forecasting that by the end of 2023, nearly half of the 185 countries would have either fully recovered to pre-pandemic levels or would be within 95% of full recovery.

**Confidence Grade**

The annual average non-resident sewerage population is an estimate based on several sources of information:

1. The NISRA publications *'Northern Ireland Monthly Hotel Occupancy' and 'Northern Ireland Small Service Accommodation Occupancy'* provide only an estimate of the monthly numbers of bed-spaces sold, based on the extrapolation of data for a representative sample group of establishments.
2. The NISRA publication *'Northern Ireland Tourism Statistics Microdata (January 2011 – December 2019)'* provides only an estimate of the quarterly numbers of non-resident visitor nights, based on sample surveys. The estimate therefore has an associated degree of sampling error, determined both by the sample design and by the sample size. Sample surveys include the Northern Ireland Passenger Survey (NIPS) conducted by the Northern Ireland Statistics and Research Agency (NISRA), the Survey of Overseas Travellers (SOT) conducted on behalf of Fáilte Ireland and the Household Travel Survey (HTS) conducted by Central Statistics Office (CSO).

NI Water has assigned a confidence grade of **C3** to account for known deficiencies in the reliability and accuracy of the reported figure. Although there have been changes in the methodology, data confidence is still believed to be comparable to previous years.

At the time of reporting on AIR24, the most recent non-resident visitor nights figure available was for 2019 and a figure for 2023 had to be estimated. When reporting on AIR25, NI Water will recalculate the AIR24 outturn if a published figure for 2023 is available.

**Line 3 – Volume of Sewerage Collected**

This figure has been copied from AIR23 Table 14 Line 7 – Volume Waste Water Returned.

**Line 4 – Total Connected Properties**

NI Water's data on property counts and classifications is reported monthly from RapidXtra within the Rapid Property Summary (RPS). The data is extracted from the Diamond Warehouse via Microsoft SQL Server to produce the RPS report.

Our AIR22 methodology has remained consistent with previous years – using the automated Property Model tool to populate the Table 17a Line 4 figure (this was first introduced in AIR12 – the RPS as the input).

The RPS provides us with a snapshot at the end of each month in terms of net movement; however it alone does not support in the explanation of gross movements within the data. With this in mind, during the 23/24 reporting year the C&O Services MI & Data Team explored the use of Power BI to re-create the RPS with a drill down function to display the gross movement. The Power BI property models developed take their direct feed from the Diamond Warehouse in order to refresh. These models provide us with information on gross movements and allow us to 'slice and dice' the data from various angles, providing invaluable insights. The plan is to further enhance and incorporate these models across the business during 2024/25.

Customer/Property information is updated through:

- BAU ('business as usual') customer contacts, such as new connection requests, customer move in/move outs, or
- through Data Quality initiatives/Projects, and/or
- Metering work streams e.g. UNHH (Selectives), Optants, and Proactive Meter Exchange etc.

Under the Water & Sewerage Services (2006) Order, NI Water were required to install meters on all new household connections from April 2007. This practice has stopped as directed by a change in legislation, which took effect in July 2016. The legislation was amended by Regulations, which in effect relieved NI Water of the obligation to install meters at newly connected domestic properties. As domestic customers are not charged on a measured basis, the property is reported as unmeasured. Some domestic properties were initially reported as measured in AIR10 but this was rectified as per the erratum to AIR10. Depending on the basis for charging when domestic billing is introduced, these customers can be activated as measured household if required.

The difference between the AIR23 and the AIR24 figures is 5514. The breakdown can be explained as follows:

1. New Connections during the 2023/24 reporting year. The figures are based on data supplied by our Customer Connections Team and represent completed connections during the reporting year. The projections for New Connections remain in line with the agreed PC21 forecasts, however, if we notice an upturn or downturn, we will review and amend (during the compilation of the Principal Statement)

2. Added as a result of a customer contact. i.e. septic tank empty request, no water complaint, blocked sewer, updating of standing data e.g. removal of services etc. Within this category there are 2 scenarios:
    (a) The adding of properties NI Water allegedly did not know about
    (b) The adding of duplicates as the customer's address could not be found on Rapid. Rapid may hold the site number but when the customer contacts NI Water, they quote the verified postal address, which is different, therefore creating a duplicate. The street name may also have changed from the time of New Connection to that of customer contact (street names can change in the early stages of site development).
3. Removal/reclassification of properties as a result of data quality initiatives/projects
    a. Duplicate properties
    b. Reclassification of properties that were recorded in error
4. Change in occupancy status – movement from void/vacant to occupied and vice-versa.

For NI Water, accurate property data is fundamental for many systems and processes, including customer service, metering, billing, consumption, leakage and Major Incident Planning & Response. The Rapid Customer Contact System contains the master property data for NI Water.

As Data Owner for Property Standing Data, The Head of C&OD Services is responsible for the property standing data held by NI Water; this is monitored and managed through the Corporate Property Register (CPR) Project. The C&OD Business Services MI & Data Team chair this group.

The role of the CPR project is to agree a single consistent source of property data and to ensure that there is appropriate governance, controls and reporting for changes made to core data on the system. As Property Data Owners, we need to ensure the processes around creation, maintenance and demolition of properties are governed and appropriate control points and associated reporting are in place. Control is key for us; as such we have identified the systems, processes and people using property information across the business, alongside confirming data accuracy and endeavouring to reduce the opportunities for erroneous data entry and creation (such as the inability to recreate demolished properties or duplicate properties).

The issues under consideration were identified as of corporate relevance, therefore, to ensure appropriate direction and governance the CPR was formalised. Key objectives include:

1. To agree a single consistent source of property data.
2. To ensure the source property data represents accurate, up-to-date information appropriate for use by the business.
    a. To understand and agree data primacy in respect of data updates from NI Water and external (Land & Property Services - LPS) sources
    b. To ensure the processes around creation (i.e. New Connections), maintenance and demolition of properties are governed and appropriate control points and associated reporting are in place. i.e. through data validation
    c. To co-ordinate property reconciliations between NI Water & external sources i.e. Data Sharing Agreements between NI Water & LPS, NI Water & Belfast City Council (BCC) etc and understand the reasons and validity of any differences

   d. To understand and ensure the adequacy of long term procedures for database maintenance, including the updating of data standards and associated CDE M&M Plans
3. To ensure the reporting requirements for the business are met relating to data held on Rapid, particularly, but not exclusively, in respect of tariffs, leakage, Annual Information Returns (AIR) & Principal Statement (PS) returns.
4. Challenge the data in the areas of
   a. Data categorisation & structure
   b. Data robustness – i.e. where is our data good and where is there opportunity for improvement? Identify projects that could aid improvement
   c. Data alignment – both internally and externally. Internally between systems such as Rapid, Ellipse, GIS, Diamond, Netbase, IMS etc. Externally through data reconciliations, such as LPS above.
5. To agree measures to improve the quality and integrity of the data, particularly the key CDEs as monitored by IMU
6. To agree the content and frequency of reports required by NI Water.
7. To agree the quality checking criteria for the above data and reporting and develop a Quality Plan including the determination of responsibilities and audit trails.
8. To produce & circulate an 'operate and maintain' programme for property data to the business.

The focus for the CPR project remains the same, including analysis and action on:

- Creation of an agreed single consistent source of property information, running alongside the CBC3 timelines
- Volume of properties coming onto the Rapid billing system on a monthly basis
  - new connections
  - customer contact
  - project work
- Volume of properties coming off the Rapid billing system (demolished)
  - sample check to ensure reason for demolition has been noted and on system audit trail recorded
- Volume of properties amended on the Rapid billing system
  - In particular, address fields -> building number, street name, town and postcode
  - sampling to identify if the data changes are data improvement or data regression
  - if data regression, further analysis into the process is undertaken
- Review of access privileges
  - Rapid audit
  - Through monthly audit samples
  - Internal CRs require sign off from CPR team as BAU
  - Working with Echo to review access privileges on an ongoing basis
- Interruptions to supply notices – returned mail
  - This returned mail has been previously brought to the attention of LPS and include properties that LPS have classified as live properties despite being returned as 'no such address' etc
  - The 2 way communication with LPS will help underpin our governance work and provide direction to the business on practices

Annex A details the Line Methodology followed to produce the figures for Table 17a Lines 3-4.

**Line 5 - Area of sewerage district**

The figure provided equates to the total land mass of Northern Ireland excluding major bodies of inland water. The same LPS product has been used to determine the Area of Sewerage District as was used in the previous AIR submission. There remains only one sewerage district for all of Northern Ireland. The confidence grade of the data will remain the same as the previous year.

**Line 6 - Total length of sewer**

There has been no change to the structure of the data reported on this year from the previous years that would directly affect the totals provided. The same queries have been used to extract the data from the Corporate Asset Register and have been checked to ensure that they are still relevant. The confidence grade of the data will remain the same as the previous year. Any new data will have adhered to the NIW Code of Practice for the submission of asset data ensuring that data quality levels have been maintained throughout the year.

**Lines 7-11**

The overall approach and allocation process for Table 17a has not changed since AIR08. There are still some limitations, and it has not been possible to fully complete the Information Returns for 2023-24. Work is ongoing, through the Cost to Serve Project. Cost to Serve is not fully implemented and therefore could not be used for AIR24. The figures populated in Column 9 have been taken from Table 22 (NIW only).

**Line 7 – Direct Costs**

It is not yet possible to split the costs into areas. A total figure has been supplied in Column 9 which agrees to the direct sewerage costs in Table 22, column 1 line 9. See Table 22 commentary. Direct Costs have decreased by circa £0.9M from AIR23.
The main reason for this was decreased power costs (see below) and increased Employment Costs.

**Line 8 – Power Costs**

The figure for Power costs agrees to Table 22, line 2 column 1. See Table 22 commentary. Power costs have decreased by £1.9M from AIR23 due to decreased energy tariffs.

**Line 9 – Services Charges**

The figure for Service Charges agrees to Table 22, line 7 column 1. They are minimal for AIR24.

**Line 10 – General & Support**

The figure for General & Support expenditure agrees to Table 22, line 10 column 1. See Table 22 commentary and methodology. These costs have increased by £3.5m from AIR23.

**Line 11 – Functional Expenditure**

This is a calculated cell and is the total of line 7 and line 10. This figure agrees to Table 22, line 11 column 1. The costs in this line have increased by approx. £2.6m since AIR23. This is due to the combination of lower power costs, higher Employment Costs and high General and Support Costs.

**Annex A Table 4 Lines 6-8 - Total Connected Properties**

Total properties connected for sewerage services (including voids) at year end.

This figure is taken from the AIR24 Rapid Property Summary, as attached.

RPS March 24.xlsx

| Total Gross Sewerage Properties | End March 2024 |
|---|---|
| Household – Unmeasured | 665311 |
| Household - Sewerage Only | 10 |
| Household – Measured - Not Charged (test meters) | 3 |
| Household – Measured | 34460 |
| Household – Site Meters | 3067 |
| Household - Unmeasured - Not Charged | 13 |
| Non-Household - Unmeasured | 13671 |
| Non-Household – Sewerage only | 19 |
| Non-Household - Measured | 31743 |
| **Total** | **748297** |

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 17b SEWERAGE EXPLANATORY FACTORS
SEWAGE TREATMENT WORKS - LARGE WORKS INFORMATION DATABASE (NIW Only

| | DESCRIPTION | UNITS | DP | TOTAL | 1 | CG | 2 | CG | 3 | CG | 4 | CG | 5 | CG | 6 | CG | 7 | CG | 8 | CG | 9 | CG | 10 | CG | 11 | CG | 12 | CG | 13 | CG | 14 | CG | 15 | CG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Works Name | | | | Belfast | | Culmore | | Ballymena | | Whitehouse | | North Coast | | Newry | | Lisburn | | Antrim | | Dunmurry | | Omagh | | Dungannon | | Newtownbreda | | Carrickfergus | | Enniskillen | | Larne | |
| A | **WORKS SIZE** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Population equivalent of total load received | 000 | 0 | 1,528 | 562 | C5 | 168 | C5 | 83 | C5 | 111 | C5 | 83 | C5 | 65 | C5 | 75 | C5 | 67 | C5 | 51 | C5 | 38 | C5 | 101 | C5 | 37 | C5 | 32 | C5 | 27 | C5 | 28 | C5 |
| B | **EFFLUENT CONSENT STANDARD** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Suspended solids consent | mg/l | 0 | | 50 | A1 | 50 | A1 | 25 | A1 | 50 | A1 | 50 | A1 | 50 | A1 | 15 | A1 | 20 | A1 | 25 | A1 | 50 | A1 | 40 | A1 | 30 | A1 | 50 | A1 | 30 | A1 | 50 | A1 |
| 4 | BOD5 consent | mg/l | 0 | | 30 | A1 | 30 | A1 | 15 | A1 | 30 | A1 | 30 | A1 | 30 | A1 | 10 | A1 | 10 | A1 | 10 | A1 | 30 | A1 | 25 | A1 | 15 | A1 | 30 | A1 | 20 | A1 | 30 | A1 |
| 5 | COD consent | mg/l | 0 | | 125 | A1 | 125 | A1 | 125 | A1 | 125 | A1 | 125 | A1 | 125 | A1 | 125 | A1 | 125 | A1 | 125 | A1 | 125 | A1 | 125 | A1 | 125 | A1 | 125 | A1 | 125 | A1 | 125 | A1 |
| 6 | Ammonia consent | mg/l | 1 | | | | 10.0 | A1 | 3.0 | A1 | | | | | | | 2.5 | A1 | 15.0 | A1 | 2.5 | A1 | 10.0 | A1 | 7.0 | A1 | 5.0 | A1 | | | 10 | A1 | | |
| 7 | Phosphates consent | mg/l | 1 | | | | | | 1.0 | A1 | | | | | | | 2.0 | A1 | 1.0 | A1 | 2.0 | A1 | 2.0 | A1 | 1.0 | A1 | 2.0 | A1 | | | 1 | A1 | | |
| C | **TREATMENT CATEGORY** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Classification of Treatment Works | | | | TA2 | | SAS | | TA2 | | TA2 | | SAS | | SAS | | TA2 | | TA2 | | TA2 | | TA2 | | TA2 | | TA2 | | TA2 | | TA2 | | TA2 | |
| D | **COSTS** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | Direct cost | £000 | 0 | 9,015 | 1,931 | | 533 | | 588 | | 547 | | 417 | | 691 | | 569 | | 481 | | 502 | | 307 | | 772 | | 401 | | 427 | | 403 | | 446 | |
| 10 | Power costs | £000 | 0 | 6,555 | 1,704 | | 513 | | 467 | | 399 | | 321 | | 430 | | 436 | | 344 | | 291 | | 158 | | 448 | | 264 | | 256 | | 231 | | 293 | |
| 11 | Service Charges | £000 | 0 | 222 | 17 | | 0 | | 13 | | 14 | | 5 | | 20 | | 14 | | 15 | | 22 | | 15 | | 30 | | 14 | | 18 | | 9 | | 16 | |
| 12 | General and support expenditure | £000 | 0 | 5,241 | 397 | | 0 | | 302 | | 336 | | 108 | | 481 | | 318 | | 353 | | 524 | | 353 | | 714 | | 339 | | 429 | | 212 | | 375 | |
| 13 | Functional expenditure | £000 | 0 | 14,256 | 2,328 | | 533 | | 890 | | 883 | | 525 | | 1,172 | | 887 | | 834 | | 1,026 | | 660 | | 1,486 | | 740 | | 856 | | 615 | | 821 | |
| 14 | Estimated terminal pumping costs | £000 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | Estimated sludge costs | £000 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

## Table 17b – Sewerage Explanatory Factors (NIW only)
## Sewage Treatment Works – Large Works Information Database

**Lines 1- 8**

NI Water has a number of sites which fall into the Band 6 category and are to be reported within this submission.

The WWTW to be reported on for AIR24 are:

| LIMS Code | LIMS Name | Confirmed PE | AIR21 Band | BOD WOC | BOD UWWTR |
|---|---|---|---|---|---|
| S15AO | Antrim (Milltown) WWTW | 67432 | Band 6 | 10 | 25 |
| S13BE | Ballymena (Tullaghgarley) WWTW | 82586 | Band 6 | 15 | 25 |
| S34AK | Belfast WWTW | 562029 | Band 6 | 30 | 25 |
| S34AG | Carrickfergus WWTW | 31556 | Band 6 | 30 | 25 |
| S43CI | Culmore WWTW | 168186 | Band 6 | 30 | 25 |
| S25AC | Dungannon (Moygashel) WWTW | 100682 | Band 6 | 25 | 25 |
| S37AB | Dunmurry WWTW | 51060 | Band 6 | 10 | 25 |
| S47HK | Enniskillen WWTW | 27162 | Band 6 | 20 | 25 |
| S15BS | Larne WWTW | 27558 | Band 6 | 30 | 25 |
| S37AA | Lisburn (New Holland) WWTW | 74756 | Band 6 | 10 | 25 |
| S27AC | Newry WWTW | 64578 | Band 6 | 30 | 25 |
| S34AD | Newtownbreda WWTW | 37175 | Band 6 | 15 | 25 |
| S17HF | North Coast WWTW | 82593 | Band 6 | 30 | 25 |
| S45IB | Omagh WWTW | 38024 | Band 6 | 30 | 25 |
| S34AE | Whitehouse WWTW | 111038 | Band 6 | 30 | 25 |

No assumptions have been made for the return.

All consents reported have both BOD and SS as part of the consent as issued by Northern Ireland Environment Agency (NIEA).

There are no consents for ammonia by itself without accompanying BOD and SS consents.

The consent conditions as issued by NIEA are based on 95%ile limits.
For the purposes of reporting the WOC BOD limit has been reported for all WWTW's. It should be noted that in some instances, the UWWTR BOD limit of 25mg/l is lower, as identified in the table above.

For reference, the works in Band 5 which have the potential to be included in subsequent returns are listed here:

| LIMS Code | LIMS Name | Confirmed PE | AIR21 Band |
|---|---|---|---|
| S17ED | Ballycastle | 12831 | Band 5 |
| S15AA | Ballyclare | 20324 | Band 5 |
| S17BP | Ballymoney | 22416 | Band 5 |
| S27AA | Banbridge | 24344 | Band 5 |
| S25AB | Coalisland | 10825 | Band 5 |
| S13CH | Cookstown | 23254 | Band 5 |
| S36AA | Downpatrick | 18909 | Band 5 |

| LIMS Code | LIMS Name | Confirmed PE | AIR21 Band |
|---|---|---|---|
| S34AH | Greenisland | 13424 | Band 5 |
| S36BB | Kilkeel | 14044 | Band 5 |
| S43GI | Limavady | 16603 | Band 5 |
| S13GK | Magherafelt | 19279 | Band 5 |
| S36BO | Newcastle | 17426 | Band 5 |
| S45JA | Strabane | 22492 | Band 5 |
| S27AN | Tandragee | 10020 | Band 5 |
| S27AD | Warrenpoint | 15808 | Band 5 |

**Lines 9-15**

This table was populated in the same way as AIR23. The costs are a further breakdown by location of the Band 6 expenditure detailed in Table 17f line 6. It is populated with the information available for the year ended 31 March 2024. The Population Equivalent (PE) information used to complete this table was received from Asset Delivery on 29th May 2024. No PPP costs are included in this table.

**Line 9 – Direct Costs**

Direct costs include power 521x, contractors 531x, other contractors 532x, materials 541x, chemicals 548x, cost reallocations 611x (this includes direct labours costs and & overhead charges) and service charges.
In AIR24 there are 15 works that fall into Band 6, which is the same as AIR23.
Direct costs have decreased by approx. £2.8M from AIR23. This is mainly due to decreased Power Costs.

**Line 10 – Power Costs**

Through the cost to serve project all power costs are allocated to individual sites and a report was taken from EAM to get the full year power cost per WWTW's. The power costs have decreased by £2.5M since AIR23 (see Table 22 commentary). Belfast WWTW's was treated separately as there is one electricity meter at Duncrue Street which includes the costs for the Belfast WWTW's and the two Incinerators operated by PPP. The power team supplied an estimated 51:49 split between the Belfast WWTWs and the Incinerators (based on an estimated KWhr usage and a number of sub-meters) which has been used to calculate the amount relating to Sewage Treatment at Belfast WWTW's. The split in AIR23 was 44:56 for the Belfast and Incinerators. No costs for the Incinerator have been included in this table in AIR24.

**Line 11 – Service Charges**

Service Charges for AIR24 are in line with AIR23

**Line 12 – General & Support**

The total general & support expenditure was taken from Table 22 line 10 column 2 (see Table 22 methodology and commentary). This figure was apportioned across all the WWTWs in this table based on the cost reallocations 611X (this includes direct labours costs & overhead charges). There is a small increase £0.1m for AIR24 from AIR23. See commentary on Table 22 for further breakdown and explanation.

**Line 13 – Functional Expenditure**

This is a calculated line and is the total of line 9 and line 12. The total in the workings agrees to Table 22 (NIW Only) column 2 line 11. Costs have decreased by £2.7M since AIR23 (see commentary above).

**Line 14 – Terminal Pumping Costs**

This information was populated in the same way as AIR23. No Power costs for Terminal Pumping Stations have been included in the table.

**Line 15 – Sludge Costs**

Sludge treatment is a separate activity in the accounts and the direct costs are not included in line 9 to line 13.

**NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN**

**ANNUAL INFORMATION RETURN - TABLE 17c SEWERAGE EXPLANATORY FACTORS**
**SEWAGE TREATMENT WORKS - NUMBERS (NIW Only)**

| | DESCRIPTION | UNITS | DP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | TREATMENT CATEGORY | | | | | | | | | | TOTAL |
| | | | | | SECONDARY | | TERTIARY | | | | SEA OUTFALLS | | | |
| | | | | PRIMARY | ACTIVATED | BIOLOGICAL | A1 | A2 | B1 | B2 | PRELIMINARY TREATMENT | SCREENED | UNSCREENED | |
| **A** | **SMALL WORKS** | | | | | | | | | | | | | |
| 1 | Number of STWs in size band 1 | nr | 0 | 236 | 17 | 514 | 0 | 0 | 3 | 2 | 0 | 0 | 4 | 776 |
| 2 | Number of STWs in size band 2 | nr | 0 | 0 | 5 | 36 | 3 | 1 | 9 | 6 | 0 | 0 | 0 | 60 |
| 3 | Number of STWs in size band 3 | nr | 0 | 1 | 13 | 47 | 6 | 12 | 15 | 8 | 2 | 0 | 1 | 105 |
| 4 | Number of STWs in size band 4 | nr | 0 | 1 | 15 | 7 | 2 | 15 | 2 | 4 | 3 | 1 | 0 | 50 |
| 5 | Number of STWs in size band 5 | nr | 0 | 0 | 5 | 0 | 2 | 7 | 0 | 1 | 0 | 0 | 0 | 15 |
| **B** | **LARGE WORKS** | | | | | | | | | | | | | |
| 6 | Number of STWs in size band 6 | nr | 0 | 0 | 3 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 15 |
| 7 | Total numbers of STWs | nr | 0 | 238 | 58 | 604 | 13 | 47 | 29 | 21 | 5 | 1 | 5 | 1021 |
| **C** | **SMALL WORKS WITH AMMONIA CONSENTS** | | | | | | | | | | | | | |
| 8 | Number of small STWs with $NH_3$ consent (5 - 10mg/l) | nr | 0 | 44 | | | | | | | | | | |
| 9 | Number of small STWs with $NH_3$ consent (< = 5mg/l) | nr | 0 | 61 | | | | | | | | | | |

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

**ANNUAL INFORMATION RETURN - TABLE 17c SEWERAGE EXPLANATORY FACTORS**
**SEWAGE TREATMENT WORKS - NUMBERS (PPP Only)**

| | DESCRIPTION | UNITS | DP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | TREATMENT CATEGORY | | | | | | | | | | TOTAL |
| | | | | | SECONDARY | | TERTIARY | | | | SEA OUTFALLS | | | |
| | | | | PRIMARY | ACTIVATED | BIOLOGICAL | A1 | A2 | B1 | B2 | PRELIMINARY TREATMENT | SCREENED | UNSCREENED | |
| A | **SMALL WORKS** | | | | | | | | | | | | | |
| 1 | Number of STWs in size band 1 | nr | 0 | | | | | | | | | | | 0 |
| 2 | Number of STWs in size band 2 | nr | 0 | | | | | | | | | | | 0 |
| 3 | Number of STWs in size band 3 | nr | 0 | | | | | | | | | | | 0 |
| 4 | Number of STWs in size band 4 | nr | 0 | | | | 1 | | | | | | | 1 |
| 5 | Number of STWs in size band 5 | nr | 0 | | | | | 1 | | | | | | 1 |
| B | **LARGE WORKS** | | | | | | | | | | | | | |
| 6 | Number of STWs in size band 6 | nr | 0 | | 1 | | | 3 | | | | | | 4 |
| 7 | Total numbers of STWs | nr | 0 | 0 | 1 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 6 |
| C | **SMALL WORKS WITH AMMONIA CONSENTS** | | | | | | | | | | | | | |
| 8 | Number of small STWs with NH3 consent (5 - 10mg/l) | nr | 0 | 0 | | | | | | | | | | |
| 9 | Number of small STWs with NH3 consent (< = 5mg/l) | nr | 0 | 2 | | | | | | | | | | |

**NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN**

**ANNUAL INFORMATION RETURN - TABLE 17c SEWERAGE EXPLANATORY FACTORS**
**SEWAGE TREATMENT WORKS - NUMBERS (Total)**

| | DESCRIPTION | UNITS | DP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | TREATMENT CATEGORY | | | | | | | | | | TOTAL |
| | | | | | SECONDARY | | TERTIARY | | | | SEA OUTFALLS | | | |
| | | | | PRIMARY | ACTIVATED | BIOLOGICAL | A1 | A2 | B1 | B2 | PRELIMINARY TREATMENT | SCREENED | UNSCREENED | |
| **A** | **SMALL WORKS** | | | | | | | | | | | | | |
| 1 | Number of STWs in size band 1 | nr | 0 | 236 | 17 | 514 | 0 | 0 | 3 | 2 | 0 | 0 | 4 | 776 |
| 2 | Number of STWs in size band 2 | nr | 0 | 0 | 5 | 36 | 3 | 1 | 9 | 6 | 0 | 0 | 0 | 60 |
| 3 | Number of STWs in size band 3 | nr | 0 | 1 | 13 | 47 | 6 | 12 | 15 | 8 | 2 | 0 | 1 | 105 |
| 4 | Number of STWs in size band 4 | nr | 0 | 1 | 15 | 7 | 3 | 15 | 2 | 4 | 3 | 1 | 0 | 51 |
| 5 | Number of STWs in size band 5 | nr | 0 | 0 | 5 | 0 | 2 | 8 | 0 | 1 | 0 | 0 | 0 | 16 |
| **B** | **LARGE WORKS** | | | | | | | | | | | | | |
| 6 | Number of STWs in size band 6 | nr | 0 | 0 | 4 | 0 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 19 |
| 7 | Total numbers of STWs | nr | 0 | 238 | 59 | 604 | 14 | 51 | 29 | 21 | 5 | 1 | 5 | 1027 |
| **C** | **SMALL WORKS WITH AMMONIA CONSENTS** | | | | | | | | | | | | | |
| 8 | Number of small STWs with NH3 consent (5 - 10mg/l) | nr | 0 | 44 | | | | | | | | | | |
| 9 | Number of small STWs with NH3 consent (< = 5mg/l) | nr | 0 | 63 | | | | | | | | | | |

# Table 17c Sewage Treatment Works Numbers

## NIW only

It should be noted that the banding of the WWTWs is based on the latest Populations Equivalents minus tourist PEs (i.e. hotels and caravan parks only as information does not exist on proportion of PE to commuters). PEs for 102 WWTWs (which were live during AIR24) have been updated.

Changes regarding WWTWs from the AIR23 period are as follows:

- 3 WWTWs have been upgraded and achieved operational beneficial use in the last financial year – i.e. Derrycrin, Mountfield, Pomeroy WwTW ;
- 4 WWTWS had achieved 'operational beneficial use' under the RWwIP project (Eglish (Armagh), Lisnamuck(Coleraine), Tirquin, Tursallagh) ;

There has been no net decrease of WWTWs from AIR23 reporting, with 1021 WWTW live on 31st March 2024.

The total number of WWTWs in Table 17c line 7 is the total of all works in this table i.e. 1,021 including the screened outfalls (2 No.) and the unscreened outfalls 5 No). The number of WWTWs in Table 15 line 8 is 1,015 as the screened and unscreened outfalls are not to be included in the total for this line.

The UR Chapter 17c guidance also requests the following cross check to be carried out, which has been completed:

- The number of large WWTWs in each treatment category in table 17c (line 6, columns 1-10) should equal the corresponding total number of large WWTWs reported in table 17b (line 8) – which for AIR24 is 15 No WWTWs.

It should be noted that the AIR24PEs, used to populate tables 17c and 17d, were forwarded to others within the organisation who are responsible for the population of tables 17b and 17f, which should ensure consistency of reporting.

It should be noted that the Residential PE for most of the NIW WWTWs has been derived from GIS pointer data and that inaccuracies do exist in that some residential properties are labelled as commercial or industrial, and visa-versa.

The Reporters report for AIR09 recommended that a consistent approach for population figures used in the 17 series tables should be adopted. The population figures used in Table 17c are the same as in 17d. These figures have also been supplied to the other parts of the business which populate Tables 17a, 17b & 17f etc., so population figures should be consistent.

With reference to the WWTWs in Size Band 1:

- the number of WWTWs with a PE less than or equal 100 (excluding tourist PE) is 691, and
- the number of WWTWs with a PE greater than 100 but less than or equal to 250 (excluding tourist PE) is 85.

The table below highlights the changes in band sizes from AIR23 to AIR24.

| Name of Works | CAR ID | AIR23 Band Sizes | AIR24 Band Sizes | Comment |
|---|---|---|---|---|
| Martinstown | S01445 | Band 3 | Band 2 | PE Study by APT |

The table below highlights the changes in treatment category from AIR23 to AIR24.

| Name of Works | CAR ID | AIR23 Treatment Category | AIR24 Treatment Category | Comment |
|---|---|---|---|---|
| Derrycrin | S01567 | Ter B1 | Sec Bio | BU (17/11/2023,RBC treatment for FA) |
| Tursallagh | S03235 | Sec Act | Sec Bio | RWwIP output, Design PE increased, BU (Date TBC) RBC |

**Difference between AIR23 and AIR24 for total in Table 17c (column 11, row 7)**

| | |
|---|---|
| **Total Number of Works for AIR23 -** | **1,021** |
| **Total Number of Works for AIR24 -** | **1,021** |
| **Total Difference -** | **0** |

With reference to lines 8 and 9, data regarding the ammonia consents of the Small WWTWs (Bands 1 to 5 inclusive) was obtained from a spreadsheet of standards obtained from the Environmental Regulation Team.

Changes to lines 8 and 9 of this table, from AIR23 to present are summarised below:

| Line | NrAIR23 | Nr AIR24 | Difference | Comment |
|---|---|---|---|---|
| 8 | 44 | 44 | 0 | No consent changes during AIR23 with regards to Line 8<br><br>Net change - zero |
| 9 | 61 | 61 | 0 | No consent changes during AIR23 with regards to Line 9<br>Net Change -zero |

It is to be noted that NIEA did not recognise the AIR15 PEs for the WWTWs in the table below and will probably not recognise the updated AIR23 PEs for these sites, for compliance reporting. They view the PEs in the last column of the table as the PEs to be used for the latter. NIEA require daily flow and load studies for a full year to substantiate drops in PE which cross UWWTD boundaries i.e. 2000pe, 50,000pe and 100,000pe. These flow and load studies were not identified in the PC21 Business Plan submission and are not currently prioritised for inclusion in the capital works programme.

| WWTWs | Site ID | AIR24 Actual PE | Actual PE recognised by NIEA |
|---|---|---|---|
| Dromore (Tyrone) | S03083 | 1,868.5 | 2,032 |
| Donaghmore | S02840 | 1,862.3 | 2,058 |

**PPP**

**Lines 1-6**

There are no changes from AIR23. The category of Richill STW remains Category 4 as adjusted in AIR20.

**Line 9**

There are no changes from AIR23. The category of Richill STW remains Category 4 as adjusted in AIR20.

**Specific required commentary**

- There are no doubts about the classification of any of the PPP works.
- The data is consistent with the data provided on Table 15 Line 8 (PPP Only) table.
- Based on the calculated loads treated at the PPP sewage works in the AIR24 Reporting period, there are no size band 1 PPP works on which to provide extra detail.

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

**ANNUAL INFORMATION RETURN - TABLE 17d SEWERAGE EXPLANATORY FACTORS**
**SEWAGE TREATMENT WORKS - LOADS (NIW Only**

| | DESCRIPTION | UNITS | DP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | TREATMENT CATEGORY | | | | | | | | | | | |
| | | | | | SECONDARY | | TERTIARY | | | | SEA OUTFALLS | | | | |
| | | | | PRIMARY | ACTIVATED SLUDGE | BIOLOGICAL | A1 | A2 | B1 | B2 | PRELIMINARY TREATMENT | SCREENED | UNSCREENED | TOTAL | CG |
| A | **SMALL WORKS** | | | | | | | | | | | | | | |
| 1 | Load received by STWs in size band 1 | kg $BOD_5$/day | 0 | 145 | 79 | 1,501 | 0 | 0 | 61 | 24 | 0 | 0 | 14 | 1,823 | C3 |
| 2 | Load received by STWs in size band 2 | kg $BOD_5$/day | 0 | 0 | 130 | 751 | 69 | 20 | 191 | 130 | 0 | 0 | 0 | 1,291 | C3 |
| 3 | Load received by STWs in size band 3 | kg $BOD_5$/day | 0 | 77 | 1,060 | 2,721 | 331 | 916 | 1,023 | 656 | 307 | 0 | 42 | 7,132 | C3 |
| 4 | Load received by STWs in size band 4 | kg $BOD_5$/day | 0 | 354 | 3,879 | 1,421 | 400 | 4,392 | 346 | 1,156 | 932 | 217 | 0 | 13,097 | C3 |
| 5 | Load received by STWs in size band 5 | kg $BOD_5$/day | 0 | 0 | 4,716 | 0 | 1,784 | 8,063 | 0 | 1,157 | 0 | 0 | 0 | 15,720 | C3 |
| B | **LARGE WORKS** | | | | | | | | | | | | | | |
| 6 | Load received by STWs in size band 6 | kg $BOD_5$/day | 0 | 0 | 18,922 | 0 | 0 | 72,664 | 0 | 0 | 0 | 0 | 0 | 91,585 | C3 |
| 7 | Total loads rec'd (daily average all size bands) | kg $BOD_5$/day | 0 | 576 | 28,784 | 6,394 | 2,583 | 86,055 | 1,620 | 3,124 | 1,239 | 217 | 56 | 130,647 | C3 |
| C | **SMALL WORKS WITH AMMONIA CONSENTS** | | | | | | | | | | | | | | |
| 8 | Load rec'd by small STW w. $NH_3$ consent (5 - 10mg/l) | kg $BOD_5$/day | 0 | 5,133 | | | | | | | | | | | |
| 9 | Load rec'd by small STW w. $NH_3$ consents (< = 5mg/l) | kg $BOD_5$/day | 0 | 14,987 | | | | | | | | | | | |

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 17d SEWERAGE EXPLANATORY FACTORS
SEWAGE TREATMENT WORKS - LOADS (PPP Only)

| | DESCRIPTION | UNITS | DP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | TREATMENT CATEGORY | | | | | | | | | | | |
| | | | | | SECONDARY | | TERTIARY | | | | SEA OUTFALLS | | | | |
| | | | | PRIMARY | ACTIVATED SLUDGE | BIOLOGICAL | A1 | A2 | B1 | B2 | PRELIMINARY TREATMENT | SCREENED | UNSCREENED | TOTAL | CG |
| A | SMALL WORKS | | | | | | | | | | | | | | |
| 1 | Load received by STWs in size band 1 | kg BOD5/day | 0 | | | | | | | | | | | 0 | 0 |
| 2 | Load received by STWs in size band 2 | kg BOD5/day | 0 | | | | | | | | | | | 0 | 0 |
| 3 | Load received by STWs in size band 3 | kg BOD5/day | 0 | | | | | | | | | | | 0 | 0 |
| 4 | Load received by STWs in size band 4 | kg BOD5/day | 0 | | | | 134 | | | | | | | 134 | B3 |
| 5 | Load received by STWs in size band 5 | kg BOD5/day | 0 | | | | | 843 | | | | | | 843 | B3 |
| B | LARGE WORKS | | | | | | | | | | | | | | |
| 6 | Load received by STWs in size band 6 | kg BOD5/day | 0 | | 5,358 | | | 15,312 | | | | | | 20,670 | B3 |
| 7 | Total loads rec'd (daily average all size bands) | kg BOD5/day | 0 | 0 | 5,358 | 0 | 134 | 16,155 | 0 | 0 | 0 | 0 | 0 | 21,647 | B3 |
| C | SMALL WORKS WITH AMMONIA CONSENTS | | | | | | | | | | | | | | |
| 8 | Load rec'd by small STW w. NH3 consent (5 - 10mg/l) | kg BOD5/day | 0 | 0 | | | | | | | | | | | |
| 9 | Load rec'd by small STW w. NH3 consents (< = 5mg/l) | kg BOD5/day | 0 | 977 | | | | | | | | | | | |

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 17d SEWERAGE EXPLANATORY FACTORS

SEWAGE TREATMENT WORKS - LOADS (Total)

| | DESCRIPTION | UNITS | DP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | TREATMENT CATEGORY | | | | | | | | | | | |
| | | | | | SECONDARY | | TERTIARY | | | | SEA OUTFALLS | | | | |
| | | | | PRIMARY | ACTIVATED SLUDGE | BIOLOGICAL | A1 | A2 | B1 | B2 | PRELIMINARY TREATMENT | SCREENED | UNSCREENED | TOTAL | CG |
| A | SMALL WORKS | | | | | | | | | | | | | | |
| 1 | Load received by STWs in size band 1 | kg BOD5/day | 0 | 145 | 79 | 1,501 | 0 | 0 | 61 | 24 | 0 | 0 | 14 | 1,823 | C3 |
| 2 | Load received by STWs in size band 2 | kg BOD5/day | 0 | 0 | 130 | 751 | 69 | 20 | 191 | 130 | 0 | 0 | 0 | 1,291 | C3 |
| 3 | Load received by STWs in size band 3 | kg BOD5/day | 0 | 77 | 1,060 | 2,721 | 331 | 916 | 1,023 | 656 | 307 | 0 | 42 | 7,132 | C3 |
| 4 | Load received by STWs in size band 4 | kg BOD5/day | 0 | 354 | 3,879 | 1,421 | 534 | 4,392 | 346 | 1,156 | 932 | 217 | 0 | 13,231 | C3 |
| 5 | Load received by STWs in size band 5 | kg BOD5/day | 0 | 0 | 4,716 | 0 | 1,784 | 8,906 | 0 | 1,157 | 0 | 0 | 0 | 16,563 | C3 |
| B | LARGE WORKS | | | | | | | | | | | | | | |
| 6 | Load received by STWs in size band 6 | kg BOD5/day | 0 | 0 | 24,280 | 0 | 0 | 87,976 | 0 | 0 | 0 | 0 | 0 | 112,255 | C3 |
| 7 | Total loads rec'd (daily average all size bands) | kg BOD5/day | 0 | 576 | 34,142 | 6,394 | 2,717 | 102,210 | 1,620 | 3,124 | 1,239 | 217 | 56 | 152,294 | C3 |
| C | SMALL WORKS WITH AMMONIA CONSENTS | | | | | | | | | | | | | | |
| 8 | Load rec'd by small STW w. NH3 consent (5 - 10mg/l) | kg BOD5/day | 0 | 5,133 | | | | | | | | | | | |
| 9 | Load rec'd by small STW w. NH3 consents (< = 5mg/l) | kg BOD5/day | 0 | 15,964 | | | | | | | | | | | |

# Table 17d - Sewage Treatment Works Loads

**NIW only**

It should be noted that the banding of the WWTWs is based on the latest Population Equivalent minus tourist PEs (i.e. hotels and caravan parks only as information does not exist on proportion of PE to commuters). PEs for 102 WWTWs (which were live during AIR24) have been updated.

The allowance for the tourist population, which has been deducted for the purposes of band size determination, has been the proportion of PE allocated to hotels, and caravan and tent pitches only. No deduction has been made for commuters as such information has not been captured.

The loads reported in this table are the sums of the loads received by each WWTWs or outfall in each particular category, and hence include the proportion of PE allocated to hotels, and caravan and tent pitches. Hence the loads reported in this table include the non-resident population.

1,021 WWTWs were reported on in Table 17d for AIR24. This represents a decrease of 0 in the number of WWTWs being reported from AIR23 to AIR24.

The Water and Sewerage Services (NI) Order 2006 designated that the discharge from hospitals, nursing homes & clinics should no longer be considered as Trade Effluent, therefore for AIR24 these have been removed from the Trade Effluent Submission. For the majority of hospitals a certain % of hospital discharges have been included due to discharges from x-ray departments and bathing pools. The PEs for the hospitals has been factored up to 100% of their total discharge to give a more accurate figure of load discharging to the sewerage network.

We have assumed the Bands to be:

**Small works**

a. size band 1 <= 15kg BOD5/day (population equivalent: 0 - 250)
b. size band 2 >15 but <= 30kg BOD5/day (population equivalent: 251 - 500)
c. size band 3 >30 but <= 120kg BOD5/day (population equivalent: 501 – 2,000)
d. size band 4 >120 but <= 600kg BOD5/day (population equivalent: 2,001 –10,000)
e. size band 5 >600 but <= 1500kg BOD5/day (population equivalent: 10,001 – 25,000)

**Large works**

f. size band 6 > 1500kg BOD5/day. (population equivalent: > 25,000)

It should be noted that the bandings of b, c, d and e above are slightly different from those listed in the UR Chapter 17c guidance, to ensure no duplication of works which may have 250, 500, 2000 or 10,000 PE.

The total number of WWTWs in Table 17c line 7 is the total of all NIW only works in this table i.e. 1,021 including the screened outfalls (1 No.) and the unscreened outfalls (5 No.).

The Reporters Report on AIR09 recommended that NIW correct possible overestimation of total WWTW loads due to the inclusion of offices/commercial premises. The majority of the residential and non-residential element of PEs used to calculate tables 17c and 17d was based on Pointer information from MapInfo.

However, it should be noted that the non-residential element of Pointer is made up of both commercial and unknown properties. At this present time it is not known what proportion of the unknowns are actually residential and which are non-residential and therefore it has been decided to include both elements when calculating the PEs for the band sizes.

It is difficult to estimate the proportion of load at a WWTW due to commuters, or the load which should be deducted from/added to a particular WWTW due to population commuting out of/into the catchments, which that WWTW serves. Hence no allowance to WWTWs loads has been made either way for Table 17d.

The only allowance made for newly connected properties is where a population studies have been carried out for a drainage catchment during the reporting year and the recommendations have been considered and agreed upon. Where a population study has not been completed for a drainage catchment no allowance has been made for newly connected properties. It should be noted that some drainage catchments may not have had a population review undertaken for several years. Going forward the exercise explained under 'Future Improvement' above will address this shortfall.

The confidence grades of the data in lines 1 - 7 remain as C3 as stated in AIR20.

The reporter also recommended in AIR11 that significant variances in load of WWTWs (i.e. greater than 15%) should be investigated. Below is a table detailing these sites and the reason for the change in PEs. There are 5 no. WWTWs included in the table.

| **Name of Works** | **CAR ID** | **AIR23 Actual PE** | **AIR24 Actual PE** | **Difference* *(-ve indicates AIR23 figure larger)** | **Comments** |
|---|---|---|---|---|---|
| Ardglass (WWTW) | S00268 | 2441.6 | 3124.8 | 683.2 | TE Update |
| Blackstaff (Septic Tank) | S00219 | 34.2 | 26.0 | -8.2 | Population report completed by RWwIP |
| Carran Hill (WWTW) | S02256 | 11.3 | 14.2 | 2.8 | Actual PE updated with pointer data |
| Newry (WWTW) | S02685 | 93088.3 | 64578.4 | -28509.9 | Actual PE updated with pointer data & TE Update |
| Waterfoot Road (WWTW) | S01643 | 220.6 | 168.6 | -52.0 | PE Study by APT |

The AIR definition on treatment categories states that Tertiary A2 can be defined as *Works with a secondary activated sludge process whose treatment methods also include* ***nutrient control using physico-chemical and biological methods****.* Likewise Tertiary B2 can be defined as *Works with a secondary biological process whose treatment methods also include* ***nutrient control using physico-chemical and biological methods.***

NIW has historically oversized secondary assets to meet tight ammonia consents and it is now felt that this falls within the definition of Tertiary Treatment described above i.e. ***nutrient control using physico-chemical and biological methods.*** In total NIW re-designated the treatment category for 33 WWTWs based on this definition for AIR14, changing 22 WWTWs from Sec Act to Ter A2 & 11 from Sec Bio to Ter B2. The treatment categories for these sites remain unchanged, following a review of the ammonia consents and treatment methods for AIR18.

NIW has a number of WWTWs (Belfast, Whitehouse and Carrickfergus) which have a total nitrogen (TN) standard in place, which is applicable to marine discharges, as opposed to an ammonia standard which is applied to freshwater discharges. Treatment category TA2 is applicable to these WWTWs as nutrient control is in place through the biological process.

The total load of 130,647.3kg BOD/day from all NIW (only) WWTWs reconciles with the Total load entering sewerage system (BOD/year) of 47,686.3*t BOD/year*, from Table 15 line 5.

The Total load receiving primary treatment in table 17d (line 7, column 1) of 576.2kg BOD/day is consistent (allowing for rounding up/down and conversions) with total load receiving primary treatment in table 15 (line 3) of 210.3*t BOD/yr.*

The Total load receiving secondary and tertiary treatment in table 17d (line 7, sum of columns 2–7) i.e. 128,559.3kg BOD/day is consistent (allowing for rounding up/down and conversions) with total load receiving secondary treatment in table 15 (line 2) i.e. 46,924.1*t BOD/yr*.

The Total load receiving preliminary treatment in table 17d (line 7, column 8) of 1,238.7kg BOD/day is consistent (allowing for rounding up/down and conversions) with total load receiving preliminary treatment in table 15 (line 4) (both include non-resident population) of 452.1*t BOD/yr.*

The table below depicts changes in PEs at WWTWs from AIR23 to AIR24.
***The following table depicts how PE changes have occurred at WWTWs during the last financial year. Individual changes of 15% or greater listed.***

| Name of Works | CAR ID | AIR23 Actual PE | AIR24 Actual PE | Difference* | AIR23 Band | AIR24 Band | Band Size Change |
|---|---|---|---|---|---|---|---|
| Ardglass (WWTW) | S00268 | 2441.6 | 3124.8 | 683.2 | Band 4 | Band 4 | |
| Blackstaff (Septic Tank) | S00219 | 34.2 | 26.0 | -8.2 | Band 1 | Band 1 | |
| Carran Hill (WWTW) | S02256 | 11.3 | 14.2 | 2.8 | Band 1 | Band 1 | |
| Newry (WWTW) | S02685 | 93088.3 | 64578.4 | -28509.9 | Band 6 | Band 6 | |
| Waterfoot Road (WWTW) | S01643 | 220.6 | 168.6 | -52.0 | Band 1 | Band 1 | |
| Total for WwTW's with less than 15% PE Change | N/A | 2,031,565.4 | 2,109,543.2 | 77977.8 | N/A | N/A | |
| | | TOTAL | | 50093.7 | | | |

The change in PE equates to an increase in load of 3,005.6kg BOD/day (i.e. 50,093.7x 0.06 for 60g/hd/day) from AIR23 to AIR24.

**Difference between AIR24 and AIR23 for the total load entering WWTWs as shown in Table 17d - column 11, row 7**

| | |
|---|---|
| **Total Load Received at WWTWs for AIR24 -** | **130,647.3** |
| **Total Load Received at WWTWs for AIR23 -** | **127,641.7** |
| **Total Difference -** | **3,005.6** |

The differences between the above totals are due to rounding.

The interpretation of the treatment categories is as below:-

| **AIR21 Treatment Category** | **Highest Form of Treatment at WWTWs** | **Treatment Category Abbreviation** |
|---|---|---|
| Primary | Primary Settlement Septic Tank | Prim |
| Secondary Activated Sludge (Whether followed by Final settlement or not) | Oxidation Ditch<br>Extended Aeration<br>Activated Sludge<br>SAF<br>BAF<br>MBR<br>SBR | Sec Act |
| Secondary Biological (Whether followed by Final settlement or not) | Biological Filter<br>RBC<br>RBC Package<br>Bioclere Package ;<br>Reed Bed (If used as secondary treatment stage) | Sec Bio |
| Tertiary A1 | Secondary Activated Sludge processes whose treatment methods also include prolonged settlement in conventional lagoons or raft lagoons, irrigation over grassland, constructed wetlands, root zone treatment (where used as a tertiary stage), drum filters, microstrainers, slow sand filters, tertiary nitrifying filters, Lockertex screens, gravel clarifiers, wedge wire clarifiers or Clariflow installed in humus tanks, where used as a tertiary treatment stage; | Ter A1 |
| Tertiary A2 | Secondary Activated Sludge processes whose methods also include phosphorous reduction, rapid-gravity sand filters, moving bed filters, pressure filters, nutrient control using physico-chemical and biological methods, disinfection, hard COD and colour removal and MBRs were used as a tertiary treatment stage; | Ter A2 |

| AIR21 Treatment Category | Highest Form of Treatment at WWTWs | Treatment Category Abbreviation |
|---|---|---|
| Tertiary B1 | Secondary Biological processes whose treatment methods also include prolonged settlement in conventional lagoons or raft lagoons, irrigation over grassland, constructed wetlands, root zone treatment (where used as a tertiary stage), drum filters, microstrainers, slow sand filters, tertiary nitrifying filters, Lockertex screens, gravel clarifiers, wedge wire clarifiers or Clariflow installed in humus tanks, where used as a tertiary treatment stage; | Ter B1 |
| Tertiary B2 | Secondary Biological processes whose methods also include phosphorous reduction, rapid-gravity sand filters, moving bed filters, pressure filters, nutrient control using physico-chemical and biological methods, disinfection, hard COD and colour removal and MBRs were used as a tertiary treatment stage; | Ter B2 |
| Sea Outfalls | Where a load is discharged to sea having received only Preliminary treatment (including Grit removal and screenings conditioning) or simple screening (Bar Screen) or no screening or no treatment (Includes Retention Tanks) | Sea Out Prel<br>Sea Out Screen<br>Sea Out Unscreen |

**Changes in Line 8 - Small works with ammonia consent (between 5 and 10) from AIR23 to AIR24. Individual changes of 15% or greater listed.**

| Name of Works | CAR ID | AIR23 Actual PE | AIR24 Actual PE | PE Change* | Comments |
|---|---|---|---|---|---|
| Total for WwTW's with less than 15% PE Change | N/A | 87,642.6 | 85,550.0 | -2092.6 | 11no. WwTW's from TE Updates and PE Reviews |
| | | | Total | -2092.6 | |

The change in PE equates to a load change of -125.6kg/d (i.e. -2,092.6 x 0.06 for 60g/hd/day) from AIR23 to AIR24, for line 8.

| | |
|---|---|
| **Total Load rec'd by small WWTWs with NH3 consents (5-10mg/l) for AIR24-** | **5,133.0** |
| **Total Load rec'd by small WWTWs with NH3 consents (5-10mg/l) for AIR23-** | **5,258.6** |
| **Total Difference –** | **-125.6** |

***(-ve Indicates AIR24 PE Lower)**

The differences between the above totals are due to rounding.

**Changes in Line 9 - Small works with ammonia consent (between 0 and 5) from AIR23 to AIR24. Individual changes of 15% or greater listed.**

| Name of Works | CAR ID | AIR23 Actual PE | AIR24 Actual PE | PE Change* | Comments |
|---|---|---|---|---|---|
| Total for WwTW's with less than 15% PE Change | N/A | 247,754.4 | 249,788.2 | 2033.8 | 23no. WwTW's from TE Updates and PE Reviews |
| | | | Total | 2033.8 | |

The change in PE equates to a load change of 122.0kg/d (i.e. 2,033.8 x 0.06 for 60g/hd/day) from AIR23 to AIR24 for line 9.

| | |
|---|---|
| **Total Load rec'd by small WWTWs with NH3 consents (0-5mg/l) for AIR24-** | **14987.3** |
| **Total Load rec'd by small WWTWs with NH3 consents (0-5mg/l) for AIR23-** | **14865.3** |
| **Total Difference -** | **122.0** |

**PPP**

**Lines 1 – 7**

The variation in load data from AIR23 is solely due to the variation in influent loads received by the same PPP works from the NI Water catchments over the AIR24 Period.

The North Down WwTW has experienced a 24.6% Increase in averaged Daily BOD over the entire year, Richhill WwTW has experienced a 12.2% Decrease in averaged Daily BOD over the entire year, while Armagh has seen a Decrease of 10.7%. Ballyrickard has additionally seen a 10.8% Increase in averaged Daily BOD. This issue has been re-checked and the calculations verified. The prevailing rainfall does not provide an explanation, as the AIR24 period experienced 1421.1mm while the AIR23 period experienced 1135.5mm of rainfall which is a 25.1% increase during the AIR24 period when compared with the AIR23 period. The 100-year average [AREAL series] for Northern Ireland is 1100mm.

The Contractor has reported there were no apparent operational reasons for the decreases/increases, although the PPP Contractors are not in control of the upstream catchments to be aware of specific variances. The fact that some works have experienced 12% decreases while some have experienced 24% increases in averaged Daily BOD during the same period demonstrates the variability of loading that can be experienced by WwTW's irrespective of climatic conditions. The Kinnegar WwTW has returned to a more expected loading experience during AIR24 and is more relatable to AIR21 and AIR23, while still showing a reduction of 6.6% from the previous year.

The load attributed to Richhill STW has Reduced from last year, but the Categorisation remains as Category 4.

**Line 9**

The variation in load data is due to the variations as discussed above in influent loads received by the WwTW's over the AIR24 Period.

## Specific company commentary

- The category of Richhill STW is Category 4.
- There are currently the following on-going Capital Works Project at various stages of design, construction and commissioning which could close, or divert flows arriving to, PPP operated works.

| Project | Project name |
|---|---|
| JA341 | Ballinrees WTW Upgrade - Preferred Option Implementation Project |
| KG183 | Portadown Drainage Area Network Improvements - Meadow Lane and Bann Street |
| KI776 | Pump Optimisation at Water & Wastewater Assets |
| KR707 | LWWP - Belfast WwTW phase 0 interim upgrade |
| KS999 | Ballyrickard DA Upper Crescent WwPS |
| KS873 | Bangor DAP Work Package 2: Rathmore Stream UIDs |
| KS874 | Bangor DAP Works Package 3 - Belfast Lough UIDs |
| KI725 | PC27 Sludge strategy |
| KG236 | Annesborough (Lurgan) Wastewater Pumping Main |
| KR689 | Holywood A to Kinnegar PM |
| KS867 | Copeland Road, Comber, Tank Sewer |
| KS913 | Upper Crescent WWPS Upgrade |
| KF396 | Milford WWPS, Armagh, Upgrade. |
| KF397 | Killylea Road WWPS, Armagh, Upgrade. |
| KG129 | Loughgall Road Portadown Storm and Foul Sewer Extensions |
| KR576 | Belfast WWTW PLC Upgrade |
| KI607 | NI Long Term Sludge Strategy |
| KR504 | Portaferry Road, N,Ards WWPS Upgrade |
| KR417 | Ormeau Avenue Sewerage upgrade for pollution resolution |

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 17f SEWERAGE EXPLANATORY FACTORS
SEWAGE TREATMENT WORKS - COSTS (NIW Only)

| | DESCRIPTION | UNITS | DP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | TREATMENT CATEGORY | | | | | | | | | | TOTAL |
| | | | | | SECONDARY | | TERTIARY | | | | SEA OUTFALLS | | | |
| | | | | PRIMARY | ACTIVATED SLUDGE | BIOLOGICAL | A1 | A2 | B1 | B2 | PRELIMINARY TREATMENT | SCREENED | UNSCREENED | |
| A | SMALL WORKS | | | | | | | | | | | | | |
| 1 | Direct costs of STWs in size band 1 | £000 | 3 | 59.362 | 92.079 | 795 513 | | | 24 844 | 24.937 | | | 3.897 | 1,000.631 |
| 2 | Direct costs of STWs in size band 2 | £000 | 3 | | 112 662 | 430 249 | 49.224 | 23 940 | 150 593 | 96.286 | | | | 862.953 |
| 3 | Direct costs of STWs in size band 3 | £000 | 3 | 26.775 | 749.417 | 1,499.124 | 205.364 | 713.704 | 470.734 | 398.542 | 134.857 | | 14.690 | 4,213.207 |
| 4 | Direct costs of STWs in size band 4 | £000 | 3 | 36.986 | 1,365.735 | 273 086 | 72.870 | 2,449.943 | 85 877 | 261.215 | 200.148 | 20.807 | | 4,766.666 |
| 5 | Direct costs of STWs in size band 5 | £000 | 3 | | 805.454 | | 582.605 | 2,413.181 | | 231.780 | | | | 4,033.020 |
| B | LARGE WORKS | | | | | | | | | | | | | |
| 6 | Direct costs of STWs in size band 6 | £000 | 3 | | 1,641.777 | | | 7,373.029 | | | | | - | 9,014.806 |
| C | ALL WORKS | | | | | | | | | | | | | |
| 7 | Total direct costs of STWs - all sizes | £000 | 3 | 123.122 | 4,767.124 | 2,997.971 | 910.062 | 12,973.797 | 732.048 | 1,012.758 | 335 006 | 20.807 | 18.587 | 23,891.283 |
| 8 | Sludge Treatment and Disposal Adjustments | £000 | 3 | | | | | | | | | | | 0.000 |
| 9 | Sewage Treatment: Direct costs | £000 | 3 | 123.122 | 4,767.124 | 2,997 971 | 910.062 | 12,973.797 | 732 048 | 1,012.758 | 335.006 | 20.807 | 18.587 | 23,891 283 |
| 10 | Sewage Treatment: Power costs | £000 | 3 | 14.260 | 3,193.724 | 1,013 020 | 536.869 | 9,136.744 | 201 667 | 483.225 | 42.665 | | 0.790 | 14,622 962 |
| 11 | Sewage Treatment: service charges | £000 | 3 | 10.312 | 136 801 | 191 669 | 29.167 | 368.615 | 51.148 | 51.454 | 25.417 | | 1.641 | 866.226 |
| 12 | Sewage Treatment: General and Support | £000 | 3 | 242.102 | 3,211 683 | 4,573.132 | 684.755 | 8,525.149 | 1,200 811 | 1,208.000 | 596.713 | 55.565 | 38.537 | 20,336.447 |
| 13 | Sewage Treatment: Functional Expenditure | £000 | 3 | 365.224 | 7,978 807 | 7,571.103 | 1,594.817 | 21,498.946 | 1,932.859 | 2,220.759 | 931.719 | 76.372 | 57.125 | 44,227.730 |

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 17f SEWERAGE EXPLANATORY FACTORS
SEWAGE TREATMENT WORKS - COSTS (PPP only)

| | DESCRIPTION | UNITS | DP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | TREATMENT CATEGORY | | | | | | | | | | TOTAL |
| | | | | | SECONDARY | | TERTIARY | | | | SEA OUTFALLS | | | |
| | | | | PRIMARY | ACTIVATED SLUDGE | BIOLOGICAL | A1 | A2 | B1 | B2 | PRELIMINARY TREATMENT | SCREENED | UNSCREENED | |
| A | SMALL WORKS | | | | | | | | | | | | | |
| 1 | Direct costs of STWs in size band 1 | £000 | 3 | | | | | | | | | | | 0.000 |
| 2 | Direct costs of STWs in size band 2 | £000 | 3 | | | | | | | | | | | 0.000 |
| 3 | Direct costs of STWs in size band 3 | £000 | 3 | | | | | | | | | | | 0.000 |
| 4 | Direct costs of STWs in size band 4 | £000 | 3 | | | | | | | | | | | |
| 5 | Direct costs of STWs in size band 5 | £000 | 3 | | | | | | | | | | | |
| B | LARGE WORKS | | | | | | | | | | | | | |
| 6 | Direct costs of STWs in size band 6 | £000 | 3 | | | | | 4,133.600 | | | | | | 4,133.600 |
| C | ALL WORKS | | | | | | | | | | | | | |
| 7 | Total direct costs of STWs - all sizes | £000 | 3 | 0.000 | 0 000 | 0.000 | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| 8 | Sludge Treatment and Disposal Adjustments | £000 | 3 | | | | | | | | | | | 0.000 |
| 9 | Sewage Treatment: Direct costs | £000 | 3 | | | | 89.199 | 4,384.740 | | | | | | 4,473.939 |
| 10 | Sewage Treatment: Power costs | £000 | 3 | | | | 89.199 | 4,384.740 | | | | | | 4,473.939 |
| 11 | Sewage Treatment: service charges | £000 | 3 | | | | | | | | | | | 0.000 |
| 12 | Sewage Treatment: General and Support (NIW) | £000 | 3 | | 61.717 | | 32 905 | 131.620 | | | | | | 226.242 |
| 13 | Sewage Treatment: Functional Expenditure | £000 | 3 | 0.000 | 61.717 | 0.000 | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

**ANNUAL INFORMATION RETURN - TABLE 17f SEWERAGE EXPLANATORY FACTORS**
**SEWAGE TREATMENT WORKS - COSTS (Total)**

| | DESCRIPTION | UNITS | DP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | TREATMENT CATEGORY | | | | | | | | | | TOTAL |
| | | | | | SECONDARY | | TERTIARY | | | | SEA OUTFALLS | | | |
| | | | | PRIMARY | ACTIVATED SLUDGE | BIOLOGICAL | A1 | A2 | B1 | B2 | PRELIMINARY TREATMENT | SCREENED | UNSCREENED | |
| A | **SMALL WORKS** | | | | | | | | | | | | | |
| 1 | Direct costs of STWs in size band 1 | £000 | 3 | 59.362 | 92.079 | 795 513 | | | 24.844 | 24.937 | | | 3.897 | 1,000.631 |
| 2 | Direct costs of STWs in size band 2 | £000 | 3 | | 112.662 | 430 249 | 49 224 | 23.940 | 150.593 | 96.286 | | | | 862.953 |
| 3 | Direct costs of STWs in size band 3 | £000 | 3 | 26.775 | 749.417 | 1,499.124 | 205 364 | 713.704 | 470.734 | 398.542 | 134.857 | | 14.690 | 4,213.207 |
| 4 | Direct costs of STWs in size band 4 | £000 | 3 | 36.986 | 1,365.735 | 273 086 | | 2,449.943 | 85.877 | 261.215 | 200.148 | 20.807 | | |
| 5 | Direct costs of STWs in size band 5 | £000 | 3 | | 805.454 | | 582 605 | | | 231.780 | | | | |
| B | **LARGE WORKS** | | | | | | | | | | | | | |
| 6 | Direct costs of STWs in size band 6 | £000 | 3 | | 1,641.777 | | | ######### | | | | | | 13,148.406 |
| C | **ALL WORKS** | | | | | | | | | | | | | |
| 7 | Total direct costs of STWs - all sizes | £000 | 3 | 123.122 | 4,767.124 | 2,997 971 | | | 732.048 | 1,012.758 | 335.006 | 20.807 | 18.587 | |
| 8 | Sludge Treatment and Disposal Adjustments | £000 | 3 | | | | | | | | | | | |
| 9 | Sewage Treatment: Direct costs | £000 | 3 | 123.122 | 4,767.124 | 2,997 971 | 999 261 | ######### | 732.048 | 1,012.758 | 335.006 | 20.807 | 18.587 | 28,365.222 |
| 10 | Sewage Treatment: Power costs | £000 | 3 | 14.260 | 3,193.724 | 1,013 020 | 626 068 | ######### | 201.667 | 483.225 | 42 665 | | 0.790 | 19,096.901 |
| 11 | Sewage Treatment: service charges | £000 | 3 | 10.312 | 136.801 | 191 669 | 29.167 | 368.615 | 51.148 | 51.454 | 25.417 | | 1.641 | 866.226 |
| 12 | Sewage Treatment: General and Support | £000 | 3 | 242.102 | 3,273.400 | 4,573.132 | 717 660 | 8,656.769 | 1,200.811 | 1,208.000 | 596.713 | 55.565 | 38.537 | 20,562.689 |
| 13 | Sewage Treatment: Functional Expenditure | £000 | 3 | 365.224 | 8,040.524 | 7,571.103 | | | 1,932.859 | 2,220.759 | 931.719 | 76.372 | 57.125 | |

# Table 17f - Sewage Treatment Works (NIW only)

## Lines 1-13

An updated Population Equivalent (PE) database with treatment type by WWTW's was sent from Asset Delivery on the 29th May 2024 which was used to populate Line 1-13. No PPP sites are included in this table. The same 15 sites in Band 6 still apply in AIR24.

Table 17f has been completed based on the figures available at for the year ended 31 March 2024 for sewage treatment – Activity 510 less M&E expenditure which is treated as general & support.

## Line 1-4 – Size band 1-4

Each WWTW's was assigned a finance location code, W or X. W codes are for a specific works and X codes include the costs of a number of small works. Nearly 90% of the costs can be directly allocated to WWTW's through the further implementation of Cost to Serve and the remaining direct costs are apportioned across the appropriate WWTW's based on PE or direct labour.

Direct Costs include power 521x, contractors 531x, other contractors 532x, materials 541x, chemicals 548x, cost reallocations 611x (this includes direct labours costs and & overhead charges) and service charges.

Through the cost to serve project all power costs are allocated to individual sites and a report was taken from EAM to get the full year power cost per WWTW's. There is one electric meter at each site and all the power costs are coded to each individual works to sewage treatment. The Field Managers responsible for each WWTW's estimated the percentage use for sludge treatment and sewage treatment at each WWTW's. This was multiplied by the Power costs at the site to calculate the portion relating to sewage treatment.

The type of treatment at each WWTW's was provided by Asset Management and this was used to assign costs to Column 1-10.

In total the costs have decreased in Lines 1-4 from AIR23 by circa £1.6M.

## Line 5 – Size band 5

Direct costs for sewage treatment, at each location in Size Band 5, were recorded and matched to the appropriate type of treatment.

The costs have decreased from AIR23 by circa £1.9M.

## Line 6 – Size band 6

This line agrees with Line 9 in Table 17b. No PPP sites have been included.

The costs have decreased from AIR23 by circa £2.8M. See Table 17b commentary.

## Line 7 – Total Direct Costs

This is a calculated line and it's the total of Line 1-6. This figure agrees with Table 22, Column 2 Line 9.

The total direct costs have decreased since AIR23 by circa £5.2M. This is due to the movements in the costs of band sizes commented on above.

**Line 8 – Sludge Treatment & Disposal Adjustment**

These costs are not included in the total of Line 7 therefore this line is zero.

**Line 9 – Direct Costs**

This line is equal to Line 7 and is the total direct costs for each type of treatment. This figure agrees with Table 22, Column 2 Line 9.

**Line 10 – Power Costs**

Through the cost to serve project all power costs are allocated to individual sites and a report was provided by the Energy Finance Business Partner for the full year power cost per WWTW's. Power costs have decreased from AIR23 by £5.4m. This figure agrees with Table 22, Column 2 Line 2.

**Line 11 – Service Charges**

£0.9M of environmental regulatory charges are included in Sewage, which is in line with AIR23.

**Line 12 – General & Support**

The Total General & Support expenditure was taken directly from Table 22 (NIW only) Line 10 Column 2 (see Table 22 commentary) and apportioned across the locations based on direct costs.

This figure has increased by £3.6M from AIR23. See commentary on Table 22 for further breakdown and explanation.

**Line 13 – Functional Expenditure**

This is a calculated line and is the total of Line 9 and Line 12. The total agrees to Table 22 (NIW Only) Column 2 Line 11. The total costs have decreased from AIR23 by circa £1.6M for all the reasons mentioned under the lines above. Refer to Table 22 commentary for further explanation.

**PPP Only**

**Lines 1- 3 – Size bands 1- 3**

There are no PPP sites sized within these categories. Therefore, this is a nil return for these size bands.

**Line 4 – Size band 4**

Direct costs associated with Richhill (TA1) include power costs only derived from the Oracle system using the appropriate location code.

**Line 5 – Size band 5**

Direct costs associated with Armagh (TA2) include power costs only derived from the Oracle system using the appropriate location code.

**Line 6 – Size band 6**

No costs are reported for Kinnegar (SAS) direct costs as Kinnegar power costs are part of the Concessionaire's payment to the Operating Company.

Costs for North Down, Ballyrickard and Ballynacor (all TA2) include power costs only derived from the Oracle system using appropriate location codes.

**Line 9 - Direct costs**

This refers to power only. See comments on Line 10 below.

**Line 10 - Power**

Kinnegar (SAS) remains unreported as power costs are not incurred by NIW directly but through the Concessionaire payments.

Power costs have reduced by c 25% from AIR23. This is in line with average APPU which has reduced by c30% from AIR23

The total of this line reconciles to table 22 line 2 column 2.

**Line 12 – General & support**

General and support costs have been calculated using all staff and overhead costs for the contracts management team together with PPP related professional managed service costs – PPP Professional Advisors. Costs have been attributed to schemes in accordance with management's estimated time spent by each member of staff on each contract, with such costs spread equally on schemes therein. Professional Advisors costs are attributable to a contract by invoice. General and support costs have been allocated to facilities on a straight line basis according to the number of facilities in each scheme.

The total on this line reconciles to table 22 line 10 column 2.

**NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN**

**ANNUAL INFORMATION RETURN - TABLE 17g SEWERAGE EXPLANATORY FACTORS**
**SLUDGE TREATMENT AND DISPOSAL INFORMATION (NIW Only)**

| | DESCRIPTION | UNITS | DP | 1 FARMLAND UNTREATED | G | 2 FARMLAND CONVENTIONAL | G | 3 FARMLAND ADVANCED | G | 4 INCINERATION | G | 5 TO PPP | G | 6 LANDFILL | CG | 7 COMPOSTED | G | 8 LAND RECLAMATION | G | 9 OTHER | G | 10 TOTAL | G |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Resident population served | 000 | 1 | | | | | | | | | 1,522 3 | C3 | 25 8 | C3 | | | | | 15.5 | C3 | 1,563.6 | C3 |
| 2 | Amount of sewage sludge | ttds | 1 | | | | | | | | | 29 5 | B2 | 0.5 | B2 | | | | | 0.3 | B2 | 30.3 | B2 |
| 3 | Sludge treatment: direct costs | £000 | 3 | | | | | | | | | | | | | | | | | 4,726.695 | | 4,726 695 | |
| 4 | Sludge disposal: direct costs | £000 | 3 | | | | | | | | | 3,685.230 | | 67.960 | | | | | | 92.393 | | 3,845 583 | |
| 5 | Sludge treatment & disposal: direct costs | £000 | 3 | | | | | | | | | 3,685.230 | | 67.960 | | | | | | 4,819.088 | | 8,572 278 | |
| 6 | Sludge treatment & disposal: power costs | £000 | 3 | | | | | | | | | | | | | | | | | 4,123.897 | | 4,123 897 | |
| 7 | Sludge treatment & disposal: service charges | £000 | 3 | | | | | | | | | | | | | | | | | 297.752 | | 297.752 | |
| 8 | Sludge treatment & disposal: general & support exp. | £000 | 3 | | | | | | | | | | | | | | | | | 4,025.211 | | 4,025 211 | |
| 9 | Sludge treatment & disposal: functional expenditure | £000 | 3 | | | | | | | | | 3,685.230 | | 67.960 | | | | | | 8,844.299 | | 12,597.489 | |

# Table 17g - Sewerage explanatory factors - sludge treatment and disposal information

The methodology has not changed from AIR23. All Sludge is transported and disposed of at the Incinerator or another PPP site.

The costs in Table 17g are populated with the information available for the year ended 31 March 2024.

## Line 1 - Resident population served

The resident population served is that reported in T17a L1 as required in the Utility Regulator's guidance documentation.

Lines 1.5, 1.6 & 1.9 have been estimated using a pro-rata value based on the total sewage sludge disposal data from SLS and the WW Sludge Management monthly report. The pro-rata population figures have been assigned CGs of C3 accordingly based on the C3 CG of the base population data.

## Line 2 – Amount of sewage sludge

This is the total sewage sludge produced (NIW Only) for 2023/24 (tds) as recorded by PPP and monthly by the WWPL Sludge Officer (reconciled using the SLS) and presented in the monthly Sludge Management Report along with an estimated quantity of WwTW & WwPS grit & screenings removed as part of the treatment process and disposed of under Tender C1088.

Line 2.5 has been based on the total sewage sludge disposal (NIW Only) data from SLS and the WW Sludge Management monthly report.

Line 2.6 is an estimated quantity of WwTW's & WwPS`s grit & screenings removed as part of the treatment process and disposed of under Tender C1088.

Line 2.9 is an estimated quantity of WwTW's & WwPS`s grit removed as part of the treatment process and collected under Tender C1088. This element of grit is sent to ReCon who treat and process the grit into a re-usable material - for use in concrete products.

## Line 3 – Sludge Treatment: Direct Costs

Expenditure has been input in Column 9. These costs have decreased by £1.7M since AIR23 mainly due to decreased Power Costs.

Sludge treatment costs for WWTW's are coded using activity 621 and can be separately identified to populate Column 9.

Power costs in AIR24 do not include the Incinerator or any PPP sites.

## Line 4 - Sludge Disposal: Direct Costs

Columns 5, 6 and 9 have been populated on this line. The direct costs have increased by £0.6m since AIR23 mainly due to Hired and Contracted Services Costs.

## Line 5 - Sludge Treatment & Disposal: Direct Costs

This is a calculated line and is the total of line 3 and line 4. The figure agrees with Table 22 (NIW Total) column 3 line 9. Costs have decreased by £1.1M since AIR23.

**Line 6 – Sludge Treatment & Disposal: Power Costs**

Power costs associated with Sludge Treatment are used to populate Column 9. Power costs have been allocated to every site through cost to serve. There is only one electric metre at each WWTW's so an estimate was received for each WWTW's from the wastewater field mangers so that a split could be calculated at each works between sludge and sewage treatment at the sites where both activities occur. The power team supplied a split between the Incinerators and Belfast WWTW's which was used apportion a cost to the works. The split for this in AIR24 was 51:49 and in AIR23 is 44:56 for the Belfast and Incinerators (based on an estimated KWhr usage and a number of sub-meters). No costs for the Incinerator have been included in this table in AIR23.

**Line 7 - Sludge treatment & disposal: Service Charges**

The Service Charges figure is approx. £0.3m in AIR24 and this is similar to what the costs were in AIR23. PPC (Pollution Prevention Control) Permits are included as Sludge Treatment and therefore included in Column 9. The Service Charges figure agrees to Table 22, Line 7 Column 3.

**Line 8 - Sludge treatment & disposal: General & Support**

This figure was taken directly from Table 22 (NIW only) Column 3 Line 10 and apportioned across the columns in Table 17g based on direct labour costs. This is following the same methodology as AIR23. Overall General and Support costs have increased by £0.5m since AIR23. See Table 22 commentary. A detailed breakdown of general & support is included in the commentary for Table 21 & 22.

**Line 9 – Sludge treatment & disposal: Functional Expenditure**

This is a calculated line and is the total of Line 5 and Line 8. Total costs have decreased by £0.6M due to the reasons given above.

**NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN**

**ANNUAL INFORMATION RETURN - TABLE 18 REGULATORY ACCOUNTS (HISTORICAL COST ACCOUNTING**
**PROFIT AND LOSS ACCOUNT FOR YEAR ENDING 31 MARCH**

| | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **DESCRIPTION** | **UNITS** | **DP** | **2015-16** | **2016-17** | **2017-18** | **2018-19** | **2019-20** | **2020-21** | **2021-22** | **2022-23** | **2023-24** | **2024-25** | **2025-26** | **2026-27** |
| 1 | Turnover | £m | 3 | 367 287 | 372.851 | 381.099 | 409 662 | 422 314 | 412.533 | 434.164 | 473.700 | 542.804 | | | |
| 2 | Operating costs (excluding HCD) | £m | 3 | -207.727 | -210.758 | -219.231 | -186 971 | -195.772 | -209.681 | -243.236 | -273 884 | -277.765 | | | |
| 3 | Historical cost depreciation | £m | 3 | -54 364 | -55.773 | -56.418 | -82.165 | -84 274 | -88.080 | -91.424 | -98 895 | -109.426 | | | |
| 4 | Operating income | £m | 3 | 0.799 | 0.656 | 1.035 | 0 551 | 0.467 | 0.193 | 0.585 | 0.420 | 0.175 | | | |
| 5 | Operating profit | £m | 3 | 105 995 | 106.976 | 106.485 | 141 077 | 142.735 | 114.965 | 100.089 | 101 341 | 155.788 | | | |
| 6 | Other income | £m | 3 | 0 000 | 0.000 | 0.000 | 0 000 | 0 000 | 0.000 | 1.120 | 0 000 | 0.000 | | | |
| 7 | Net interest receivable less payable | £m | 3 | -53 609 | -53.804 | -56.253 | -63 684 | -64 374 | -62.362 | -62.660 | -63.442 | -63.882 | | | |
| 8 | Profit on ordinary activities before taxation | £m | 3 | 52 386 | 53.172 | 50.232 | 77 393 | 78 361 | 52.603 | 38.549 | 37 899 | 91.906 | | | |
| 9 | Current tax | £m | 3 | -0 017 | -0.012 | -0.009 | 0 000 | -0.405 | 0.405 | 0.000 | 0 000 | 0.000 | | | |
| 10 | Deferred tax | £m | 3 | 2 536 | -6.430 | -18.286 | -14 018 | -35 032 | -11.798 | -76.278 | -2.484 | -24.427 | | | |
| 11 | Profit on ordinary activities after taxation | £m | 3 | 54 905 | 46.730 | 31.937 | 63 375 | 42 924 | 41.210 | -37.729 | 35.415 | 67.479 | | | |
| 12 | Extraordinary items | £m | 3 | 0 000 | 0.000 | 0.000 | 0 000 | 0 000 | 0.000 | 0.000 | 0 000 | 0.000 | | | |
| 13 | Profit for the year | £m | 3 | 54 905 | 46.730 | 31.937 | 63 375 | 42 924 | 41.210 | -37.729 | 35.415 | 67.479 | | | |
| 14 | Dividends | £m | 3 | -22 888 | -21.510 | -21.153 | -23.759 | -25.185 | -26.619 | -27.482 | -17.121 | -18.113 | | | |
| 15 | Retained profit for the year | £m | 3 | 32 017 | 25.220 | 10.784 | 39 616 | 17.739 | 14.591 | -65.211 | 18 294 | 49.366 | | | |
| | **ADDITIONAL DISCLOSURES** | | | | | | | | | | | | | | |
| 16 | IFRIC 18 Income | £m | 3 | | | | 12 303 | 12 895 | 9.934 | 13.635 | 12.453 | 11.978 | | | |
| 17 | IFRS 15 Income | £m | 3 | | | | 34.295 | 46.713 | 40.680 | 39.994 | 29 682 | 39 925 | | | |

## Table 18 – HC Profit and Loss account for the year ending 31 March 2024

- Results of unappointed activities are shown separately in the published regulatory accounts.
- There are no exceptional charges or income.
- There are no minority interests.
- PPP charges for 2023/24 can be analysed as follows:

| | Gross Charge | Lease repayment | Capital maintenance | HC Depreciation | Net P&L Charge |
|---|---|---|---|---|---|
| | £m | £m | £m | £m | £m |
| [redacted] | 26.611 | (5.535) | (1.516) | 4.198 | 23.758 |
| [redacted] | 32.504 | (5.854) | (2.018) | 4.606 | 29.238 |
| [redacted] | 2.562 | (0.409) | (1.298) | 0.261 | 1.116 |
| **Total** | **61.677** | **(11.798)** | **(4.832)** | **9.065** | **54.112** |

* includes lease interest of [redacted] – shown in line 7 of Table 18.

** Omega gross charge includes constructive liability credit of £2.773m.

- PPP elements of line 2 'Operating Costs' are [redacted]
  Additionally within Line 3 'HCD' there are depreciation costs for the Alpha Project of [redacted], Omega [redacted] and Kinnegar of [redacted]

### The Current and Deferred tax charge

### Factors affecting the tax charge for the current period

The income tax expense in the statutory accounts for the period is £24.427m which is higher than the charge based on the standard rate of corporation tax in the UK (25%). The differences are explained below:

| Reconciliation of effective tax rate | 2024 £m | 2023 £m |
|---|---|---|
| (Loss)/ Profit for the year | 70.366 | 37.293 |
| Income tax expense | 24.427 | 2.484 |
| Profit before income tax | **94.793** | **39.777** |
| Income tax using the Company's domestic tax rate (25%/ 2023:19%) | 23.699 | 7.557 |
| Change in tax rate | 0.00 | 1.526 |
| Non-deductible expenses/ (non-taxable income) | 0.571 | (3.172) |
| Other timing differences | - | - |
| Adjustment to prior years | (1.058) | (3.874) |
| Group relief not chargeable | 1.215 | 0.447 |
| | **24.427** | **2.484** |

The statutory accounts income tax expense of £24.427m can be shown as follows:

**Tax recognised in profit and loss**

| | **2024 £m** | **2023 £m** |
|---|---|---|
| **Current tax expense** | | |
| Current year | - | - |
| Adjustment for prior years | - | - |
| | - | - |
| **Deferred Tax** | | |
| (Origination)/ reversal of timing differences | 25.485 | 6.358 |
| Adjustment to prior years | (1.058) | (3.874) |
| Change in tax rate | 0.000 | 0.000 |
| | | |
| **Tax charge on profit on ordinary activities** | **24.427** | **2.484** |

This statutory income tax expense of £24.427m under IFRS is shown in the Regulatory Accounts as follows:

| | **Appointed activities** | **Unappointed activities** | **Total** |
|---|---|---|---|
| | **£m** | **£m** | **£m** |
| Current tax | - | - | - |
| Deferred tax | 24.427 | - | 24.427 |
| **Total** | **24.427** | **-** | **24.427** |

The statutory accounts deferred tax expense of £24.427m is wholly allocated to appointed activities since the temporary tax timing differences associated with the deferred tax charge reside only in the appointed part of the business.

The statutory deferred tax liability at 31st March 2024 is £340.566m. Table 19 shows a deferred tax liability on the appointed balance sheet of £325.566m (with zero balance at 31st March 2024 for unappointed activities). This liability reconciles to the IFRS based statutory accounts balance at 31st March 2024 of £340.566m as the Accounts are required to show the deferred tax asset of £1.912m associated with the pension liability within the deferred tax balance rather than the approach of showing this amount separately within the pension account. The regulatory accounts balance of £340.566m can be summarised as follows:

| | 2024 £m Excluding Pension | 2024 £m Pension | **2024 £m Total** |
|---|---|---|---|
| Opening liability | 303.051 | 10.668 | **313.719** |
| Current year deferred tax charge/(credit) to profit and loss account | 22.515 | 1.912 | **24.427** |
| Current year deferred tax rate change to the Statement of Total Recognised Gains and Losses (17% to 19%) | - | - | **-** |
| Current year deferred tax charge to the Statement of Total Recognised Gains and Losses | - | 2.410 | **2.410** |
| Closing liability | 325.566 | 14.990 | **340.556** |

Deferred tax is shown separately in the Regulatory Accounts and rolled up into the balance shown within the pension asset on the balance sheet as follows:

| | 2024<br>£m |
|---|---|
| Benefit obligation at end of year | (263.660) |
| Fair value of plan assets at end of year | 323.621 |
| Net asset | 59.961 |
| Less deferred tax | 11.218 |
| **Pension asset after deferred tax** | **71.179** |

The actuarial assumptions underpinning the valuation of the NIW defined benefit scheme assets and liabilities can be shown as follows:

| **Weighted average assumptions used to determine benefit obligations at:** | **31-Mar-24** | **31-Mar-23** |
|---|---|---|
| Discount rate | 4.90% | 4.80% |
| Rate of compensation increase | 5.00% until 2025, 3.70% thereafter | 2.70% until 2024, 3.70% thereafter |
| | | |
| Rate of increase in pensions in payment | 3.05% | 3.10% |
| Rate of increase in pensions in deferment | 3.05% | 3.10% |
| Inflation RPI | 2.90% | 3.00% |
| Inflation CPI | 2.60% | 2.70% |
| **Weighted average assumptions used to determine net pension cost for year ended:** | **31-Mar-24** | **31-Mar-23** |
| Discount rate | 4.80% | 2.80% |
| Rate of compensation increase | 2.70% until 2024, 3.70% thereafter | 3.00% until 2024, 4.00% thereafter |
| | | |
| Inflation | 3.00% | 3.30% |

Any changes to the assumptions from 2023 to 2024 have been advised by the independent actuaries.

There is a pension asset at 31 March 2024 of £71.179m (after deferred tax).
A dividend of £21.000m was proposed, approved and paid in 2023/24 and thus there is a dividend in Table 18 for the current year.

The approach to dividends is to allocate an amount of dividend to unappointed activities in the year that will reduce the ongoing build-up of cash balances within the unappointed balance sheet. This is achieved by allocating dividend to unappointed activities to achieve nil profit on these activities.

In the year ended 31st March 2024 £18.113m of the statutory dividend of £21.000m was allocated to appointed activities and £2.887m allocated to unappointed activities.

## Operating Costs

### Cost components in Operating Costs

The following cost components of Line 2 (£277.764m) are provided below:

| | |
|---|---|
| Employment Costs | 75.546m*^ |
| Power | 58.421m* |
| Rates | 27.837m* |
| Contractors | 32.228m* |
| Customer services | 8.616m |
| Materials and consumables | 16.109m |
| General and support expenditure | 33.813m |
| PPP Operating Charges – [redacted] | 14.667m |
| PPP Operating Charges – [redacted] | 14.822m |
| PPP Operating Charges – [redacted] | 0.767m |
| Other | (5.062m) |
| **Total** | **277.764m** |

* includes an amount relating to unappointed activities that cannot be extracted out for the summary above.
^ stated before an amount is capitalised (see later in commentary).

### Interest

Interest received and payable can be summarised as follows:

| | £m | £m |
|---|---|---|
| **Interest received** | | |
| Bank Interest | 3.468 | |
| Cash Pooling | 0.631 | |
| Sub Debt | 1.130 | |
| On Pension Fund | 2.590 | |
| **Total Interest received** | | **7.819** |
| **Interest Payable:** | | |
| On bonds held as security | (0.577) | |
| On all other loans | (68.649) | |
| On Finance leases | (14.800) | |
| On Pension Fund | - | |
| **Total Interest Payable** | | **(84.026)** |
| **Net Interest** | | **(76.207)** |

### Capitalisation of costs

During 2023/24 £24.357m of costs were capitalised from the profit and loss account. This can be broken down as follows:

| **Cost** | **£m** |
|---|---|
| Staff Costs | 20.638 |
| Labour charge | 0.525 |
| Temporary staff | 0.007 |
| Consultants | - |
| Overheads capitalised | 3.187 |
| **Total** | **24.357** |

The majority of cost capitalised relate to staff costs and overheads. These costs relate to the NIW staff who spend their time on capital projects e.g. Engineering Procurement or Asset Management staff. These costs will add to the value of the completed asset.

**Comparison to prior year**

A comparison to 2023/24 can be shown as follows:

| | **Actual** | **Actual** |
|---|---|---|
| | **2023 - 2024** | **2022 – 2023** |
| | **£m** | **£m** |
| Sales | 542.804 | 473.700 |
| Expenditure | (387.016) | (372.359) |
| Net Operating Profit | 155.788 | 101.341 |
| Operating Margin | *28.7%* | *21.4%* |
| Interest payable | (63.882) | (63.442) |
| Tax charge | (24.427) | (2.484) |
| (Loss)/ Profit for the year | 67.479 | 35.415 |
| Net Profit Margin | *12.4%* | *7.5%* |

Explanation of variances on sales, operating profit and interest payable are outlined in the commentary to Table 20.

**Systems and controls**

The company uses the Oracle financial system to produce monthly and annual accounting information. The Oracle General Ledger produces a trial balance and the detailed accounts are summarised to produce the year end statutory accounts. A series of spreadsheets are then used to analyse appointed and non-appointed sales and costs to produce the financial information for the Regulatory Accounts and AIR Tables.

The company is progressing a major project to develop a costing system. In terms of regulatory reporting the main tables requiring costing information are Tables 21 and 22 and the commentaries for these tables detail how an interim costing solution is being used to populate these tables until the new costing system is in place.

This new costing solution is also intended to provide better information for the allocation of costs to non-appointed activities (which is currently based on a set of high level costing assumptions).

**Internal Controls**

The company continues to place great emphasis on internal financial controls throughout the organisation.

**IFRS 15 Income**

In 2018/19 the company adopted IFRS 15 and changed its accounting policy such that the value of transfers of assets from customers £39,925k (2023: £29,682k) has been taken to a deferred credit reserve and amortised over the life of the related asset. The amount recognized as income in the current year is £4,212k (2023: £4,085k).

In accordance with IFRS 15, other capital contributions of £11,978k (2023: £12,453k) has been taken to revenue. This is the same as how IFRIC 18 income was previously recognised pre-2018/19. This is shown in the table as IFRIC 18 income for identification purposes.

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 18c REGULATORY ACCOUNTS (HISTORICAL COST ACCOUNTING)
STATEMENT OF TOTAL RECOGNISED GAINS AND LOSSES

| | DESCRIPTION | UNITS | DP | 1<br>2015-16 | 2<br>2016-17 | 3<br>2017-18 | 4<br>2018-19 | 5<br>2019-20 | 6<br>2020-21 | 7<br>2021-22 | 8<br>2022-23 | 9<br>2023-24 | 10<br>2024-25 | 11<br>2025-26 | 12<br>2026-27 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | CAPITAL EXPENDITURE CATEGORIES | | | | | | | | | | | | | | |
| 1 | Profit for the year | £m | 3 | 32.017 | 25.220 | 10.784 | 39.616 | 17.739 | 14.591 | -65.211 | 18.294 | 49.366 | | | |
| 2 | Actuarial gains/losses on post employment plans | £m | 3 | 4.294 | -46.621 | 41.180 | -9.413 | -0.353 | -23.983 | 33.157 | 63.154 | 7.231 | | | |
| 3 | Other gains and losses | £m | 3 | 0.000 | 0.000 | 0.000 | -0.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | |
| 4 | Total recognised gains and losses for the year | £m | 3 | 36.311 | -21.401 | 51.964 | 30.190 | 17.386 | -9.392 | -32.054 | 81.448 | 56.597 | | | |

## Table 18c – STRGL (HCA)

Line 2 shows £7.231m of actuarial gains on post-employment plans.

The Regulatory Accounts for 2023/24 are based on IFRS and the actuarial gains and fair value gains noted above are taken from the IFRS Statutory Accounts.

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 18d REGULATORY ACCOUNTS (HISTORICAL COST ACCOUNTING)
ANALYSIS OF DIVIDENDS AND INTEREST CHARGES FOR YEAR

| | DESCRIPTION | UNITS | DP | 1<br>2015-16 | 2<br>2016-17 | 3<br>2017-18 | 4<br>2018-19 | 5<br>2019-20 | 6<br>2020-21 | 7<br>2021-22 | 8<br>2022-23 | 9<br>2023-24 | 10<br>2024-25 | 11<br>2025-26 | 12<br>2026-27 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | DIVIDEND ANALYSIS | | | | | | | | | | | | | | |
| 1 | Dividends in respect of a financial re-organisation | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | |
| 2 | Other ordinary dividends | £m | 3 | -22.888 | -21.510 | -21.153 | -23.759 | -25.185 | -26.619 | -27.482 | -17.121 | -18.113 | | | |
| 3 | Total dividends | £m | 3 | -22.888 | -21.510 | -21.153 | -23.759 | -25.185 | -26.619 | -27.482 | -17.121 | -18.113 | | | |
| B | INTEREST ANALYSIS | | | | | | | | | | | | | | |
| 4 | Interest receivable/payable on intercompany balances | £m | 3 | 0.000 | 0.000 | 0.115 | 0.361 | 0.389 | 0.048 | 1.357 | 1.475 | 1.761 | | | |
| 5 | Interest receivable/payable in respect of a financial re-organisation | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | |
| 6 | Indexation element of index-linked bonds | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | |
| 7 | Preference share dividends | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | |
| 8 | Other interest receivable | £m | 3 | 0.096 | 0.070 | 0.052 | 0.100 | 0.063 | 1.389 | 0.007 | 0.612 | 3.468 | | | |
| 9 | Other interest payable | £m | 3 | -46.604 | -47.111 | -48.414 | -44.859 | -51.306 | -52.134 | -54.105 | -58.708 | -69.226 | | | |
| 10 | Other finance charges - post employment costs | £m | 3 | -0.400 | -0.200 | -1.600 | -0.460 | -0.735 | -0.648 | -1.233 | -0.615 | 2.590 | | | |
| 11 | Other finance charges | £m | 3 | -6.701 | -6.562 | -6.406 | -18.826 | -18.261 | -17.521 | -16.692 | -15.842 | -14.800 | | | |
| 12 | Total net interest | £m | 3 | -53.609 | -53.803 | -56.253 | -63.684 | -69.850 | -68.866 | -70.666 | -73.078 | -76.207 | | | |
| 13 | Capitalisation of Interest | £m | 3 | | | | 5.014 | 5.477 | 6.503 | 6.886 | 9.636 | 12.326 | | | |

## Table 18d – Analysis of dividends and interest charges

A dividend was proposed and approved in 2023/24 and this is shown on line 2. The full dividend for 2023/24 was £21.000m with £18.113m apportioned to appointed activities and £2.887m apportioned to unappointed activities.

See commentary to Table 18 in relation to the approach to the apportionment of dividend to appointed and unappointed activities.

Interest receivable (£1.761m) relates to intercompany cash pooling interest.

Interest payable of £69.226m is comprised of £68.668m relating to the loan notes held with DfI, £0.577m relating to interest payable on cash bonds and £0.020m relating to interest on corporation tax. The interest on loan notes has increased from last year by £10.254m (17.6%). The increase, as in the prior year, is due to the additional interest on the drawdown of £215m additional loan notes in 2023/24. (Generally the interest payable on loan notes will rise year on year as the outstanding liability steadily rises. This occurs as new loans are taken out to cover in year capital expenditure whilst at the same time the loans are not repayable until 2027/2034/2042).

Other finance charges – post employment plans is an income of £2.590m for the finance interest income relating to post employment plans calculated by the actuaries of the pension fund at year end.

During 2023/24 an amount of £14.800m (2022/23: £15.842m) has been included as other finance charges. £14.792m of this relates to the imputed interest on the finance lease underpinning the on-balance sheet [redacted] Project. With the change to IFRS in 2018/19, both [redacted] Project became on balance sheet. £0.008m relates to imputed interest on finance leases on the implementation of IFRS 16 Leases in 2019/20.

The following table compares the actual net interest payable and balance of loan notes with the 2023/24 budget:

| | Actual | Budget |
|---|---|---|
| | £m | £m |
| Net Interest payable | 76.207 | 78.010 |
| Loan notes | 1,809.560 | 1,824.560 |

* Omega interest [redacted] and Kinnegar interest [redacted] were not included in the FD.

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 19 REGULATORY ACCOUNTS (HISTORICAL COST ACCOUNTING)
BALANCE SHEET AS AT 31 MARCH (TOTAL)

| | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DESCRIPTION | UNITS | DP | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 | 2020-21 | 2021-22 | 2022-23 | 2023-24 | 2024-25 | 2025-26 | 2026-27 |
| A | FIXED ASSETS | | | | | | | | | | | | | | |
| 1 | Tangible fixed assets | £m | 3 | 2139.613 | 2201.787 | 2262.482 | 3128.612 | 3274.623 | 3414.428 | 3601.661 | 3841.955 | 4134.420 | | | |
| 2 | Investment - loan to group company | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | |
| 3 | Investment - other | £m | 3 | 0.091 | 0.091 | 0.091 | 0.015 | 5.015 | 5.000 | 5.000 | 5.000 | 5.000 | | | |
| 4 | Total fixed assets | £m | 3 | 2139.704 | 2201.878 | 2262.573 | 3128.627 | 3279.638 | 3419.428 | 3606.661 | 3846.955 | 4139.420 | | | |
| B | CURRENT ASSETS | | | | | | | | | | | | | | |
| 5 | Stocks | £m | 3 | 2.368 | 2.347 | 2.469 | 2.947 | 3.554 | 4.310 | 4.424 | 5.137 | 5.236 | | | |
| 6 | Debtors | £m | 3 | 29.832 | 30.386 | 62.428 | 70.856 | 71.492 | 65.229 | 82.202 | 81.020 | 88.959 | | | |
| 7 | Cash | £m | 3 | 2.015 | 0.412 | 0.723 | 5.711 | 1.359 | 23.860 | 67.212 | 55.399 | 86.904 | | | |
| 8 | Short term deposits | £m | 3 | 1.000 | 2.501 | 2.508 | 1.270 | 1.276 | 1.277 | 1.278 | 1.287 | 1.311 | | | |
| 9 | Infrastructure renewals prepayment | £m | 3 | | | | | | | | | | | | |
| 10 | Total current assets | £m | 3 | 35.215 | 35.646 | 71.701 | 80.784 | 77.681 | 94.676 | 155.116 | 142.843 | 182.410 | | | |
| C | CREDITORS: AMOUNTS FALLING DUE WITHIN ONE YEAR | | | | | | | | | | | | | | |
| 11 | Overdrafts | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | |
| 12 | Infrastructure renewals accrual | £m | 3 | | | | | | | | | | | | |
| 13 | Creditors | £m | 3 | -131.139 | -136.204 | -129.195 | -128.224 | -128.380 | -153.551 | -177.659 | -206.402 | -235.831 | | | |
| 14 | Borrowings | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | |
| 15 | Corporation tax payable | £m | 3 | -0.189 | -0.189 | 0.228 | 0.232 | 0.682 | 0.682 | 1.545 | 0.323 | 0.000 | | | |
| 16 | Ordinary share dividends payable | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | |
| 17 | Preference share dividends payable | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | |
| 18 | Total creditors | £m | 3 | -137.172 | -137.314 | -128.967 | -127.992 | -127.698 | -152.869 | -176.114 | -206.079 | -235.831 | | | |
| 19 | Net current assets | £m | 3 | -101.957 | -101.668 | -57.266 | -47.208 | -50.017 | -58.193 | -20.998 | -63.236 | -53.421 | | | |
| D | CREDITORS: AMOUNTS FALLING DUE AFTER MORE THAN ONE YEAR | | | | | | | | | | | | | | |
| 20 | Borrowings | £m | 3 | -983.560 | -1013.560 | -1082.560 | -1337.867 | -1371.904 | -1445.962 | -1605.279 | -1748.218 | -1950.262 | | | |
| 21 | Other creditors | £m | 3 | -91.751 | -89.305 | -87.360 | -1.500 | -0.537 | -1.116 | -2.039 | -1.893 | -0.878 | | | |
| 22 | Total creditors | £m | 3 | -1,075.311 | -1,102.865 | -1,169.920 | -1,339.367 | -1,372.441 | -1,447.078 | -1,607.318 | -1,750.111 | -1,951.140 | | | |
| E | PROVISION FOR LIABILITIES AND CHARGES | | | | | | | | | | | | | | |
| 23 | Deferred tax provision | £m | 3 | -195.465 | -202.263 | -221.641 | -170.041 | -206.586 | -218.763 | -299.339 | -303.051 | -325.566 | | | |
| 24 | Deferred income - grants and contributions | £m | 3 | -22.301 | -23.070 | -25.769 | -426.885 | -483.401 | -524.487 | -560.089 | -584.939 | -619.673 | | | |
| 25 | Post employment asset / (liabilities) | £m | 3 | -5.880 | -54.767 | -18.915 | -29.575 | -34.436 | -48.545 | -19.898 | 35.789 | 44.972 | | | |
| 26 | Other provisions | £m | 3 | -5.035 | -4.886 | -4.739 | -4.170 | -3.990 | -2.982 | -9.864 | -10.807 | -7.394 | | | |
| F | PREFERENCE SHARE CAPITAL | | | | | | | | | | | | | | |
| 27 | Preference share capital | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | |
| 28 | Net assets employed | £m | 3 | 733.755 | 712.359 | 764.323 | 1111.381 | 1128.767 | 1119.380 | 1089.155 | 1170.600 | 1227.198 | | | |
| G | CAPITAL AND RESERVES | | | | | | | | | | | | | | |
| 29 | Called up share capital | £m | 3 | 500.000 | 500.000 | 500.000 | 500.000 | 500.000 | 500.000 | 500.000 | 500.000 | 500.000 | | | |
| 30 | Share premium | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | |
| 31 | Profit and loss account | £m | 3 | 62.065 | 40.669 | 92.633 | 439.691 | 457.077 | 447.690 | 417.465 | 498.910 | 555.508 | | | |
| 32 | Other reserves | £m | 3 | 171.690 | 171.690 | 171.690 | 171.690 | 171.690 | 171.690 | 171.690 | 171.690 | 171.690 | | | |
| 33 | Capital and reserves | £m | 3 | 733.755 | 712.359 | 764.323 | 1111.381 | 1128.767 | 1119.380 | 1089.155 | 1170.600 | 1227.198 | | | |

## Table 19 – HC Balance Sheet as at 31 March 2024

The balance sheet in the published regulatory accounts includes a separate analysis of unappointed activities.

The retained profit for the year is £49.366m (post dividend).

The P&L reserves in the Balance Sheet increased by £49.366m and this movement can be shown as follows:

| | |
|---|---|
| Retained profit for the year | £49.366m |
| Pension scheme actuarial gains net of deferred tax | £7.231m |
| **Movement in P&L Account** | **£56.597m** |

The regulatory accounts was produced in accordance with international accounting standards in conformity with the requirements of, and as applied in accordance with the provisions of, the Companies Act 2006, for the year end 31st March 2024 as directed by the Utility Regulator.

No minority interests exist.

The elements of PPP included in the table are as follows:

**Line 1 - Tangible Fixed Assets**

| | [redacted] | [redacted] | [redacted] | **Total** |
|---|---|---|---|---|
| | £m | £m | £m | **£m** |
| Gross | 133.63 | 155.89 | 14.39 | **303.91** |
| Acc. Deprec | (57.09) | (63.57) | (8.16) | **(128.82)** |
| **NBV** | **76.54** | **92.32** | **6.23** | **175.09** |

**Line - 13 Creditors falling due within one year**

| | [redacted] | [redacted] | [redacted] | **Finance lease (IFRS 16)** | **Total** |
|---|---|---|---|---|---|
| | £m | £m | £m | £m | £m |
| Lease obligation due < 1 yr | 6.055 | 6.765 | 0.046 | 0.089 | **12.955** |
| Accruals | 2.177 | 9.015 | 0.216 | - | **11.408** |
| **Total** | **8.232** | **15.780** | **0.262** | **0.089** | **24.363** |

**Line 21 - Other creditors falling due after more than one year**

| | [redacted] | [redacted] | [redacted] | **Finance lease (IFRS 16)** | **Total** |
|---|---|---|---|---|---|
| | £m | £m | £m | £m | £m |
| Lease obligation due > 1 yr | 58.374 | 81.378 | 0.000 | 0.950 | **140.702** |

**Significant features and movements**

**Fixed Assets**

Increase of £292m in line with in year additions of £402m, capital contributions of £10.6m, HC depreciation of £109m, disposals of £1.707m.

**Debtors**

Increased by £7.939m from £81.020m to £88.959m (9.8%). This is primarily due to:

- Measured, unmeasured and TE debtors decreased by £5.2m.
- Measured, unmeasured and TE bad debt provision decreased by £0.5m.
- Accrued income from measured and TE customers increased by £3.9m.
- VAT receivable debtors increased by £0.7m.
- DfI Subsidy debtor increased by £0.01m.
- Other Prepayments increased by £2.0m.
- PPP Capital maintenance decreased by £3.2m.
- Intercompany debtor cash pooling increased by £1.3m.

**Cash and Short term deposits**

Cash has increased by £31.506m from £55.399m to £86.905m (56.87%) and short term deposits have increased by £0.024m from £1.287m to £1.311m (1.86%).

The cashflow statement in Table 28 illustrates the uses of these cash and deposit monies in contributing to meeting the non opex expenditure needs for the year. This can be summarised as follows:

| **Non opex expenditure** | |
|---|---|
| Capex | £368.025m |
| Net Interest paid | £ 60.466m |
| Dividend paid | £ 18.113m |
| Finance Lease payments | £ 12.083m |
| Increase in deposit monies | £ 0.025m |
| Additional loan to subsidiaries | £ 0.750m |
| Increase in cash | £ 31.506m |
| **Total** | **£490.968m** |

| **Funded by:** | |
|---|---|
| Generated from operations | £274.135m |
| Grants and contributions | £ 0.845m |
| Loans | £215.000m |
| Disposal of fixed assets | £ 0.193m |
| Insurance proceeds | £ 0.000m |
| Repayment of loan from subsidiaries | £ 0.795m |
| **Total** | **£490.968m** |

**Deferred tax**

The deferred tax balance has increased from £303.051m to £325.566m. An explanation for this has been included in the commentary to Table 18.

**Borrowings > 1 year (Capital loan notes)**

Borrowings have increased by £215m from £1,594.560m to £1,809.560m. The additions to capital expenditure during the year were £368m. The increase in borrowings were used to

partly fund these additions to capital expenditure with the balance of capital being financed through capital contributions and working capital.

**Post-employment asset/ (liabilities)**

The Pension asset of £35.789m increased to a pension asset of £44.972m (a change in value of 25.66%).

This can be shown as follows:

| | **£m** |
|---|---|
| **Opening balance at 1.4.23** | **35.789** |
| Current Service Costs | (11.567) |
| Administration Costs | (1.300) |
| Past Service Costs | (0.454) |
| Contributions | 14.593 |
| Finance Cost | 2.590 |
| Actuarial Gain | 9.642 |
| Increase in Deferred tax liability on asset | (4.321) |
| **Closing balance 31.3.24** | **44.972** |

**Other provisions**

Decreased from £10.808m to £7.394m (-31.59%).

This decrease of £3.414m can be summarised as follows:

| | £m |
|---|---|
| Decrease in holiday pay provision | (0.080) |
| Increase in Public Liability provision | 0.161 |
| Decrease in Employer Liability provision | (0.052) |
| Decrease in Omega Obligation provision | (3.443) |
| **Total** | **(3.414)** |

**PPP – Infrastructure renewals charge (IRC) and expenditure (IRE)**

**– Capital Maintenance**

The table below summarises the IRC, IRE and capital maintenance during 2023/24 in relation to the PPP projects:

| | [redacted] | [redacted] | [redacted] | **Total** |
|---|---|---|---|---|
| | £m | £m | £m | **£m** |
| IRE | - | - | - | **-** |
| IRC | - | - | - | **-** |
| Capital maintenance | 4.367 | 2.466 | 1.170 | **8.003** |

[redacted] is treated as 'on balance sheet' and an amount of the unitary charge for [redacted] is deemed to be related to the carrying out of capital maintenance by the operator. For 2023-24 this is confirmed by the operator to be [redacted] This amount is credited to the Profit and Loss account and debited to Alpha fixed assets.

[redacted] is treated as ‘on balance sheet’ and an amount of the unitary charge for [redacted] is deemed to be related to the carrying out of capital maintenance by the operator. For 2023-24 this is confirmed by the operator to be [redacted]. This amount is credited to the Profit and Loss account and debited to Omega fixed assets.

[redacted] is treated as ‘on balance sheet’ and an amount of the unitary charge for [redacted] is deemed to be related to the carrying out of capital maintenance by the operator. For 2023-24 this is confirmed by the operator to be [redacted]

This capital maintenance is assumed to be 100% non-infrastructure and there are no infrastructure additions to [redacted] in 2023-24 (2022-23: nil). There has therefore been no apportionment of IRC in 2023-24 (2022-23: nil).

NORTHERN IRELAND WATER LIMITED ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN TABLE 19a ANALYSIS OF BORROWINGS DUE AFTER MORE THAN ONE YEAR (HISTORICAL COST ACCOUNTING)
BALANCE SHEET AS AT 31 MARCH

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| | DESCRIPTION | YEARS TO MATURITY<br>years<br>0dp | PRINCIPAL SUM<br>£m<br>3dp | Years to maturity x principle sum<br>£m<br>3dp | REAL COUPON<br>%<br>2dp | NOMINAL INTEREST RATE<br>%<br>2dp | FULL YEAR EQUIVALENT NOMINAL<br>£m<br>3dp | FULL YEAR EQUIVALENT REAL CASH<br>£m<br>3dp | CARRYING VALUE<br>£m<br>3dp |
| A | BORROWINGS IN HEDGING RELATIONSHIPS | | | | | | | | |
| A1 | Fixed rate instruments | | | | | | | | |
| 1 | | | | | | | | | |
| ~ | | | | | | | | | |
| 50 | | | | | | | | | |
| A2 | Floating rate instruments | | | | | | | | |
| 51 | | | | | | | | | |
| " | | | | | | | | | |
| 100 | | | | | | | | | |
| A3 | Index linked instruments | | | | | | | | |
| 101 | | | | | | | | | |
| " | | | | | | | | | |
| 150 | | | | | | | | | |
| | TOTAL FOR HEDGING INSTRUMENTS | | | | | | | | |
| B | BORROWINGS DESIGNATED AT FAIR VALUE THROUGH PROFIT AND LOSS | | | | | | | | |
| B1 | Fixed rate instruments | | | | | | | | |
| 151 | | | | | | | | | |
| " | | | | | | | | | |
| 200 | | | | | | | | | |
| B2 | Floating rate instruments | | | | | | | | |
| 201 | | | | | | | | | |
| " | | | | | | | | | |
| 250 | | | | | | | | | |
| B3 | Index linked instruments | | | | | | | | |
| 251 | | | | | | | | | |
| " | | | | | | | | | |
| 300 | | | | | | | | | |
| | TOTAL FOR BORROWINGS DESIGNATED AT FAIR VALUE THROUGH PROFIT AND LOSS | | | | | | | | |
| C | OTHER BORROWINGS | | | | | | | | |
| C1 | Fixed rate instruments | | | | | | | | |
| 301 | Finance lease - Capital House (Building) | 0 | 1.109 | | | 2.20% | | | 0.055 |
| 302 | Finance lease - Ballywa ter (Land) | 0 | 0.101 | | | 2.20% | | | 0.000 |
| 303 | Finance lease - Dunore solar panel (Land) | 19 | 0.756 | | | 2.20% | | | 0.629 |
| 304 | Finance lease - Dromore WWTW (Land) | 0 | 0.031 | | | 2.20% | | | 0.000 |
| 305 | Finance lease - Sea outfalls (Infrastructure) | 47 | 0.387 | | | 2.20% | | | 0.355 |
| 306 | | | | | | | | | |
| 307 | | | | | | | | | |
| 308 | | | | | | | | | |
| C2 | Floating rate instruments | | | | | | | | |
| 351 | | | | | | | | | |
| " | | | | | | | | | |
| 400 | | | | | | | | | |
| C3 | Index linked instruments | | | | | | | | |
| 401 | | | | | | | | | |
| " | | | | | | | | | |
| 450 | | | | | | | | | |
| | TOTAL FOR OTHER BORROWINGS | | | | | | | | |
| D | TOTALS | | | | | | | | |
| E | RPI assumption | | | | | | | | |

| | | |
|---|---|---|
| F | ANALYSIS | |
| F | INDICATIVE INTEREST RATES | |
| F1 | Nominal interest | |
| F2 | Cash interest | |
| | | |
| G | INDICATIVE DEBT PORTFOLIO BREAKDOWN | |
| G1 | Floating rate debt as percentage of total debt | |
| G2 | Fixed rate debt as percentage of total debt | |
| G3 | Index inked debt as percentage of total debt | |
| G4 | Fixed rate debt and index inked debt as percentage of total debt | |
| G5 | Weighted average years to maturity | |

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 19a ANALYSIS OF BORROWINGS DUE AFTER MORE THAN ONE YEAR (HISTORICAL COST ACCOUNTING)
BALANCE SHEET AS AT 31 MARCH 2022

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| | DESCRIPTION | YEARS TO MATURITY<br>years<br>0dp | PRINCIPAL SUM<br>£m<br>3dp | Years to maturity x principle sum<br>£m<br>3dp | REAL COUPON<br>%<br>2dp | NOMINAL INTEREST RATE<br>%<br>2dp | EQUIVALENT NOMINAL<br>£m<br>3dp | EQUIVALENT REAL CASH<br>£m<br>3dp | CARRYING VALUE<br>£m<br>3dp |
| A | BORROWINGS IN HEDGING RELATIONSHIPS | | | | | | | | |
| A1 | Fixed rate instruments | | | | | | | | |
| 1 | | | | | | | | | |
| - | | | | | | | | | |
| 50 | | | | | | | | | |
| A2 | Floating rate instruments | | | | | | | | |
| 51 | | | | | | | | | |
| - | | | | | | | | | |
| 100 | | | | | | | | | |
| A3 | Index linked instruments | | | | | | | | |
| 101 | | | | | | | | | |
| - | | | | | | | | | |
| 150 | | | | | | | | | |
| | TOTAL FOR HEDGING INSTRUMENTS | | | | | | | | |
| B | BORROWINGS DESIGNATED AT FAIR VALUE THROUGH PROFIT AND LOSS | | | | | | | | |
| B1 | Fixed rate instruments | | | | | | | | |
| 151 | | | | | | | | | |
| - | | | | | | | | | |
| 200 | | | | | | | | | |
| B2 | Floating rate instruments | | | | | | | | |
| 201 | | | | | | | | | |
| - | | | | | | | | | |
| 250 | | | | | | | | | |
| B3 | Index linked instruments | | | | | | | | |
| 251 | | | | | | | | | |
| - | | | | | | | | | |
| 300 | | | | | | | | | |
| | TOTAL FOR BORROWINGS DESIGNATED AT FAIR VALUE THROUGH PROFIT AND LOSS | | | | | | | | |
| C | OTHER BORROWINGS | | | | | | | | |
| C1 | Fixed rate instruments | | | | | | | | |
| 301 | Capital loan note issued under GBP £1.2802bn Fixed Coupon Unsecured Loan note instrument 2027 | 3 | 627.560 | 1882.680 | 0.95% | 5.25% | 32.947 | 32.947 | 627.560 |
| 302 | Capital loan note issued under GBP £1.2802bn Fixed Coupon Unsecured Loan note instrument 2027 | 3 | 20.000 | 60.000 | 0.73% | 5.03% | 1.006 | 1.006 | 20.000 |
| 303 | Capital loan note issued under GBP £1.2802bn Fixed Coupon Unsecured Loan note instrument 2027 | 3 | 20.000 | 60.000 | 0.59% | 4.89% | 0.978 | 0.978 | 20.000 |
| 304 | Capital loan note issued under GBP £1.2802bn Fixed Coupon Unsecured Loan note instrument 2027 | 3 | 20.000 | 60.000 | 0.18% | 4.48% | 0.896 | 0.896 | 20.000 |
| 305 | Capital loan note issued under GBP £1.2802bn Fixed Coupon Unsecured Loan note instrument 2027 | 3 | 10.000 | 30.000 | 0.83% | 5.13% | 0.513 | 0.513 | 10.000 |
| 306 | Capital loan note issued under GBP £1.2802bn Fixed Coupon Unsecured Loan note instrument 2027 | 3 | 10.000 | 30.000 | 0.86% | 5.16% | 0.516 | 0.516 | 10.000 |
| 307 | Capital loan note issued under GBP £1.2802bn Fixed Coupon Unsecured Loan note instrument 2027 | 3 | 10.000 | 30.000 | 0.97% | 5.27% | 0.527 | 0.527 | 10.000 |
| 308 | Capital loan note issued under GBP £1.2802bn Fixed Coupon Unsecured Loan note instrument 2027 | 3 | 20.000 | 60.000 | 0.75% | 5.05% | 1.010 | 1.010 | 20.000 |
| 309 | Capital loan note issued under GBP £1.2802bn Fixed Coupon Unsecured Loan note instrument 2027 | 3 | 5.000 | 15.000 | 0.50% | 4.80% | 0.240 | 0.240 | 5.000 |
| 310 | Capital loan note issued under GBP £1.2802bn Fixed Coupon Unsecured Loan note instrument 2027 | 3 | 15.000 | 45.000 | 0.09% | 4.39% | 0.659 | 0.659 | 15.000 |
| 311 | Capital loan note issued under GBP £1.2802bn Fixed Coupon Unsecured Loan note instrument 2027 | 3 | 7.000 | 21.000 | -0.80% | 3.50% | 0.245 | 0.245 | 7.000 |
| 312 | Capital loan note issued under GBP £1.2802bn Fixed Coupon Unsecured Loan note instrument 2027 | 3 | 10.000 | 30.000 | -0.93% | 3.37% | 0.337 | 0.337 | 10.000 |
| 313 | Capital loan note issued under GBP £1.2802bn Fixed Coupon Unsecured Loan note instrument 2027 | 3 | 15.000 | 45.000 | -0.68% | 3.62% | 0.543 | 0.543 | 15.000 |
| 314 | Capital loan note issued under GBP £1.2802bn Fixed Coupon Unsecured Loan note instrument 2027 | 3 | 18.000 | 54.000 | -0.62% | 3.68% | 0.662 | 0.662 | 18.000 |
| 315 | Capital loan note issued under GBP £1.2802bn Fixed Coupon Unsecured Loan note instrument 2027 | 3 | 8.000 | 24.000 | -0.66% | 3.64% | 0.291 | 0.291 | 8.000 |
| 316 | Capital loan note issued under GBP £1.2802bn Fixed Coupon Unsecured Loan note instrument 2027 | 3 | 8.000 | 24.000 | -0.94% | 3.36% | 0.269 | 0.269 | 8.000 |
| 317 | Capital loan note issued under GBP £1.2802bn Fixed Coupon Unsecured Loan note instrument 2027 | 3 | 5.000 | 15.000 | -1.08% | 3.22% | 0.161 | 0.161 | 5.000 |
| 318 | Capital loan note issued under GBP £1.2802bn Fixed Coupon Unsecured Loan note instrument 2027 | 3 | 20.000 | 60.000 | -1.24% | 3.06% | 0.612 | 0.612 | 20.000 |
| 319 | Capital loan note issued under GBP £1.2802bn Fixed Coupon Unsecured Loan note instrument 2027 | 3 | 10.000 | 30.000 | -1.17% | 3.13% | 0.313 | 0.313 | 10.000 |
| 320 | Capital loan note issued under GBP £1.2802bn Fixed Coupon Unsecured Loan note instrument 2027 | 3 | 24.000 | 72.000 | -1.08% | 3.22% | 0.773 | 0.773 | 24.000 |
| 321 | Capital loan note issued under GBP £1.2802bn Fixed Coupon Unsecured Loan note instrument 2027 | 3 | 5.000 | 15.000 | -0.31% | 3.99% | 0.200 | 0.200 | 5.000 |
| 322 | Capital loan note issued under GBP £1.2802bn Fixed Coupon Unsecured Loan note instrument 2027 | 3 | 8.000 | 24.000 | -0.20% | 4.10% | 0.328 | 0.328 | 8.000 |
| 323 | Capital loan note issued under GBP £1.2802bn Fixed Coupon Unsecured Loan note instrument 2027 | 3 | 5.000 | 15.000 | -0.35% | 3.95% | 0.198 | 0.198 | 5.000 |
| 324 | Capital loan note issued under GBP £1.2802bn Fixed Coupon Unsecured Loan note instrument 2027 | 3 | 11.000 | 33.000 | -0.39% | 3.91% | 0.430 | 0.430 | 11.000 |
| 325 | Capital loan note issued under GBP £1.2802bn Fixed Coupon Unsecured Loan note instrument 2027 | 3 | 5.000 | 15.000 | -0.44% | 3.86% | 0.193 | 0.193 | 5.000 |
| 326 | Capital loan note issued under GBP £1.2802bn Fixed Coupon Unsecured Loan note instrument 2027 | 3 | 5.000 | 15.000 | -0.58% | 3.72% | 0.186 | 0.186 | 5.000 |
| 327 | Capital loan note issued under GBP £1.2802bn Fixed Coupon Unsecured Loan note instrument 2027 | 3 | 5.000 | 15.000 | -0.39% | 3.91% | 0.196 | 0.196 | 5.000 |
| 328 | Capital loan note issued under GBP £1.2802bn Fixed Coupon Unsecured Loan note instrument 2027 | 3 | 5.000 | 15.000 | -1.15% | 3.15% | 0.158 | 0.158 | 5.000 |
| 329 | Capital loan note issued under GBP £1.2802bn Fixed Coupon Unsecured Loan note instrument 2027 | 3 | 5.000 | 15.000 | -1.10% | 3.20% | 0.160 | 0.160 | 5.000 |
| 330 | Capital loan note issued under GBP £1.2802bn Fixed Coupon Unsecured Loan note instrument 2027 | 3 | 8.000 | 24.000 | -1.50% | 2.80% | 0.224 | 0.224 | 8.000 |
| 331 | Capital loan note issued under GBP £1.2802bn Fixed Coupon Unsecured Loan note instrument 2027 | 3 | 3.000 | 9.000 | -1.69% | 2.61% | 0.078 | 0.078 | 3.000 |
| 332 | Capital loan note issued under GBP £1.2802bn Fixed Coupon Unsecured Loan note instrument 2027 | 3 | 13.000 | 39.000 | -1.64% | 2.66% | 0.346 | 0.346 | 13.000 |
| 333 | Capital loan note issued under GBP £1.2802bn Fixed Coupon Unsecured Loan note instrument 2027 | 3 | 5.000 | 15.000 | -1.24% | 3.06% | 0.153 | 0.153 | 5.000 |
| 334 | Capital loan note issued under GBP £1.2802bn Fixed Coupon Unsecured Loan note instrument 2027 | 3 | 8.000 | 24.000 | -1.38% | 2.92% | 0.234 | 0.234 | 8.000 |
| 335 | Capital loan note issued under GBP £1.2802bn Fixed Coupon Unsecured Loan note instrument 2027 | 3 | 5.000 | 15.000 | -1.63% | 2.67% | 0.134 | 0.134 | 5.000 |
| 336 | Capital loan note issued under GBP £1.2802bn Fixed Coupon Unsecured Loan note instrument 2027 | 3 | 5.000 | 15.000 | -1.82% | 2.48% | 0.124 | 0.124 | 5.000 |
| 337 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 5.000 | 50.000 | -1.35% | 2.95% | 0.148 | 0.148 | 5.000 |
| 338 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 5.000 | 50.000 | -1.89% | 2.41% | 0.121 | 0.121 | 5.000 |
| 339 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 5.000 | 50.000 | -1.59% | 2.71% | 0.136 | 0.136 | 5.000 |
| 340 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 5.000 | 50.000 | -1.69% | 2.61% | 0.131 | 0.131 | 5.000 |
| 341 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 10.000 | 100.000 | -1.87% | 2.43% | 0.243 | 0.243 | 10.000 |
| 342 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 28.000 | 280.000 | -1.88% | 2.42% | 0.678 | 0.678 | 28.000 |
| 343 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 12.000 | 120.000 | -1.69% | 2.61% | 0.313 | 0.313 | 12.000 |
| 344 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 5.000 | 50.000 | -1.75% | 2.55% | 0.128 | 0.128 | 5.000 |
| 345 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 5.000 | 50.000 | -1.72% | 2.58% | 0.129 | 0.129 | 5.000 |
| 346 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 5.000 | 50.000 | -1.89% | 2.41% | 0.121 | 0.121 | 5.000 |
| 347 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 6.000 | 60.000 | -1.73% | 2.57% | 0.154 | 0.154 | 6.000 |
| 348 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 8.000 | 80.000 | -1.81% | 2.49% | 0.199 | 0.199 | 8.000 |
| 349 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 17.000 | 170.000 | -1.66% | 2.64% | 0.449 | 0.449 | 17.000 |
| 350 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 8.000 | 80.000 | -1.64% | 2.66% | 0.213 | 0.213 | 8.000 |
| 351 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 10.000 | 100.000 | -1.86% | 2.44% | 0.244 | 0.244 | 10.000 |
| 352 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 7.000 | 70.000 | -1.82% | 2.48% | 0.174 | 0.174 | 7.000 |
| 353 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 7.000 | 70.000 | -1.96% | 2.34% | 0.164 | 0.164 | 7.000 |
| 354 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 15.000 | 150.000 | -2.11% | 2.19% | 0.329 | 0.329 | 15.000 |
| 355 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 5.000 | 50.000 | -2.78% | 1.52% | 0.076 | 0.076 | 5.000 |
| 356 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 15.000 | 150.000 | -2.73% | 1.57% | 0.236 | 0.236 | 15.000 |
| 357 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 7.000 | 70.000 | -2.53% | 1.77% | 0.124 | 0.124 | 7.000 |
| 358 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 13.000 | 130.000 | -2.85% | 1.45% | 0.189 | 0.189 | 13.000 |
| 359 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 5.000 | 50.000 | -2.95% | 1.35% | 0.068 | 0.068 | 5.000 |
| 360 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 5.000 | 50.000 | -2.95% | 1.35% | 0.068 | 0.068 | 5.000 |
| 361 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 5.000 | 50.000 | -3.02% | 1.28% | 0.064 | 0.064 | 5.000 |
| 362 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 5.000 | 50.000 | -3.00% | 1.30% | 0.065 | 0.065 | 5.000 |
| 363 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 15.000 | 150.000 | -2.98% | 1.32% | 0.198 | 0.198 | 15.000 |
| 364 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 39.000 | 390.000 | -2.80% | 1.50% | 0.585 | 0.585 | 39.000 |
| 365 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 9.000 | 90.000 | -2.59% | 1.71% | 0.154 | 0.154 | 9.000 |
| 366 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 10.000 | 100.000 | -2.41% | 1.89% | 0.189 | 0.189 | 10.000 |
| 367 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 20.000 | 200.000 | -2.33% | 1.97% | 0.394 | 0.394 | 20.000 |
| 368 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 20.000 | 200.000 | -2.43% | 1.87% | 0.374 | 0.374 | 20.000 |
| 369 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 15.000 | 150.000 | -2.28% | 2.02% | 0.303 | 0.303 | 15.000 |
| 370 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 15.000 | 150.000 | -2.31% | 1.99% | 0.299 | 0.299 | 15.000 |
| 371 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 10.000 | 100.000 | -2.38% | 1.92% | 0.192 | 0.192 | 10.000 |
| 372 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 15.000 | 150.000 | -2.63% | 1.67% | 0.251 | 0.251 | 15.000 |
| 373 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 10.000 | 100.000 | -2.15% | 2.15% | 0.215 | 0.215 | 10.000 |
| 374 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 20.000 | 200.000 | -1.78% | 2.52% | 0.504 | 0.504 | 20.000 |
| 375 | Capital loan note issued under GBP £600m Fixed Coupon Unsecured Loan note instrument 2034 | 10 | 35.000 | 350.000 | -1.71% | 2.59% | 0.907 | 0.907 | 35.000 |
| 376 | Capital loan note issued under GBP £1,750m Fixed Coupon Unsecured Loan note instrument 2042 | 18 | 15.000 | 270.000 | -0.34% | 3.96% | 0.594 | 0.594 | 15.000 |
| 377 | Capital loan note issued under GBP £1,750m Fixed Coupon Unsecured Loan note instrument 2042 | 18 | 25.000 | 450.000 | 0.57% | 4.87% | 1.218 | 1.218 | 25.000 |
| 378 | Capital loan note issued under GBP £1,750m Fixed Coupon Unsecured Loan note instrument 2042 | 18 | 10.000 | 180.000 | 0.94% | 5.24% | 0.524 | 0.524 | 10.000 |
| 379 | Capital loan note issued under GBP £1,750m Fixed Coupon Unsecured Loan note instrument 2042 | 18 | 16.000 | 288.000 | 0.21% | 4.51% | 0.722 | 0.722 | 16.000 |
| 380 | Capital loan note issued under GBP £1,750m Fixed Coupon Unsecured Loan note instrument 2042 | 18 | 15.000 | 270.000 | 0.25% | 4.55% | 0.683 | 0.683 | 15.000 |
| 381 | Capital loan note issued under GBP £1,750m Fixed Coupon Unsecured Loan note instrument 2042 | 18 | 25.000 | 450.000 | 0.30% | 4.60% | 1.150 | 1.150 | 25.000 |
| 382 | Capital loan note issued under GBP £1,750m Fixed Coupon Unsecured Loan note instrument 2042 | 18 | 29.000 | 522.000 | 0.50% | 4.80% | 1.392 | 1.392 | 29.000 |
| 383 | Capital loan note issued under GBP £1,750m Fixed Coupon Unsecured Loan note instrument 2042 | 18 | 20.000 | 360.000 | 0.38% | 4.68% | 0.936 | 0.936 | 20.000 |
| 384 | Capital loan note issued under GBP £1,750m Fixed Coupon Unsecured Loan note instrument 2042 | 18 | 10.000 | 180.000 | 0.62% | 4.92% | 0.492 | 0.492 | 10.000 |
| 385 | Capital loan note issued under GBP £1,750m Fixed Coupon Unsecured Loan note instrument 2042 | 18 | 10.000 | 180.000 | 0.88% | 5.18% | 0.518 | 0.518 | 10.000 |
| 386 | Capital loan note issued under GBP £1,750m Fixed Coupon Unsecured Loan note instrument 2042 | 18 | 10.000 | 180.000 | 1.10% | 5.40% | 0.540 | 0.540 | 10.000 |
| 387 | Capital loan note issued under GBP £1,750m Fixed Coupon Unsecured Loan note instrument 2042 | 18 | 25.000 | 450.000 | 1.33% | 5.63% | 1.408 | 1.408 | 25.000 |
| 388 | Capital loan note issued under GBP £1,750m Fixed Coupon Unsecured Loan note instrument 2042 | 18 | 15.000 | 270.000 | 1.37% | 5.67% | 0.851 | 0.851 | 15.000 |
| 389 | Capital loan note issued under GBP £1,750m Fixed Coupon Unsecured Loan note instrument 2042 | 18 | 25.000 | 450.000 | 1.45% | 5.75% | 1.438 | 1.438 | 25.000 |
| 390 | Capital loan note issued under GBP £1,750m Fixed Coupon Unsecured Loan note instrument 2042 | 18 | 30.000 | 540.000 | 1.48% | 5.78% | 1.734 | 1.734 | 30.000 |
| 391 | Capital loan note issued under GBP £1,750m Fixed Coupon Unsecured Loan note instrument 2042 | 18 | 10.000 | 180.000 | 0.79% | 5.09% | 0.509 | 0.509 | 10.000 |
| 392 | Capital loan note issued under GBP £1,750m Fixed Coupon Unsecured Loan note instrument 2042 | 18 | 15.000 | 270.000 | 1.04% | 5.34% | 0.801 | 0.801 | 15.000 |
| 393 | Capital loan note issued under GBP £1,750m Fixed Coupon Unsecured Loan note instrument 2042 | 18 | 15.000 | 270.000 | 1.08% | 5.38% | 0.807 | 0.807 | 15.000 |
| 394 | Capital loan note issued under GBP £1,750m Fixed Coupon Unsecured Loan note instrument 2042 | 18 | 50.000 | 900.000 | 0.94% | 5.24% | 2.620 | 2.620 | 50.000 |
| C2 | Floating rate instruments | | | | | | | | |
| 351 | | | | | | | | | |
| - | | | | | | | | | |
| 400 | | | | | | | | | |
| C3 | Index linked instruments | | | | | | | | |
| 401 | | | | | | | | | |
| - | | | | | | | | | |
| 450 | | | | | | | | | |
| | TOTAL FOR OTHER BORROWINGS | | 1809.560 | | | | 75.292 | 75.292 | 1809.560 |
| D | TOTALS | | 1809.560 | 14170.680 | | | 75.292 | 75.292 | 1809.560 |

| | | |
|---|---|---|
| E | RPI assumption | 4.3% |

| | | |
|---|---|---|
| F | ANALYSIS | |
| F | INDICATIVE INTEREST RATES | |
| F1 | Nominal interest | 4.2% |
| F2 | Cash interest | 4.2% |
| G | INDICATIVE DEBT PORTFOLIO BREAKDOWN | |
| G1 | Floating rate debt as percentage of total debt | 0 |
| G2 | Fixed rate debt as percentage of total debt | 100.0% |
| G3 | Index linked debt as percentage of total debt | 0 |
| G4 | Fixed rate debt and index linked debt as percentage of total debt | 100.0% |
| G5 | Weighted average years to maturity | 8 |

## Table 19a – Analysis of Borrowings due after more than One Year

At 31 March 2024 NIW borrowings related to Capital Loan Notes issued under three loan note agreements; £1,280,200,000 Fixed Coupon Unsecured Loan note 2027, £600,000,000 Fixed Coupon Unsecured Loan note 2034 and £1,750,000,000 Fixed Coupon Unsecured Loan note 2042.

The Loan notes were issued under £1,750,000,000 Fixed Coupon Unsecured Loan Note 2042 facility in the period from August 2022 to 31 March 2024 as the £1,280,200,000 Fixed Coupon Unsecured Loan note 2027 facility expired on 31 March 2016 and the £600,000,000 Fixed Coupon Unsecured Loan note 2034 facility expired on 31 March 2022.

The three facilities provide finance for capital investment or other purposes approved by the lender, the Department for Infrastructure.

The loan note subscription agreements provide that the loan notes in issue before 31 March 2010 carry a fixed rate of interest of 5.25%. Loan notes issued after this date carry fixed interest rates based on a margin of 0.85% above the reference gilt rate published by FTSE-Tradeweb on the date of issue of the loan note. FTSE-Tradeweb prices are the successor prices to those produced by the UK HM Government Debt Management Office (UK DMO) up until 21 July 2017 when the UK DMO ceased producing reference prices for gilts.

In 2023/24 Capital loan notes were accounted for as held to maturity borrowings.

In addition to the capital loan note instrument NIW had a committed facility available as a £20m overdraft which is available to 31 December 2027 or the end of any later extension period brought into effect for the contract between Northern Bank Limited (trading as Danske Bank) of Donegall Square West, Belfast, BT1 6JS (the "**Bank**") and the NICS dated 1 February 2023 reference ID3151653. That facility was not utilised during 2023/24.

At 31 March 2024, NIW had finance leases which were created at the inception of IFRS 16 Leases. Any finance leases with amount due after more than one year have been shown separately in the Table itself.

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 21 REGULATORY ACCOUNTS (HISTORIC COST ACCOUNTING)
ACTIVITY COSTING ANALYSIS - WATER SERVICE (NIW Only)

| | DESCRIPTION | UNITS | DP | 1 WATER RESOURCES & TREATMENT | 2 WATER DISTRIBUTION | 3 WATER SERVICE TOTAL |
|---|---|---|---|---|---|---|
| | **SERVICE ANALYSIS - WATER** | | | | | |
| **A** | **DIRECT COSTS** | | | | | |
| 1 | Employment costs | £m | 3 | 4.748 | 12 236 | 16.984 |
| 2 | Power | £m | 3 | 9.086 | 6.778 | 15.864 |
| 3 | Agencies | £m | 3 | 0.000 | 0 000 | 0.000 |
| 4 | Hired and contracted services | £m | 3 | 3.810 | 12.137 | 15.947 |
| 5 | Associated companies | £m | 3 | 0.000 | 0 000 | 0.000 |
| 6 | Materials and consumables | £m | 3 | 8.727 | 0 558 | 9.285 |
| 7 | Service charges | £m | 3 | 0.768 | 0 000 | 0.768 |
| 8 | Bulk supply imports | £m | 3 | 0.000 | 0 000 | 0.000 |
| 9 | Other direct costs | £m | 3 | 0.291 | 0 014 | 0.305 |
| 10 | Total direct costs | £m | 3 | 27.430 | 31.723 | 59.153 |
| 11 | General and support expenditure | £m | 3 | 17.284 | 16 682 | 33.966 |
| 12 | Functional expenditure | £m | 3 | 44.714 | 48.405 | 93.119 |
| **B** | **OPERATING EXPENDITURE** | | | | | |
| 13 | Customer services | £m | 3 | | | 7.038 |
| 14 | Scientific services | £m | 3 | | | 2.714 |
| 15 | Other business activities | £m | 3 | | | 0.503 |
| 16 | Total business activities | £m | 3 | | | 10.255 |
| 17 | Rates | £m | 3 | | | 8.434 |
| 18 | Doubtful debts | £m | 3 | | | 0.411 |
| 19 | Exceptional items | £m | 3 | | | 0.000 |
| 20 | Total opex less third party services | £m | 3 | | | 112.219 |
| 21 | Third party services - opex | £m | 3 | | | 0.000 |
| 21a | PPP Unitary Charges (Opex element) | £m | 3 | | | |
| 22 | Total operating expenditure | £m | 3 | | | 112.219 |
| 22a | Payment by concessionaire to operator | £m | 3 | | | |
| **C** | **OPEX)** | | | | | |
| 23 | Reactive and planned maintenance infrastructure | £m | 3 | 0.000 | 10.743 | 10.743 |
| 24 | Reactive and planned maintenance non-infrastructure | £m | 3 | 0.249 | 7.149 | 7.398 |
| **D** | **CAPITAL MAINTENANCE** | | | | | |
| 25 | Infrastructure renewals charge (excluding third party services) | £m | 3 | | | |
| 26 | Depreciation (allocated) | £m | 3 | 14.009 | 25.430 | 39.439 |
| 27 | Amortisation of deferred credits | £m | 3 | | | |
| 28 | Amortisation of intangible assets | £m | 3 | | | 0.000 |
| 29 | Business activities depreciation (non-allocated) | £m | 3 | | | 0.001 |
| 30 | Capital maintenance excluding third party services | £m | 3 | | | 35.408 |
| 31 | Third party services –depreciation | £m | 3 | | | 0.000 |
| 32 | Third party services - infrastructure renewals charge | £m | 3 | | | |
| 33 | Total capital maintenance | £m | 3 | | | 35.408 |
| 34 | Total operating costs | £m | 3 | | | 140.423 |
| **E** | **ADDITIONAL DISCLOSURES** | | | | | |
| 35 | Infrastructure renewals charge (excluding third party services) | £m | 3 | 25.432 | 0 000 | 25.432 |
| 36 | Amortisation of deferred credits | £m | 3 | | | 0.191 |
| 37 | Third party services - infrastructure renewals charge | £m | 3 | | | 0.000 |

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 21 REGULATORY ACCOUNTS (HISTORIC COST ACCOUNTING)
ACTIVITY COSTING ANALYSIS - WATER SERVICE - (PPP Only)

| | DESCRIPTION | UNITS | DP | 1 WATER RESOURCES & TREATMENT | 2 WATER DISTRIBUTION | 3 WATER SERVICE TOTAL |
|---|---|---|---|---|---|---|
| | **SERVICE ANALYSIS - WATER** | | | | | |
| **A** | **DIRECT COSTS** | | | | | |
| 1 | Employment costs | £m | 3 | | | |
| 2 | Power | £m | 3 | 9.073 | 0.000 | 9.073 |
| 3 | Agencies | £m | 3 | | | |
| 4 | Hired and contracted services | £m | 3 | | | |
| 5 | Associated companies | £m | 3 | | | |
| 6 | Materials and consumables | £m | 3 | | | |
| 7 | Service charges | £m | 3 | 0.096 | 0.000 | 0.096 |
| 8 | Bulk supply imports | £m | 3 | | | |
| 9 | Other direct costs | £m | 3 | 0.000 | 0.000 | 0.000 |
| 10 | Total direct costs | £m | 3 | 9.169 | 0.000 | 9.169 |
| 11 | General and support expenditure (NIW Only) | £m | 3 | 0.370 | 0.000 | 0.370 |
| 12 | Functional expenditure | £m | 3 | 9.539 | 0.000 | 9.539 |
| **B** | **OPERATING EXPENDITURE** | | | | | |
| 13 | Customer services | £m | 3 | | | |
| 14 | Scientific services | £m | 3 | | | 0.000 |
| 15 | Other business activities | £m | 3 | | | |
| 16 | Total business activities | £m | 3 | | | 0.000 |
| 17 | Rates | £m | 3 | | | 6.746 |
| 18 | Doubtful debts | £m | 3 | | | |
| 19 | Exceptional items | £m | 3 | | | |
| 20 | Total opex less third party services | £m | 3 | | | 16.285 |
| 21 | Third party services - opex | £m | 3 | | | |
| 21a | PPP Unitary Charges (Opex element) | £m | 3 | | | 14.667 |
| 22 | Total operating expenditure | £m | 3 | | | 30.952 |
| 22a | Payment by concessionaire to operator | £m | 3 | 10.042 | 0.000 | 10.042 |
| **C** | **OPEX)** | | | | | |
| 23 | Reactive and planned maintenance infrastructure | £m | 3 | | | |
| 24 | Reactive and planned maintenance non-infrastructure | £m | 3 | | | |
| **D** | **CAPITAL MAINTENANCE** | | | | | |
| 25 | Infrastructure renewals charge (excluding third party services) | £m | 3 | | | |
| 26 | Depreciation (allocated) | £m | 3 | 4.198 | 0.000 | 4.198 |
| 27 | Amortisation of deferred credits | £m | 3 | | | |
| 28 | Amortisation of intangible assets | £m | 3 | | | 0.000 |
| 29 | Business activities depreciation (non-allocated) | £m | 3 | | | 0.000 |
| 30 | Capital maintenance excluding third party services | £m | 3 | | | 4.127 |
| 31 | Third party services -depreciation | £m | 3 | | | 0.000 |
| 32 | Third party services - infrastructure renewals charge | £m | 3 | | | |
| 33 | Total capital maintenance | £m | 3 | | | 4.127 |
| 34 | Total operating costs | £m | 3 | | | 41.072 |
| **E** | **ADDITIONAL DISCLOSURES** | | | | | |
| 35 | Infrastructure renewals charge (excluding third party services) | £m | 3 | 0.000 | 0.000 | 0.000 |
| 36 | Amortisation of deferred credits | £m | 3 | | | 0.000 |
| 37 | Third party services - infrastructure renewals charge | £m | 3 | | | 0.000 |

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 21 REGULATORY ACCOUNTS (HISTORIC COST ACCOUNTING)
ACTIVITY COSTING ANALYSIS - WATER SERVICE - (TOTAL)

| | DESCRIPTION | UNITS | DP | 1 WATER RESOURCES & TREATMENT | 2 WATER DISTRIBUTION | 3 WATER SERVICE TOTAL |
|---|---|---|---|---|---|---|
| | **SERVICE ANALYSIS - WATER** | | | | | |
| **A** | **DIRECT COSTS** | | | | | |
| 1 | Employment costs | £m | 3 | 4.748 | 12.236 | 16.984 |
| 2 | Power | £m | 3 | 18.159 | 6.778 | 24.937 |
| 3 | Agencies | £m | 3 | 0.000 | 0.000 | 0.000 |
| 4 | Hired and contracted services | £m | 3 | 3.810 | 12.137 | 15.947 |
| 5 | Associated companies | £m | 3 | 0.000 | 0.000 | 0.000 |
| 6 | Materials and consumables | £m | 3 | 8.727 | 0.558 | 9.285 |
| 7 | Service charges | £m | 3 | 0.864 | 0.000 | 0.864 |
| 8 | Bulk supply imports | £m | 3 | 0.000 | 0.000 | 0.000 |
| 9 | Other direct costs | £m | 3 | 0.291 | 0.014 | 0.305 |
| 10 | Total direct costs | £m | 3 | 36.599 | 31.723 | 68.322 |
| 11 | General and support expenditure | £m | 3 | 17.654 | 16.682 | 34.336 |
| 12 | Functional expenditure | £m | 3 | 54.253 | 48.405 | 102.658 |
| **B** | **OPERATING EXPENDITURE** | | | | | |
| 13 | Customer services | £m | 3 | | | 7.038 |
| 14 | Scientific services | £m | 3 | | | 2.714 |
| 15 | Other business activities | £m | 3 | | | 0.503 |
| 16 | Total business activities | £m | 3 | | | 10.255 |
| 17 | Rates | £m | 3 | | | 15.180 |
| 18 | Doubtful debts | £m | 3 | | | 0.411 |
| 19 | Exceptional items | £m | 3 | | | 0.000 |
| 20 | Total opex less third party services | £m | 3 | | | 128.504 |
| 21 | Third party services - opex | £m | 3 | | | 0.000 |
| 21a | PPP Unitary Charges (Opex element) | £m | 3 | | | 14.667 |
| 22 | Total operating expenditure | £m | 3 | | | 143.171 |
| 22a | Payment by concessionaire to operator | £m | 3 | 10.042 | 0.000 | 10.042 |
| **C** | **OPEX)** | | | | | |
| 23 | Reactive and planned maintenance infrastructure | £m | 3 | 0.000 | 10.743 | 10.743 |
| 24 | Reactive and planned maintenance non-infrastructure | £m | 3 | 0.249 | 7.149 | 7.398 |
| **D** | **CAPITAL MAINTENANCE** | | | | | |
| 25 | Infrastructure renewals charge (excluding third party services) | £m | 3 | | | |
| 26 | Depreciation (allocated) | £m | 3 | 18.207 | 25.430 | 43.637 |
| 27 | Amortisation of deferred credits | £m | 3 | | | |
| 28 | Amortisation of intangible assets | £m | 3 | | | 0.000 |
| 29 | Business activities depreciation (non-allocated) | £m | 3 | | | 0.001 |
| 30 | Capital maintenance excluding third party services | £m | 3 | | | 39.535 |
| 31 | Third party services –depreciation | £m | 3 | | | 0.000 |
| 32 | Third party services - infrastructure renewals charge | £m | 3 | | | |
| 33 | Total capital maintenance | £m | 3 | | | 39.535 |
| 34 | Total operating costs | £m | 3 | | | 181.495 |
| **E** | **ADDITIONAL DISCLOSURES** | | | | | |
| 35 | Infrastructure renewals charge (excluding third party services) | £m | 3 | 25.432 | 0.000 | 25.432 |
| 36 | Amortisation of deferred credits | £m | 3 | | | 0.191 |
| 37 | Third party services - infrastructure renewals charge | £m | 3 | | | 0.000 |

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 22 REGULATORY ACCOUNTS (HISTORIC COST ACCOUNTING)
ACTIVITY COSTING ANALYSIS - SEWERAGE SERVICE (NIW Only)

| | DESCRIPTION | UNITS | DP | 1 SEWERAGE | 2 SEWAGE TREATMENT | 3 SLUDGE TREATMENT & DISPOSAL | 4 SEWERAGE SERVICE TOTAL |
|---|---|---|---|---|---|---|---|
| | **SERVICE ANALYSIS - SEWERAGE** | | | | | | |
| **A** | **DIRECT COSTS** | | | | | | |
| 1 | Employment costs | £m | 3 | 5.987 | 5.222 | 0.000 | 11.209 |
| 2 | Power | £m | 3 | 9.421 | 14.619 | 2.101 | 26.141 |
| 3 | Agencies | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 |
| 4 | Hired and contracted services | £m | 3 | 6.967 | 1.954 | 3.851 | 12.772 |
| 5 | Associated companies | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 |
| 6 | Materials and consumables | £m | 3 | 0.605 | 1.226 | 0.300 | 2.131 |
| 7 | Service charges | £m | 3 | 0.004 | 0.866 | 0.298 | 1.168 |
| 8 | Other direct costs | £m | 3 | 0.009 | 0.006 | 0.000 | 0.015 |
| 9 | Total direct costs | £m | 3 | 22.993 | 23.893 | 6.550 | 53.436 |
| 10 | General and support expenditure | £m | 3 | 13.563 | 20.336 | 3.959 | 37.858 |
| 11 | Functional expenditure | £m | 3 | 36.556 | 44.229 | 10.509 | 91.294 |
| **B** | **OPERATING EXPENDITURE** | | | | | | |
| 12 | Customer services | £m | 3 | | | | 6.173 |
| 13 | Scientific services | £m | 3 | | | | 2.274 |
| 14 | Other business activities | £m | 3 | | | | 0.441 |
| 15 | Total business activities | £m | 3 | | | | 8.888 |
| 16 | Rates | £m | 3 | | | | 11.160 |
| 17 | Doubtful debts | £m | 3 | | | | 0.396 |
| 18 | Exceptional items | £m | 3 | | | | 0.000 |
| 19 | Total opex less third party services | £m | 3 | | | | 111.738 |
| 20 | Third party services - opex | £m | 3 | | | | 0.000 |
| 20a | PPP Unitary Charges (Opex element) | £m | 3 | | | | |
| 21 | Total operating expenditure | £m | 3 | | | | 111.738 |
| 21a | Payment by concessionaire to operator | £m | 3 | | | | |
| **C** | **OPEX)** | | | | | | |
| 22 | Reactive and planned maintenance infrastructure | £m | 3 | 2.522 | 0.000 | 0.000 | 2.522 |
| 23 | Reactive and planned maintenance non-infrastructure | £m | 3 | 14.021 | 2.787 | 0.000 | 16.808 |
| **D** | **CAPITAL MAINTENANCE** | | | | | | |
| 24 | Infrastructure renewals charge (excluding third party services) | £m | 3 | | | | |
| 25 | Depreciation (allocated) | £m | 3 | 11.934 | 47.706 | 1.280 | 60.920 |
| 26 | Amortisation of deferred credits | £m | 3 | | | | |
| 27 | Amortisation of intangible assets | £m | 3 | | | | 0.000 |
| 28 | Business activities depreciation (non-allocated) | £m | 3 | | | | 0.000 |
| 29 | Capital maintenance excluding third party services | £m | 3 | | | | 60.920 |
| 30 | Third party services - depreciation | £m | 3 | | | | 0.000 |
| 31 | Third party services - infrastructure renewals charge | £m | 3 | | | | |
| 32 | Total capital maintenance | £m | 3 | | | | 60.920 |
| 33 | Total operating costs | £m | 3 | | | | 172.658 |
| **E** | **ADDITIONAL DISCLOSURES** | | | | | | |
| 34 | Infrastructure renewals charge (excluding third party services) | £m | 3 | 25.669 | | 0.000 | 25.669 |
| 35 | Amortisation of deferred credits | £m | 3 | | | | 5.145 |
| 36 | Third party services - infrastructure renewals charge | £m | 3 | | | | 0.000 |

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 22 REGULATORY ACCOUNTS (HISTORIC COST ACCOUNTING)
ACTIVITY COSTING ANALYSIS - SEWERAGE SERVICE (PPP Only)

| | DESCRIPTION | UNITS | DP | 1 SEWERAGE | 2 SEWAGE TREATMENT | 3 SLUDGE TREATMENT & DISPOSAL | 4 SEWERAGE SERVICE TOTAL |
|---|---|---|---|---|---|---|---|
| | **SERVICE ANALYSIS - SEWERAGE** | | | | | | |
| **A** | **DIRECT COSTS** | | | | | | |
| 1 | Employment costs | £m | 3 | | | | |
| 2 | Power | £m | 3 | 0.000 | 4.474 | 2.023 | 6.497 |
| 3 | Agencies | £m | 3 | | | | |
| 4 | Hired and contracted services | £m | 3 | | | | |
| 5 | Associated companies | £m | 3 | | | | |
| 6 | Materials and consumables | £m | 3 | | | | |
| 7 | Service charges | £m | 3 | | | | |
| 8 | Other direct costs | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 |
| 9 | Total direct costs | £m | 3 | 0.000 | 4.474 | 2.023 | 6.497 |
| 10 | General and support expenditure (NIW Only) | £m | 3 | 0.000 | 0.226 | 0.066 | 0.292 |
| 11 | Functional expenditure | £m | 3 | 0.000 | 4.700 | 2.089 | 6.789 |
| **B** | **OPERATING EXPENDITURE** | | | | | | |
| 12 | Customer services | £m | 3 | | | | |
| 13 | Scientific services | £m | 3 | | | | 0.106 |
| 14 | Other business activities | £m | 3 | | | | |
| 15 | Total business activities | £m | 3 | | | | 0.106 |
| 16 | Rates | £m | 3 | | | | 1.497 |
| 17 | Doubtful debts | £m | 3 | | | | |
| 18 | Exceptional items | £m | 3 | | | | |
| 19 | Total opex less third party services | £m | 3 | | | | 8.392 |
| 20 | Third party services - opex | £m | 3 | | | | |
| 20a | PPP Unitary Charges (Opex element) | £m | 3 | | | | |
| 21 | Total operating expenditure | £m | 3 | | | | |
| 21a | Payment by concessionaire to operator | £m | 3 | | | | |
| **C** | **OPEX)** | | | | | | |
| 22 | Reactive and planned maintenance infrastructure | £m | 3 | | | | |
| 23 | Reactive and planned maintenance non-infrastructure | £m | 3 | | | | |
| **D** | **CAPITAL MAINTENANCE** | | | | | | |
| 24 | Infrastructure renewals charge (excluding third party services) | £m | 3 | | | | |
| 25 | Depreciation (allocated) | £m | 3 | 0.000 | 4.867 | 0.000 | 4.867 |
| 26 | Amortisation of deferred credits | £m | 3 | | | | |
| 27 | Amortisation of intangible assets | £m | 3 | | | | 0.000 |
| 28 | Business activities depreciation (non-allocated) | £m | 3 | | | | 0.000 |
| 29 | Capital maintenance excluding third party services | £m | 3 | | | | 4.867 |
| 30 | Third party services - depreciation | £m | 3 | | | | 0.000 |
| 31 | Third party services - infrastructure renewals charge | £m | 3 | | | | |
| 32 | Total capital maintenance | £m | 3 | | | | 4.867 |
| 33 | Total operating costs | £m | 3 | | | | |
| **E** | **ADDITIONAL DISCLOSURES** | | | | | | |
| 34 | Infrastructure renewals charge (excluding third party services) | £m | 3 | 0.000 | | 0.000 | 0.000 |
| 35 | Amortisation of deferred credits | £m | 3 | | | | 0.000 |
| 36 | Third party services - infrastructure renewals charge | £m | 3 | | | | 0.000 |

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 22 REGULATORY ACCOUNTS (HISTORIC COST ACCOUNTING)
ACTIVITY COSTING ANALYSIS - SEWERAGE SERVICE (Total)

| | DESCRIPTION | UNITS | DP | 1 SEWERAGE | 2 SEWAGE TREATMENT | 3 SLUDGE TREATMENT & DISPOSAL | 4 SEWERAGE SERVICE TOTAL |
|---|---|---|---|---|---|---|---|
| | **SERVICE ANALYSIS - SEWERAGE** | | | | | | |
| **A** | **DIRECT COSTS** | | | | | | |
| 1 | Employment costs | £m | 3 | 5.987 | 5.222 | 0.000 | 11.209 |
| 2 | Power | £m | 3 | 9.421 | 19.093 | 4.124 | 32.638 |
| 3 | Agencies | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 |
| 4 | Hired and contracted services | £m | 3 | 6.967 | 1.954 | 3.851 | 12.772 |
| 5 | Associated companies | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 |
| 6 | Materials and consumables | £m | 3 | 0.605 | 1.226 | 0.300 | 2.131 |
| 7 | Service charges | £m | 3 | 0.004 | 0.866 | 0.298 | 1.168 |
| 8 | Other direct costs | £m | 3 | 0.009 | 0.006 | 0.000 | 0.015 |
| 9 | Total direct costs | £m | 3 | 22.993 | 28.367 | 8.573 | 59.933 |
| 10 | General and support expenditure | £m | 3 | 13.563 | 20.562 | 4.025 | 38.150 |
| 11 | Functional expenditure | £m | 3 | 36.556 | 48.929 | 12.598 | 98.083 |
| **B** | **OPERATING EXPENDITURE** | | | | | | |
| 12 | Customer services | £m | 3 | | | | 6.173 |
| 13 | Scientific services | £m | 3 | | | | 2.380 |
| 14 | Other business activities | £m | 3 | | | | 0.441 |
| 15 | Total business activities | £m | 3 | | | | 8.994 |
| 16 | Rates | £m | 3 | | | | 12.657 |
| 17 | Doubtful debts | £m | 3 | | | | 0.396 |
| 18 | Exceptional items | £m | 3 | | | | 0.000 |
| 19 | Total opex less third party services | £m | 3 | | | | 120.130 |
| 20 | Third party services - opex | £m | 3 | | | | 0.000 |
| 20a | PPP Unitary Charges (Opex element) | £m | 3 | | | | |
| 21 | Total operating expenditure | £m | 3 | | | | |
| 21a | Payment by concessionaire to operator | £m | 3 | | | | |
| **C** | **OPEX)** | | | | | | |
| 22 | Reactive and planned maintenance infrastructure | £m | 3 | 2.522 | 0.000 | 0.000 | 2.522 |
| 23 | Reactive and planned maintenance non-infrastructure | £m | 3 | 14.021 | 2.787 | 0.000 | 16.808 |
| **D** | **CAPITAL MAINTENANCE** | | | | | | |
| 24 | Infrastructure renewals charge (excluding third party services) | £m | 3 | | | | |
| 25 | Depreciation (allocated) | £m | 3 | 11.934 | 52.573 | 1.280 | 65.787 |
| 26 | Amortisation of deferred credits | £m | 3 | | | | |
| 27 | Amortisation of intangible assets | £m | 3 | | | | 0.000 |
| 28 | Business activities depreciation (non-allocated) | £m | 3 | | | | 0.000 |
| 29 | Capital maintenance excluding third party services | £m | 3 | | | | 65.787 |
| 30 | Third party services - depreciation | £m | 3 | | | | 0.000 |
| 31 | Third party services - infrastructure renewals charge | £m | 3 | | | | |
| 32 | Total capital maintenance | £m | 3 | | | | 65.787 |
| 33 | Total operating costs | £m | 3 | | | | |
| **E** | **ADDITIONAL DISCLOSURES** | | | | | | |
| 34 | Infrastructure renewals charge (excluding third party services) | £m | 3 | 25.669 | | 0.000 | 25.669 |
| 35 | Amortisation of deferred credits | £m | 3 | | | | 5.145 |
| 36 | Third party services - infrastructure renewals charge | £m | 3 | | | | 0.000 |

# Tables 21 & 22 Activity Costing Analysis – Water & Sewerage Service

The costs in Tables 21 & 22 are populated with the updated information available at 30th May 2024 for the year ended 31st March 2024. AIR24 costs are reported using IFRS following the change made in AIR19.

## Allocation of costs between expenditure types

Expenditure is classified as capital expenditure if it satisfies the following criteria:

- It exceeds the threshold limit set at £1,000 (Note: land has a capital threshold of zero) and,
- It was used for one or more of the following purposes:
    1. Initial construction or purchase of a fixed asset (e.g. land, buildings, vehicles, plant, computers);
    2. Extension of a fixed asset which increases its size or operating capacity;
    3. Improvement of a fixed asset beyond the assets original condition on construction or acquisition;
    4. To substantially extend the original life of a fixed asset;
    5. To renew or replace an existing fixed asset; and
    6. Contributions paid to another body towards the cost of work that would be fixed asset expenditure were it undertaken by NI Water, provided that the resultant ownership of the assets is vested in NI Water.

Some items, individually, may be valued at less than £1,000 but because they form part of an operational configuration they should be capitalised; for example workstations which comprise a monitor, keyboard, central processor, mouse and printer should be capitalised.

Cost includes own work capitalised comprising the direct costs of materials, labour and applicable overheads. Interest costs relating to the acquisition of fixed assets have not been capitalised in AIR24. This is consistent with past years.

Fixed assets comprise:

- **Infrastructure assets**
  Infrastructure assets comprise a network of systems consisting of mains and sewers, impounding and pumped raw water storage reservoirs, sludge pipelines and sea outfalls. The infrastructure renewals charge for infrastructure assets is included in Tables 21 and 22 and is the estimated level of annual expenditure required to maintain the operating capability of the network, which is based on the Company's Asset Management Plan.
- **Other assets**
  Other assets comprise:
  a) Land and non-operational buildings;
  b) Operational assets (consisting of sites used for water and wastewater treatment, pumping or storage where not classified as infrastructure); and
  c) Vehicles, mobile plant and equipment.

## Allocation of costs between service areas

All costs entered to NI Water's Oracle General Ledger (GL) have a 5-segment coding combination (account, cost centre, service activity, location and project). For the purpose of Tables 21 & 22 Opex costs from the General Ledger have been allocated between Water and Sewerage services and between service areas within the Water and Sewerage activities by mapping NI Water's Oracle General Ledger to the tables using the coding structure.

Expense Groups are mapped to the NIAUR cost categories – **Appendix 1** provides details of this mapping. The Services Activities segment is mapped to the NIAUR service areas – **Appendix 2** provides details of this mapping.

The only exception to this is in direct General & Support expenditure, which can relate to more than one service area or activity. These costs are collated into 5 separate 'Overhead Pots' and are apportioned either on the basis of the directly coded spend; on the basis of the total direct costs or in the case of M&E function costs using a split provided by the business. The quantum of the apportionment of the General Overhead Pots has increased from AIR23 to AIR24 (by circa £15.8M). This is explained in the General & Support section further on in the commentary. The table below shows the basis of apportionment of 'indirect' General & Support expenditure between service activities in AIR24.

| Allocation of General and Support | | Water | | Sewerage | | | |
|---|---|---|---|---|---|---|---|
| Description | Amount £ | R&T | Distribution | Sewerage | Sewage Treatment | Sludge Treatment & Disp | Comments |
| G&S Overhead Pot 1 | 56,568,452 | 28.3% | 25.1% | 18.2% | 21.8% | 6.6% | Non ops general spend. Excludes CS, SS & Regulation |
| G&S Overhead Pot 2a - Water | 699,237 | 53.0% | 47.0% | 0.0% | 0.0% | 0.0% | Water related activities only |
| G&S Overhead Pot 2b - Sewerage | 264,270 | 0.0% | 0.0% | 39.1% | 46.8% | 14.1% | Sewerage activities only |
| G&S Overhead Pot 3 SA 390 | -276,750 | 28.3% | 25.1% | 18.2% | 21.8% | 6.6% | Water and sewerage networks spend only |
| G&S Overhead Pot 3 M&E | 12,271,306 | 4.4% | 13.4% | 23.2% | 58.9% | 0.0% | M&E Function split based on split supplied by M&E Function |

The percentage splits in AIR24 used to allocate General & Support expenditure are consistent with AIR23. The allocation to Water from General & Support Overhead Pot 1, which contains approx. 81% of the costs, is 53.4% in AIR24 (53.4% in AIR23).

There is no longer any cost associated with the CRC Energy Efficiency Scheme previously included within Power.

During the year NI Water incurred less than £0.1M in fines, associated costs and provisions for fines. These costs are included within General & Support costs. In 2023-24 NI Water has not paid any fines under the Streetworks (NI) Order.

### Allocation of costs to business activities and rates

All costs which relate to business activities e.g. Customer Services, Scientific Services and Regulation, were collated using the relevant cost centre segment from the Oracle General Ledger. The total expenditure attributable to these activities is apportioned to Water and Sewerage on the basis of the directly coded spend. This basis is consistent with past returns. The allocation to Water has increased from 52.4% in AIR23 to 53.3% in AIR24 and subsequently Sewerage has decreased from 47.6% in AIR23 to 46.7% in AIR24. This is driven by a decrease in Power costs which has reduced the total direct costs in Sewerage.

The table below shows the basis of apportionment for AIR24.

| Apportionment of business activities | | Water | | Sewerage | | |
|---|---|---|---|---|---|---|
| Description | Total £ | R&T | Distribution | Sewerage | Sewage Treatment | Sludge Treatment & Disp |
| **BASIS** - Total spend (Includes general & Support) | 129,181,066 | 28.3% | 25.0% | 18.1% | 22.0% | 6.6% |
| **Apportionment** | | | | | | |
| Water / Sewerage split | 100% | 53.3% | | 46.7% | | |

Rates are coded correctly at source and have fed into the relevant Table. In AIR24 Water rates have decreased to 54.5% from 59.6% in AIR23. Subsequently Sewerage rates have increase to 45.6% from 40.4% in AIR23. This is driven by a NAV revaluation in 23/24.

### Allocation of costs to unappointed activities

A final allocation of costs has been made to unappointed activities based on an assumption that these activities are either charged on a full cost recovery basis, and thus costs broadly

mirror income generated, or the income does not give rise to any additional operational costs (e.g. rents received or fishing rights). This is consistent with previous AIR returns.

**Atypical costs and provisions**

**2023/24 Atypical costs and credits**

| Description | Amount | Comment |
|---|---|---|
| PPP atypicals | [redacted] | Primarily relating to Omega BREF costs. See PPP section of this commentary for further information. |
| BI consultancy | £0.6M | Only BI related consultancy costs are deemed to be atypical. In addition to consultancy costs, NIW also incurred £1.8M in staff related costs and £0.1M in other costs in order to deliver the BI (ACE) programme in 2023-24. |
| Major Incidents | £0.3M | Costs arising from High Demand in June 2023. |
| Holiday Pay | £9.2M | Holiday Pay Settlement based on Supreme Court judgement on the PSNI Case |
| **Total** | [redacted] | |

**Business Improvement (BI) Programme**

The Business Improvement Programme, also known as ACE (Achieving Customer Excellence) seeks to address four strategic strands:

- Improve services to Customers;
- Develop the NI Water people;
- Build a more efficient and effective organisation; and
- Exceed, where possible, quality compliance standards.

Total Opex on the BI Programme in AIR24 was £2.5M which is £0.3M lower than AIR23 (£2.8M). This is due to a decrease in Consultancy Fees.

**Voluntary Early Retirement / Voluntary Severance / Ill Health retirement**

During 2023-24 NI Water made no payments under Voluntary Early Retirement (VER), Voluntary Severance (VS) and Ill Health Retirement schemes. This is in line with AIR23.

**Negative Opex**

NIW generate income from the sale of electricity and Renewable Obligation Certificates (ROCs) by way of water turbine and solar installations and from payments made for participation in the security of electricity supply back up services. In 2023-24 this income amounted to £1.5M which is a decrease of £0.3M from AIR23. This was mostly driven by energy tariffs.

**Employment Costs**

Staff costs for total NI Water come to circa £76.6M as detailed below which has increased from AIR23 (£71.1M). Only circa £28.2M is included in Employment Costs (Line 1) in Tables 21 & 22 (AIR23 circa £25.6M).

The table below provides the reconciliation between these amounts:

| Description | Amount | Table 21/22 location |
|---|---|---|
| Industrial Wages | £23.5M | |
| Salaries | £51.2M | |
| Temporary Staff | £0.6M | |
| Other Costs of Employment | £0.3M | |
| Staff Expenses | £1.0M | |
| **Total NI Water staff costs** | **£76.6M** | |
| Less: | | |
| Customer Services | (£6.5M) | Customer Services |
| Scientific Services | (£2.7M) | Scientific Services |
| Regulation | (£0.8M) | Other Business Activities |
| Unallocated | (£38.4M) | General & Support |
| **Total Employment Costs** | **£28.2M** | **£17.0M Table 21 and £11.2M Table 22** |

The unallocated amount of circa £38.4M is included in General & Support and has been apportioned between Table 21 and 22, across each of the columns, based on total direct costs, with the exception of M&E Employment costs which are allocated on the basis of a split provided by the business.

Total NI Water staff costs have increased by approximately £5.5M from AIR23 (£71.1M) due to an increase in Industrial Wages of £3.4M and an increase in Salaries of £2.2M. Wages and Salaries have increased primarily due to annual pay increases.

**Hired & Contracted**

Hired and Contracted Services of circa £28.7M in Table 21 and Table 22 are split out in the table below. The corresponding charge in the AIR23 was circa £26.9M.

| Hired & Contracted Services: | Table 21 | Table 22 | TOTAL |
|---|---|---|---|
| Operational Contractors | £13.9M | £12.5M | £26.4M |
| Other Contractors | £1.6M | £0.0M | £1.6M |
| Outsourcing | £0.4M | £0.3M | £0.7M |
| Consultants | £0.0M | £0.0M | £0.0M |
| **TOTAL** | **£15.9M** | **£12.8M** | **£28.7M** |

Within the Contractors costs of £15.9M in Table 21, circa £3.8M relates to the cost of contractors for Water Treatment with the balance being the cost of contractors to facilitate the maintenance of the networks. This is a £1.3M increase from AIR23 which will be explained in Table 21 Line 4 below. Within the Operational Contractors cost of £12.8M in Table 22, circa £3.9M is for the cost of the various Sludge Disposal Routes, circa £7.0M is for the maintenance of the Sewerage network and the balance relates to the costs of Sewage Treatment (including the costs of Skip Hire etc.). The cost of the maintenance of the Sewerage Network has increased by £0.5M from AIR23. This will be explained in Table 22 Line 4 below.

There is no spend on Consultants Fees within Hired and Contracted in AIR24.

**General & Support Costs**

General & Support costs have increased by circa £15.8M from AIR23 (£56.7M) to AIR24 (£72.5M).

The principal costs in this expenditure line are:

| Description | Amount | Table 21/22 location |
|---|---|---|
| Unallocated Employment Costs | £38.4M | Included in General & Support (Removed from Employment Costs) |
| Unallocated Power | £0.8M | Included in General & Support (Removed from Power Costs) |
| Unallocated Hired & Contracted Costs | £10.9M | Included in General & Support (Removed from Hired & Contracted) |
| Unallocated Materials & Consumables | £2.4M | Included in General & Support (Removed from Materials & Consumables) |
| Unallocated Other Direct Costs | £14.9M | Included in General & Support (Removed from Other Direct Costs) |
| Communication | £0.9M | General & Support |
| Mobile V&P Charges | £1.4M | General & Support |
| Other | £2.8M | General & Support |
| **Total** | **£72.5M** | **£34.3M Table 21 and £38.2M Table 22** |

General & Support costs were apportioned across Table 21 & Table 22 based on either the total direct costs allocated to each column or in the case of the M&E Function based on a split as supplied by the Function. Service Activities are mapped to the NIAUR service areas in **Appendix 2**. This approach was consistently applied to both AIR24 and AIR23. See the **Allocation of costs between service areas** section at the start of the commentary.

The main difference from AIR23 is in Unallocated Other Direct Costs (£9.2M increase). Other significant differences include Unallocated Employment Costs (£1.9M increase) and Unallocated Hired & Contracted (£2.5M increase).

The increase in Unallocated Other Direct Costs and Unallocated Hired & Contracted is due to expenditure on major projects to move NIW's financial system and customer contact & billing system to cloud based solutions.

The increase in Unallocated Employment Costs has been explained under Employment Costs.

**Table 21 PPP only**

**Line 2 - Power costs**

Power costs for the PPP Alpha sites of £9.073m has reduced by 42.3% from the AIR23 reported figure of £15.728m. The average price per unit (APPU) for electricity (all lots) reduced by 30.0%, therefore, an overall reduction of 42.3% appears reasonable when coupled with distribution input from Alpha sites falling by 2.4% in the reporting year.

**Line 7 - Service charges**

This line includes the costs of abstraction licences at each of the PPP Alpha sites. The figure has increased by an inflationary amount from AIR23.

**Line 11 - General & support expenditure**

General and support expenditure has been calculated on the same basis as in AIR22. These costs have increased from that reported in AIR22 (£370k vs £175k) largely due additional legal costs on the Alpha contract in connection with deeds of variation.

**Line 14 - Scientific services**

The company does not incur any net costs associated with scientific services for Alpha as costs are offset by a reduction in the payment to the PPP Concessionaire.

**Line 17 - Rates**

Rates costs allocated to PPP have reduced by 14.0% (£6.746m in AIR24 vs £7.840m in AIR23). The overall cumulo rates charge reduced by 12.0% and the proportion of DI being taken from PPP sites also reduced from 45.79% to 44.78%.

**Line 21a - PPP unitary charges (Opex)**

This line data is drawn directly from the Company's accounts. No additional reconciliation is required.

During the reporting year the Alpha Concessionaire recognised performance deductions of £0.384m and this is reflected in the £14.667m opex charge. The charge also includes an atypical credit of £0.770m as follows:

| | |
|---|---|
| Quality Monitoring Change credit | (£0.621m) |
| EIB Step-down | (£0.067m) |
| Refund in respect of reorganisation costs | (£0.082m) |
| **Total** | **(£0.770m)** |

Further details on each of these are given in the commentary to table 42 line 10.
The increase of £1.558m in the unitary charge cost from AIR22 is made up as follows:

| | |
|---|---|
| Increase in capacity charge | £1.204m |
| Increase in volumetric charge (inflation and flow related) | £0.551m |
| Increase in performance deductions | (£0.036m) |
| Increase in atypical credits | (£0.048m) |
| Increase in amounts capitalised | (£0.483m) |
| Decrease in interest element of charge | £0.370m |
| | **£1.558m** |

**Line 22a - Payment by concessionaire to operator**

Inputs for this line are obtained directly from the PPP contractor.

**Table 22 PPP only**

**Line 2 - Power costs**

Power costs have reduced from AIR23 by 32.9%. This includes a 24.7% reduction in sewage treatment and a 46.0% reduction in sludge treatment & disposal. Average APPU in the reporting year fell by 30.0% from AIR23 over all lots.

In sewage treatment, flows were 15.2% higher than AIR23, driven by rainfall which was 25.5% higher than the prior year. When coupled with the APPU reduction, the overall 24.7% reduction in AIR24 seems reasonable.

In terms of sludge disposal, incinerated sludge volumes were 4.0% lower than AIR23. Self-generated units from the incinerator were 43.0% higher meaning an overall decrease of 11.2% in grid units used by the incinerator since AIR23. The APPU of these grid units was 37.6% lower than the previous year. When combined with Ballynacor STC costs (which were down 23.5% on AIR23), the overall reduction in sludge disposal is 46.0%.

The allocation of the Ballynacor site costs between Sludge & WW has been revised to reflect actual usage, however there is still a 1 year lag with 2022-23 actuals being used as a proxy for 2023-24 as outturn reports are not available until July. The allocation to sludge has reduced from 15.49% in AIR23 to 15.24% in AIR24. All other allocations are consistent with AIR22.

Kinnegar: Power costs are not recorded as

i) they are not paid directly by the Company and
ii) they are part of the Unitary Charge payment to the Concessionaire.

**Line 8 - Other direct costs**

Nil

**Line 10 - General & support expenditure**

The general and support expenditure has been calculated in the same way as for AIR23 reflecting all costs associated with P101 cost centre. These costs have reduced from [redacted] in AIR23 to [redacted] in AIR24 largely due to reduced consultancy costs.

Total general and support costs associated with the Omega contract were calculated at [redacted] and two sevenths of this has been allocated to column 3 to reflect costs associated with Duncrue and Ballynacor sludge facilities, the remaining five sevenths are associated with the 5 Omega WWTW facilities and are reported along with Kinnegar in column 2.

**Line 13 - Scientific services**

Scientific Services costs reflect the contract sampling and analysis costs borne by the Company in providing its sampling and analytical contractual obligations to the Kinnegar and Omega Facilities in Service: Kinnegar, North Down, Richhill, Ballyrickard, Ballynacor and Armagh. This cost has decreased from AIR23 [redacted] in AIR24 vs [redacted] in AIR23) mainly as a result of a PPP samples representing a lower proportion of all samples taken.

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**Line 16 - Rates**

The rates figure for Kinnegar and each of the Omega sites were taken directly from the rates bills. The bill for the Duncrue site was allocated between PPP and NIW in line with the total area of the site occupied by PPP. PPP occupy 15% of the Duncrue site. The increase in rates cost in AIR23 is 4.2% relative to AIR23.

**Line 20a - PPP unitary charges (Opex)**

Kinnegar costs have decreased by [redacted] from [redacted] in AIR23 to [redacted] in the reporting year. The difference is due to a number of factors as set out below:

| | |
|---|---|
| Increase in volumetric charge (inflation and flow related) | [redacted] |
| Decrease in atypical credits | |
| Increase in amounts capitalised | |
| Decrease in interest element of charge | |
| | |

Omega costs have increased by £3.264m from £11.558m in AIR23 to £14.822m in the reporting year. The movements causing this decrease have been set out below and is mainly due to higher variable costs.

| | |
|---|---|
| Increase in volumetric charge (inflation and flow related) | [redacted] |
| Decrease in performance deductions | |
| Increase in atypical credits | |
| Increase in amounts capitalised | |
| Decrease in interest element of charge | |
| | |

This line includes atypical credits of [redacted] on Omega and atypical debits of £0.022m in Kinnegar. Further details on all of these atypical amounts are given in the commentary to line 10 of table 42.

**Line 21a - Payment by concessionaire to operator**

Inputs for this line are obtained directly from the PPP contractor.

**Table 21 – NI Water Total**

**A - Direct Costs**

Table 21 Total Expenditure has increased by circa £1.2M from AIR23 to AIR24. This is mainly driven by increases in General & Support Expenditure £8.1M, Employment Costs £1.5M and Materials and Consumables £1.7M offset by a decrease in Power £12.9M as detailed below. Various other variances which are explained on a line-by-line basis below:

- Line 1: Employment costs have increased by circa £1.5M from AIR23. This is due to the annual inflationary pay rise.
- Line 2: Power costs include electricity costs and fuel costs for power generation. Overall the costs have decreased by £12.9M from AIR23. The reason for this is due to a large decrease in energy tariffs.
  Power costs include £9.1M related to PPP.
- Line 3: Agencies – there are no costs in this line.
- Line 4: Hired and Contracted Services have increased by circa £1.4M from AIR23. The increase is driven by higher reactive networks maintenance costs and higher grounds maintenance costs at impounding reservoirs in line with Reservoirs Act legislation.
- Line 5: Associated companies – there are no costs in this line.
- Line 6: Materials and Consumables have increased from AIR23 by £1.7M. The increase is driven by higher Material & Consumable costs due to factors such as energy costs & haulage costs. The main increase is in Chemicals where the

production process can be heavily energy dependent and suppliers had previously locked in energy costs at lower rates. With energy prices locked in it also takes time for rate reductions to materialise.

- Line 7: Service Charges – the costs are £0.9M with the majority of the costs in WRT for abstraction licences. These are broadly consistent with AIR23. Service Charges include circa £0.1M for PPP.
- Line 8: Bulk Supply imports – there are no costs in this line.
- Line 9: Other Direct Costs are immaterial and broadly in line with AIR23.
- Line 10: Total Direct Costs – this is a calculated line and is the total of Line 1-9. AIR24 direct costs are £8.0M lower than AIR23. This is driven by the decrease in Power as detailed above.
- Line 11: General & Support expenditure has increased by circa £8.1M from AIR23 to AIR24. The reason for the increase in General & Support expenditure has been explained above. A percentage of this is allocated to Table 21- see the Allocation of costs between service areas section at the start of the commentary. Service Activities are mapped to the NIAUR service areas in **Appendix 2**. See the **Allocation of costs between service areas** section at the start of the commentary.
  General & Support expenditure include circa £0.4M for PPP.
- Line 12: This is the calculated total line for functional expenditure which has increased by £0.1M from AIR23 as a result of the increase in General & Support Costs as explained in Line 11 above. Line 12 includes £9.5M of costs associated with PPP (AIR23 £16.0M).

**B - Operating Expenditure**

- Line 13: Customer Services costs have increased £0.5M from AIR23 in Table 21. This is driven by an increase in total Customer Services costs. The increase in costs is due to higher Outsourcing and Consultant costs relating to NIW Customer Contact and Billing System. Customer Services costs are apportioned based on the percentage of direct costs from Table 21 & 22. In AIR24 the percentage split was calculated at 53.3% Table 21 and 46.7% Table 22. In AIR23 the percentage split was 52.4% and 47.6% between Table 21 & 22 respectively.
- Line 14: Scientific Services costs have increased £0.5M from AIR23. This is driven by Employment Costs as detailed above. Scientific Services costs have been split using the same percentage basis as Customer Services as detailed above in line 13.
- Line 15: Other Business Activities – Regulatory costs have increased £0.2M from AIR23 as a result of higher Regulation consultancy costs. These costs are apportioned on the same basis as Line 13 and Line 14.
- Line 16: Total Business Activities – this is a calculated line and is the total of Line 13, 14 and 15 and has increased £1.2M from AIR23 as detailed above.
- Line 17: Local authority rates have decreased £2.0M from AIR23. This is driven by a NAV revaluation in 23/24. Rates include circa £6.7M relating to PPP sites.
- Line 18: Doubtful debts have increased by £0.4M from AIR23. The doubtful debts have split between Table 21 and Table 22 on a specific line by line basis, consistent with what was done in AIR23.
- Line 19: Exceptional items– there are no costs in this line.
- Line 20: Total Opex less third-party services – this is a calculated line and is the total of line 12,16,17,18 and 19. This has decreased by circa 0.3M from AIR23 driven by the decreases in the Rates as detailed above.
- Line 21: Third party services are immaterial.
- Line 21a: Total PPP Unitary Charge has increased by circa £1.6M from the AIR23 charge at £14.7M in AIR24. See Table 42 commentary for details.

- Line 22: Total operating expenditure, this is a calculated line and is the total of line 20, 21 and 21a. This line has increased by £1.2M from AIR23 due to the increase in PPP costs as discussed. This agrees to Table 35 line 24.
  Total operating expenditure includes circa £31.0M relating to PPP (AIR23 £36.9M).
- Line 22a: This figure has increased £1.2M from AIR23 and can vary from year to year depending upon volumes of water dispatched, changes in the volumetric charge, deductions incurred and indexation. See Table 42 commentary for details.

**C Reactive & Planned Maintenance**

- Line 23: Infrastructure, this figure has increased by circa £0.5M from AIR23. This is explained in Line 4 above.
- Line 24: Non-infrastructure, this figure has decreased by circa £3.6M from AIR23. This is as a result of the decreased Pumping costs driven by the decrease in Power costs.

**Leakage costs**

Operating costs relating to leakage have increased by £0.2M in AIR23 at £8.5M in AIR24. This is as a result of increased staff costs with the introduction of the Leakage Employment Accelerator Program. Capital expenditure has increased £0.6M from AIR23 to AIR24.

**Table 22 – NI Water Total**

**A - Direct Costs**

Total Expenditure in Table 22 has increased £2.7M from AIR23. This is mainly driven by increases in General & Support Expenditure £7.7M, Employment Costs £1.1M and PPP Unitary Charges £2.8M offset by a decrease in Power £11.8M as detailed below. Various other variances which are explained on a line-by-line basis below:

- Line 1: Employment costs have increased by circa £1.1M from AIR23. This is due to the annual inflationary pay rise.
- Line 2: Power costs include electricity costs and fuel costs for power generation. Overall the costs have decreased by £11.8M in AIR24 from AIR23. The reason for this is due to a large decrease in energy tariffs.

  In AIR24 the Wastewater Field Managers provided a percentage estimate of power costs between Sewage Treatment and Sludge Treatment at each of the WWTWs where there are both activities. These percentages were applied to the power costs to calculate the costs for each activity. This is the same rationale as AIR23.

  There is one electricity meter at Duncrue Street which includes the costs for the Belfast WWTWs and the Incinerators which are operated by PPP. The power team supplied an estimated 51:49 split between the Belfast WWTWs and the Incinerators (based on an estimated KWhr usage and a number of sub-meters) which has been used to calculate the amount relating to Sewage Treatment at Belfast WWTW's. The split in AIR23 was 44:56 for the Belfast and Incinerators..

  Power costs include £6.5M for PPP (AIR23 £9.7M).

- Line 3: Agencies – there are no costs in this line.
- Line 4: Hired and Contracted services have increased £0.4M from AIR23. The increase is driven by higher Sludge Disposal costs.
- Line 5: Associated companies– there are no costs in this line.

- Line 6: Materials & Consumables have increased £0.4M from AIR23. The increase is driven by higher Material & Consumable costs due to factors such as energy costs & haulage costs. The main increase is in Chemicals where the production process can be heavily energy dependent and suppliers had previously locked in energy costs at lower rates. With energy prices locked in it also takes time for rate reductions to materialise.
- Line 7: Service Charges are in line with AIR23.
- Line 8: Other Direct Costs are immaterial.
- Line 9: Total Direct Costs – this is a calculated line and is the total of lines 1-8. AIR24 direct costs are £10.0M lower than AIR23. This is driven by the decrease in Power as detailed above.
- Line 10: General & Support expenditure has increased by circa £7.7M from AIR23 to AIR24. The reason for the increase in General & Support expenditure has been explained above. A percentage of this is allocated to Table 22- see the Allocation of costs between service areas section at the start of the commentary. Service Activities are mapped to the NIAUR service areas in **Appendix 2**. See the **Allocation of costs between service areas** section at the start of the commentary.
  The NI Water Total costs include circa £0.3M for PPP (AIR23 £0.3M).
- Line 11: This is the calculated total line for Functional Expenditure which has decreased by £2.3M. This decrease is driven by the decrease in Power, offset by the increase in General & Support Costs as discussed above. Line 11 includes costs of £6.8M associated with PPP (AIR23 £10.0M).

**B - Operating Expenditure**

- Line 12: Customer Services costs have increased £0.2M from AIR23 in Table 22. Customer Services costs are apportioned based on the percentage of direct costs from Table 21 & 22. In AIR24 the percentage split was calculated 53.3% Table 21 and 46.7% Table 22. In AIR23 the percentage split was 52.4% and 47.6% between Table 21 & 22 respectively.
- Line 13: Scientific Services costs have increased £0.3M from AIR23. Scientific Services costs have been split using the same percentage basis as Customer Services as detailed above in line 12.
- Line 14: Other Business Activities – Regulatory costs have increased £0.2M from AIR23 as a result of higher Regulation consultancy costs. These costs have been apportioned on the same basis as line 12 and line 13.
- Line 15: Total Business Activities – this is a calculated line and is the total of Line 12, 13 and 14. This has increased £0.8M from AIR23 as detailed above.
- Line 16: Local authority rates have increased £1.0M from AIR23 as a result of a NAV revaluation in 23/24.
- Line 17: Doubtful debts have increased by £0.5M from AIR23. The doubtful debts have split between Table 21 and Table 22 on a specific line by line basis, consistent with what was done in AIR23.
- Line 18: Exceptional items– there are no costs in this line.
- Line 19: Total Opex less third-party services – this is a calculated line and is the total of Line 11, 15, 16, 17 and 18. This has decreased by £0.1M from AIR23.
- Line 20: Third party services are immaterial.
- Line 20a: Total PPP Unitary Charge has increased by circa £2.8M from AIR23. See Table 42 commentary for details.
- Line 21: Total operating expenditure, this is a calculated line and is the total of line 19, 20 and 20a. This line has increased by £2.7M from AIR23.
  Total operating expenditure includes £14.6M of costs associated with PPP (AIR23 £24.4M).

- Line 21a: Payments to Operators for Sewerage Services has changed to reflect:
  i) The variation in flows (and loads; in the case of Kinnegar) received from the NIW Catchment upon which the Contractor / Concessionaire and Operators revenue payments are based;
  ii) Any non-performance issues encountered by either Operator under their own contract arrangements with the Contractor / Concessionaire.

  The costs have increased by £1.4M to £14.6M in AIR24.

**C - Reactive & Planned Maintenance**

- Line 22: Infrastructure, this figure has decreased £0.1M from AIR23 to £2.5M. This is due to a decrease in investigations.
- Line 23: Non-infrastructure, this figure has decreased by circa £2.6M from AIR23 to £16.8M. This is due to a decrease in Power costs relating to Pumping.

**Reactive and planned maintenance**

The overall approach and allocation process for Tables 21 and 22 has remained consistent with AIR23. However there still remain some limitations to the coding which means that some expenditure, for example building and ground maintenance, cannot be split separately.

**Pensions**

Pension costs per the actuarial information at 31st March 2024 were £10.7M (AIR23 £22.0M) which amounts to £13.3M before interest income of £2.6M (AIR23 £21.4M before interest costs of £0.6M) and these were charged to the profit and loss account. This is made up of current service costs of £11.6M (AIR23 £20.2M) and past service costs of £0.5M (AIR23 £Nil). These costs have been included in general and support costs and employment costs in Tables 21 and 22 on the basis outlined in the cost allocation section above.

The total employer pension contributions for the year were £14.6M (AIR23 £13.3M (£13.3M normal employer contribution & £Nil additional employer contributions) including £Nil relating to payment of 2023/24 past service costs.

These costs have been included in general and support costs and employment costs in Tables 21 and 22. Pension costs for those employees who can be directly attributed to service or business activities will be mapped directly to these areas via the wages and salaries codes as outlined in the cost allocation methodology. Pension costs that relate to either employees not engaged directly on service/business activities or that relate to past service costs (i.e. VER provision) will be apportioned to activities in line with the treatment of general and support expenditure as detailed in the cost methodology.

Pension costs and finance charges associated with employees involved with unappointed activities have not been specifically excluded from pension figures within the profit and loss account. However as noted in the costing section above an estimate of the costs of

unappointed activities has been adjusted for during the costs allocation process and it has been assumed that an element of this allocation would cover pension costs.

The pension fund at 31st March 2024 has now gone into a surplus (asset) position compared to last year.

Further disclosures on pensions are contained in the statutory accounts which are based on the company's actuarial report at 31st March 2024.

**Third party costs**

Third party costs remain negligible in AIR24 and relate primarily to services recharged to third parties. The associated income is reported in Table 23 as third-party income.

**Infrastructure Renewals Charge (IRC)**

See Commentary for Table 33.

## Appendix 1 – Expense group mapping

| Expense Group | Desc | Table 21 & 22 mapping |
|---|---|---|
| 511X | Industrial Wages | Employment |
| 513X | Other Wage Costs | Employment |
| 514X | Other Costs of Employment | Employment |
| 515X | Salaries | Employment |
| 516X | Non-Industrial Expenses | Employment |
| 517X | Temporary Support Staff | Employment |
| 611X | Cost Reallocations | Employment |
| 612X | N/A | Employment |
| 613X | N/A | Employment |
| 614X | N/A | Employment |
| 521X | Power | Power |
| 531X | Operational Contractors | Hired and Contracted |
| 532X | Other Contractors | Hired and Contracted |
| 534X | Out sourcing | Hired and Contracted |
| 538X | Consultants Fees | Hired and Contracted |
| 541X | Materials and Equipment | Materials & consumables |
| 544X | Non Operations Materials | Materials & consumables |
| 547X | Stock Adjustments | Materials & consumables |
| 548X | Chemicals | Materials & consumables |
| 5562 & 5565 | Environmental Regulator & Crown Estates | Service Charges |
| 536X | Office and Computer Services | Other direct costs |
| 537X | Legal and other professional fees | Other direct costs |
| 551X | Accommodation | Other direct costs |
| 553X | Insurance - Premiums | Other direct costs |
| 553Y | Insurance - Claims | Other direct costs |
| 554X | Public Liability | Other direct costs |
| 555X | Employer's Liability | Other direct costs |
| 616X | N/A | Other direct costs |
| 695X | Management Task | Other direct costs |
| 759X | Overheads Capitalised | Other direct costs |
| 518X | Staff Training & Hospitality | General & support |
| 533X | V&P repairs | General & support |
| 539X | Audit | General & support |
| 546X | Mobile V&P Charges | General & support |
| 552X | Communication | General & support |
| 556X | Other Grants and Subscriptions | General & support |
| 557X | Advertising and Publicity | General & support |
| 641X | Intra Departmental Notionals | General & support |
| 651X | Inter Departmental Notionals | General & support |
| 772X | Bad Debts | Doubtful debts |
| 775X | Discount Allowed | Customer services |
| 558X | Rates | Rates |
| 5561 | Regulatory Costs | Other Business Activities |
| 534Y | PPP | PPP unitary charge |

# Appendix 2 – Service activity mapping

| NIW Service Activity | Service Activity description | Table 21/22 Mapping |
|---|---|---|
| 310 | Pumping (Inc Highlift at WTW) | Water - Distribution |
| 311 | Service Resv Wat Tower Tanks | |
| 312 | Service Resv cleaning | |
| 313 | Distribution and Water Operations | |
| 320 | Repair and Maintenance (Mains Repair) | |
| 321 | Repair and Maintenance (Service Repair) | |
| 322 | Repair and Maintenance (Hydrant & Valve Repairs) | |
| 323 | R&M (NIFRS Hydrant & Valve Repairs) | |
| 324 | Repair and Maintenance (Mains Cleansing) | |
| 326 | Repair and Maintenance (Lead Replacement) | |
| 331 | Repair and Maintenance of 'Street Furniture' (Water) | |
| 340 | Leakage - Monitoring | |
| 341 | Leakage - Detection | |
| 342 | Hydrant & Valve Repairs as identified by | |
| 343 | Service Repairs as identified by active | |
| 344 | Mains Repairs as identified by active Le | |
| 351 | Consumer Meter Repair & Maintenance | |
| 360 | Investigations | |
| 362 | Customer Contacts excluding meter query | |
| 363 | Regulatory Plumbing Inspection | |
| 380 | 'In House' Investigations and Attendance | |
| 385 | Health & Safety - Networks | |
| 391 | Networks Function Activity -Query | |
| 399 | Networks Stores | |
| 920 | Connection (Water) | |
| 110 | Impounding Reservoir | Water - Resource & Treatment |
| 111 | Loughs | |
| 112 | River Intakes | |
| 113 | Boreholes,Springs & Wells | |
| 120 | Repairs & Maint A/duct/Main | |
| 140 | Recreation & Amenity | |
| 150 | Water Treatment | |
| 151 | Water Sludge Treatment | |
| 152 | Water Sludge Disposal | |
| 185 | Health & Safety - Supply | |
| 190 | Supply Function Activity | |
| 191 | Supply Function Activity - Query | |
| 822 | Instrumental Control Activity M & E Water Supply | |
| 410 | Repair & Maintenance of Sewers | Sewerage - Sewerage |
| 411 | Blockage | |
| 412 | Desilting | |
| 413 | Inspection of Sewers | |
| 414 | Repair and Maintenance of 'Street Furniture' (Sewerage) | |
| 415 | Sewerage Tankering | |
| 430 | Pumping (Foul & Combined) | |
| 431 | Pumping (Surface Water) | |
| 460 | 'In House' Investigations and Attendance | |
| 462 | Rodent Control | |
| 940 | Rechargeable (Sewerage) | |
| 950 | Connection (Sewerage) | |
| 510 | Sewage Treatment | Sewerage - Sewage Treatment |
| 591 | Waste Water Function Activity - Query | |
| 620 | Sludge Treatment - Tankering Between Works | Sewerage - Sludge Treatment |
| 621 | Sludge Treatment | |
| 630 | Sludge Disposal to Agricultural Land Transportation | |
| 631 | Instrumental Control Activity M & E WasteWater | |
| 632 | Sludge Cake Transportation to Landfill | |
| 633 | Sludge Cake Disposal to Landfill | |
| 635 | Sludge Logger Maintenance (Contract) | |
| 636 | Incinerator Sludge Treatment | |
| 637 | Sludge Disposal Tankering from Strategic Collection Centres to Dewatering Centres | |
| 638 | Sludge Cake Disposal to Incinerator | |
| 639 | Incinerator Ash Disposal to Landfill | |
| 640 | Private Septic Tank Desludging | Customer Services |
| 710 | General | |
| 711 | Customer Services (Meter Read & Customer Queries) | |
| 712 | Disconnection / Reconnection | |
| 714 | Consumer Meters Repair And Maintenance | |
| 790 | Customer Services Function Activity | |
| 730 | Water Analysis | Scientific Services |
| 731 | Sewerage General | |
| 732 | Labs Water & Sewerage General | |
| 733 | Sampling | |
| 734 | Labs Sewage Sampling | |
| 003 | Rates DRC - Water | Rates |
| 013 | Rates DRC - Sewerage | |
| 910 | Rechargeable Work | Third Party Opex |
| 000 | Default | Overhead Pot 1 - General |
| 021 | GAE | |
| 023 | Invest to Save Revenue | |
| 810 | Vehicle & Plant Maintenance | |
| 811 | Vehicle & Plant Accident Repair | |
| 812 | Garage Overheads | |
| 813 | Roads Service | |
| 820 | Telemetry | |
| 890 | TMG Function Activity | |
| 050 | Ops & Maint General (Water) | Overhead Pot 2 - Water |
| 055 | Ops & Maint General (Sewerage) | Overhead Pot 2 - Sewerage |
| 585 | Health & Safety - WW | |
| 590 | Waste Water Function Activity | |
| 735 | Trade Effluent | |
| 821 | Radio & Monitoring Wastewater | |
| 390 | Networks Function Activity | Overhead Pot 3 - Networks Water & Sewerage |

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 23 REGULATORY ACCOUNTS
ANALYSIS OF TURNOVER AND OPERATING INCOME

| | DESCRIPTION | UNITS | DP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | CC | 30 | 31 | 32 | 33 | 34 | CC | 35 | 36 | 37 | 38 | 39 | CC | 40 | 41 | 42 | 43 | 44 | CC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 2015-16 | | | 2016-17 | | | 2017-18 | | | 2018-19 | | | 2019-20 | | | 2020-21 | | | 2021-22 | | | 2022-23 | | | 2023-24 | | | | | | 2024-25 | | | | | | 2025-26 | | | | | | 2026-27 | | | | | |
| | | | | WATER SERVICES | SEWERAGE SERVICES | APPOINTED BUSINESS | WATER SERVICES | SEWERAGE SERVICES | APPOINTED BUSINESS | WATER SERVICES | SEWERAGE SERVICES | APPOINTED BUSINESS | WATER SERVICES | SEWERAGE SERVICES | APPOINTED BUSINESS | WATER SERVICES | SEWERAGE SERVICES | APPOINTED BUSINESS | WATER SERVICES | SEWERAGE SERVICES | APPOINTED BUSINESS | WATER SERVICES | SEWERAGE SERVICES | APPOINTED BUSINESS | WATER SERVICES | SEWERAGE SERVICES | APPOINTED BUSINESS | WATER SERVICES | SEWERAGE SERVICES | APPOINTED BUSINESS | SUBSIDY WATER INCLUDED | SUBSIDY SEWERAGE INCLUDED | | WATER SERVICES | SEWERAGE SERVICES | APPOINTED BUSINESS | SUBSIDY WATER INCLUDED | SUBSIDY SEWERAGE INCLUDED | | WATER SERVICES | SEWERAGE SERVICES | APPOINTED BUSINESS | SUBSIDY WATER INCLUDED | SUBSIDY SEWERAGE INCLUDED | | WATER SERVICES | SEWERAGE SERVICES | APPOINTED BUSINESS | SUBSIDY WATER INCLUDED | SUBSIDY SEWERAGE INCLUDED | |
| A | **TURNOVER** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Unmeasured - household | £m | 3 | 125.377 | 139.933 | 264.000 | 123.829 | 141.172 | 265.000 | 124.853 | 145.747 | 270.600 | 126.735 | 151.465 | 278.200 | 129.997 | 159.630 | 287.900 | 128.984 | 162.838 | 291.500 | 130.334 | 165.666 | 296.000 | 142.309 | 179.042 | 321.400 | 165.501 | 205.595 | 371.100 | 165.501 | 205.595 | A3 | | | | | | | | | | | | | | | | | | |
| 2 | Unmeasured - non- household | £m | 3 | 1.922 | 2.129 | 4.051 | 1.941 | 2.201 | 4.142 | 1.961 | 2.272 | 4.194 | 2.023 | 2.345 | 4.367 | 2.125 | 2.486 | 4.610 | 2.233 | 2.591 | 4.819 | 2.465 | 2.782 | 5.248 | 2.798 | 3.204 | 5.902 | 3.116 | 3.772 | 6.831 | 1.972 | 4.859 | A3 | | | | | | | | | | | | | | | | | | |
| 3 | Measured - household | £m | 3 | 127.105 | 141.045 | 268.150 | 125.850 | 143.372 | 269.222 | 126.796 | 147.992 | 274.694 | 128.752 | 153.570 | 282.321 | 131.220 | 161.918 | 292.526 | 130.650 | 165.427 | 296.077 | 132.794 | 168.449 | 301.240 | 145.124 | 182.240 | 327.363 | 168.686 | 209.351 | 377.931 | 167.973 | 207.422 | A3 | | | | | | | | | | | | | | | | | | |
| 4 | Measured - household | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | A3 | | | | | | | | | | | | | | | | | | |
| 5 | Measured - non- household | £m | 3 | 39.955 | 24.739 | 64.694 | 41.096 | 27.519 | 68.615 | 42.341 | 26.885 | 69.406 | 44.369 | 27.908 | 72.277 | 43.914 | 30.037 | 73.951 | 43.634 | 30.037 | 73.671 | 46.049 | 27.824 | 73.864 | 50.422 | 32.090 | 83.128 | 57.000 | 37.370 | 95.323 | 11.520 | 7.481 | A3 | | | | | | | | | | | | | | | | | | |
| 6 | Measured | £m | 3 | 39.955 | 24.739 | 64.694 | 41.096 | 27.519 | 68.615 | 42.341 | 26.885 | 69.406 | 44.369 | 27.908 | 72.277 | 43.914 | 30.037 | 73.951 | 43.634 | 30.037 | 73.671 | 46.049 | 27.824 | 73.864 | 50.422 | 32.090 | 83.128 | 57.000 | 37.370 | 95.323 | 11.520 | 7.481 | A3 | | | | | | | | | | | | | | | | | | |
| 7 | Trade effluent | £m | 3 | | 4.657 | 4.657 | | 4.278 | 4.278 | | 4.777 | 4.777 | | 5.230 | 5.230 | | 4.977 | 4.977 | | 4.633 | 4.633 | | 5.262 | 5.262 | | 5.707 | 5.707 | | 7.115 | | 0.000 | 0.000 | A3 | | | | | | | | | | | | | | | | | | |
| 7a | Rivers Drainage Revenue | £m | 3 | | 20.035 | 20.035 | | 20.563 | 20.563 | | 21.947 | 21.947 | | 21.861 | 21.861 | | 22.585 | 22.585 | | 22.832 | 22.832 | | 23.245 | 23.245 | | 24.245 | 24.245 | | 26.150 | | 0.000 | 0.000 | A3 | | | | | | | | | | | | | | | | | | |
| 8 | large user and special agreement | £m | 3 | 4.980 | 0.284 | 5.264 | 4.980 | 0.290 | 5.270 | 5.511 | 0.811 | 6.322 | 6.024 | 0.229 | 6.253 | 5.870 | 0.230 | 6.100 | 5.653 | 0.882 | 6.535 | 6.464 | 0.921 | 7.385 | 6.649 | 0.830 | 7.479 | 7.345 | 0.626 | 13.971 | | 0.000 | A3 | | | | | | | | | | | | | | | | | | |
| 8a | Miscellaneous income (included in the price control) | £m | 3 | | | | | | | | | | | | | | | | | | | | | | | | | 0.000 | 0.000 | 0.000 | | 0.000 | A3 | | | | | | | | | | | | | | | | | | |
| 8b | Miscellaneous income (price control | £m | 3 | | | | | | | | | | | | | | | | | | | | | | | | | 0.000 | 0.000 | 0.000 | | 0.000 | A3 | | | | | | | | | | | | | | | | | | |
| 9 | Revenue grants | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | 0.000 | A3 | | | | | | | | | | | | | | | | | | |
| 10 | Non-potable water large user and special agreements | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | 0.000 | A3 | | | | | | | | | | | | | | | | | | |
| 11 | Recharge/abstr works | £m | 3 | 0.093 | 0.093 | 0.185 | 0.094 | 0.094 | 0.188 | 0.095 | 0.095 | 0.190 | 0.096 | 0.096 | 0.192 | 0.140 | 0.140 | 0.280 | 0.097 | 0.097 | 0.194 | 0.098 | 0.098 | 0.196 | 0.099 | 0.099 | 0.198 | 0.100 | 0.100 | 0.200 | 0.100 | 0.100 | A3 | | | | | | | | | | | | | | | | | | |
| 12 | Sub supplies/inter-company payments | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | A3 | | | | | | | | | | | | | | | | | | |
| 13 | Other appointed business (third party) | £m | 3 | 6.198 | 0.255 | 6.453 | 6.368 | 0.343 | 6.711 | 6.408 | 0.356 | 6.764 | 6.446 | 0.919 | 7.365 | 6.196 | 10.766 | 16.962 | 6.336 | 8.513 | 14.849 | 6.943 | 11.742 | 18.685 | 7.818 | 12.358 | 20.176 | 7.486 | 11.685 | 19.171 | 0.000 | 0.000 | A3 | | | | | | | | | | | | | | | | | | |
| 14 | Third party services (excluding non-potable water) | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | A3 | | | | | | | | | | | | | | | | | | |
| 15 | Other sources (excluding large users, third parties and special agreements) | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | A3 | | | | | | | | | | | | | | | | | | |
| 16 | Total turnover | £m | 3 | 172.303 | 194.985 | 367.288 | 172.377 | 200.474 | 372.851 | 175.260 | 209.839 | 385.099 | 185.646 | 224.616 | 409.862 | 187.310 | 239.092 | 422.515 | 183.073 | 229.453 | 412.526 | 192.260 | 241.874 | 434.134 | 210.026 | 263.971 | 473.997 | 241.510 | 301.256 | 542.824 | 178.593 | 215.108 | A3 | | | | | | | | | | | | | | | | | | |
| B | **OPERATING INCOME** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | Current cost profit or loss on sale of fixed assets | £m | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | Exceptional items | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | A3 | | | | | | | | | | | | | | | | | | |
| 19 | Other operating income | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.243 | 0.308 | 0.551 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | A3 | | | | | | | | | | | | | | | | | | |
| 20 | Total operating income | £m | 3 | -0.083 | 0.174 | 0.091 | 0.525 | -0.004 | 0.402 | 0.000 | 0.000 | 0.000 | 0.243 | 0.308 | 0.551 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | A3 | | | | | | | | | | | | | | | | | | |
| C | **WORKING CAPITAL ADJUSTMENT** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | Working capital adjustment | £m | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | **REVENUE CORRECTION MECHANISM** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | Net revenue movement out of the tariff basket | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | A3 | | | | | | | | | | | | | | | | | | |

## Table 23 – Analysis of turnover and operating income

### Working Capital Adjustment

The commentary to Table 27 outlines the methodology for the Working Capital Adjustment.

### Monthly Non-domestic Income Monitoring Process

The process for monitoring income is laid out in the flow diagram in Appendix A.

By 3.00pm on the third working day (Day 3) of each month, NI Water's billing partner, Echo Managed Services Ltd (Echo), e-mails to NI Water a spreadsheet which includes details of summary billed income, accrued income, cash, bad debt write-off and debtor information, as well as the general ledger postings for the month. In addition, the following reports are provided at that time:

- Bank reconciliation;
- Aged debt analysis;
- Listing of all refunds;
- Listing of all transactions;
- Accrued income details;
- Cash received listing;
- List of returned payments.

Billed income comes in the form of both invoices (first-time round billing, arising from a meter reading or an estimate) and system adjustments (adjustments made to a previously invoiced bill). The transaction listing, mentioned above, is reviewed by both Finance, Regulation and Commercial (FRC) and Billing & Revenue (B&R) to analyse the system adjustments made in the month and to understand better any budget/forecast variances in the month.

During Working Day 3 and Day 4, NI Water carries out the general ledger postings on to Oracle and then assesses and posts the following:

- The amount of income on "N-stop" i.e. invoices held back for a variety of reasons, to be recognised in the accounts;
- Any adjustments to the accrued income (see Appendix G); and
- The amount of provision to be made against the accrued income (based on those items of accrued income greater than c250 days old).

A draft income summary is prepared on the morning of Working Day 4, showing income to date across the five income categories (measured water, measured sewerage, unmeasured water, unmeasured sewerage and trade effluent) for both the month and the year to date, together with comparative figures for the budget and/or the latest forecast. An e-mail is then sent out showing the summary table and giving a short explanation of the income and debtors in the month; this e-mail provides the basis for explanation at the following day's (Day 5) Monthly Accounts meeting held with the Director of FRC.

An initial meeting between FRC and B&R is held on the afternoon of Working Day 4 to discuss the narrative in the e-mail and discuss further any budget/forecast variances in the month.

On Working Day 5, Echo finalises the Day 5 data, saving this on to an NI Water Public folder drive. This contains a number of detailed spreadsheets, such as VAT reports and suspense account (see Appendix B).

A short e-mail commentary on the total NI Water income for the month is prepared for the Board, once the Day 5 Accounts meeting has taken place. In addition, an email is sent out (on Day 6 or Day 7) confirming the final income, copying in the Director of FRC and the Director of C&OD.

**Movements in Income against PC21**

Following on from the monitoring process detailed above, the 2023/24 year-end position of income against PC21 submission was as follows:

| Income | Actual Income 2023/24 £m | PC21 Income 2023/24 £m | Variance £m |
|---|---|---|---|
| | | | |
| **Subsidy:** | | | |
| Domestic phasing subsidy - water | 165.5 | 165.0 | 0.5 |
| Domestic phasing subsidy - sewerage | 205.6 | 203.7 | 1.9 |
| Non-domestic phasing subsidy - water | 1.6 | 1.2 | 0.4 |
| Non-domestic phasing subsidy - sewerage | 1.8 | 1.4 | 0.4 |
| Domestic allowance - water | 11.5 | 12.6 | -1.0 |
| Domestic allowance - sewerage | 7.7 | 8.2 | -0.5 |
| Septic tank subsidy | 4.0 | | 4.0 |
| | | | |
| Total subsidy | 397.7 | 391.9 | 5.8 |
| | | | |
| **Non-domestic income:** | | | |
| Measured water | 53.8 | 50.3 | 3.4 |
| Measured sewerage | 31.6 | 30.4 | 1.2 |
| Unmeasured water | 1.6 | 1.2 | 0.4 |
| Unmeasured sewerage | 1.8 | 0.6 | 1.3 |
| Trade effluent | 11.7 | 11.1 | 0.7 |
| | | | |
| Total non domestic income | 100.5 | 93.6 | 6.9 |
| | | | |
| | | | |
| **Road drainage income** | 29.1 | 29.2 | (0.0) |
| | | | |
| | | | |
| **Other regulated income** | 1.9 | 2.4 | (0.5) |
| **IFRIC18 income** | 12.0 | | 12.0 |
| **Deferred credit amortisation** | 4.1 | | 4.1 |
| **Electricity Generation** | 1.5 | | 1.5 |
| **Other non-regulated income** | 2.6 | | 2.6 |
| | | | |
| | | | |
| **TOTAL INCOME** | **549.5** | **517.1** | **32.4** |

*The above table includes both appointed and un-appointed income.*

Specific reasons for the £32.4m increase over PC21 are:

- The increase in domestic phasing subsidy represents an increased tariff.
- Septic tank subsidy is not included within the PC21 submission.
- With measured water:
  - There was an increased tariff used, compared to what was in the PC21 FD, a c£2.6 increase.
- Measured sewerage:
  - There was an increased tariff used, compared to what was in the PC21 FD, a c£1.6 increase.
- For unmeasured income, there was a large increase in income, reflecting both increased customers numbers (a lot as a result of the Metering and Billing project).
- For trade effluent, income was higher than expected as a result of higher levels of consumption at a number of sites for a main customer.
- Other income in the PC21 Final Determination submission only contains regulated income, and excludes income from the likes of vehicle maintenance, rental of aerial sites and sales of Renewable Obligation Certificates (ROCs), as well as IFRIC18 income and deferred credit amortisation.

**Movements in Income against budget**

Following on from the monitoring process detailed above, the 2023/24 year-end position of income against budget was as follows:

| Income | Actual Income 2023/24 £m | Budget Income 2023/24 £m | Variance £m |
|---|---|---|---|
| | | | |
| **Subsidy:** | | | |
| Domestic phasing subsidy - water | 165.5 | 165.5 | (0.0) |
| Domestic phasing subsidy - sewerage | 205.6 | 205.6 | (0.0) |
| Non-domestic phasing subsidy - water | 1.6 | 1.6 | 0.0 |
| Non-domestic phasing subsidy - sewerage | 1.8 | 1.8 | 0.0 |
| Domestic allowance - water | 11.5 | 12.5 | (0.9) |
| Domestic allowance - sewerage | 7.7 | 8.1 | (0.4) |
| Septic tank subsidy | 4.0 | 3.7 | 0.3 |
| | | | |
| Total subsidy | 397.7 | 398.7 | (1.0) |
| | | | |
| **Non-domestic income:** | | | |
| Measured water | 53.8 | 48.3 | 5.4 |
| Measured sewerage | 1.6 | 1.6 | 0.1 |
| Unmeasured water | 31.6 | 28.6 | 3.0 |
| Unmeasured sewerage | 1.8 | 1.8 | 0.0 |
| Trade effluent | 11.7 | 10.7 | 1.0 |
| | | | |
| Total non domestic income | 100.5 | 91.0 | 9.5 |
| | | | |
| | | | |
| **Road drainage income** | 29.1 | 29.2 | (0.0) |
| | | | |
| | | | |
| **Other** | 22.1 | 5.9 | 16.2 |
| | | | |
| | | | |
| **TOTAL INCOME** | **549.5** | **524.8** | **24.7** |

*The above table includes both appointed and un-appointed income.*

Specific reasons for the £24.7m increase against budget are:

- With measured water non-domestic income:
  - There was a lot of economic uncertainty when the 2023/24 income budget was agreed. With energy prices still high, interest and inflation rising which led to uncertainty over the levels of disposable income in households. As such, the budget was set at a conservative level.
  - Agricultural income accounts for about a third of measured water income, and consumption was around the expected level, although the 23/24 was one of

the wettest years in recent times particularly between August and December, the impact of this has not yet came through to billing.
    - Consumption in public sector businesses (e.g. hospitals, council owned leisure facilities, schools and colleges) was not as low as budgeted; hospitals were busy, students continued to attend schools and universities and leisure centres remained open.
    - Manufacturing remained at constant levels throughout the year, and did not appear to suffer any consumption reductions from the economic difficulties.
    - The budget assumed that hospitality would rise from 90% in Q1 to c95% in Q4; however, hospitality was mostly at or above “normal” levels, possibly due to “pent-up demand” and also helped by a strong Christmas.
- Measured sewerage:
    - MS ultimately has ended up around the budgeted level, the reason for this is that most agricultural customer do not use the sewerage network so any increases in agriculture for measured water will not apply to measured sewerage, and the monthly manufacturing customers of which there are many are generally trade effluent customers rather than measured sewerage.
    - MS was mostly impacted by the higher-than-expected consumption for public sector businesses and the hospitality sector.
- For unmeasured income, there was a large increase in income, reflecting both increased customers numbers (a lot because of the Metering and Billing project) and the economic difficulties for small businesses arising not being as bad as feared.
- For trade effluent income, there has been:
    - The increase over budget in trade effluent was largely driven by increased consumption and strengths at various [redacted] sites during the year, this was not expected and as a result has left trade effluent ahead of budget for the year.
- For other income, there has been:
    - IFRIC18 income (£12.0m) and deferred credit amortisation income (£4.1m), there were no budget figures available.
    - Sundry income was £6.0m for the 2023/24 year, against a budget of £5.9m, largely due to increases in various areas of Developer Services, especially wastewater impact assessments (£0.7m).

**Movements in Income between 2023/24 and 2022/23**

The table below details the income for the year ended 31 March, for both 2024 and 2023:

| Income | Actual Income 2023/24 £m | Actual Income 2022/23 £m | Variance £m |
|---|---|---|---|
| | | | |
| **Subsidy:** | | | |
| Domestic phasing subsidy - water | 165.5 | 142.4 | 23.1 |
| Domestic phasing subsidy - sewerage | 205.6 | 179.0 | 26.6 |
| Non-domestic phasing subsidy - water | 1.6 | 1.3 | 0.3 |
| Non-domestic phasing subsidy - sewerage | 1.8 | 1.6 | 0.2 |
| Domestic allowance - water | 11.5 | 10.7 | 0.8 |
| Domestic allowance - sewerage | 7.7 | 6.8 | 0.9 |
| Septic tank subsidy | 4.0 | 3.7 | 0.3 |
| | | | |
| Total subsidy | 397.7 | 345.5 | 52.2 |
| | | | |
| **Non-domestic income:** | | | |
| Measured water | 53.8 | 46.4 | 7.4 |
| Measured sewerage | 31.6 | 27.8 | 3.8 |
| Unmeasured water | 1.6 | 1.4 | 0.2 |
| Unmeasured sewerage | 1.8 | 1.7 | 0.1 |
| Trade effluent | 11.7 | 9.4 | 2.3 |
| | | | |
| Total non domestic income | 100.5 | 86.7 | 13.8 |
| | | | |
| | | | |
| **Road drainage income** | 29.1 | 25.2 | 3.9 |
| | | | |
| | | | |
| **Other** | 22.1 | 22.3 | (0.2) |
| | | | |
| | | | |
| **TOTAL INCOME** | **549.5** | **479.7** | **69.8** |

*The above table includes both appointed and un-appointed income.*

The income has increased by £69.8m, due to:

- An increase in the subsidy for domestic properties of £52.2m, which reflects the third year of the PC21 Final Determination.
- For measured water, there was a c14% tariff increase, equivalent to around £6.5m. Furthermore:
  - Agricultural income was up on the prior year however this was mostly driven by the tariff increase rather than any increase in consumption which remained largely consistent year on year.
  - Several businesses had increased consumption in 2023/24:

        - The hospitality increased by c£0.7m, with hotels and restaurants having increased consumption including [redacted] and [redacted].
        - Other services like schools, gyms and hospitals increased by c£1.3m, e.g. [redacted]
- For measured sewerage, there was a 14% tariff increase, equivalent to around £3.9m. Again, as in the analysis against budget, the big movements against the previous year were:
    - Similar to MW:
        - The hospitality increased by c£0.9m, with hotels and restaurants having increased consumption e.g. [redacted] and [redacted]
        - Other services like schools, gyms and hospitals increased by c£0.8m, e.g. [redacted]
- Unmeasured income was largely similar to 2022/23, with the difficult economic conditions not having a noticeable effect.
- For trade effluent income, there has been:
    - Tariff increase of roughly £0.7m.
    - The increase in trade effluent was largely driven by increased consumption and strengths at various [redacted] sites during the year, this was not expected and as a result has left trade effluent ahead of budget for the year.

**Reconciliation of Billed Income to Income in the Accounts**

The tables below detail, for both measured/unmeasured income and for trade effluent, how the income billed reconciles to the income reported at 31 March 2024:

| **Measured and unmeasured income** | |
|---|---|
| | **£m** |
| Billed income | 88.1 |
| Movement in accrued income | 2.8 |
| 2024/25 unmeasured billing deferred | -3.6 |
| Movement in referred bills | 0.3 |
| Provisions released | 1.3 |
| Total income per accounts | 88.9 |

Accrued income at 31 March 2024 represented 23% (2023: 20%) of annual billed income.

| **Trade effluent** | |
|---|---|
| | **£m** |
| Billed income | 11.6 |
| Movement in accrued income | 0.1 |
| Total income per accounts | 11.7 |

Accrued income at 31 March 2024 represented 12% (2023: 11%) of annual billed income.

***The two tables above show the total income per accounts prior to the classification in the accounts of elements of total income to large user revenue.***

Of the adjustments detailed above, the following adjustments may recur in future years:

- Movement in accrued income – there will always be a small variance over a period of a year.
- 2024/25 unmeasured billing deferred – the annual unmeasured billing will always be deferred, assuming that the invoicing is done in March, which was the case for the 2024/25 unmeasured bills which were issues in March 24.
- Movement in referred bills – there will always be a small variance over a period of a year.

**Reconciliations and Controls carried out**

A number of reconciliations are carried out on Echo's income information:

- The Day 3 income information received from Echo is reconciled back to what has been entered on Oracle (see Appendix C). This reconciliation is signed off monthly by both Management Accounts (MA) and Financial Accounts (FA) within FRC.
- The debtor account in the balance sheet is reconciled each month and signed off by MA and FA (see Appendix D).
- The accrued income account is reconciled monthly (see Appendix E).
- The number of meters to be billed is reconciled to what has actually been billed (see Appendix F).
- The billed income for monthly customers and for the relevant six-monthly customers is compared to what was accrued in the previous month, on a meter-by-meter basis.
- An income sheet, listing various checks on the Day 3 report, is adhered to (see Appendix I).
- As each customer is assigned a VAT SIC code. to understand better the impact that the lockdown caused by the COVID-19 pandemic was having on both income and cash collection, two new reports were introduced:
    - Year on Year cash analysis by VAT SIC Code (YTD and In-Month);
    - Year on Year In-Month average daily consumption (adc) by meter (which is then grouped by SIC Code).

In addition, Echo carry out controls on meter readings, such that a bill is "held" and not sent out to the customer if its value has exceeded a certain level, known as the "bill ceiling".

**Review by Internal Audit**

There were no internal audit reviews carried out in 2023/24 on income reporting.

**Balance Sheet Nominal Ledger Accounts**

The table below gives details of the relevant balance sheet accounts as at 31 March 2024, together with a comparison to the balances as at 31 March 2023:

| | Balance 2023/24 £m | Balance 2022/23 £m | Variance £m |
|---|---|---|---|
| Debtors | 13.1 | 7.8 | 5.3 |
| Bad debt provision | (3.6) | (3.1) | (0.5) |

Within the £5.3m rise in debtors there was:

- The annual unmeasured billing run, which was undertaken in March, this amounted to £3.6m, the rest of the increase in debtors will be related to the higher tariffs that are in place in 23/24 compared to the prior year.

There was a £0.5m increase in the bad debts provision, again this was due to the inclusion of the unmeasured billing for 24/25 in the debt figure used to calculate the bad debt provision, and also after a review of the aged debt risk profile for customers.

**Accrued Income**

There are two reports which Echo uses for accrued income, both in the form of Excel spreadsheets included within the Day 3 data: the E040 Accrual Detail report (formerly called the Dynamic Consumption Report (DCR)), and a separate report for Trade Effluent, which is an excel spreadsheet model.

Measured customers are billed either every month (mainly larger customers) or every six months, in arrears, and income needs to be accrued for them for a period of up to six months. Therefore, there are seven "bill frequency" periods:

- Monthly
- Jan/Jul six monthly
- Feb/Aug six monthly
- Mar/Sep six monthly
- Apr/Oct six monthly
- May/Nov six monthly
- Jun/Dec six monthly

The E040 report takes information directly from the RAPID system and is based on the latest reading date (as opposed to billing date) and the average consumption of previous bills. If estimated readings have been made, these are used in the calculation. If there is not the necessary information available, the report will use the industry average consumption (for the industry sector which the customer has been assigned to). Any system adjustments made to the original bill meter reading will automatically over-ride the original bill, and it will be system adjustment readings that are used for the calculation of the accrual.

Accruals for trade effluent income are based on an excel spreadsheet model built by Echo. This takes billing data from 1 April of the previous year i.e. close to 2 years of data when March accrual is being calculated, and a year is shut down at the start of April each year. The model contains a price tariff percentage to either increase or decrease the accrual, depending on the percentage uplift/reduction in prices from the previous year. The model designates customers as monthly or six-monthly but does not break six-monthly down into the relevant month in which the six monthly bills are issued.

Echo performs a high-level reconciliation each month, looking for any major differences in the month from the previous month.

Each month, the E040 report is reviewed by B&R for any unusual items, and an adjustment made for those (see March 2023 adjustments in Appendix G).

The accrued income in the last two years has been:

| | Accrued Income 2023/24 £m | Accrued Income 2022/23 £m | Variance £m |
|---|---|---|---|
| | | | |
| **Accrued income:** | | | |
| Measured water and sewerage | 15.4 | 11.6 | 3.8 |
| Trade effluent | 1.1 | 1.0 | 0.1 |
| | | | |
| **TOTAL ACCRUED INCOME** | **16.5** | **12.6** | **3.9** |

The rise of £3.9m against the previous year can be explained as follows:

- There was a £3.8m increase primarily due to increases in MW, MS and TE which are driven by the tariff increase between 22/23 and 23/24 c14% increase.

**Subsidy Income**

In 2023/24, NI Water had total subsidy income of £397.7m. This was broken down as follows:

- £371.1m for domestic phasing subsidy for water and sewerage, in lieu of domestic charges.
- £3.4m for non-domestic phasing subsidy, representing 50% of unmeasured non-domestic income.
- £19.2m for domestic allowance subsidy, representing the domestic allowance claimed by customers for both water and sewerage (restricted to 200m$^3$ of water per year, for each building on which the customer pays business rates).
- £4.0m for septic tank subsidy. NI Water receives subsidy income for all septic tanks that it empties, except for those customers who receive a charge if they have more than one empty in a 12-month period.

**Road Drainage Income**

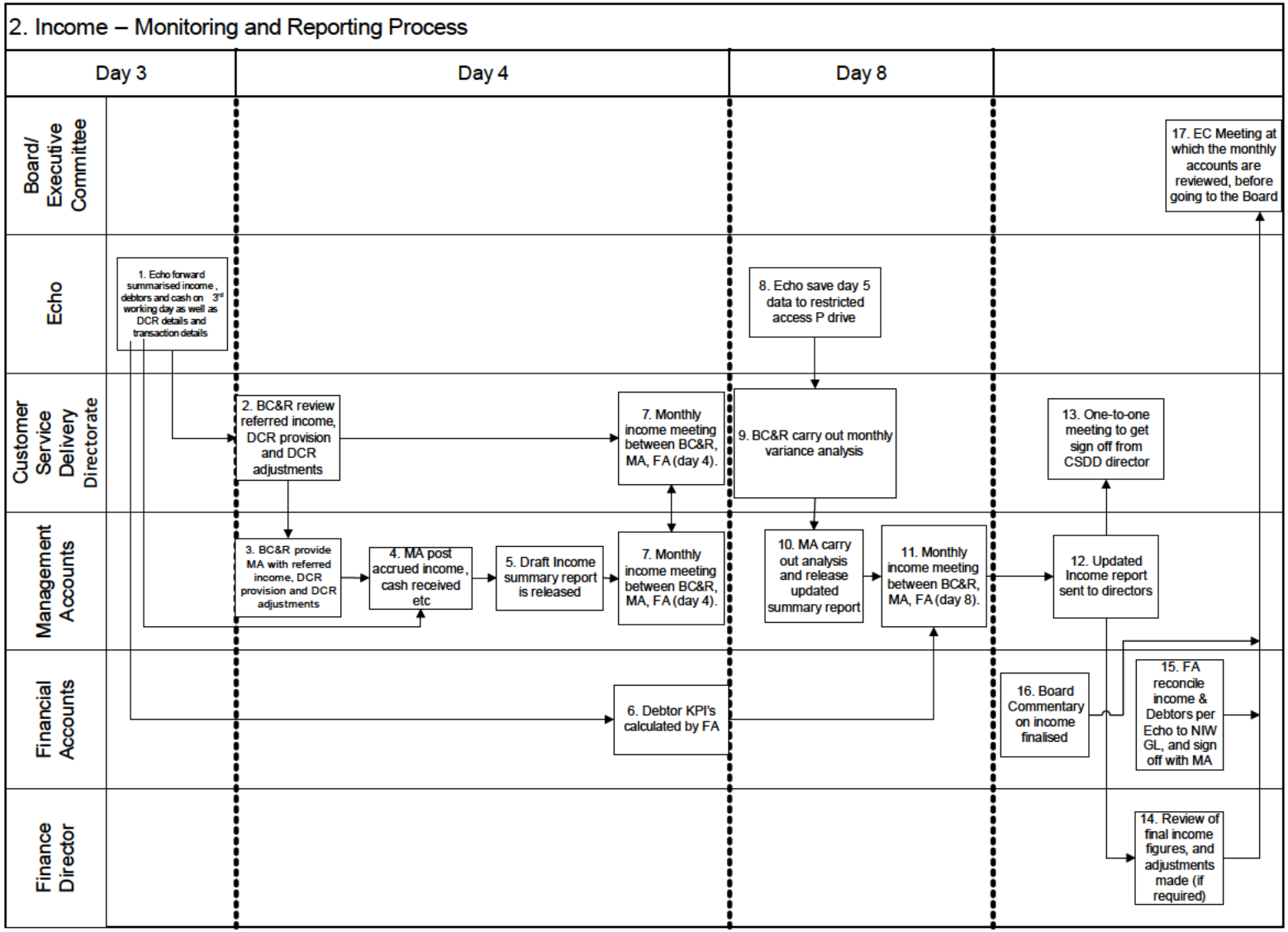
The road drainage charge for 2023/24 was based on the projections of NI Water's costs of operation (see the table below). The basis for the calculation has been approved by both the Regulator and by the Department for Infrastructure (DfI). A total of £29.1m was invoiced in 2022/23 to DfI, compared to £25.2m in 2022/23. A more detailed breakdown of the assumptions behind the calculation is provided in Appendix H.

| | Combined | Storm Water | Total |
|---|---|---|---|
| Split of sewers for run off from roads and footpaths | 50.35% | 49.65% | 100% |
| Total volume of Water (cubic metres) | 32,325,198 | 31,874,802 | 64,200,000 |
| Mogden Formula element | R+V | R | |
| Cost of Element:<br>21/22 tariff: | £0.6162 / $m^3$ | £0.2896 / $m^3$ | |
| Cost of Run off | £19,918,787 | £9,230,943 | £29,149,730 |

**Non-tariff Basket Income**

There is no net income movement out of the tariff basket for either water or sewerage.

## Appendix A - Monthly Process for Monitoring Income



## Appendix B – Day 3 & Day 5 Data received from Echo

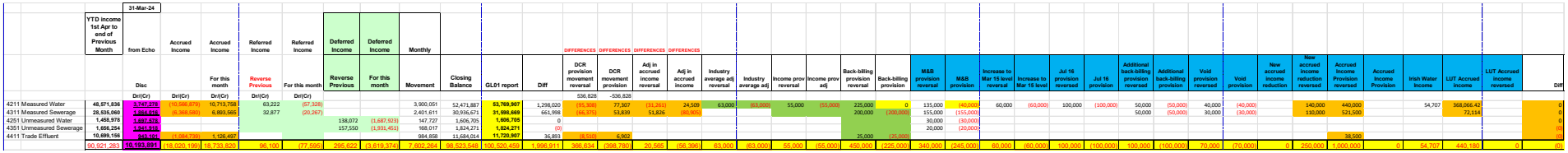
Along with the actual summary Day 3 report, Echo also send:

- Bank reconciliation as at the end of the month;
- Aged debt reports as at the end of the month, by SIC code, industry code, etc.;
- An accrued income report, by meter reference, as at the end of the month.
- List of all income-related transactions in the month;
- List of refunds for the month;
- List of returned payments for the month;
- List of all cash payments, aged, for the month; and
- List of accounts on “n-stop”, as at the end of the month.

On Day 5, Echo send:

- VAT reports for the month;
- Consumption reports; and
- List of cash received transactions in the suspense account, as at the end of the month.

# Appendix C – Reconciliation of Echo Day 3 Information at 31 March 2024



| | | 31-Mar-24 | | | | | | | | | | | DIFFERENCES | DIFFERENCES | DIFFERENCES | DIFFERENCES | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | YTD income 1st Apr to end of Previous Month | from Echo | Accrued Income | Accrued Income | Referred Income | Referred Income | Deferred Income | Deferred Income | Monthly | | | | DCR provision movement reversal | DCR movement provision | Adj in accrued income reversal | Adj in accrued income | Industry average adj reversal | Industry average adj | Income prov reversal | Income prov adj | Back-billing provision reversal | Back-billing provision | M&B provision reversal | M&B provision | Increase to Mar 15 level reversal | Increase to Mar 15 level | Jul 16 provision reversed | Jul 16 provision | Additional back-billing provision reversed | Additional back-billing provision | Void provision reversed | Void provision | New accrued income reduction | New accrued income reduction reversed | Accrued Income Provision reversed | Accrued Income Provision | Irish Water Income | LUT Accrued Income | LUT Accrued Income reversed | |
| | | | Disc | | For this month | Reverse Previous | For this month | Reverse Previous | For this month | Movement | Closing Balance | GL01 report | Diff | | | | | | | | | | | | | | | | | | | | | | | | | | | | Diff |
| | | | Dr/(Cr) | Dr/(Cr) | Dr/(Cr) | Dr/(Cr) | Dr/(Cr) | | | | | | | 536,828 | -536,828 | | | | | | | | | | | | | | | | | | | | | | | | |
| 4211 | Measured Water | 48,571,836 | 3,747,279 | (10,586,879) | 10,713,758 | 63,222 | (57,328) | | | 3,900,051 | 52,471,887 | 53,769,907 | 1,298,020 | (95,908) | 77,307 | (31,261) | 24,509 | 63,000 | (63,000) | 55,000 | (55,000) | 225,000 | 0 | 135,000 | (40,000) | 60,000 | (60,000) | 100,000 | (100,000) | 50,000 | (50,000) | 40,000 | (40,000) | | 140,000 | 440,000 | | 54,707 | 368,006.42 | | 0 |
| 4311 | Measured Sewerage | 28,535,060 | 4,864,415 | (6,368,580) | 6,893,565 | 32,877 | (20,267) | | | 2,401,611 | 30,936,671 | 31,598,669 | 661,998 | (66,975) | 53,839 | 51,826 | (80,903) | | | | | 200,000 | (200,000) | 155,000 | (155,000) | | | | | | | 30,000 | (30,000) | | 130,000 | 521,500 | | | 72,114 | | 0 |
| 4251 | Unmeasured Water | 1,468,978 | 1,497,578 | | | | | 138,072 | (1,687,923) | 147,727 | 1,606,705 | 1,606,705 | 0 | | | | | | | | | | | 30,000 | (30,000) | | | | | | | | | | | | | | | | 0 |
| 4351 | Unmeasured Sewerage | 1,656,254 | 1,241,915 | | | | | 157,550 | (1,931,451) | 168,017 | 1,824,271 | 1,824,271 | (0) | | | | | | | | | | | 20,000 | (20,000) | | | | | | | | | | | | | | | | (0) |
| 4411 | Trade Effluent | 10,699,156 | 943,497 | (1,084,739) | 1,126,497 | | | | | 984,858 | 11,684,014 | 11,720,907 | 36,893 | (8,510) | 6,902 | | | | | | | 25,000 | (25,000) | | | | | | | | | | | | | | | | | | (0) |
| | | 90,921,283 | 10,193,891 | (18,039,199) | 18,733,820 | 96,100 | (77,595) | 295,622 | (3,619,374) | 7,602,264 | 98,523,548 | 100,520,459 | 1,996,911 | 366,634 | (398,780) | 20,565 | (56,394) | 63,000 | (63,000) | 55,000 | (55,000) | 450,000 | (225,000) | 340,000 | (245,000) | 60,000 | (60,000) | 100,000 | (100,000) | 100,000 | (100,000) | 70,000 | (70,000) | 0 | 250,000 | 1,000,000 | 0 | 54,707 | 440,180 | 0 | (0) |

# Appendix D – Reconciliation of Debtors account on Oracle

| NORTHERN IRELAND WATER LIMITED AS AT 31 MARCH 2024 | |
|---|---|
| **Summary of Debtors** | |
| **Water & Sewerage Debtors GL code 1210** | **Mar-24** |
| **Opening Balance** | **£10,985,030.03** |
| **Take on Bills/New Bills- TOTAL** | **£8,864,272.78** |
| Take on Bills/New Bills- Sewerage | 1,883,982.80 |
| Take on Bills/New Bills- Water | 3,166,751.59 |
| Take on Bills/New Bills- VAT | 144,762.15 |
| Annual Billing | 3,619,373.82 |
| Annual Billing - VAT | 49,402.42 |
| Discounts | 0.00 |
| **System Adjustments- Total** | **£749,459.02** |
| System Adjustments- Sewerage | 57,545.25 |
| System Adjustments- Water | 640,863.58 |
| System Adjustments- VAT | 51,050.19 |
| **Manual Adjustments- Total** | **-£118,032.93** |
| Manual Adjustments- Sewerage | (64,104.60) |
| Manual Adjustments- Water | (53,593.35) |
| Manual Adjustments- VAT | (334.98) |
| **Write Off Adjustments Total** | **-£28.88** |
| Write Off Adjustments- Sewerage | **0.00** |
| Write Off Adjustments- Water | **(28.88)** |
| Write Off Adjustments- VAT | **0.00** |
| **NIWS Bad Debt Authorised Write Off- Total** | **-£63,029.47** |
| NIWS Au horised Write Off- Sewerage | (23,340.19) |
| NIWS Authorised Write Off- Water | (38,915.83) |
| NIWS Authorised Write Off- VAT | (773.45) |
| Net Cash | **(7,504,758.65)** |
| Refunds | 60,910.96 |
| **Water & Sewerage GL code 1210 Closing Bala** | **£12,973,822.86** |
| **Check** | |
| **Metered & Unmetered Water & Sewerage Deb** | **£12,973,822.86** |
| **(As per Echo)** | |
| **Per Tb GL code 1210** | **11,365,923.34** |
| Variance | **£1,607,899.52** |
| **Due to:** | |
| Referred Bills **NOT** Recognised NET | (77,604.02) |
| Write-off of mixed supply debt > 3 years | (300,000.00) |
| System Adjustment Reduction | (1,230,000.00) |
| Unknown | -£295.50 |
| | |
| **Trade Effluent Debtors GL code 1213** | |
| Opening Balance | **£1,738,242.32** |
| Take on Bills/New Bills | 943,667.06 |
| Referred Bills | |
| Annual Billing | |
| System Adjustments | **-£469.73** |
| Manual Adjustments | **-£96.69** |
| Write Off Adjustments | |
| NIWS Authorised Bad Debt Write Off | **-£159.33** |
| Net Cash | **-£1,037,780.39** |
| Refunds | **£0.00** |
| **Trade Effluent GL code 1213 Closing Balance** | **£1,643,403.24** |
| **Variance** | **-£14.05** |
| **Per Trial Balance general ledger code 1213** | **£1,643,417.29** |
| **Due to:** | |
| **Trade Effluent** | |
| Referred Bills | |
| | |
| **Total Opening Balance GL code 1213 & 1210** | **£12,723,272.35** |
| Take on Bills/New Bills | **£6,188,566.02** |
| Annual Billing | **£3,619,373.82** |
| Discounts | **£0.00** |
| System Adjustments | **£748,989.29** |
| Manual Adjustments | **-£118,129.62** |
| Write Off Adjustments | **-£28.88** |
| NIWS Authorised Bad Debt Write Off | **-£63,188.80** |
| Net Cash | **-£8,542,539.04** |
| Refunds | **£60,910.96** |
| **Total Closing Balance GL code 1213 & 1210** | **£14,617,226.10** |
| **Balance as per FN012 Summary** | **£14,616,779.00** |
| **Difference** | **£447.10** |
| | |
| **Echo Debtor Ledger** | £15,079,982.23 |
| **Balance as per FN012 Summary** | **£14,616,779.00** |
| **Suspense Ac FN012 Summary** | **£94,189.05** |
| **Difference** | **£369,014.18** |

## E – Reconciliation of Accrued Income Account

| **NI Water Accrued Income** | |
|---|---|
| | **Mar-24** |
| | |
| **Per Echo** | |
| Measured Water | 10,714 |
| MW Accrued Income Adj | |
| Measured Sewerage | 6,894 |
| Trade Effluent | 1,126 |
| LUT Accrued income | 440 |
| Accrued income | **19,174** |
| | |
| | |
| **Accrued income adjustments** | |
| DCR Provision | -399 |
| DCR Further | -500 |
| Accrued Income provision | -56 |
| Increase in provision | -60 |
| Industry average adj | -63 |
| Income prov adj | -55 |
| Future System Adjustments | -620 |
| BackBilled Income Provision | -700 |
| M&B Provision | -170 |
| Void back-billing | -70 |
| [redacted] | 0 |
| New accrued income reduction | 0 |
| MS leakage allownace accrual | 0 |
| Accrued income posted | 16,480 |
| | |
| Per TB (1420/1423) | 16,480 |
| | |
| Difference | 0 |
| | |
| | |
| Miscellanous accrued Income | 289 |
| Interest Received Accrual | 2 |
| | |
| | |
| Total Accrued Income | **16,772** |
| | |
| | |
| **TB Check** | |
| 1420 - Metered Water Accrued Income | 15,352,668.79 |
| 1423 - Trade Effluent Accrued Income | 1,127,682.32 |
| 1426 - Miscellaneous Accrued Income | 289,104.64 |
| 1451 - Interest Received Accrual | 2,276.22 |
| | **16,771,731.97** |

# Appendix F – Reconciliation of Meters

## 2023/24 - Meter Reconciliation Analysis

| Meters to be read | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Estimated | 105 | 130 | 68 | 117 | 122 | 95 | 95 | 110 | 106 | 179 | 136 | 250 |
| No Read | 651 | 758 | 438 | 424 | 495 | 586 | 647 | 617 | 447 | 440 | 518 | 602 |
| Read | 13,360 | 12,621 | 11,023 | 11,702 | 12,778 | 12,420 | 13,411 | 12,661 | 11,012 | 11,698 | 12,816 | 12,291 |
| Total Meters | 14,116 | 13,509 | 11,529 | 12,243 | 13,395 | 13,101 | 14,153 | 13,388 | 11,565 | 12,317 | 13,470 | 13,143 |
| No Reads to be investigated - Code Red | 27 | 7 | 3 | 1 | 4 | 6 | 12 | 10 | 5 | 5 | 9 | 6 |

| Meters to be billed | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Billable Meters | 13,475 | 12,719 | 11,081 | 11,779 | 12,875 | 12,497 | 13,500 | 12,749 | 11,109 | 11,843 | 12,931 | 12,525 |
| Non-Billable Meters | 641 | 790 | 448 | 464 | 520 | 604 | 653 | 639 | 456 | 474 | 539 | 618 |
| Total Meters | 14,116 | 13,509 | 11,529 | 12,243 | 13,395 | 13,101 | 14,153 | 13,388 | 11,565 | 12,317 | 13,470 | 13,143 |
| Total Meters Billed | 13,296 | 11,999 | 10,857 | 11,516 | 12,685 | 12,304 | 13,303 | 12,574 | 10,795 | 11,597 | 12,701 | 12,343 |
| Meters to be investigated | 170 | 135 | 119 | 152 | 170 | 127 | 173 | 167 | 130 | 192 | 204 | 142 |
| Billable Meters | 13,466 | 12,134 | 10,976 | 11,668 | 12,855 | 12,431 | 13,476 | 12,741 | 10,925 | 11,789 | 12,905 | 12,485 |
| Meters to be investigated - Code Red | 39 | 8 | 11 | 5 | 7 | 9 | 18 | 18 | 9 | 15 | 14 | 14 |

# Appendix G – Accrued Income Adjustments at 31 March 2023

| Customer / Company Name | Industry Code | SIC Code | Pipe Size | Read Frequency | Accrual Days | Read History | Water volume | Water volume per day | Sewerage Volume | Sewerage volume per day | Water Standing Charges | Water Volume Charges | Total Water Charges | Sewerage Standing Charges | Sewerage Volume Charges | Total Sewerage Charges | Total accrual standing charges | Total accrual volume charges | Total Accrual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Customer / Company Name | Industry Code | SIC Code | Pipe Size | Read Frequency | Accrual Da | Read Hist | Water volu | Water volur | Sewerage | Sewerage | Water Star | Water Volur | Total Water Ch | Sewerage S | Sewerage \ | Total Sewerage | Total accn | Total accrual | Total Accrual |
| [redacted] | Hospitals | 100mm/4.0in | 9 | Six Monthly Feb/Aug | 41 | READING | 6,169 | 150 | 5,861 | 150 | £164 | £8,089 | £8,253 | £198 | £13,099 | £13,297 | £362 | £21,189 | £21,551 |
| | Hospitals | 100mm/4.0in | 9 | Six Monthly Feb/Aug | 41 | READING | 2,050 | 50 | 1,948 | 50 | £164 | £2,688 | £2,852.07 | £198 | £4,353 | £4,550.87 | £362 | £7,041 | £7,403 |
| | | | | | | | | | | | | Variance | (£5,401) | | Variance | (£8,747) | | Variance | (£14,148) |
| Customer / Company Name | Industry Code | SIC Code | Pipe Size | Read Frequency | Accrual Da | Read Hist | Water volu | Water volur | Sewerage | Sewerage | Water Star | Water Volur | Total Water Ch | Sewerage S | Sewerage \ | Total Sewerage | Total accn | Total accrual | Total Accrual |
| [redacted] | Food Manuf/Process | 20mm/.75in | 6 | Six Monthly Apr/Oct | 172 | IND AVE | 5,779 | 34 | 5,490 | 34 | £39 | £7,605 | £7,644 | £48 | £12,314 | £12,362 | £87 | £19,919 | £20,006 |
| | Food Manuf/Process | 20mm/.75in | 6 | Six Monthly Apr/Oct | 172 | IND AVE | 172 | 1 | 163 | 1 | £39 | £226 | £265.11 | £48 | £366 | £414.71 | £87 | £593 | £680 |
| | | | | | | | | | | | | Variance | (£7,379) | | Variance | (£11,947) | | Variance | (£19,326) |
| Customer / Company Name | Industry Code | SIC Code | Pipe Size | Read Frequency | Accrual Da | Read Hist | Water volu | Water volur | Sewerage | Sewerage | Water Star | Water Volur | Total Water Ch | Sewerage S | Sewerage \ | Total Sewerage | Total accn | Total accrual | Total Accrual |
| [redacted] | School Education | 75mm/3.0in | 9 | Six Monthly May/Nov | 150 | READING | 4,436 | 30 | 4,214 | 30 | £331 | £5,730 | £6,061 | £400 | £9,277 | £9,677 | £731 | £15,007 | £15,738 |
| | School Education | 75mm/3.0in | 9 | Six Monthly May/Nov | 150 | READING | 1,500 | 10 | 1,425 | 10 | £331 | £1,938 | £2,268.25 | £400 | £3,137 | £3,537.52 | £731 | £5,075 | £5,806 |
| | | | | | | | | | | | | Variance | (£3,792) | | Variance | (£6,140) | | Variance | (£9,932) |
| Customer / Company Name | Industry Code | SIC Code | Pipe Size | Read Frequency | Accrual Da | Read Hist | Water volu | Water volur | Sewerage | Sewerage | Water Star | Water Volur | Total Water Ch | Sewerage S | Sewerage \ | Total Sewerage | Total accn | Total accrual | Total Accrual |
| [redacted] | Food Manuf/Process | 100mm/4.0in | 4 | Six Monthly Jun/Dec | 103 | IND AVE | 3,460 | 34 | 3,287 | 34 | £412 | £4,480 | £4,891 | £498 | £7,254 | £7,752 | £910 | £11,734 | £12,643 |
| | Food Manuf/Process | 100mm/4.0in | 4 | Six Monthly Jun/Dec | 103 | IND AVE | 206 | 2 | 196 | 2 | £412 | £267 | £678.43 | £498 | £432 | £929.99 | £910 | £699 | £1,608 |
| | | | | | | | | | | | | Variance | (£4,213) | | Variance | (£6,822) | | Variance | (£11,035) |
| Customer / Company Name | Industry Code | SIC Code | Pipe Size | Read Frequency | Accrual Da | Read Hist | Water volu | Water volur | Sewerage | Sewerage | Water Star | Water Volur | Total Water Ch | Sewerage S | Sewerage \ | Total Sewerage | Total accn | Total accrual | Total Accrual |
| [redacted] | Other Retails Shops | 20mm/.75in | 9 | Six Monthly Jun/Dec | 119 | READING | 3,927 | 33 | 0 | 33 | £27 | £3,378 | £3,405 | £33 | £5,475 | £5,508 | £60 | £8,853 | £8,913 |
| | Other Retails Shops | 20mm/.75in | 9 | Six Monthly Jun/Dec | 119 | READING | 0 | 0 | 0 | 0 | £27 | £0 | £26.66 | £33 | £0 | £33.16 | £60 | £0 | £60 |
| | | | | | | | | | | | | Variance | (£3,378) | | Variance | (£5,475) | | Variance | (£8,853) |
| Customer / Company Name | Industry Code | SIC Code | Pipe Size | Read Frequency | Accrual Da | Read Hist | Water volu | Water volur | Sewerage | Sewerage | Water Star | Water Volur | Total Water Ch | Sewerage S | Sewerage \ | Total Sewerage | Total accn | Total accrual | Total Accrual |
| [redacted] | Bakeries/Catering | 100mm/4.0in | 4 | Six Monthly Apr/Oct | 167 | IND AVE | 423 | 3 | 423 | 3 | £668 | £437 | £1,104 | £808 | £5,982 | £6,790 | £1,475 | £6,419 | £7,894 |
| | Bakeries/Catering | 100mm/4.0in | 4 | Six Monthly Apr/Oct | 167 | IND AVE | 10,020 | 60 | 9,519 | 60 | £668 | £10,349 | £11,017.04 | £808 | £134,618 | £135,425.63 | £1,475 | £144,968 | £146,443 |
| | | | | | | | | | | | | Variance | £9,913 | | Variance | £128,636 | | Variance | £138,549 |
| Customer / Company Name | Industry Code | SIC Code | Pipe Size | Read Frequency | Accrual Da | Read Hist | Water volu | Water volur | Sewerage | Sewerage | Water Star | Water Volur | Total Water Ch | Sewerage S | Sewerage \ | Total Sewerage | Total accn | Total accrual | Total Accrual |
| [redacted] | Chemical Industry | 15mm/.50in | x | Six Monthly Apr/Oct | 159 | IND AVE | 2,352 | 15 | 2,234 | 15 | £36 | £2,981 | £3,016 | £44 | £4,825 | £4,869 | £80 | £7,805 | £7,885 |
| | Chemical Industry | 15mm/.50in | x | Six Monthly Apr/Oct | 159 | IND AVE | 159 | 1 | 151 | 1 | £36 | £202 | £237.12 | £44 | £326 | £370.53 | £80 | £528 | £608 |
| | | | | | | | | | | | | Variance | (£2,779) | | Variance | (£4,498) | | Variance | (£7,278) |
| Customer / Company Name | Industry Code | SIC Code | Pipe Size | Read Frequency | Accrual Da | Read Hist | Water volu | Water volur | Sewerage | Sewerage | Water Star | Water Volur | Total Water Ch | Sewerage S | Sewerage \ | Total Sewerage | Total accn | Total accrual | Total Accrual |
| [redacted] | Food Manuf/Process | 20mm/.75in | 0 | Six Monthly Apr/Oct | 174 | IND AVE | 5,846 | 34 | 0 | 34 | £39 | £7,693 | £7,732 | £0 | £0 | £0 | £39 | £7,693 | £7,732 |
| | Food Manuf/Process | 20mm/.75in | 0 | Six Monthly Apr/Oct | 174 | IND AVE | 2,088 | 12 | 0 | 12 | £39 | £2,748 | £2,786.79 | £0 | £0 | £0.00 | £39 | £2,748 | £2,787 |
| | | | | | | | | | | | | Variance | (£4,946) | | Variance | £0 | | Variance | (£4,946) |
| Customer / Company Name | Industry Code | SIC Code | Pipe Size | Read Frequency | Accrual Da | Read Hist | Water volu | Water volur | Sewerage | Sewerage | Water Star | Water Volur | Total Water Ch | Sewerage S | Sewerage \ | Total Sewerage | Total accn | Total accrual | Total Accrual |
| [redacted] | General Manufacture | 20mm/.75in | 6 | Six Monthly Apr/Oct | 166 | IND AVE | 1,459 | 9 | 1,386 | 9 | £37 | £1,920 | £1,957 | £46 | £3,109 | £3,155 | £83 | £5,029 | £5,112 |
| | General Manufacture | 20mm/.75in | 6 | Six Monthly Apr/Oct | 166 | IND AVE | 166 | 1 | 158 | 1 | £37 | £218 | £255.65 | £46 | £354 | £399.98 | £83 | £572 | £656 |
| | | | | | | | | | | | | Variance | (£1,702) | | Variance | (£2,755) | | Variance | (£4,457) |
| Customer / Company Name | Industry Code | SIC Code | Pipe Size | Read Frequency | Accrual Da | Read Hist | Water volu | Water volur | Sewerage | Sewerage | Water Star | Water Volur | Total Water Ch | Sewerage S | Sewerage \ | Total Sewerage | Total accn | Total accrual | Total Accrual |
| [redacted] | Caravan/Camping Site | 25mm/1.0in | 9 | Six Monthly May/Nov | 146 | IND AVE | 844 | 6 | 802 | 6 | £55 | £1,005 | £1,061 | £68 | £1,628 | £1,697 | £124 | £2,634 | £2,758 |
| | Caravan/Camping Site | 25mm/1.0in | 9 | Six Monthly May/Nov | 146 | IND AVE | 146 | 1 | 139 | 1 | £55 | £174 | £229.37 | £68 | £282 | £349.83 | £124 | £456 | £579 |
| | | | | | | | | | | | | Variance | (£831) | | Variance | (£1,347) | | Variance | (£2,178) |
| | | | | | | | | | | | Customer specific Accrual Adjs | | (£24,509) | | | £80,905 | | | £56,396 |

## Appendix H – Calculation of Road Drainage Charges

The calculation of Road Drainage charges was prepared on the following basis:

i The total urban road and footway surface area was obtained (Source Roads Service),
   a. Urban road surface area = 39.3million $m^2$
   b. Urban footway surface area = 17.0million $m^2$
   c. Total Urban road & footway surface area = 56.3million $m^2$

ii The average annual rainfall in Northern Ireland over the last 10 years was obtained (Source: Met Office).
   Average annual rainfall = 1.14m

iii The average volume of rain and therefore the run-off from roads and footpaths discharged into NIW sewers and storm drains was calculated as follows:
   56.3million $m^2$ x 1.14m = 64.2million $m^3$

NIW's network information management system (NIMS) indicated that for the largest 105 urban areas in N Ireland the length of combined sewers and the length of storm water sewers was split as detailed in the following table. These figures were adjusted to allow for those storm water sewers which rather than discharging into a watercourse were connected into the combined system.

| | Km | % of total |
|---|---|---|
| Combined sewers | 4,378 | 50.35% |
| Storm water sewers | 4,317 | 49.65% |
| Total | 8,695 | 100.00% |

The unit costs of R & V applied were obtained using the Trade Effluent Mogden Formula as per the table below:

| Mogden Formula element | 22/23 tariff (£) Per $m^3$ | 23/24 tariff (£) Per $m^3$ | Application |
|---|---|---|---|
| R (Reception) | 0.2508 | 0.2896 | Run off into Storm water sewers |
| V (Volumetric) | 0.2828 | 0.3266 | Run off into Combined sewers |
| R+V | 0.5336 | 0.6162 | |

## Appendix I – Monthly Income Check Sheet

**NI WATER**
**Income check for March 2024**

| | | ACTION BY | COMPLETE BY |
|---|---|---|---|
| 1. | Transaction report for income, bad debt and discount ties up to the GL posting. | MF | 06/04/24 |
| 2. | DCR listing and TE accrual totals agree to the Table in the Day 3 report. | MF | 06/04/24 |
| 3. | The number of days in the DCR detailed listing has been increased by the correct number of days in the month. | MF | 06/04/24 |
| 4. | There are no obvious large incorrect items of accrued income in the DCR listing. | MF | 06/04/24 |
| 5. | Review the DCR, for where there is volume in $m^3$, but no £. | MF /DH | 06/04/24 |
| 6. | Review the DCR, both MW and MS, for any negative items. | MF | 06/04/24 |
| 7. | Review top 300 customers on DCR for any material over-statement arising from leakage/incorrect meter exchange/faulty meter, etc. | DH | 06/04/24 |
| 8. | Total for “Ordinary Customers N-stops” agrees total per “Referred Bills Summary” agrees to total per “N-stop Detail”. | DH | 06/04/24 |
| 9. | N-stop detail does not contain any duplicate or triplicate lines. | DH | 06/04/24 |
| 10. | Debit balance and credit balances in the Day 3 report agree to the debt report. | MF | 06/04/24 |
| 11. | Cash in the FN012 summary agrees to the cash report. | MF | 06/04/24 |
| 12. | The FN012 Summary Total has the correct balance c/f and b/f. | MF | 06/04/24 |
| 13. | Have all the correct adjustments been made for additional provisions/provision release? | MF | 07/04/24 |
| 14. | Does the summary Excel income report agree to Oracle? | MF | 07/04/24 |

NORTHERN IRELAND WATER LIMITED ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN TABLE 25 REGULATORY ACCOUNTS (HISTORIC COST ACCOUNTING)
ANALYSIS OF FIXED ASSETS BY ASSET TYPE (TOTAL)

| | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | WATER SERVICE | | | | SEWERAGE SERVICE | | | | |
| | DESCRIPTION | UNITS | DP | INFRASTRUCTURE ASSETS | OPERATIONAL ASSETS | OTHER TANGIBLE ASSETS | SUBTOTAL | INFRASTRUCTURE ASSETS | OPERATIONAL ASSETS | OTHER TANGIBLE ASSETS | SUBTOTAL | TOTAL |
| A | GROSS REPLACEMENT COST | | | | | | | | | | | |
| 1 | Gross replacement cost at 1 April | £m | 3 | 1,054.692 | 691.777 | 110.454 | 1,856.923 | 1,420.310 | 1,463.678 | 146.271 | 3,030.260 | 4,887.182 |
| 2 | AMP adjustment | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 3 | RPI adjustment | £m | 3 | | | | | | | | | |
| 4 | Disposals | £m | 3 | -0.402 | -0.015 | -0.298 | -0.715 | -0.457 | 0.000 | -0.535 | -0.992 | -1.707 |
| 5 | Additions | £m | 3 | 48.144 | 94.176 | 15.782 | 158.102 | 83.976 | 137.977 | 21.853 | 243.806 | 401.908 |
| 6 | Gross replacement cost at 31 March | £m | 3 | 1,102.434 | 785.938 | 125.938 | 2,014.310 | 1,503.829 | 1,601.655 | 167.589 | 3,273.074 | 5,287.384 |
| B | DEPRECIATION | | | | | | | | | | | |
| 7 | Depreciation at 1 April | £m | 3 | 130.144 | 209.991 | 65.625 | 405.760 | 102.611 | 471.189 | 65.668 | 639.468 | 1,045.228 |
| 8 | AMP adjustment | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 9 | AMP adjustment - gross MEA revaluation | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 10 | lives | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 11 | RPI adjustment | £m | 3 | | | | | | | | | |
| 12 | Disposals | £m | 3 | -0.402 | -0.014 | -0.298 | -0.714 | -0.457 | 0.000 | -0.518 | -0.975 | -1.689 |
| 13 | Charge for year | £m | 3 | 11.736 | 24.595 | 7.306 | 43.637 | 10.170 | 48.445 | 7.173 | 65.788 | 109.425 |
| 14 | Depreciation at 31 March | £m | 3 | 141.478 | 234.572 | 72.633 | 448.683 | 112.324 | 519.634 | 72.323 | 704.281 | 1,152.964 |
| 15 | Net book amount at 31 March | £m | 3 | 960.956 | 551.366 | 53.305 | 1 565.627 | 1 391.505 | 1 082.022 | 95.266 | 2 568.793 | 4 134.420 |
| 16 | Net book amount at 1 April | £m | 3 | 924.548 | 481.785 | 44.829 | 1,451.162 | 1,317.699 | 992.490 | 80.603 | 2,390.792 | 3,841.954 |

# Table 25 – Analysis of Fixed Assets by Asset Type (Total)

The following asset categories have been analysed in the table as follows:

- 'Infrastructure assets' include infrastructure assets only.
- Operational assets' include land, buildings and civils.
- 'Other tangible assets' include surplus land, buildings and civils, mobile plant and IT.

## Gross Book Value at 1 April and Depreciation at 1 April

The total opening balances for gross book value and depreciation at 1 April 2023 have been brought forward from the total closing balances for gross book value and depreciation at 31 March 2023. The analysis across asset categories is based on analysis within the fixed asset register and is based on the IFRS statutory accounts.

## AMP Adjustment

There was no AMP adjustment during the year.

## Impairment

There was no impairment required of surplus lands, buildings and civils during the year.

## Disposals

Disposals during the year consisted of surplus land, infrastructure, mobile plants (vans) & fixed assets. All disposals have depreciation in the month of disposal.

## Additions

Additions consisted of capital expenditure incurred during the year plus adopted sewers and sewage pumping stations and PPP assets (see below). When the assets created by the capital expenditure are commissioned they are put onto the fixed asset register and depreciation commences the following month.

This following table is a reconciliation between total capital expenditure and additions to fixed assets: -

| | |
|---|---|
| **Total UK GAAP expenditure in CWP (incl. Operations)** | **343,399** |
| Less: expenditure classified as opex under IFRS | -1,596 |
| Add: Capital maintenance Omega | 2,466 |
| Add: Capital maintenance Kinnegar | 1,170 |
| Less: leases correction | 0 |
| **Total IFRS expenditure in CWP (incl. Operations)** | **345,439** |
| Add: Water and sewer connections | 4,217 |
| Add: adopted assets - infrastructure | 39,018 |
| Add: adopted assets - non-infrastructure | 907 |
| Add: capitalised interest | 12,326 |
| Add: leases addition | 0 |
| **Total additions per statutory accounts** | **401,907** |
| | |
| PPE note - additions | 344,444 |
| PPE note - customor contributions | 39,925 |
| Intangibles note - additions | 17,538 |
| **Total additions per statutory notes** | **401,907** |

**PPP Assets Additions**
During the year, there were on-balance sheet additions to PPP assets. Therefore, there was an element in the table relating to PPP assets totalling to [redacted] relating to the Alpha capital maintenance fund, [redacted] relating to Omega and [redacted] to Kinnegar.

**Depreciation Charge for Year**
Historical cost depreciation charge during the year was calculated based on the opening GBV at 1 April 2023. Additions and disposals during the year were taken into account in calculating the depreciation charge.

**Commentary**
All assets were analysed to each of their respective asset categories and service activities to identify the water and sewerage services. The management and general service activity assets, with a GBV of £25,481,546.92 (22/23 IFRS: £25,583,526.23) as at 31 March 2023/24, could not be readily identified as water and sewerage services and have been split as per IFM: Water 41% and Sewerage 59%.

Table 25 has also been adjusted to include only the appointed business and exclude the un-appointed business relating to vehicle maintenance carried out for third parties. This has been adjusted through the opening balances for Water Services – Other Assets.

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 28 REGULATORY ACCOUNTS
CASH FLOW STATEMENT FOR YEAR ENDING 31 MARCH (TOTAL)

| | DESCRIPTION | UNITS | DP | 1<br>2015-16 | 2<br>2016-17 | 3<br>2017-18 | 4<br>2018-19 | 5<br>2019-20 | 6<br>2020-21 | 7<br>2021-22 | 8<br>2022-23 | 9<br>2023-24 | 10<br>2024-25 | 11<br>2025-26 | 12<br>2026-27 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Net cashflow from operating activities | £m | 3 | 170.228 | 182.677 | 182.769 | 221.058 | 229.446 | 197.146 | 182.859 | 206.427 | 274.135 | | | |
| **A** | **RETURN ON INVESTMENTS & SERVICING OF FINANCE** | | | | | | | | | | | | | | |
| 2 | Interest received | £m | 3 | 0.092 | 0.074 | 0.103 | 0.429 | 0.455 | 1.525 | 1.356 | 1.995 | 5.162 | | | |
| 3 | Interest paid | £m | 3 | -46.568 | -46.945 | -47.537 | -49.199 | -45.293 | -45.113 | -46.119 | -46.003 | -50.828 | | | |
| 4 | Interest in finance lease rentals | £m | 3 | -6.701 | -6.562 | -6.406 | -18.826 | -18.261 | -17.521 | -16.692 | -15.842 | -14.800 | | | |
| 5 | Non-equity dividends paid | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | |
| 6 | Net cashflow from returns on investments & servicing of finance | £m | 3 | -53.177 | -53.433 | -53.840 | -67.596 | -63.099 | -61.109 | -61.455 | -59.850 | -60.466 | | | |
| **B** | **TAXATION** | | | | | | | | | | | | | | |
| 7 | Taxation (paid)/received | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | |
| **C** | **CAPITAL EXPENDITURE AND FINANCIAL INVESTMENT** | | | | | | | | | | | | | | |
| 8 | Gross cost of purchase of fixed assets | £m | 3 | -115.602 | -128.215 | -158.278 | -183.297 | -184.328 | -171.998 | -216.274 | -286.687 | -368.025 | | | |
| 9 | Receipts of grants and contributions | £m | 3 | 7.980 | 11.550 | 12.910 | 1.384 | 4.772 | 11.076 | 2.257 | 0.375 | 0.845 | | | |
| 10 | Infrastructure renewals expenditure | £m | 3 | -20.144 | -20.145 | -30.250 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | |
| 11 | Disposal of fixed assets | £m | 3 | 1.693 | 1.096 | 1.536 | 0.646 | 1.467 | 0.250 | 0.613 | 0.425 | 0.193 | | | |
| 12 | Movements on long term loans to group companies | £m | 3 | 0.000 | 0.000 | 0.000 | -2.998 | -0.392 | -1.097 | 0.710 | 0.356 | 0.045 | | | |
| 12a | Insurance proceeds | £m | 3 | | | | | | | 1.120 | 0.000 | 0.000 | | | |
| 13 | Net cashflow from investing activities | £m | 3 | -126.073 | -135.714 | -174.082 | -184.265 | -178.481 | -161.769 | -211.574 | -285.531 | -366.942 | | | |
| **D** | **ACQUISITIONS AND DISPOSALS** | | | | | | | | | | | | | | |
| 14 | Acquisitions and disposals | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | |
| **E** | **EQUITY DIVIDENDS** | | | | | | | | | | | | | | |
| 15 | Equity dividends paid | £m | 3 | -22.887 | -21.510 | -21.153 | -23.742 | -25.185 | -26.619 | -27.482 | -17.121 | -18.113 | | | |
| **F** | **MANAGEMENT OF LIQUID RESOURCES** | | | | | | | | | | | | | | |
| 16 | Net cashflow from management of liquid resources | £m | 3 | -0.980 | -1.501 | -0.007 | 1.237 | -0.006 | -0.001 | -0.001 | -0.009 | -0.025 | | | |
| 17 | Net cashflow before financing | £m | 3 | -32.889 | -29.481 | -66.313 | -53.308 | -37.325 | -52.352 | -117.653 | -156.084 | -171.411 | | | |
| **G** | **FINANCING** | | | | | | | | | | | | | | |
| 18 | Capital in finance lease rentals | £m | 3 | -1.888 | -2.122 | -2.376 | -5.706 | -7.028 | -8.148 | -8.994 | -10.728 | -12.083 | | | |
| 19 | New bank loans taken out | £m | 3 | 36.000 | 30.000 | 69.000 | 64.000 | 40.000 | 83.000 | 170.000 | 155.000 | 215.000 | | | |
| 20 | Repayment of bank loans | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | |
| 21 | Proceeds from share issues | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | |
| 22 | Net cash inflow from financing | £m | 3 | 34.112 | 27.878 | 66.624 | 58.294 | 32.972 | 74.852 | 161.006 | 144.272 | 202.917 | | | |
| 23 | Increase/(decrease) in cash in the year | £m | 3 | 1.223 | -1.603 | 0.311 | 4.986 | -4.353 | 22.500 | 43.353 | -11.812 | 31.506 | | | |

## Table 28 – Cashflow statement

### Significant movements from last period

### Line 1 - Net cashflow from operating activities

This has increased by £67.708m (32.80%) compared to the previous year's figures in the accounts. The reconciliation of operating profit to net cashflow from operating activities is shown in Table 29.

This is summarised in Table 29 as follows:

| | | | |
|---|---|---|---|
| 1 | Historical cost operating profit | £m | 155.788 |
| 2 | Movement in working capital | £m | 18.157 |
| 3 | Depreciation | £m | 109.426 |
| 4 | Historical cost profit on sale of fixed assets | £m | (0.174) |
| 5 | Other non-cash profit and loss items | £m | (9.062) |
| 6 | Net cash flow from operating activities | £m | 274.135 |

### Line 3 – Interest paid

Interest paid has increased by 10.49% from £46.003m to £50.828m. There is an additional loan drawdown of £215m in 2023-2024. The balance on loans can be summarised as follows:

| | |
|---|---|
| At 1 April 2007 | £150m |
| At 31 March 2008 | £307.56m (average for year £228.78m) |
| At 31 March 2009 | £457.56m (average for year £382.56m) |
| At 31 March 2010 | £627.56m (average for year £542.56m) |
| At 31 March 2011 | £737.56m (average for year £682.56m) |
| At 31 March 2012 | £807.56m (average for year £772.56m) |
| At 31 March 2013 | £882.56m (average for year £845.06m) |
| At 31 March 2014 | £911.56m (average for year £897.06m) |
| At 31 March 2015 | £947.56m (average for year £929.56m) |
| At 31 March 2016 | £983.56m (average for year £965.56m) |
| At 31 March 2017 | £1,013.56m (average for year £998.56m) |
| At 31 March 2018 | £1,082.56m (average for the year £1,048.06m) |
| At 31 March 2019 | £1,146.56m (average for the year £1,114.56m) |
| At 31 March 2020 | £1,186.56m (average for the year £1,166.56m) |
| At 31 March 2021 | £1,269.56m (average for the year £1,228.06m) |
| At 31 March 2022 | £1,439.56m (average for the year £1,354.56m) |
| At 31 March 2023 | £1,594.56m (average for the year £1,517.06m) |
| At 31 March 2024 | £1,809.56m (average for the year £1,702.06m) |

### Line 4 - Interest in finance lease rentals

The PPP project [redacted] during 2023-2024 gave rise to [redacted] (2022/23: [redacted]) interest payable on the associated finance lease. This decrease arises as an element of the unitary charge paid to the concessionaire is allocated by NIW to reducing the principal on the lease (see Line 18). There was [redacted] of interest payable relating to finance leases on the implementation of IFRS 16 Leases in 2019/20.

### Line 8 - Gross cost of purchase of fixed assets

These have increased by £81.338m (28.37%). This is consistent with capital expenditure plans for 2023-24 and the movement in capital creditors across the period.

**Line 16 - Net cashflow from management of liquid resources**

Management of liquid resources represents the movement in monies held on short-term deposit accounts.

Monies on deposit have increased by £0.024m from the end of 2022-2023 to the end of 2023-2024. The balance on deposit at the end of 31st March 2024 is £1.311m.

**Line 18 - Capital in finance lease rentals.**

An amount of [redacted] was made in payment against the Alpha, Omega and Kinnegar PPP finance lease. An amount of [redacted] was made against finance leases on implementation of IFRS 16 Leases in 2019/20.

**Line 19 - New bank loans taken out**

In 2023-2024 £215m of additional loan notes were drawn down from DfI. These new loans were required to part finance the ongoing capital expenditure programme with the balance of capital expenditure financed by working capital.

**PPP**

The elements of PPP included in the cashflow are as follows:
The PPP aspect to lines 4 and 18 in Table 28 are outlined in 'significant movements from last period' in this commentary.

Included in Line 8: Gross cost of purchase of fixed assets in Table 28 is [redacted] in respect of capital maintenance additions for Alpha, Omega and Kinnegar PPP paid for via the unitary payments. All other capital expenditure for Alpha, Omega and Kinnegar is accounted for through the repayment of the finance lease.

**NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN**

**ANNUAL INFORMATION RETURN - TABLE 29 REGULATORY ACCOUNTS (HISTORIC COST ACCOUNTING)**
**RECONCILIATION OF OPERATING PROFIT TO NET CASH FLOW FROM OPERATING ACTIVITIES (TOTAL)**

| | DESCRIPTION | UNITS | DP | 1<br>2015-16 | 2<br>2016-17 | 3<br>2017-18 | 4<br>2018-19 | 5<br>2019-20 | 6<br>2020-21 | 7<br>2021-22 | 8<br>2022-23 | 9<br>2023-24 | 10<br>2024-25 | 11<br>2025-26 | 12<br>2026-27 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Operating profit | £m | 3 | 53.738 | 56.925 | 106.485 | 141.077 | 142.734 | 114.964 | 101.209 | 101.340 | 155.788 | | | |
| 2 | Working capital adjustment | £m | 3 | | | | | | | | | | | | |
| 3 | Movement in working capital | £m | 3 | -9.675 | -1.670 | -5.910 | 3.535 | 1.870 | 11.878 | -19.199 | 5.212 | 18.157 | | | |
| 4 | Receipts from other income | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | |
| 5 | Depreciation | £m | 3 | 110.522 | 110.854 | 56.418 | 82.165 | 84.274 | 88.080 | 91.424 | 98.895 | 109.426 | | | |
| 6 | Profit on sale of fixed assets | £m | 3 | -0.091 | 0.489 | -1.035 | -0.551 | -0.467 | -0.193 | -0.585 | -0.420 | -0.174 | | | |
| 7 | Infrastructure renewals charge | £m | 3 | 25.286 | 25.008 | 25.757 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | |
| 8 | Other non-cash profit and loss items | £m | 3 | -8.036 | -5.897 | 1.054 | -5.168 | 1.035 | -17.583 | 10.010 | 1.400 | -9.062 | | | |
| 9 | Net cash flow from operating activities | £m | 3 | 170.228 | 182.677 | 182.769 | 221.058 | 229.446 | 197.146 | 182.859 | 206.427 | 274.135 | | | |

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 32 FINANCIAL MEASURES

ANALYSIS OF FIXED ASSET ADDITIONS AND ASSET MAINTENANCE BY ASSET TYPE (HISTORIC COST ACCOUNTING) (NIW Only)

| | DESCRIPTION | UNITS | DP | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | WATER SERVICE | | | SEWERAGE SERVICE | | | |
| | | | | INFRASTRUCTURE ASSETS | NON-INFRASTRUCTURE ASSETS | SUBTOTAL | INFRASTRUCTURE ASSETS | NON-INFRASTRUCTURE ASSETS | SUBTOTAL | TOTAL |
| A | NIW ADDITIONS -NEW ASSETS (ENHANCEMENT) | | | | | | | | | |
| 1 | Water resource facilities | £m | 3 | 0.036 | 1.130 | 1.166 | | | | 1.166 |
| 2 | Water treatment works | £m | 3 | | 8.177 | 8.177 | | | | 8.177 |
| 3 | Water distribu ion mains | £m | 3 | 19.455 | 0.166 | 19.621 | | | | 19.621 |
| 4 | Service reservoirs and water towers | £m | 3 | | 11.383 | 11.383 | | | | 11.383 |
| 5 | Pumping stations | £m | 3 | | 4.581 | 4.581 | | | | 4.581 |
| 6 | Water management and general | £m | 3 | 1.216 | 11.220 | 12.436 | | | | 12.436 |
| 7 | Sewerage | £m | 3 | | | | 59.916 | 3.829 | 63.745 | 63.745 |
| 8 | Sea outfalls and headworks | £m | 3 | | | | 0.016 | 0.030 | 0.046 | 0.046 |
| 9 | Sewage treatment works | £m | 3 | | | | | 51.828 | 51.828 | 51.828 |
| 10 | Sludge treatment works | £m | 3 | | | | | 1.043 | 1.043 | 1.043 |
| 11 | Sludge disposal | £m | 3 | | | | 0.000 | 0.000 | 0.000 | 0.000 |
| 12 | In-line pumping stations | £m | 3 | | | | | 5.931 | 5.931 | 5.931 |
| 13 | Terminal pumping stations | £m | 3 | | | | | 2.020 | 2.020 | 2.020 |
| 14 | Sewerage management and general | £m | 3 | | | | 3.573 | 4.877 | 8.450 | 8.450 |
| 15 | Total infrastructure additions (Enhancement) | £m | 3 | 20.706 | | 20.706 | 63.504 | | 63.504 | 84.210 |
| 16 | Total non-infrastructure additions (Enhancement) | £m | 3 | | 36.658 | 36.658 | | 69.557 | 69.557 | 106.215 |
| 17 | Total addi ions (Enhancement) | £m | 3 | 20.706 | 36.658 | 57.364 | 63.504 | 69.557 | 133.061 | 190.425 |
| B | NIW BASE SERVICE PROVISION | | | | | | | | | |
| 18 | Water resource facilities | £m | 3 | 0.364 | 1.400 | 1.763 | | | | 1.763 |
| 19 | Water treatment works | £m | 3 | | 29.687 | 29.687 | | | | 29.687 |
| 20 | Water distribu ion mains | £m | 3 | 28.351 | 7.747 | 36.098 | | | | 36.098 |
| 21 | Service reservoirs and water towers | £m | 3 | | 7.112 | 7.112 | | | | 7.112 |
| 22 | Pumping stations | £m | 3 | | 5.404 | 5.404 | | | | 5.404 |
| 23 | Water management and general | £m | 3 | 2.599 | 8.653 | 11.252 | | | | 11.252 |
| 24 | Sewerage | £m | 3 | | | | 21.361 | 1.026 | 22.387 | 22.387 |
| 25 | Sea outfalls and headworks | £m | 3 | | | | 0.095 | 0.002 | 0.098 | 0.098 |
| 26 | Sewage treatment works | £m | 3 | | | | | 44.472 | 44.472 | 44.472 |
| 27 | Sludge treatment works | £m | 3 | | | | | 4.937 | 4.937 | 4.937 |
| 28 | Sludge disposal | £m | 3 | | | | 0.000 | 0.000 | 0.000 | 0.000 |
| 29 | In-line pumping stations | £m | 3 | | | | | 8.987 | 8.987 | 8.987 |
| 30 | Terminal pumping stations | £m | 3 | | | | | 1.484 | 1.484 | 1.484 |
| 31 | Sewerage management and general | £m | 3 | | | | 6.824 | 10.270 | 17.094 | 17.094 |
| 32 | Total infrastructure renewals (Base) | £m | 3 | 31.314 | | 31.314 | 28.280 | | 28.280 | 59.594 |
| 33 | Total non-infrastructure expenditure (Base) | £m | 3 | | 60.002 | 60.002 | | 71.179 | 71.179 | 131.181 |
| 34 | Total expenditure (Base service provision) | £m | 3 | 31.314 | 60.002 | 91.316 | 28.280 | 71.179 | 99.459 | 190.775 |

## Table 32 – Analysis of Fixed Asset Additions and Asset Maintenance by Asset Type (Current Cost Accounting)

Refer to Chapter 40 for detailed commentary on this table. There are no reconciling items to report.

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 33 FINANCIAL MEASURES (HISTORIC COST ACCOUNTING)

DEPRECIATION CHARGE BY ASSET TYPE (NIW Only)

| | DESCRIPTION | UNITS | DP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | CG | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | CG | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | CG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Water Service | | | | | | | | | | | | | Sewerage Service | | | | | | | | | | | | | Total | | | | | | | | | | | | |
| | | | | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 | 2020-21 | 2021-22 | 2022-23 | 2023-24 | 2024-25 | 2025-26 | 2026-27 | | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 | 2020-21 | 2021-22 | 2022-23 | 2023-24 | 2024-25 | 2025-26 | 2026-27 | | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 | 2020-21 | 2021-22 | 2022-23 | 2023-24 | 2024-25 | 2025-26 | 2026-27 | |
| A | **DEPRECIATION CHARGE FOR THE YEAR** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Depreciation as at 31 March of the year | £m | 3 | 38.517 | 16.635 | 16.839 | 29.363 | 29.363 | 30.375 | 32.026 | 35.409 | | | | | B3 | 67.861 | 35.670 | 36.141 | 45.549 | 46.333 | 48.959 | 50.659 | 54.616 | | | | | B3 | 106.378 | 52.305 | 52.980 | 73.771 | 75.696 | 79.334 | 82.685 | 90.019 | | | | | B3 |
| 2 | Depreciation on additions (enhancement assets) post 1 April 2014 | £m | 3 | | | | | | | | | 0.473 | | | | B3 | | | | | | | | | 1.146 | | | | B3 | | | | | | | | | 1.619 | | | | B3 |
| 3 | Depreciation on additions (MNI assets) post 1 April 2014 | £m | 3 | | | | | | | | | 0.875 | | | | B3 | | | | | | | | | 1.720 | | | | B3 | | | | | | | | | 2.595 | | | | B3 |
| 4 | Total depreciation charge for the year | £m | 3 | | | | | | | | | 1.348 | | | | B3 | | | | | | | | | 2.866 | | | | B3 | | | | | | | | | 4.214 | | | | B3 |
| 5 | Total depreciation charged | £m | 3 | 38.517 | 16.635 | 16.839 | 29.363 | 29.363 | 30.375 | 32.026 | 35.409 | 39.439 | | | | B3 | 67.861 | 35.670 | 36.141 | 45.549 | 46.333 | 48.959 | 50.659 | 54.616 | 60.920 | | | | B3 | 106.378 | 52.305 | 52.980 | 73.771 | 75.696 | 79.334 | 82.685 | 90.019 | 100.359 | | | | B3 |

| | DESCRIPTION | UNITS | DP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | CG | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | CG | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | CG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Water Service | | | | | | | | | | | | | Sewerage Service | | | | | | | | | | | | | Total | | | | | | | | | | | | |
| | | | | Actual 2015-16 | Actual 2016-17 | Actual 2017-18 | Actual 2018-19 | Actual 2019-20 | Actual 2020-21 | Actual 2021-22 | Actual 2022-23 | Actual 2023-24 | Actual 2024-25 | Actual 2025-26 | Actual 2026-27 | | Actual 2015-16 | Actual 2016-17 | Actual 2017-18 | Actual 2018-19 | Actual 2019-20 | Actual 2020-21 | Actual 2021-22 | Actual 2022-23 | Actual 2023-24 | Actual 2024-25 | Actual 2025-26 | Actual 2026-27 | | Actual 2015-16 | Actual 2016-17 | Actual 2017-18 | Actual 2018-19 | Actual 2019-20 | Actual 2020-21 | Actual 2021-22 | Actual 2022-23 | Actual 2023-24 | Actual 2024-25 | Actual 2025-26 | Actual 2026-27 | |
| B | **INFRASTRUCTURE RENEWALS CHARGES, EXPENDITURE AND PROVISION** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Infrastructure renewals expenditure | £m | 3 | 11.134 | 19.467 | 17.015 | 17.726 | 22.299 | 21.684 | 16.431 | 16.646 | 23.265 | | | | B2 | 9.010 | 10.434 | 13.235 | 14.864 | 14.280 | 15.195 | 13.609 | 13.599 | 23.375 | | | | B2 | 20.144 | 29.933 | 30.250 | 32.590 | 36.579 | 36.879 | 30.031 | 30.245 | 46.640 | | | | B2 |
| 7 | Infrastructure renewals charges | £m | 3 | 14.410 | 10.253 | 14.879 | 15.077 | 15.325 | 15.418 | 14.055 | 25.432 | 32.152 | | | | C5 | 10.876 | 14.795 | 11.078 | 11.379 | 11.588 | 11.638 | 12.020 | 24.058 | 25.669 | | | | C5 | 25.286 | 25.048 | 25.797 | 26.456 | 26.891 | 27.054 | 26.115 | 49.490 | 57.821 | | | | C5 |
| 8 | Infrastructure renewals prepayment/ (accrual) | £m | 3 | 7.881 | 17.125 | 19.462 | 22.111 | 29.085 | 35.352 | 37.697 | 28.901 | 20.015 | | | | C5 | -15.244 | -19.565 | -17.408 | -13.923 | -11.209 | -7.650 | -6.070 | -16.529 | -18.823 | | | | C5 | -7.363 | -2.440 | 2.054 | 8.186 | 17.876 | 27.702 | 31.617 | 12.372 | 1.192 | | | | C5 |

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 33 FINANCIAL MEASURES (HISTORIC COST ACCOUNTING)

DEPRECIATION CHARGE BY ASSET TYPE (PPP Only)

| | DESCRIPTION | UNITS | DP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | CG | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | CG | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | CG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Water Service | | | | | | | | | | | | | Sewerage Service | | | | | | | | | | | | | Total | | | | | | | | | | | | |
| | | | | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 | 2020-21 | 2021-22 | 2022-23 | 2023-24 | 2024-25 | 2025-26 | 2026-27 | | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 | 2020-21 | 2021-22 | 2022-23 | 2023-24 | 2024-25 | 2025-26 | 2026-27 | | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 | 2020-21 | 2021-22 | 2022-23 | 2023-24 | 2024-25 | 2025-26 | 2026-27 | |
| A | DEPRECIATION CHARGE FOR THE YEAR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Depreciation as at 31 March of the year | £m | 3 | 4.146 | 3.407 | 3.442 | 3.804 | 3.891 | 3.953 | 4.011 | 4.127 | | | | | B3 | 0.000 | 0.000 | 0.000 | 4.590 | 4.687 | 4.793 | 4.728 | 4.751 | | | | | B3 | 4.146 | 3.407 | 3.442 | 8.394 | 8.578 | 8.746 | 8.739 | 8.878 | | | | | B3 |
| 2 | Depreciation on additions (enhancement assets) post 1 April 2014 | £m | 3 | | | | | | | | | 0.000 | | | | B3 | | | | | | | | | 0.000 | | | | B3 | | | | | | | | | 0.000 | | | | B3 |
| 3 | Depreciation on additions (MNI assets) post 1 April 2014 | £m | 3 | | | | | | | | | 0.115 | | | | B3 | | | | | | | | | 0.077 | | | | B3 | | | | | | | | | 0.192 | | | | B3 |
| 4 | Total depreciation charge for the year | £m | 3 | | | | | | | | | 0.115 | | | | B3 | | | | | | | | | 0.077 | | | | B3 | | | | | | | | | 0.192 | | | | B3 |
| 5 | Total depreciation charged | £m | 3 | 4.146 | 3.407 | 3.442 | 3.804 | 3.891 | 3.953 | 4.011 | 4.127 | 4.198 | | | | B3 | 0.000 | 0.000 | 0.000 | 4.590 | 4.687 | 4.793 | 4.728 | 4.751 | 4.868 | | | | B3 | 4.146 | 3.407 | 3.442 | 8.394 | 8.578 | 8.746 | 8.739 | 8.878 | 9.066 | | | | B3 |

1257

| | DESCRIPTION | UNITS | DP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | CG | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | CG | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | CG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Water Service | | | | | | | | | | | | | Sewerage Service | | | | | | | | | | | | | Total | | | | | | | | | | | | |
| | | | | Actual 2015-16 | Actual 2016-17 | Actual 2017-18 | Actual 2018-19 | Actual 2019-20 | Actual 2020-21 | Actual 2021-22 | Actual 2022-23 | Actual 2023-24 | Actual 2024-25 | Actual 2025-26 | Actual 2026-27 | | Actual 2015-16 | Actual 2016-17 | Actual 2017-18 | Actual 2018-19 | Actual 2019-20 | Actual 2020-21 | Actual 2021-22 | Actual 2022-23 | Actual 2023-24 | Actual 2024-25 | Actual 2025-26 | Actual 2026-27 | | Actual 2015-16 | Actual 2016-17 | Actual 2017-18 | Actual 2018-19 | Actual 2019-20 | Actual 2020-21 | Actual 2021-22 | Actual 2022-23 | Actual 2023-24 | Actual 2024-25 | Actual 2025-26 | Actual 2026-27 | |
| B | INFRASTRUCTURE RENEWALS CHARGES, EXPENDITURE AND PROVISION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Infrastructure renewals expenditure | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | B2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | B2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | | | | B2 |
| 7 | Infrastructure renewals charges | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | C5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | C5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | | | | C5 |
| 8 | Infrastructure renewals prepayment/ (accrual) | £m | 3 | 1.519 | 1.519 | 1.519 | 1.519 | 1.519 | 1.519 | 1.519 | 1.519 | 1.519 | | | | C5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | C5 | 1.519 | 1.519 | 1.519 | 1.519 | 1.519 | 1.519 | 1.519 | 1.519 | 1.519 | | | | C5 |

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 33 FINANCIAL MEASURES (HISTORIC COST ACCOUNTING)

DEPRECIATION CHARGE BY ASSET TYPE (Total)

| | DESCRIPTION | UNITS | DP | Water Service | | | | | | | | | | | | Sewerage Service | | | | | | | | | | | | Total | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 |
| | | | | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 | 2020-21 | 2021-22 | 2022-23 | 2023-24 | 2024-25 | 2025-26 | 2026-27 | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 | 2020-21 | 2021-22 | 2022-23 | 2023-24 | 2024-25 | 2025-26 | 2026-27 | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 | 2020-21 | 2021-22 | 2022-23 | 2023-24 | 2024-25 | 2025-26 | 2026-27 |
| A | DEPRECIATION CHARGE FOR THE YEAR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Depreciation as at 31 March of the year | £m | 3 | 42.665 | 20.040 | 20.281 | 32.026 | 33.254 | 34.328 | 36.037 | 39.536 | | | | | 67.861 | 35.670 | 36.141 | 50.139 | 51.020 | 53.752 | 55.387 | 59.361 | | | | | 110.524 | 55.712 | 56.422 | 82.165 | 84.274 | 88.080 | 91.424 | 98.897 | | | | |
| 2 | Depreciation on additions (enhancement assets) post 1 April 2014 | £m | 3 | | | | | | | | | 0.473 | | | | | | | | | | | | 1.146 | | | | | | | | | | | | 1.619 | | | |
| 3 | Depreciation on additions (MNI assets) post 1 April 2014 | £m | 3 | | | | | | | | | 0.990 | | | | | | | | | | | | 1.797 | | | | | | | | | | | | 2.787 | | | |
| 4 | Total depreciation charge for the year | £m | 3 | | | | | | | | | 1.463 | | | | | | | | | | | | 2.943 | | | | | | | | | | | | 4.406 | | | |
| 5 | Total depreciation charged | £m | 3 | 42.665 | 20.040 | 20.281 | 32.026 | 33.254 | 34.328 | 36.037 | 39.536 | 43.637 | | | | 67.861 | 35.670 | 36.141 | 50.139 | 51.020 | 53.752 | 55.387 | 59.361 | 65.786 | | | | 110.524 | 55.712 | 56.422 | 82.165 | 84.274 | 88.080 | 91.424 | 98.897 | 109.425 | | | |

| | DESCRIPTION | UNITS | DP | Water Service | | | | | | | | | | | | Sewerage Service | | | | | | | | | | | | Total | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 |
| | | | | Actual 2015-16 | Actual 2016-17 | Actual 2017-18 | Actual 2018-19 | Actual 2019-20 | Actual 2020-21 | Actual 2021-22 | Actual 2022-23 | Actual 2023-24 | Actual 2024-25 | Actual 2025-26 | Actual 2026-27 | Actual 2015-16 | Actual 2016-17 | Actual 2017-18 | Actual 2018-19 | Actual 2019-20 | Actual 2020-21 | Actual 2021-22 | Actual 2022-23 | Actual 2023-24 | Actual 2024-25 | Actual 2025-26 | Actual 2026-27 | Actual 2015-16 | Actual 2016-17 | Actual 2017-18 | Actual 2018-19 | Actual 2019-20 | Actual 2020-21 | Actual 2021-22 | Actual 2022-23 | Actual 2023-24 | Actual 2024-25 | Actual 2025-26 | Actual 2026-27 |
| B | INFRASTRUCTURE RENEWALS CHARGES, EXPENDITURE AND PROVISION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Infrastructure renewals expenditure | £m | 3 | 11.134 | 19.497 | 17.015 | 17.726 | 22.299 | 21.684 | 16.437 | 16.646 | 23.285 | | | | 9.010 | 10.434 | 13.235 | 14.804 | 14.260 | 15.195 | 13.600 | 13.599 | 23.375 | | | | 20.144 | 29.931 | 30.250 | 32.530 | 36.579 | 36.879 | 30.037 | 13.599 | 46.660 | | | |
| 7 | Infrastructure renewals charges | £m | 3 | 14.410 | 10.253 | 14.679 | 15.077 | 15.325 | 15.418 | 14.095 | 25.432 | 32.152 | | | | 10.876 | 14.755 | 11.078 | 11.379 | 11.566 | 11.636 | 12.020 | 24.058 | 25.669 | | | | 25.286 | 25.008 | 25.757 | 26.456 | 26.891 | 27.054 | 26.115 | 24.058 | 57.821 | | | |
| 8 | Infrastructure renewals prepayment/ (accrual) | £m | 3 | 9.409 | 18.644 | 20.981 | 23.630 | 30.604 | 36.871 | 39.266 | 30.420 | 21.534 | | | | -15.244 | -19.566 | -17.408 | -13.923 | -11.209 | -7.650 | -6.070 | -16.529 | -18.823 | | | | -5.844 | -0.921 | 3.573 | 9.707 | 19.395 | 29.221 | 33.136 | -16.529 | 2.711 | | | |

# Table 33 – Depreciation Charge by Asset Type

## IFRS Depreciation Charge

The depreciation charge for the year has been populated using the same methodology used to populate Table 25. IFRS depreciation was calculated using the Fixed Asset Register (Real Asset Management).

The final IFRS depreciation report was used to analyse assets into each of their respective asset categories and service activities to identify the water and sewerage services. The management and general service activity could not be readily identified as water and sewerage services and have used the following percentages split as per IFM: Water 41% and Sewerage 59%.

The table has been populated using actual depreciation figures for each financial year contained in the relevant Regulatory Accounts.

With respect to Confidence Grades this is reported as B3. This is applied given the close link with the CIDA allocations data source which has been reported as B3 in the capital expenditure tables 35 and 36.

There are three main PPP Projects – Alpha, Omega and Kinnegar. The depreciation for these PPP assets is shown separately in the second table for PPP only.

Depreciation for the year in relation to the PPP Alpha Project was [redacted] for 2023/24 (2022/23: [redacted]). Deprecation for Omega in 2023/24 is [redacted] (2022/23: [redacted]) and Kinnegar [redacted] (2022/23: [redacted]).

The asset lives used in calculating depreciation are consistent with those that have been used to populate Table 34.

| | Water (23/24) | Sewerage (23/24) | Total (23/24) |
|---|---|---|---|
| **IFRS Depreciation in year** | £43,637,636.36 | £65,788,427.31 | £109,426,063.67 |
| **Accelerated Depreciation** | - | - | - |
| **Total (2022/2023)** | £43,637,636,36 | £65,788,427.31 | £109,426,063.67 |

| | Water (22/23) | Sewerage (22/23) | Total (22/23) |
|---|---|---|---|
| **IFRS Depreciation in year** | £39,536,273.47 | £59,360,232.70 | £98,896,506.17 |
| **Accelerated Depreciation** | - | - | - |
| **Total (2022/2023)** | £39,536,273.47 | £59,360,232.70 | £98,896,506.17 |

## Infrastructure Renewals accounting

The IRC calculation for 23/24 is based on the final determination arising from PC21. The Regulator determined that the IRC and IRE will be the same for the six year period of PC21. The projected IRE forms part of the PC21 capital expenditure plans.

The difference between the actual out-turn IRE and the IRC is treated as an accrual or prepayment.

**2023-2024 IRC**

The IRC for 2023-2024 based on PC21 can be summarised as follows:

Water - £32.152m
Sewerage - £25.669m
Total - £57.821m

The out-turn IRE for 2023-2024 can be shown as follows:

Water - £23.265m
Sewerage - £23.375m
Total - £46.640m

The accruals at 31 March 2024 can be shown as follows:

| | W TOTAL £m | S TOTAL £m | Total TOTAL £m |
|---|---|---|---|
| **IRE** | 23.265 | 23.375 | 46.640 |
| **IRC** | (32.152) | (25.669) | (57.821) |
| **In year prepayment / (accrual)** | (8.887) | (2.294) | (11.181) |
| **c/f prepayment / (accrual)** | 30.421 | (16.529) | 13.892 |
| **Cumulative prepayment / (accrual)** | 21.534 | (18.823) | 2.711 |

At the end of the year to 31 March 2024 a prepayment balance of £2.711m was evident. This balance arose as the in-year accrual of £11.181m for 2023/24 was added to the cumulative brought forward prepayment balance of £13.892m, which existed at 31st March 2023.

In line with the underlying principles of infrastructure renewals accounting it is anticipated that the cumulative level of IRE and IRC should broadly match over the longer term. The water prepayment and sewerage accrual at 31st March 2024 will be monitored to ensure that the level of IRC charged in the future to the profit and loss account is appropriate given actual levels of IRE.

**PPP**

Alpha, Omega and Kinnegar have not given rise to any IRE for this year and therefore no IRC has been allocated to the PPP services.

The Statutory accounts are prepared under IFRS and infrastructure renewals accounting is not applied. Infrastructure depreciation is charged in the statutory accounts and the value of this would differ from the IRC in the regulatory accounts. However, AIR 24 has been prepared under IFRS as directed by the Utility Regulator. No IRC is reported in the regulatory accounts. IRC and IRE are only reported in Table 33.

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 34 FINANCIAL MEASURES
ANALYSIS OF NON-INFRASTRUCTURE FIXED ASSET ADDITIONS BY LIFE CATEGORIES - NI WATER ONLY

| | DESCRIPTION | UNITS | DP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | CG | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | CG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Water Service | | | | | | | | | | | | | Sewerage Service | | | | | | | | | | | | |
| | | | | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 | 2020-21 | 2021-22 | 2022-23 | 2023-24 | 2024-25 | 2025-26 | 2026-27 | | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 | 2020-21 | 2021-22 | 2022-23 | 2023-24 | 2024-25 | 2025-26 | 2026-27 | |
| A | ACCOUNTING FIXED ASSET ADDITIONS NON-INFRASTRUCTURE ASSET ADDITIONS (ENHANCEMENT) BY ASSET LIFE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Very Short | £m | 3 | 0.077 | 0.199 | 0.032 | 0.018 | 0.031 | 0.000 | 1.221 | 0.222 | 0.856 | | | | B2 | 0.071 | 0.156 | -0.001 | 0.025 | 0.043 | 0.008 | 1.389 | 0.555 | 1.567 | | | | B2 |
| 2 | Short | £m | 3 | 1.154 | 2.954 | 2.858 | 1.710 | 1.921 | 4.082 | 5.793 | 6.826 | 6.199 | | | | B2 | 4.272 | 1.908 | 2.049 | 4.274 | 5.731 | 6.440 | 6.483 | 8.583 | 12.523 | | | | B2 |
| 3 | Medium | £m | 3 | 2.279 | 1.536 | 7.662 | 3.562 | 6.407 | 8.395 | 10.893 | 20.967 | 15.024 | | | | B2 | 4.251 | 6.604 | 6.082 | 8.813 | 10.114 | 11.946 | 13.986 | 17.759 | 24.546 | | | | B2 |
| 4 | Medium long | £m | 3 | 0.000 | 0.000 | -0.003 | 0.000 | 0.111 | 0.000 | 0.128 | 0.000 | 0.035 | | | | B2 | 0.002 | 0.001 | 0.012 | -0.003 | 0.001 | 0.000 | 0.004 | 0.028 | 0.001 | | | | B2 |
| 5 | Long | £m | 3 | 2.715 | 2.094 | 3.405 | 7.858 | 7.250 | 5.860 | 6.587 | 10.845 | 14.545 | | | | B2 | 6.455 | 9.202 | 9.578 | 9.093 | 14.158 | 13.266 | 17.196 | 22.485 | 30.919 | | | | B2 |
| 6 | Land | £m | 3 | 0.000 | 0.009 | 0.695 | 0.230 | 0.215 | 0.287 | 0.152 | 0.000 | 0.000 | | | | B2 | 0.261 | 0.340 | 0.538 | 0.201 | -0.041 | 0.000 | 0.000 | 0.000 | 0.000 | | | | B2 |
| 7 | Land Disposals | £m | 3 | -0.164 | -0.166 | -0.128 | 0.046 | 0.000 | 0.000 | 0.000 | -0.001 | 0.164 | | | | B2 | -0.251 | -0.120 | -0.114 | 0.049 | 0.000 | 0.000 | 0.000 | -0.001 | 1.996 | | | | B2 |
| 8 | Total | £m | 3 | 6.061 | 6.626 | 14.520 | 13.425 | 15.937 | 18.624 | 24.774 | 38.859 | 36.821 | | | | B2 | 15.060 | 18.091 | 18.144 | 22.452 | 30.005 | 31.659 | 39.057 | 49.408 | 71.553 | | | | B2 |
| B | NON-INFRASTRUCTURE ASSET ADDITIONS (BASE SERVICE) BY ASSET LIFE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | Very Short | £m | 3 | 1.705 | 2.044 | 1.504 | 0.959 | 1.774 | 1.219 | 0.911 | 1.077 | 1.033 | | | | B2 | 0.811 | 1.780 | 1.143 | 1.071 | 2.092 | 1.015 | 1.258 | 2.358 | 2.538 | | | | B2 |
| 10 | Short | £m | 3 | 4.524 | 4.585 | 4.186 | 6.558 | 6.413 | 8.261 | 11.669 | 13.648 | 10.511 | | | | B2 | 4.545 | 4.560 | 4.781 | 9.834 | 7.272 | 8.600 | 8.593 | 11.431 | 15.403 | | | | B2 |
| 11 | Medium | £m | 3 | 10.926 | 12.066 | 11.994 | 10.006 | 5.668 | 6.299 | 23.733 | 15.151 | 25.089 | | | | B2 | 22.828 | 25.713 | 23.372 | 19.223 | 19.412 | 20.655 | 28.690 | 32.178 | 28.676 | | | | B2 |
| 12 | Medium long | £m | 3 | 0.380 | 0.481 | 0.149 | 0.053 | 0.034 | 0.078 | 0.123 | 0.302 | 0.563 | | | | B2 | 0.092 | 0.164 | 0.084 | 0.166 | 0.119 | 0.068 | 0.193 | 0.178 | 0.038 | | | | B2 |
| 13 | Long | £m | 3 | 5.701 | 4.368 | 4.159 | 4.398 | 3.676 | 3.889 | 9.533 | 16.092 | 22.806 | | | | B2 | 14.523 | 14.031 | 13.473 | 13.574 | 10.934 | 10.008 | 10.258 | 20.938 | 24.525 | | | | B2 |
| 14 | Total | £m | 3 | 23.235 | 23.543 | 21.992 | 21.974 | 17.564 | 19.746 | 45.970 | 46.270 | 60.002 | | | | B2 | 42.799 | 46.247 | 42.854 | 43.868 | 39.830 | 40.345 | 48.992 | 67.083 | 71.179 | | | | B2 |
| C | NON-INFRASTRUCTURE ADDITIONS AVERAGE LIFE (YEARS) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | Very Short | years | 0 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | Short | years | 0 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | Medium | years | 0 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | Medium long | years | 0 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | Long | years | 0 | | | | | | | | | | | | | | | | | | | | | | | | | |

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 34 FINANCIAL MEASURES
ANALYSIS OF NON-INFRASTRUCTURE FIXED ASSET ADDITIONS BY LIFE CATEGORIES - PPP

| | DESCRIPTION | UNITS | DP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Water Service | | | | | | | | | | | | | Sewerage Service | | | | | | | | | | | | |
| | | | | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 | 2020-21 | 2021-22 | 2022-23 | 2023-24 | 2024-25 | 2025-26 | 2026-27 | CG | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 | 2020-21 | 2021-22 | 2022-23 | 2023-24 | 2024-25 | 2025-26 | 2026-27 | CG |
| A | ACCOUNTING FIXED ASSET ADDITIONS NON-INFRASTRUCTURE ASSET ADDITIONS (ENHANCEMENT) BY ASSET LIFE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Very Short | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | n/a | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | n/a |
| 2 | Short | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | n/a | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | n/a |
| 3 | Medium | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | n/a | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | n/a |
| 4 | Medium long | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | n/a | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | n/a |
| 5 | Long | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | n/a | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | n/a |
| 6 | Land | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | n/a | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | n/a |
| 7 | Land Disposals | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | n/a | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | n/a |
| 8 | Total | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | n/a | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | n/a |
| B | NON-INFRASTRUCTURE ASSET ADDITIONS (BASE SERVICE) BY ASSET LIFE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | Very Short | £m | 3 | | | | | | | | | | | | | n/a | | | | | | | | | | | | | n/a |
| 10 | Short | £m | 3 | | | | | | | | | | | | | n/a | | | | | | | | | | | | | n/a |
| 11 | Medium | £m | 3 | | | | | | | | | | | | | n/a | | | | | | | | | | | | | n/a |
| 12 | Medium long | £m | 3 | | | | | | | | | | | | | n/a | | | | | | | | | | | | | n/a |
| 13 | Long | £m | 3 | | | | | | | | | | | | | n/a | | | | | | | | | | | | | n/a |
| 14 | Total | £m | 3 | | | | | | | | | | | | | n/a | | | | | | | | | | | | | n/a |
| C | NON-INFRASTRUCTURE ADDITIONS AVERAGE LIFE (YEARS) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | Very Short | years | 0 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | Short | years | 0 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | Medium | years | 0 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | Medium long | years | 0 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | Long | years | 0 | | | | | | | | | | | | | | | | | | | | | | | | | |

## Table 34 – Financial Measures (Current Cost Accounting) - Analysis of Non-Infrastructure Fixed Asset Additions by Life Categories

### Asset lives

The last comprehensive review of asset lives was completed as part of NIAMP2 in 2001. An interim review was completed in 2011/12 following the reporter recommendations in AIR11 and 8 new financial categories have been added to list used in NI Water. Any further changes will be processed as they occur. Asset lives on historic projects have not been amended to reflect new asset life categories. The new financial categories added and in use from April 2012 are as follows:

Table 1: New financial categories

| Financial Category | Definition | Life in years |
|---|---|---|
| Fences | All fences around sites | 40 |
| Meters | Domestic Water Meters | 17 |
| Batteries | Batteries for loggers, toughbooks etc. | 4 |
| Filter Media | Media in Biological filters, Sand filters etc. | 20 |
| MBR Membranes | MBR membranes | 5 |
| Rotating Biological Filters | RBC package plants | 20 |
| Kiosks | All kiosk type structures including small control kiosks and prefabricated control buildings | 20 |
| Steel Tanks | All Steel tanks for storage and processes | 40 |

Following reporter review of the PC15 plan a change initiated for AIR16 has been continued in AIR24. This change applies to the life for Meters which have been changed to 17 years to align with PC15 Business plan assumptions.

The above categories have been added to CPMR/Captrax for CIDA allocation. The availability of the financial category is dependent on the asset type selected so for example MBR membranes are only available for selection within WwTW. The definitions have also been uploaded within the selection process, as a reminder to the project manager when selections are being made.

Individual judgements on asset lives are not made during this annual process of AIR collation.

### Methodology PPP table

Figures for PPP Alpha Capital maintenance have been taken directly from the PPP Model and apportioned between Fixed Plant and Civils as per the PPP Model. This is the same process as adopted since AIR09.

### PPP - Omega

No PPP OMEGA capital has been reported in the current year AIR financial tables for the following reasons:

- The Capital Cost split between Civils and M & E has been extracted from the PPP Model. This does not distinguish between infra and non infra elements and unlike ALPHA no valid assumptions can be made to define individual projects as some of the projects contain both infra and non infra elements.
- QBEG information has been captured on each project within OMEGA in a similar basis as was captured for the SBP submission which includes backlog base. In order

to maintain consistency within all the tables we have not populated any of the OMEGA capital expenditure within the tables.

**PPP - Kinnegar**

No PPP Kinnegar residual interest finance has been populated as NI Water has no information on either the QBEG or the Asset Life categories for this project.

**NI Water Table**

The asset lives adopted for Regulatory reporting are consistent with those in the Fixed Asset Register (FAR). The links for reporting purposes are outlined in the Capital investment Driver allocation manual.

The last comprehensive review of asset lives was completed as part of NIAMP2 in 2001. An interim review was completed in 2011/12 and new financial categories have been added to NI Water systems for application from April 2012.
Expenditure is charged to individual projects and these are assigned individual asset lives for regulatory reporting.

This table is consistent with the analysis in Table 32. All expenditure reported in Table 34 is in outturn prices, gross of grants and contributions.

**PPP Table**

The expenditure of [redacted] on this table relates to the Capital Maintenance element of PPP Alpha expenditure for the current year. The [redacted] is reported in Section B of the table and is split using the Asset lives split assumed in the PPP Model. There is no PPP Capital on Sewerage

**Land Disposal**

The Historical Cost Accounting (HCA) book value is determined from the Fixed Asset Register based upon the Asset Management plan completed in 2001. The figures stated are the HCA book values for all disposals in the stated year.

**Assets fully depreciated but still in use at year-end**

The total current cost Gross Book Value (GBV) of assets on the fixed asset register at Year End, with zero Net Book Value (NBV) is £259,935,696.06.

**Confidence grades**

Confidence grades have been assigned to the elements of Table 34 based on guidance received from the Reporter in AIR11:

**"The Company should apply a confidence grade of B2 for most lines, with B3 for the smaller numbers (where a single misallocation could be more significant)."**

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 35 FINANCIAL MEASURES

CAPITAL INVESTMENT - PUBLIC EXPENDITURE RECONCILIATION

| | DESCRIPTION | UNITS | DP | 1<br>2015-16 | 2<br>2016-17 | 3<br>2017-18 | 4<br>2018-19 | 5<br>2019-20 | 6<br>2020-21 | 7<br>2021-22 | 8<br>2022-23 | 9<br>2023-24 | 10<br>2024-25 | 11<br>2025-26 | 12<br>2026-27 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A** | **Available PE capital budget in nominal prices** | | | | | | | | | | | | | | |
| 1 | Public Expenditure capital budget available | £m | 3 | | | | | | | | | | | | |
| **B** | **Capital budget statement in nominal prices** | | | | | | | | | | | | | | |
| 2 | Public Expenditure capital budget used | £m | 3 | 140.291 | 147.099 | 174.969 | 162.956 | 153.441 | 170.659 | 222.050 | 290.127 | 337.268 | | | |
| 3 | Alpha PPP maintenance | £m | 3 | -1.228 | -0.500 | -3.176 | -1.857 | -1.652 | -2.384 | -2.633 | -1.816 | -1.640 | | | |
| 4 | Residual interest in off-balance sheet PPP | £m | 3 | | | | | | | | | | | | |
| 5 | IFRS infrastructure renewal charge adjustment | £m | 3 | 1.194 | 1.117 | 1.188 | 1.213 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | |
| 6 | *Further adjustments……* | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | |
| 6a | Unwinding of capital provision | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.000 | 0.000 | 0.000 | | | |
| 6b | Rounding | £m | 3 | -0.001 | 0.000 | -0.003 | 0.002 | -0.009 | -0.002 | -0.115 | -0.051 | 0.034 | | | |
| 6c | Decapitalised assets | £m | 3 | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | |
| 6d | Project Clear: Acquistion of Alpha PPP | £m | 3 | | | -29.179 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | |
| 7 | Capital grants and contributions | £m | 3 | 7.985 | 11.550 | 14.009 | 14.005 | 25.970 | 14.396 | 14.072 | 12.781 | 11.978 | | | |
| 8 | Capital grants and contributions transferred to deferred credits | £m | 3 | -0.999 | -1.284 | -1.452 | -1.354 | -1.457 | -1.295 | -1.440 | -1.321 | -1.394 | | | |
| 9 | NI Water gross capital budget | £m | 3 | 143.691 | 154.337 | 152.620 | 171.135 | 172.366 | 177.352 | 228.810 | 295.820 | 341.547 | | | |

# Table 35 – Financial Measures – Capital Investment – Public Expenditure Reconciliation

## Introduction

This table provides a statement of the capital budget available and capital budget utilised in Public Expenditure terms and the gross capital expenditure by NI Water, all expressed in nominal terms. The table follows the content and structure of Table 3.2 of the PC21 information requirements to facilitate comparison between the Business Plan submission and actual expenditure.

Block A reports the available Public Expenditure capital budget agreed with the Department for infrastructure, DfI, for the relevant financial year. Block B provides a reconciliation between the Public Expenditure capital budget used and NI Water's gross capital expenditure, identifying differences arising from changes due to the treatment of PPP unitary charge, different accounting treatments and the impact of income from capital grants and contributions.

## Line 1 - Public Expenditure capital budget available

Entries to line 1 represent the total budget 'Capital DEL Acquisitions' agreed with DfI for each financial year and includes movements to funding resulting from budget transfers within monitoring rounds. This is all expenditure which DfI classifies as 'capital DEL' and includes normal capital expenditure (both base & enhancement), PPP capital maintenance on on-balance sheet PPP contracts and residual interest on off-balance sheet PPP contracts.

As DfI have adopted IFRS as an accounting framework, the available PE will also be stated on an IFRS basis.

In the reporting year, the PE capital DEL budgeted at the beginning of the year was £370.0m including £51.6m LWWP. This was £20.3m less than that assumed within the PC21 FD, after revised indexation is taken into account. This is set out in the table below and shows that this £20.3m reduction in capital DEL from the PC21 FD is equivalent to a £25.0m reduction in gross capital expenditure once other capital allocations are taken into account.

| | PC21 Final Determination (re-indexed) | Budget | Variance |
|---|---|---|---|
| | 2023-24 | 2023-24 | 2023-24 |
| | £M | £M | £M |
| PE Capital DEL Acquisitions | 390.3 | 370.0 | +20.3 |
| Alpha PPP maintenance / capex | (1.4) | (1.4) | - |
| Residual interest in off balance sheet PPP | (4.3) | (4.7) | +0.4 |
| Capital grants and contributions | 16.0 | 11.1 | +4.9 |
| Capital grants and contributions transferred to deferred credits | (1.9) | (1.3) | (0.6) |
| NI Water gross capital budget | 398.7 | 373.7 | +25.0 |

Capital DEL available was only confirmed as £321.176m in May-23 which was significantly lower than the £370m assumed in the budget. In terms of movements in funding within the current year, NI Water's 'Capital DEL Acquisitions' budget was increased by £16.132m over

the year. This included additional CDEL allocations via monitoring rounds and other more specific funding including SBRI funding for smart sewer networks and DfE funding for hydro turbines, pumps plus some additional LWWP funding.

The PE capital DEL funding (DEL Acquisitions) at the end of the reporting year is as follows:

| | Funding | 2022/23 |
|---|---|---|
| | Confirmed | £m |
| PE Capital DEL budget at start of year | May-23 | 321.176 |
| Additional CDEL Allocations | Feb-24 | 7.000 |
| Additional CDEL Allocations | Mar-24 | 3.000 |
| LWWP Belfast SDIP Integrated Drainage Modelling | Jul-23 | 0.700 |
| DfE funding re flooding Oct-23 | Feb-24 | 0.302 |
| DfE - Hydro turbines | Sep-23 | 2.708 |
| DfE - Pumps | Sep-23 | 2.000 |
| SBRI Smart Sewer Network Phase 2 | Oct-23 | 0.400 |
| Gross up for DEL Disposals | | 0.022 |
| **Final DfI budget available at end of year** | | **337.308** |

Taking into account these and other movements, gross capital expenditure available to NI Water was £337.3m, £53.0m lower than assumed in the PC21 FD.

| | PC21 Final Determination | Final Outturn | Variance |
|---|---|---|---|
| | 2023-24 | 2023-24 | 2023-24 |
| | £M | £M | £M |
| PE Capital DEL Acquisitions | 390.3 | 337.3 | +53.0 |
| Alpha PPP maintenance / capex | (1.4) | (1.6) | +0.2 |
| Residual interest in off balance sheet PPP | (4.3) | (4.7) | +0.4 |
| Capital grants and contributions | 16.0 | 12.0 | +4.0 |
| Capital grants and contributions transferred to deferred credits | (1.9) | (1.4) | (0.5) |
| NI Water gross capital budget | 398.7 | 341.6 | +57.1 |

Higher RPI inflation than that assumed in the PC21 FD has resulted in an increase in funding required to deliver the programme. This has been reflected in the FD numbers above with the Capital DEL figure being £63.0m higher than published in the FD.

**Line 2 – PE capital budget used**

Represents total 'Capital DEL Acquisitions' calculated as line 9 minus the sum of lines 3 – 8 inclusive.

Taking into account the additional budget transfers received, actual spend was in line with available 'Capital DEL Acquisitions'.

Note the PE capital used has been agreed to our 2023-24 'provisional outturn' return submitted to DfI on the 30th April 2024. The 2023-24 'final outturn' will be provided to DfI mid-July. At this time we are not aware of any potential change to the provisional figure we have used but will update the Utility Regulator of any change post submission.

**Line 3 – Alpha PPP maintenance**

Following the Alpha purchase in 2017/18, actual capital expenditure by the Alpha group of companies now scores as Capital DEL under Public Expenditure.

The amounts reported within line 3 includes £1.640 m capital expenditure incurred directly by NI Water Alpha Ltd.

**Line 4 – Residual interest in off-balance sheet PPP**

This represents the element of the Omega and Kinnegar PPP unitary payments which is allocated against residual interest in the relevant year.

Although the Regulatory Accounts are now presented in IFRS, for government reporting purposes, Omega & Kinnegar remain off-balance sheet.

Each year a portion of the unitary charge is debited against a 'residual interest asset' on the balance sheet with the aim of building up an asset which can be transferred to NI Water at end of the PPP contract term. The value of this asset would equal the forecast residual value of the relevant assets at the time of transfer.

The breakdown between Omega & Kinnegar is shown below.

| | **2022/23** |
|---|---|
| Kinnegar Residual Interest | [redacted] |
| Omega Residual Interest | [redacted] |
| **Total** | [redacted] |

Due to the move to IFRS, entries to this line no longer reconcile directly to Table 42. This is due to Omega and Kinnegar remaining off balance sheet for Government reporting.

**Line 5 – IFRS infrastructure renewals charge adjustment**

No longer required as this adjustment is included within gross capital expenditure within Table 36.

**Line 6 – Further adjustments**

Line 6b shows an unreconciled difference of -£0.051m which is deemed immaterial and has not been looked into further. We are content with the reconciliation between reported capital DEL and capital expenditure as reported in our statutory accounts.

**Line 7 – Capital grants and contributions**

This represents the total of capital grants and contributions received in nominal prices.

Entries to this line are consistent with Table 37 line 17.

**Line 8 – Capital grants and contributions transferred to deferred credits**

An element of the capital grants and contributions received is assumed to relate to non-infrastructure assets with an associated useful life. Adoption of the financial 'matching' principle, i.e. the process of linking revenue to associated costs means that we must match the amortisation of the contribution against the depreciation charge on the assets over their useful economic life.

We currently assume 30% of infrastructure charges relate to non-infrastructure and is transferred to a deferred capital contribution account and released to the P&L over a 20 year period.

Entries to this line are consistent with Table 37 line 18.

**Line 9 – NI Water gross capital expenditure**

Represents gross capital expenditure as per Table 36. This line now incorporates the IFRS repairs adjustment which was previously reported in Table 35 Line 5.

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 36 FINANCIAL MEASURES
CAPITAL INVESTMENT - GROSS CAPITAL INVESTMENT SUMMARY

| | DESCRIPTION | UNITS | DP | 1 REPORTING YEAR 2015-16 | CG | 2 REPORTING YEAR 2016-17 | CG | 3 REPORTING YEAR 2017-18 | CG | 4 REPORTING YEAR 2018-19 | CG | 5 REPORTING YEAR 2019-20 | CG | 6 REPORTING YEAR 2020-21 | CG | 7 REPORTING YEAR 2021-22 | CG | 8 REPORTING YEAR 2022-23 | CG | 9 REPORTING YEAR 2023-24 | CG | 10 REPORTING YEAR 2024-25 | CG | 11 REPORTING YEAR 2025-26 | CG | 12 REPORTING YEAR 2026-27 | CG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A** | **Water service** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Non-infrastructure maintenance (gross of grants and contributions) | £m | 3 | 23.235 | B2 | 23.543 | B3 | 21.992 | B3 | 21.415 | B3 | 17.198 | B3 | 19.599 | B3 | 44.891 | B3 | 46.270 | B3 | 60.002 | B3 | | | | | | |
| 2 | Infrastructure renewals expenditure (gross) | £m | 3 | 11.133 | B2 | 19.497 | B3 | 16.687 | B3 | 17.725 | B3 | 22.280 | B3 | 21.691 | B3 | 13.693 | B3 | 34.734 | B3 | 29.725 | B3 | | | | | | |
| 3 | Capital expenditure - quality enhancement programme | £m | 3 | 14.646 | B2 | 14.177 | B3 | 7.347 | B3 | 11.233 | B3 | 10.372 | B3 | 10.637 | B3 | 13.585 | B3 | 17.980 | B3 | 9.806 | B3 | | | | | | |
| 4 | Capital expenditure - customer service | £m | 3 | 1.194 | B2 | 3.175 | B3 | 11.304 | B3 | 5.068 | B3 | 9.088 | B3 | 13.424 | B3 | 12.415 | B3 | 16.739 | B3 | 16.590 | B3 | | | | | | |
| 5 | Capital expenditure - supply demand balance | £m | 3 | 13.791 | B2 | 7.393 | B3 | 5.554 | B3 | 14.867 | B3 | 16.718 | B3 | 13.194 | B3 | 14.718 | B3 | 16.908 | B3 | 30.968 | B3 | | | | | | |
| 5a | Capex - new development | £m | 3 | 5.258 | B2 | 4.721 | B3 | 3.045 | B3 | 5.835 | B3 | 7.716 | B3 | 6.418 | B3 | 5.903 | B3 | 2.162 | B3 | 2.794 | B3 | | | | | | |
| 5b | Capex - growth | £m | 3 | 0.051 | B3 | 0.016 | B3 | -0.012 | B3 | 4.118 | B3 | 2.535 | B3 | 0.523 | B3 | 1.027 | B3 | 4.225 | B3 | 8.551 | B3 | | | | | | |
| 5c | Capex - security of supply | £m | 3 | 8.436 | B2 | 2.625 | B3 | | B3 | 4.890 | B3 | 6.447 | B3 | 6.245 | B3 | 7.788 | B3 | 10.521 | B3 | 19.623 | B3 | | | | | | |
| 5d | Capex - free meters | £m | 3 | 0.046 | B3 | 0.031 | B3 | 0.034 | B3 | 0.024 | B3 | 0.020 | B3 | 0.008 | B3 | 0.000 | B3 | 0.000 | B3 | 0.000 | B3 | | | | | | |
| 6 | Gross capital expenditure - water service | £m | 3 | 63.999 | B2 | 67.786 | B3 | 62.885 | B3 | 70.308 | B3 | 75.657 | B3 | 78.544 | B3 | 99.303 | B3 | 132.630 | B3 | 147.091 | B3 | | | | | | |
| **B** | **Sewerage Service** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Non-infrastructure maintenance (gross of grants and contributions) | £m | 3 | 42.799 | B2 | 46.247 | B3 | 42.854 | B3 | 43.019 | B3 | 38.908 | B3 | 40.040 | B3 | 48.572 | B3 | 67.083 | B3 | 71.179 | B3 | | | | | | |
| 8 | Infrastructure renewals expenditure (gross) | £m | 3 | 9.010 | B2 | 10.434 | B3 | 10.475 | B3 | 14.864 | B3 | 14.310 | B3 | 15.179 | B3 | 13.469 | B3 | 23.775 | B3 | 28.298 | B3 | | | | | | |
| 9 | Capital expenditure - quality enhancement programme | £m | 3 | 13.851 | B2 | 13.559 | B3 | 16.305 | B3 | 19.301 | B3 | 24.448 | B3 | 21.316 | B3 | 29.134 | B3 | 38.669 | B3 | 46.261 | B3 | | | | | | |
| 10 | Capital expenditure - customer service | £m | 3 | 4.406 | B2 | 5.359 | B3 | 7.518 | B3 | 10.517 | B3 | 7.292 | B3 | 8.389 | B3 | 16.753 | B3 | 13.241 | B3 | 13.435 | B3 | | | | | | |
| 11 | Capital expenditure - supply demand balance | £m | 3 | 9.626 | B2 | 10.951 | B3 | 12.584 | B3 | 13.127 | B3 | 11.752 | B3 | 13.883 | B3 | 21.579 | B3 | 20.422 | B3 | 33.440 | B3 | | | | | | |
| 11a | Capex - new development | £m | 3 | 9.626 | B2 | 10.951 | B3 | 12.578 | B3 | 13.127 | B3 | 11.064 | B3 | 8.867 | B3 | 15.192 | B3 | 12.808 | B3 | 12.621 | B3 | | | | | | |
| 11b | Capex - sewage treatment | £m | 3 | 0.000 | B3 | 0.000 | B3 | 0.007 | B3 | 0.000 | B3 | 0.687 | B3 | 5.016 | B3 | 6.387 | B3 | 7.614 | B3 | 20.819 | B3 | | | | | | |
| 12 | Gross capital expenditure - sewerage service | £m | 3 | 79.692 | B2 | 86.551 | B3 | 89.735 | B3 | 100.828 | B3 | 96.710 | B3 | 98.807 | B3 | 129.507 | B3 | 163.190 | B3 | 192.613 | B3 | | | | | | |
| **C** | **Gross capital expenditure total** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | Gross capital expenditure total | £m | 3 | 143.691 | B2 | 154.337 | B3 | 152.620 | B3 | 171.135 | B3 | 172.366 | B3 | 177.352 | B3 | 228.810 | B3 | 295.820 | B3 | 339.704 | B3 | | | | | | |
| **D** | **Adopted assets, nil cost assets** | £m | 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | Water service assets adopted at nil cost | £m | 3 | 0.000 | B3 | 0.000 | B3 | 0.000 | B3 | 0.000 | B3 | 0.000 | B3 | 0.000 | n/a | 0.000 | n/a | 0.000 | B3 | 0.000 | B3 | | | | | | |
| 15 | Water service assets adopted in return for an payment | £m | 3 | 0.000 | B3 | 0.000 | B3 | 0.000 | B3 | 0.000 | B3 | 0.000 | B3 | 0.000 | n/a | 0.000 | n/a | 0.000 | B3 | 0.000 | B3 | | | | | | |
| 16 | Sewerage service asset adopted at nil cost | £m | 3 | 32.724 | B2 | 32.071 | B3 | 31.145 | B3 | 34.295 | B3 | 46.713 | B3 | 40.680 | B3 | 39.994 | B3 | 29.682 | B3 | 39.925 | B3 | | | | | | |
| 17 | Sewerage service assets adopted in return for a payment. | £m | 3 | 0.000 | B3 | 0.000 | B3 | 0.000 | B3 | 0.000 | B3 | 0.000 | B3 | 0.000 | n/a | 0.000 | n/a | 0.000 | B3 | 0.000 | B3 | | | | | | |
| 18 | Total adopted assets and nil cost assets | £m | 3 | 32.724 | B3 | 32.071 | B3 | 31.145 | B3 | 34.295 | B3 | 46.713 | B3 | 40.680 | B3 | 39.994 | B3 | 29.682 | B3 | 39.925 | B3 | | | | | | |
| **E** | **Infrastructure renewals expenditure (net)** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | Water service infrastructure renewals expenditure (net) (NIW only) | £m | 3 | 10.930 | B2 | 19.430 | A2 | 16.609 | A2 | 17.579 | A2 | 22.180 | A2 | 21.639 | A2 | 13.348 | A2 | 36.057 | A2 | 31.314 | A2 | | | | | | |
| 20 | Sewerage service infrastructure renewals expenditure (net) (NIW only | £m | 3 | 9.010 | B2 | 10.434 | A2 | 10.461 | A2 | 14.861 | A2 | 14.300 | A2 | 15.077 | A2 | 13.461 | A2 | 23.767 | A2 | 28.280 | A2 | | | | | | |
| 21 | Total infrastructure renewals expenditure (net) (NIW only) | £m | 3 | 19.941 | B2 | 29.864 | A2 | 27.070 | A2 | 32.440 | A2 | 36.479 | A2 | 36.717 | A2 | 26.809 | A2 | 59.823 | A2 | 59.594 | A2 | | | | | | |
| **F** | **Total asset additions** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | Water service total asset additions | £m | 3 | 52.866 | B2 | 48.289 | B3 | 46.197 | B3 | 52.582 | B3 | 53.376 | B3 | 56.853 | B3 | 85.610 | B3 | 97.896 | B3 | 117.365 | B3 | | | | | | |
| 23 | Sewerage service total asset additions | £m | 3 | 103.406 | B2 | 108.188 | B3 | 110.405 | B3 | 120.258 | B3 | 129.112 | B3 | 124.309 | B3 | 156.032 | B3 | 169.097 | B3 | 204.241 | B3 | | | | | | |
| 24 | Total asset additions | £m | 3 | 156.272 | B2 | 156.477 | B3 | 156.603 | B3 | 172.841 | B3 | 182.489 | B3 | 181.162 | B3 | 241.642 | B3 | 266.994 | B3 | 321.606 | B3 | | | | | | |

## Table 36 - Capital Investment - Gross Capital Investment Summary

Refer to Chapter 40 for detailed commentary on this table. There are no reconciling items to report.

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 36A FINANCIAL MEASURES
CAPITAL INVESTMENT - GROSS CAPITAL INVESTMENT VARIANCE

| | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | PC21 OUTTURN (£M) | | | | | | | PC21 FINAL DETERMINATION (£M) | | | | | | | PC21 VARIANCE FROM FD (£M) | | | | | | | PC21 VARIANCE FROM FD (%) | | | | | | |
| | DESCRIPTION | UNITS | DP | REPORTING YEAR 2021-22 | REPORTING YEAR 2022-23 | REPORTING YEAR 2023-24 | REPORTING YEAR 2024-25 | REPORTING YEAR 2025-26 | REPORTING YEAR 2026-27 | TOTAL TO DATE PC21 | REPORTING YEAR 2021-22 | REPORTING YEAR 2022-23 | REPORTING YEAR 2023-24 | REPORTING YEAR 2024-25 | REPORTING YEAR 2025-26 | REPORTING YEAR 2026-27 | TOTAL TO DATE PC21 | REPORTING YEAR 2021-22 | REPORTING YEAR 2022-23 | REPORTING YEAR 2023-24 | REPORTING YEAR 2024-25 | REPORTING YEAR 2025-26 | REPORTING YEAR 2026-27 | TOTAL TO DATE PC21 | REPORTING YEAR 2021-22 | REPORTING YEAR 2022-23 | REPORTING YEAR 2023-24 | REPORTING YEAR 2024-25 | REPORTING YEAR 2025-26 | REPORTING YEAR 2026-27 | TOTAL TO DATE PC21 |
| A | **Water service** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Non-infrastructure maintenance (gross of grants and contributions) | £m | 3 | 44.891 | 46.270 | 61.337 | | | | 152.498 | 17.826 | 29.404 | 39.800 | | | | 87.030 | -27.065 | -16.867 | -21.536 | | | | -65.468 | -151.826 | -57.362 | -54.111 | | | | -75.225 |
| 2 | Infrastructure renewals expenditure (gross) | £m | 3 | 13.693 | 34.784 | 29.986 | | | | 78.463 | 14.095 | 25.393 | 32.142 | | | | 71.630 | 0.402 | -9.391 | 2.156 | | | | -6.833 | 2.854 | -36.981 | 6.707 | | | | -9.539 |
| 3 | Capital expenditure - quality enhancement programme | £m | 3 | 13.585 | 17.980 | 9.806 | | | | 41.371 | 11.966 | 12.521 | 12.137 | | | | 36.624 | -1.620 | -5.459 | 2.332 | | | | -4.746 | -13.535 | -43.595 | 19.211 | | | | -12.960 |
| 4 | Capital expenditure - customer service | £m | 3 | 12.415 | 16.739 | 16.590 | | | | 45.744 | 9.795 | 14.295 | 22.802 | | | | 46.893 | -2.620 | -2.443 | 6.213 | | | | 1.149 | -26.751 | -17.092 | 27.246 | | | | 2.451 |
| 5 | Capital expenditure - supply demand balance | £m | 3 | 14.718 | 16.908 | 30.968 | | | | 62.594 | 9.933 | 18.269 | 23.013 | | | | 51.215 | -4.785 | 1.362 | -7.956 | | | | -11.379 | -48.171 | 7.453 | -34.572 | | | | -22.219 |
| 6 | Gross capital expenditure - water service | £m | 3 | 99.303 | 132.680 | 148.687 | | | | 380.669 | 63.615 | 99.882 | 129.895 | | | | 293.392 | -35.688 | -32.797 | -18.792 | | | | -87.277 | -56.099 | -32.836 | -14.467 | | | | -29.748 |
| B | **Sewerage Service** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Non-infrastructure maintenance (gross of grants and contributions) | £m | 3 | 48.572 | 67.083 | 71.291 | | | | 186.946 | 37.639 | 61.783 | 76.584 | | | | 176.006 | -10.933 | -5.300 | 5.293 | | | | -10.940 | -29.046 | -8.579 | 6.911 | | | | -6.216 |
| 8 | Infrastructure renewals expenditure (gross) | £m | 3 | 13.469 | 23.775 | 28.298 | | | | 65.542 | 12.020 | 24.022 | 25.661 | | | | 61.703 | -1.449 | 0.247 | -2.637 | | | | -3.839 | -12.055 | 1.027 | -10.275 | | | | -6.222 |
| 9 | Capital expenditure - quality enhancement programme | £m | 3 | 29.134 | 38.669 | 46.323 | | | | 114.126 | 32.718 | 45.388 | 79.093 | | | | 157.199 | 3.583 | 6.720 | 32.769 | | | | 43.072 | 10.952 | 14.805 | 41.432 | | | | 27.400 |
| 10 | Capital expenditure - customer service | £m | 3 | 16.753 | 13.241 | 13.435 | | | | 43.428 | 20.593 | 28.413 | 32.150 | | | | 81.156 | 3.841 | 15.172 | 18.715 | | | | 37.728 | 18.649 | 53.398 | 58.213 | | | | 46.488 |
| 11 | Capital expenditure - supply demand balance | £m | 3 | 21.579 | 20.422 | 33.513 | | | | 75.514 | 22.196 | 31.357 | 55.159 | | | | 108.712 | 0.617 | 10.935 | 21.646 | | | | 33.198 | 2.782 | 34.872 | 39.243 | | | | 30.538 |
| 12 | Gross capital expenditure - sewerage service | £m | 3 | 129.507 | 163.190 | 192.860 | | | | 485.557 | 125.167 | 190.963 | 268.647 | | | | 584.777 | -4.340 | 27.773 | 75.787 | | | | 99.220 | -3.468 | 14.544 | 28.211 | | | | 16.967 |
| C | **Gross capital expenditure total** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | Gross capital expenditure total | £m | 3 | 228.810 | 295.870 | 341.547 | | | | 866.226 | 188.782 | 290.846 | 398.542 | | | | 878.169 | -40.028 | -5.024 | 56.995 | | | | 11.943 | -21.203 | -1.727 | 14.301 | | | | 1.360 |
| D | **CAPITAL CONTRIBUTIONS NET OF DEFERRED CREDITS** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | Capital contributions for new connections | £m | 3 | 13.719 | 0.000 | 0.000 | | | | 13.719 | 4.979 | 5.623 | 6.040 | | | | 16.642 | -8.740 | 5.623 | 6.040 | | | | 2.923 | -175.543 | 100.000 | 100.000 | | | | 17.562 |
| 15 | Other capital contributions | £m | 3 | 0.353 | 0.000 | 0.000 | | | | 0.353 | 8.623 | 9.516 | 9.903 | | | | 28.041 | 8.270 | 9.516 | 9.903 | | | | 27.688 | 95.906 | 100.000 | 100.000 | | | | 98.741 |
| 16 | Total capital contributions net of deferred credits | £m | 3 | 14.072 | 0.000 | 0.000 | | | | 14.072 | 13.601 | 15.138 | 15.943 | | | | 44.683 | -0.471 | 15.138 | 15.943 | | | | 30.611 | -3.460 | 100.000 | 100.000 | | | | 68.507 |
| E | **TOTAL CAPITAL EXPENDITURE (NET)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | Total capital expenditure (net) | £m | 3 | 214.738 | 295.870 | 341.547 | | | | 852.154 | 175.177 | 275.707 | 382.598 | | | | 833.482 | -39.557 | -20.163 | 41.052 | | | | -18.668 | -22.581 | -7.313 | 0.000 | | | | -2.240 |

## Table 36a – Capital Investment – Expenditure comparison by service and purpose

Refer to Chapter 40 for detailed commentary on this table. There are no reconciling items to report.

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 37 FINANCIAL MEASURES
CAPITAL INVESTMENT - CAPITAL GRANTS AND CONTRIBUTIONS

| | DESCRIPTION | UNITS | DP | 1<br>2015-16 | 2<br>2016-17 | 3<br>2017-18 | 4<br>2018-19 | 5<br>2019-20 | 6<br>2020-21 | 7<br>2021-22 | 8<br>2022-23 | 9<br>2023-24 | 10<br>2024-25 | 11<br>2025-26 | 12<br>2026-27 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A** | **Water Service - Maintenance grants and contributions** | | | | | | | | | | | | | | |
| 1 | MNI - grants and contributions. | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | |
| 2 | Infrastructure renewals grants and contributions. | £m | 3 | 0.203 | 0.067 | 0.078 | 0.146 | 0.101 | 0.052 | 0.345 | 0.007 | 0.007 | | | |
| 3 | Total maintenance grants and contributions | £m | 3 | 0.203 | 0.067 | 0.078 | 0.146 | 0.101 | 0.052 | 0.345 | 0.007 | 0.007 | | | |
| **B** | **Water Service - Enhancement grants and contributions** | | | | | | | | | | | | | | |
| 4 | Infrastructure charge receipts - new connections | £m | 3 | 1.800 | 2.284 | 2.561 | 2.446 | 2.589 | 2.328 | 2.588 | 2.356 | 2.499 | | | |
| 5 | Enhancement requisitions, grants and contributions | £m | 3 | 2.553 | 4.038 | 3.339 | 4.575 | 3.722 | 3.140 | 3.750 | 3.643 | 2.902 | | | |
| 6 | *Other categories of capital grants and contributions to be added by NI Water* | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | |
| 7 | Total enhancement capital grants and contributions | £m | 3 | 4.353 | 6.322 | 5.900 | 7.021 | 6.310 | 5.467 | 6.338 | 5.999 | 5.401 | | | |
| **C** | **Water Service - Deferred credits** | | | | | | | | | | | | | | |
| 8 | Capital grants and contributions transferred to deferred credits | £m | 3 | 0.545 | 0.685 | 0.768 | 0.734 | 0.777 | 0.698 | 0.776 | 0.707 | 0.750 | | | |
| **D** | **Sewerage Service - Maintenance grants and contributions** | | | | | | | | | | | | | | |
| 9 | MNI - grants and contributions. | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | |
| 10 | Infrastructure renewals grants and contributions. | £m | 3 | 0.000 | 0.000 | 0.014 | 0.003 | 0.010 | 0.102 | 0.008 | 0.001 | 0.018 | | | |
| 11 | Total maintenance grants and contributions | £m | 3 | 0.000 | 0.000 | 0.014 | 0.003 | 0.010 | 0.102 | 0.008 | 0.001 | 0.018 | | | |
| **E** | **Sewerage Service - Enhancement grants and contributions** | | | | | | | | | | | | | | |
| 12 | Infrastructure charge receipts - new connections | £m | 3 | 1.515 | 1.997 | 2.280 | 2.065 | 2.269 | 1.988 | 2.213 | 2.048 | 2.147 | | | |
| 13 | Enhancement requisitions, grants and contributions | £m | 3 | 1.914 | 3.164 | 5.737 | 4.770 | 17.279 | 6.787 | 5.168 | 4.726 | 4.405 | | | |
| 14 | *Other categories of capital grants and contributions to be added by NI Water* | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | |
| 15 | Total enhancement capital grants and contributions | £m | 3 | 3.429 | 5.161 | 8.017 | 6.835 | 19.548 | 8.776 | 7.381 | 6.774 | 6.553 | | | |
| **F** | **Sewerage Service - Deferred credits** | | | | | | | | | | | | | | |
| 16 | Capital grants and contributions transferred to deferred credits | £m | 3 | 0.454 | 0.599 | 0.684 | 0.620 | 0.681 | 0.597 | 0.664 | 0.614 | 0.644 | | | |
| **G** | **Totals for the Water and Sewerage Services** | | | | | | | | | | | | | | |
| 17 | Total enhancement capital grants and contributions | £m | 3 | 7.985 | 11.550 | 14.009 | 14.005 | 25.970 | 14.396 | 14.072 | 12.781 | 11.978 | | | |
| 18 | Total capital grants and contributions transferred to deferred credit | £m | 3 | 0.999 | 1.284 | 1.452 | 1.354 | 1.457 | 1.295 | 1.440 | 1.321 | 1.394 | | | |

# Table 37 – Capital Investment - Capital Grants and Contributions

**Line 1 – Water service MNI – grants and contributions**

Nil for 2023-24.

**Line 2 – Water service maintenance grants and contributions**

This line shows £0.007m and represents contributions from developers towards the cost of watermains diversions.

**Line 4 – Water service infrastructure charge receipts - new connections**

This line shows £2.499m and represents the receipts from developers for water infrastructure charges. This is stated gross prior to accounting for the element that is deemed to contribute to non-infrastructure expenditure.

**Line 5 – Water service enhancement requisitions, grants and contributions**

This line can be summarised as follows:

| | |
|---|---|
| New water connections | £ 2.902m |
| Water requisitions | £ 0.000m |
| Grants | £ 0.000m |
| **Total Line 5** | **£ 2.902m** |

**Line 6 – Water service other categories of capital grants and contributions**

Nil for 2023-24.

**Line 8 – Water service deferred credits**

This line shows £0.750m and represents the element of the receipts from developers for water infrastructure charges that are deemed to contribute to non-infrastructure expenditure.

This is calculated as follows:
Line 4 £2.499m x 30% = £0.750m

The 30% used in this calculation is based on an estimate of the future capital expenditure that relates to non-infrastructure growth.

**Line 9 – Sewerage service MNI – grants and contributions**

Nil for 2023-24.

**Line 10 – Sewerage service - maintenance grants and contributions**

This line shows £0.018m and represents contributions from developers towards the cost of realignment of sewers.

**Line 12 – Sewerage service - Infrastructure charge receipts - new connections**

This line shows £2.147m and represents the receipts from developers for sewerage infrastructure charges. This is stated gross prior to accounting for the element that is deemed to contribute to non-infrastructure expenditure.

**Line 13 – Sewerage service - enhancement requisitions, grants and contributions**

This can be summarised as follows:

| | |
|---|---|
| New sewerage connections | £ 1.457m |
| Sewerage requisitions | £ 1.881m |
| Sewers for adoption – application fees | £ 0.714m |
| Grants | £ 0.353m |
| **Total Line 13** | **£ 4.405m** |

**Line 14 – Sewerage service - other categories of capital grants and contributions**

Nil for 2023-24.

**Line 16 – Sewerage service deferred credits**

This line shows £0.644m and represents the element of the receipts from developers for sewerage infrastructure charges that are deemed to contribute to non-infrastructure expenditure.

This is calculated as follows: Line 12 £2.147m x 30% = £0.644m

The 30% used in this calculation is based on an estimate of the future capital expenditure that relates to non-infrastructure growth.

**Comparison of 2023-2024 to PC21***

The following table shows a comparison of the actual contributions for 2023-24 compared to PC21.

| | **2023-24 Actual £m** | **2023-24 PC21 £m** | **2023-24 Variance £m** | **2023-24 Variance %** |
|---|---|---|---|---|
| **Water** | | | | |
| Infrastructure – base | 0.0 | 0.0 | 0.0 | N/A |
| Infrastructure charges - gross | 2.5 | 3.5 | (1.0) | (28.6%) |
| Connections | 2.9 | 3.9 | (1.0) | (25.6%) |
| Requisitions | 0.0 | 0.5 | (0.5) | (100.0%) |
| Grants | 0.0 | 0.0 | 0.0 | N/A |
| **Total** | **5.4** | **7.9** | **(2.5)** | **(31.6%)** |
| ***Included in the gross*** Infrastructure charges above the non-infrastructure element - 30% | 0.8 | 1.1 | (0.3) | (27.3%) |
| | | | | |
| **Sewerage** | | | | |
| Infrastructure – base | 0.0 | 0.0 | 0.0 | N/A |
| Infrastructure charges – gross | 2.1 | 2.7 | (0.6) | (22.2%) |
| Connections | 1.5 | 2.3 | (0.8) | (34.8%) |
| Requisitions | 1.9 | 1.5 | 0.4 | 26.7% |
| Sewers for adoption | 0.7 | 1.5 | (0.8) | (53.3%) |
| Grants | 0.4 | 0.0 | 0.4 | 400.0% |
| **Total** | **6.6** | **8.0** | **(1.4)** | **(17.5%)** |
| ***Included in the gross*** Infrastructure charges above the non-infrastructure element - 30% | 0.6 | 0.8 | (0.2) | (25.0%) |
| | | | | |
| **Total contributions** | **12.0** | **15.9** | **(3.9)** | **(24.5%)** |
| ***Which includes:*** *non-infrastructure contributions* | **1.4** | **1.9** | **(0.5)** | **(26.3%)** |

**This table is rounded to one decimal place to reflect the presentation of these figures in the PC21 submission.*

Note: no base infrastructure contributions were assumed in PC21. The grants relate to STT & SWELL Interreg & no other grants were assumed.

**NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN**

**ANNUAL INFORMATION RETURN - TABLE 38 FINANCIAL MEASURES**
**CAPITAL INVESTMENT - ADDITIONAL OPEX FROM CAPEX**

| | DESCRIPTION | UNITS | DP | 1<br>2018-19 | 2<br>2019-20 | 3<br>2020-21 | 4<br>2021-22 | 5<br>2022-23 | 6<br>2023-24 | 7<br>2024-25 | 8<br>2025-26 | 9<br>2026-27 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A** | **OPEX from CAPEX** | | | | | | | | | | | |
| 1 | Additional OPEX arising from Water Service projects | £m | 3 | 0.029 | 0.000 | -0.012 | 0.000 | 0.638 | -0.991 | | | |
| 2 | Additional OPEX arising from Sewerage Service projects | £m | 3 | 0.065 | -0.024 | -0.171 | -0.024 | 0.142 | -0.180 | | | |
| 3 | Total additional OPEX | £m | 3 | 0.094 | -0.024 | -0.183 | -0.024 | 0.780 | -1.171 | | | |

## Table 38 - Capital investment - additional opex from capex

A list of sites with CAR IDs is obtained and the Opex costs for 2022/23 are calculated for these sites through various reports.

The Opex from Capex costs have been calculated by taking the difference between the total 2023/24 costs and the 2022/23 costs.

### Line 1 Additional OPEX arising from water service projects

Derg Treatability Improvements and WTW MCPA PEO were commissioned in 2022/23 with increased Opex costs of £0.4M in Chemicals continuing into 2023/24. Carmoney WTW, Drumaroad WTW and Altnahinch WTW Treatability Improvements were commissioned in 2023/24, however, the reduction in global energy prices from 2022/23 reduced total Opex costs year on year of £1.4M.

### Line 2 - Additional OPEX arising from sewerage service projects

The total of the sewage pumping stations and the wastewater treatment works have been used to populate Line 2 in Table 38 and for 2023/24 there is a decrease of costs of £0.180M, mainly driven by the reduction in global energy prices year on year, despite several schemes being commissioned in 2023/24 including Derrycrin WWTW, Pomeroy WWTW and Mountfield WWTW.

### Line 3 - Total additional OPEX

The total figure is a decrease of costs of £1.171M.

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 4d CAPITAL INVESTMENT

CAPITAL INVESTMENT MONITORING RETURN - CIM

| Block A - Project Identification | | | | Block B - Baseline Milestone Dates | | | | | | Block C - Baseline Service Cost Allocation (%) | | | | Block D - Baseline Expenditure Profile (£m 2018-19 prices) | | | | | | | | | | Block E - Baseline Purpose Allocation | | | | Block F - Current Actual or Projected Milestone Dates | | | | | Block G - Current Actual or Projected Service Cost Allocation | | | | Block H - Current Actual Projected Capital Expenditure Profile (£m money of the day) | | | | | | | | | | Block I - Current Actual or Projected Purpose Allocation (%) | | | | Block J - Current Actual or Projected IRE (%) | | Block K - Nominated outputs (PC Period) | Block L - Living with Water Programme | | Block M - PC21 To be Determined Projects | | | | Block N - Drainage Area Plan | Block O - Hydraulic Model Enhancement / Modelling | Block P - Summary Programme Line Identifier |
|---|---|---

| Block A - Project Identification | | | | Block B - Baseline Milestone Dates | | | | | Block C - Baseline Service Cost Allocation (%) | | | | Block D - Baseline Expenditure Profile (£in 2018-19 prices) | | | | | | | | Block E - Baseline Purpose Allocation | | | | Block F - Current Actual or Projected Milestone Dates | | | | | | | | Block G - Current Actual or Projected Service Cost Allocation | | | | Block H - Current Actual Projected Capital Expenditure Profile (£m money of the day) | | | | | | | | Block I - Current Actual or Projected Purpose Allocation (%) | | | | Block J - Current Actual or Projected RAE (%) | | Block K - Nominated outputs (PC Period) | Block L - Living with Water Programme | Block M - PC21 To Be Determined Projects | | | | | Block O - Integrated Environmental Modelling | Block P - Summary Programme Line Identifier |
|---|---|---

| Block A - Project Identification | | | | | Block B - Baseline Milestone Dates | | | | | Block C - Baseline Service Cost Allocation (%) | | | | Block D - Baseline Expenditure Profile (£in 2018-19 prices) | | | | | | | | | | Block E - Baseline Purpose Allocation | | | | Block F - Current Actual or Projected Milestone Dates | | | | | | | | | | Block G - Current Actual or Projected Service Cost Allocation | | | | Block H - Current Actual Projected Capital Expenditure Profile (£m money of the day) | | | | | | | | | | | Block I - Current Actual or Projected Purpose Allocation (%) | | | | Block J - Current Actual or Projected RE | | Block K - Nominated outputs (PC Period) | Block L - Living with Water Programme | Block M - PC21 To Be Determined Projects | | | | | | Block O - Integrated Environmental Modelling | Block P - Summary Programme Line Identifier |
|---|---|---

| Block A - Project Identification | | |

| Block A - Project Identification | | | | | | Block B - Baseline Milestone Dates | | | | | | Block C - Baseline Service Cost Allocation (%) | | | | | Block D - Baseline Expenditure Profile (£in 2018-19 prices) | | | | | | | | | | Block E - Baseline Purpose Allocation | | | | | Block F - Current Actual or Projected Milestone Dates | | | | | | | | | | Block G - Current Actual or Projected Service Cost Allocation | | | | | Block H - Current Actual Projected Capital Expenditure Profile (£m money of the day) | | | | | | | | | | Block I - Current Actual or Projected Purpose Allocation (%) | | | | | Block J - Current Actual or Projected Risk | | Block K - Nominated outputs (PC Period) | Block L - Living with Water Programme | | Block M - PC21 To Be Determined Projects | | | | | | Block N - Integrated Environmental Modelling | Block O - Integrated Environmental Modelling | Block P - Summary Programme Line Identifier | |
|---|---|---

| Block A - Project Identification | | | | | Block B - Baseline Milestone Dates | | | | | Block C - Baseline Service Cost Allocation (%) | | | | | Block D - Baseline Expenditure Profile (£m 2018-19 prices) | | | | | | | | | | Block E - Baseline Purpose Allocation | | | Block F - Current Actual or Projected Milestone Dates | | | | | Block G - Current Actual or Projected Service Cost Allocation | | | | | Block H - Current Actual Projected Capital Expenditure Profile (£m money of the day) | | | | | | | | | | Block I - Current Actual or Projected Purpose Allocation (%) | | | | Block J - Current Actual or Projected RIE (%) | | Block K - Nominated outputs (PC Period) | Block L - Living with Water Programme | Block M - PC21 To Be Determined Projects | | | | | Block N - Integrated Environmental Modelling | Block O - Summary Programme Line Identifier | |
|---|---|---

# Table 40 – Capital Investment Monitoring (CIM) Summary Report

## Introduction

This chapter provides a consolidated report on Capital investment which draws on Chapters 30, 32, 35, 26, 36a and associated tables.

## PPP

A PPP expenditure of [redacted] has been reported in these tables. £0.131m of this is attributed to Cap Sals.

There was no Capital spend in 2023/24 relating to PPP that is not included within the unitary charge payments. In relation to Capital additions the only Capital not included in this table is the PPP Alpha Capital maintenance charge of [redacted]

## Capital investment driver allocation (Service categorisation and purpose allocation)

The Capital Investment Driver Allocation (CIDA) methodology has remained consistent as per recent PC15 / PC21 years. NI Water captures Service Categorisation, Life Categories (as reported in Table 34) and Purpose Allocation within our CIDA data capture. This data is captured within CPMR at project level and used for CIM (Table 40) and the other related AIR tables.

Based upon PC21 query responses on CIDA allocation NI Water have revised the CIDA allocation manual to reflect the revisions. These are being integrated into the capital projects. A CIDA training programme should be delivered to ensure project managers and consultants, maintain an understanding of the CIDA allocation process. This will enable new staff to be trained and current staff to have a refresher.

No apportionment has taken place during the analysis and table population stage as this was completed by Project Managers at the initiation of the project and reviewed at appropriate gateways for EP projects.

During 2023/24 all CIM (Table 40) information has been reported directly from CPMR and P6. For the related AIR Tables M & G spend has been reported from CPMR, but Operational Capital has had to be analysed manually as per previous years as the data on CPMR is not in a format that allows for robust reporting. Further refinements have been delayed to allow for more automation for the completion of the tables. As a result the same process used in AIR 23 has been adopted for AIR 24.

## Assets Adopted at Nil Cost

Sewer adoptions paid by third parties of £39.018m are included in column 4, line 7 of Table 32 within Sewerage infrastructure enhancements. Sewerage Pumping Stations paid by third parties of £.907m are included in Col 5, line 12 within Sewerage non infrastructure enhancements.

All of the investment reported in block D of Table 36 is reported as 'Supply Demand Balance: New Development'.

The calculation of gross asset valuation for adopted sewerage assets is based on the unit costs derived from NI Water sewer framework rates.

The unit costs are applied by diameter banding and total lengths laid. The costs include pipe laying, pipe supply, laterals, manholes and compensation.

- The data reported in this table reconciles to the other AIR Tables.
- The table has been populated following the column definitions.
- Capitalised Salaries have been allocated by examining each of the 3 main investment areas as follows:
  - Capital works Programme
  - Management and General
  - Operations Capital

  The total Capitalised Salaries and overheads were pro-rated against each project on the CIM to arrive at a Salaries and overheads allocation for the single line on the CIM (Table 40) using the same method as applied in AIR 23.
- The variance between Table 40 (Q4 CIM) and other associated AIR tables is reported in Chapter 30. The main reason for variance is on complex projects which contain a blend of infra and non-infra as well as a blend of purpose allocations which does not allow for creating a robust 16 component summary. The AIR table's data is more reliable than table 40 for accuracy.

**Total Asset Additions reconciliations**

NI Water moved to IFRS accounting from GAAP in 2018/19

- Total asset additions – Water Service – Check to Table 25 line 5 col 4.
  For AIR 24 the reported numbers in these two tables are as follows:
  Table 25 – £150.275m
  Table 36 – £148.687m

The main variances in the above two figures are explained as follows:

a) PPP Alpha Capital maintenance is not included in Table 36
b) No decapitalised projects in 2023/24
c) An element of Capital Interest is included in table 25

- Total asset additions – Sewerage Service – Check to Table 25 line 5 Col 8.
  For AIR 24 the reported numbers in these two tables are as follows:
  Table 25 – £192.842m
  Table 36 – £192.860m

The main variances in the above two figures are explained as follows:

d) PPP Omega Capital Maintenance was not included in Table 36
e) No decapitalised projects in 2023/24
f) An element of Capital Interest is included in table 25
g) Sewerage service assets adopted at nil cost are not included in Table 25

**Note:** NI Water has complied with the column definitions in respect of the baseline and current actual or projected milestone dates in Table 40. The milestones dates are relevant, sequential and relate to the PC21 outputs.

**Expenditure to reduce leakage**

The Table 1 below provides a breakdown of the leakage expenditure in 2023/24. This includes the purpose allocations which have followed the principle as set out in PC21 Final Determination.

It should be noted that the figures reported include Leakage repair costs. These are completed by the Water Networks function, but the Leakage and Water Networks are now part of the Water Production Function. The opex costs reported in the table are the total

opex costs relating to Leakage. This is comprised of Leakage Function staff costs and leakage repair costs incurred by both the Leakage and Water Network function.

**Table 1**

| Activity | In Year actual spend per category (£m) | Purpose allocation |
|---|---|---|
| Leakage detection costs - opex | 3.500 | OPEX |
| Leakage repair costs - opex | 2.000 | OPEX |
| Leakage detection costs - capex | 0.000 | Base |
| Leakage infra replacement repair costs - capex | 0.490 | Base |
| Leakage detection equip | 1.012 | Base |
| Leakage software upgrades and developments | 0.048 | Base |
| New leakage technology | 0.289 | Base |
| DMA[1] studies | 0.651 | Base |
| Trunk Main studies | 0.064 | SDB Growth |
| DMA optimisation | 0.085 | SDB Growth |
| Water balance asset data assessments | 0.790 | Base |
| ELL[2] reviews | -0.009 | Base |
| Pressure Management | 0.794 | SDB Growth |
| PRV[3] replacements | 0.346 | Base |
| GSM[4] Loggers/Meter studies/Meter replacement | 3.656 | Base |
| Other | 0.000 | Base |
| IFRS Adjustment | -1.596 | Base |
| **Total (OPEX)** | 5.500 | |
| **Total (Capex)** | 6.620 | |
| **Total Leakage investment** | 12.120 | |

**Capital programme variance**

The Capital programme for 2023/24 when compared to the PC21 Final Determination has over delivered in the 'Water Service' Programme but under delivered in the 'Sewerage Service'. It is important to note that NI Water will require full funding to deliver the PC21 Final Determination across the price control period.

The main reasons for variance in forecast are as follows:

[1] District Metered Area – zoned area of water distribution network.

[2] Economic Level of Leakage – assessment of benefits gained from fixing leakage against costs of fixing.

[3] Pressure Reducing Valve – used to manage pressure within the infrastructure network.

[4] Global System for Mobile Communication – used where conventional telemetry/radio systems are not appropriate.

a) Underfunding in CDEL allocation in year resulted in variances against planned FD
b) Early investment in SP04 following a Change Control submission to the UR.
c) £10m overage in SP06 relating to increased costs associated with CWTs, these are currently under review by NI Water Cost Managers.
d) £16m and £33m in SP12 and SP16 which are currently awaiting determination on a large number of schemes from the Scope Uncertainty submissions.
e) £17m in SP20 which mainly relates to a single project to address H&S concerns and legislative requirements. Should all of this work be deemed necessary then a number of projects in SP20 shall not proceed to accommodate the expenditure.

**Energy efficiency and renewable energy schemes**

A summary of Energy efficiency and renewable energy schemes is included in Annex A at the end of this document.

## 2023/24 Q4 Capital Investment Monitoring Return (Table 40)

### Company Baseline

A PC21 baseline is included in this Capital Investment Monitoring (CIM) submission. The PC21 capital baseline is a detailed listing of projects and programmes of work, the costs and outputs which have been presented to the Utility Regulator through the Price Control process. The baseline is expressed in 2018/19 prices, post efficiency.

### Capital Expenditure Commentary

This submission is completed primarily using CPMR with full reconciliation completed to ORACLE.

The following Table 2 is a summary of CAPEX expenditure in 2023/24 (excluding contributions) at the end of Q4 as per ORACLE and reconciled to the CIM submission shown in money of the day.

**Table 2**

| | **£m** |
|---|---|
| **Total Gross capital expenditure as per ORACLE** | 340.714 |
| Capital works programme expenditure | 271.947 |
| Operations Capital from CPMR | 7.930 |
| M & G capital from CPMR | 38.221 |
| Capitalised Salaries and overheads | 24.280 |
| Reconciled Total | 340.714 |

During the period (April 2023 – March 2024) there has been Capital income in the form of Grants and Contributions totalling to £10.608m. This figure is not included on the CIM submission.

### Inflation Assumptions

The project costs reported in the 'current actual or projected' portion of the CIM are in current prices. All project costs are captured in nominal prices as no inflation assumptions are applied within CPMR. Capital expenditure within the Final Determination was inflated by RPI which was linked to projections made by the Office for Budgetary Responsibility (OBR) in March 2014. This allowed 3.4% RPI annually through the six year period. Table 3 shows actual RPI in 2021/22, 2022/23, 2023/24 and OBR forecast figures for the years 2025/26 and 2026/27 (based on March 2024 economic and fiscal outlook). This shows an increase in inflation levels from that assumed in the PC21 FD. NI Water continue to monitor the OBR view of RPI.

**Table 3 Inflation (RPI) projections**

| | 2021/22 | 2022/23 | 2023/24 | 2024/25 | 2025/26 | 2026/27 |
|---|---|---|---|---|---|---|
| PC21 FD assumed Indices | 302.016 | 308.354 | 315.922 | 324.907 | 334.540 | 344.576 |
| | 2.57% | 2.10% | 2.45% | 2.84% | 2.96% | 3.00% |
| Current actual and projected indices (OBR Mar 2023) | 311.16 | 351.22 | 377.48 | 386.63 | 395.14 | 405.53 |
| | 5.78% | 12.87% | 7.48% | 2.42% | 2.20% | 2.63% |

## Reconciliation with Table 36

**Table 36 - Water service nominal expenditure**

| Gross Capital expenditure - Water Service | | T36 £m | CIM £m | Variance £m | Variance % |
|---|---|---|---|---|---|
| 1 | MNI (gross of grants and contributions) | 61.337 | 51.016 | -10.321 | -20.23 |
| 2 | Infrastructure renewals expenditure (gross) | 29.986 | 33.853 | 3.867 | 11.42 |
| 3 | Capex: Total quality enhancement programme | 9.806 | 9.060 | -0.745 | -8.23 |
| 4 | Capital expenditure - customer service | 16.590 | 15.716 | -0.874 | -5.56 |
| 5 | Capital expenditure - supply demand balance | 30.968 | 28.583 | -2.385 | -8.35 |
| 6 | Gross Capital expenditure - Water Service | 148.687 | 138.229 | -10.458 | -7.57 |

**Table 36 - Sewerage service nominal expenditure**

| Gross Capital expenditure - Sewerage Service | | T36 £m | CIM £m | Variance £m | Variance % |
|---|---|---|---|---|---|
| 7 | MNI (gross of grants and contributions) | 71.291 | 71.494 | 0.203 | 0.28 |
| 8 | Infrastructure renewals expenditure (gross) | 28.298 | 33.536 | 5.238 | 15.62 |
| 9 | Capex: Total quality enhancement programme | 46.323 | 46.843 | 0.519 | 1.11 |
| 10 | Capital expenditure: customer service | 13.435 | 15.659 | 2.225 | 14.21 |
| 11 | Capital expenditure supply demand balance | 33.513 | 35.741 | 2.228 | 6.23 |
| 12 | Gross Capital expenditure - Sewerage Service | 192.860 | 203.273 | 10.413 | 5.12 |

In the above table, a comparison is presented of the CIM (Table 40) and Table 36. Assets adopted at NIL cost reported in Table 36 have been excluded from this comparison. The variances shown arise because the data held for population of the AIR tables has direct links between the asset type, service area and investment driver. Where there are complex projects, this detail is required to provide an accurate analysis of the expenditure. The summary detail on the CIM does not give a full transparency of this detail as the direct link between asset type, service area and investment area is lost but does give a reasonable interpretation of the investment. In addition, direct comparison is difficult as Capitalised Salaries and overheads are a single line on the CIM which has had a service allocation and purpose allocation applied based on the rest of the programme. For AIR 24 the Capital salaries and overheads were applied by examining each of the three elements of the programme namely, CWP, M & G and Operations Capital and assigning Salaries and Overheads against each of these programmes before combining into a single line. Whilst still not exact it more closely reflects the way salaries are allocated to individual projects. Within AIR the Capitalised Salaries and overhead information is included within individual project costs. As well as this, a large variance is observed in the Sewerage Service due to the fact that INTERREG projects to a value of ca £0.744m are not reported on in the CIM however they are included for completeness in the AIR figures.

## Sixteen Box Summary

### 2023/24 Current Actual Projected 16 box summary showing expenditure £m (nominal)

| | Quality Enhancement | Base Service provision | Enhanced service levels | Supply Demand Balance | Totals |
|---|---|---|---|---|---|
| Water Infrastructure | 4.16 | 33.85 | 3.04 | 10.45 | 51.49 |
| Water Non-Infrastructure | 4.90 | 51.02 | 12.68 | 18.14 | 86.74 |
| Sewerage Infrastructure | 13.94 | 33.54 | 7.08 | 8.45 | 63.01 |
| Sewerage Non-Infrastructure | 32.90 | 71.49 | 8.58 | 27.29 | 140.26 |
| Totals | 55.90 | 189.90 | 31.38 | 64.32 | 341.50 |

### 2023/24 Current Actual Projected 16 box summary in percentages

| | Quality Enhancement | Base Service provision | Enhanced service levels | Supply Demand Balance | Totals |
|---|---|---|---|---|---|
| Water Infrastructure | 1.2% | 9.9% | 0.9% | 3.1% | 15.1% |
| Water Non-Infrastructure | 1.4% | 14.9% | 3.7% | 5.3% | 25.4% |
| Sewerage Infrastructure | 4.1% | 9.8% | 2.1% | 2.5% | 18.5% |
| Sewerage Non-Infrastructure | 9.6% | 20.9% | 2.5% | 8.0% | 41.1% |
| Totals | 16.4% | 55.6% | 9.2% | 18.8% | 100.0% |

### 2023/24 Baseline 16 box summary showing expenditure £m (2018/19 prices)

| | Quality Enhancement | Base Service Provision | Enhanced Service Levels | Supply Demand Balance | Totals |
|---|---|---|---|---|---|
| Water Infrastructure | 6.16 | 23.71 | 6.26 | 15.91 | 52.03 |
| Water Non-Infrastructure | 3.81 | 27.89 | 12.35 | 3.06 | 47.11 |
| Sewerage Infrastructure | 24.74 | 19.66 | 8.52 | 11.03 | 63.95 |
| Sewerage Non-Infrastructure | 36.67 | 53.19 | 13.13 | 34.41 | 137.39 |
| Totals | 71.38 | 124.44 | 40.25 | 64.41 | 300.48 |

### 2023/24 Baseline Projected 16 box summary in percentages

| | Quality Enhancement | Base Service Provision | Enhanced Service Levels | Supply Demand Balance | Totals |
|---|---|---|---|---|---|
| Water Infrastructure | 2.0% | 7.9% | 2.1% | 5.3% | 17.3% |
| Water Non-Infrastructure | 1.3% | 9.3% | 4.1% | 1.0% | 15.7% |
| Sewerage Infrastructure | 8.2% | 6.5% | 2.8% | 3.7% | 21.3% |
| Sewerage Non-Infrastructure | 12.2% | 17.7% | 4.4% | 11.5% | 45.7% |
| Totals | 23.8% | 41.4% | 13.4% | 21.4% | 100.0% |

**PC21 16 box FD baseline (2018/19 prices): Expenditure across the PC21 programme £m**

| | Quality Enhancement | Base Service provision | Enhanced service levels | Supply Demand Balance | Totals |
|---|---|---|---|---|---|
| Water Infrastructure | 36.12 | 116.90 | 36.46 | 79.98 | 269.44 |
| Water Non-Infrastructure | 22.65 | 143.21 | 45.84 | 21.33 | 233.03 |
| Sewerage Infrastructure | 231.22 | 115.12 | 56.92 | 56.74 | 459.99 |
| Sewerage Non-Infrastructure | 279.36 | 311.33 | 64.70 | 202.12 | 857.51 |
| Totals | 569.35 | 686.55 | 203.92 | 360.16 | 1819.98 |

**PC21 16 box summary: Baseline expenditure by percentage across the PC21 programme**

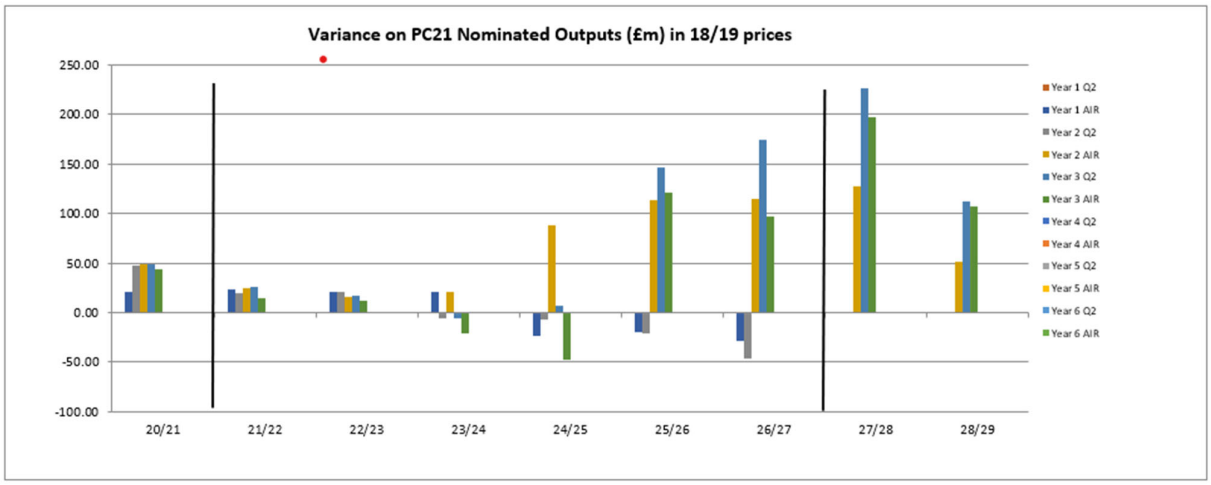
| | Quality Enhancement | Base Service provision | Enhanced service levels | Supply Demand Balance | Totals |
|---|---|---|---|---|---|
| Water Infrastructure | 1.98% | 6.42% | 2.00% | 4.39% | 14.80% |
| Water Non-Infrastructure | 1.24% | 7.87% | 2.52% | 1.17% | 12.80% |
| Sewerage Infrastructure | 12.70% | 6.33% | 3.13% | 3.12% | 25.27% |
| Sewerage Non-Infrastructure | 15.35% | 17.11% | 3.56% | 11.11% | 47.12% |
| Totals | 31.28% | 37.72% | 11.20% | 19.79% | |

## Variance on Nominated Outputs (2018/19 prices)

Figure 1 illustrates the movement in the PC21 Nominated Output projects: this is based on the PC21 FD baseline and assumes a fully funded Final Determination budget. In Year 1, investment on a number of Nominated projects was accelerated with a higher than FD budget available.

The current variance across the period is showing as -£21.49m as a result of funding uncertainty. However, this will be reassessed on an ongoing basis and adjusted as scope certainty is determined on and projects are re-prioritised accordingly.

**Figure 1: Variance on Nominated Outputs**



**CIM summary Table**

| Code | Title | Baseline £m (2018/19 prices) | Current actual or projected 2023/24 £m (nominal) | Current actual or projected £m (2018/19 prices using latest OBR RPI forecast) |
|---|---|---|---|---|
| 0 | Staff Salaries and on-costs | 20.40 | 26.32 | 19.76 |
| 1 | Base maintenance (Water) | 30.22 | 11.72 | 8.80 |
| 2 | Base maintenance (sewerage) | 29.17 | 38.46 | 28.87 |
| 3 | Water resources | 4.55 | 5.06 | 3.80 |
| 4 | Water treatment works | 8.21 | 21.63 | 16.24 |
| 5 | Water trunk mains | 12.55 | 16.61 | 12.47 |
| 6 | Service reservoirs and clear water tanks | 0.70 | 11.03 | 8.28 |
| 7 | Service reservoir rehabilitation | 4.64 | 5.04 | 3.78 |
| 8 | Water mains rehabilitation | 16.56 | 18.03 | 13.53 |
| 9 | Leakage | 5.45 | 5.04 | 3.78 |
| 10 | Ops capital Water | 8.68 | 13.09 | 9.83 |
| 12 | Sewerage Maintenance, UIDs, Flooding | 47.89 | 47.60 | 35.74 |
| 15 | Wastewater treatment (carryover) | 0.00 | 0.00 | 0.00 |
| 16 | Wastewater treatment (new starts) | 70.60 | 61.14 | 45.90 |
| 17 | Small wastewater treatment works | 1.61 | 2.14 | 1.60 |
| 18 | Ops capital Sewerage | 11.29 | 13.91 | 10.44 |
| 19 | Meter installation and maintenance | 1.97 | 2.03 | 1.52 |
| 20 | Management and general | 34.85 | 29.40 | 22.07 |
| 23 | Minor watermain repairs, requisitions, road schemes and public realm | 5.63 | 7.80 | 5.86 |
| 24 | Minor sewer repairs, requisitions, road schemes and public realm | 5.20 | 5.36 | 4.02 |
| 97 | IFRS Adjustment | -1.15 | -1.60 | -1.20 |
| 98 | Additional Outputs Programme | 0.00 | 0.00 | 0.00 |
| 99 | PC15 balancing line (Base) | 0.00 | 1.72 | 1.29 |
| Total | Excluding additional outputs | 319.02 | 341.50 | 256.38 |
| Total | Including additional outputs | 319.02 | 341.50 | 256.38 |

**Nominated Outputs**

Refer to Table 40a and associated commentary for full detail on nominated outputs over Year 3 of the PC21 period.

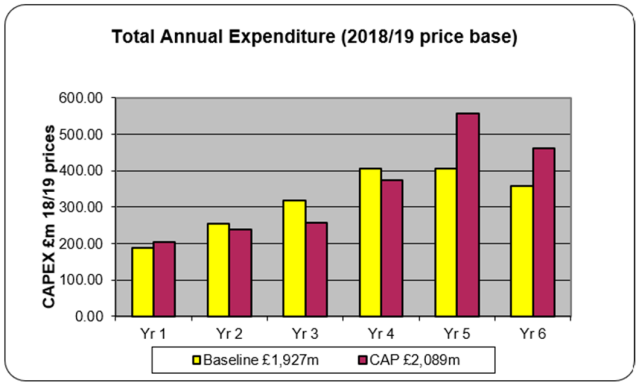
**Regulatory Dashboard**

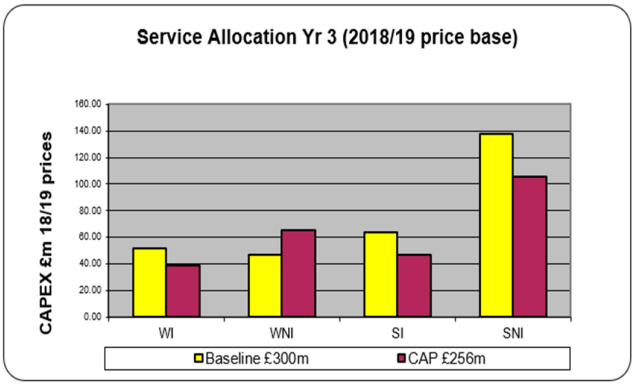
Figure 2 is an extract of the Regulatory Dashboard for period to end of March 2023/24. Only graphs that are currently meaningful have been included. 2018/19 prices are used in the graphs and the following is a summary of the main points to note:

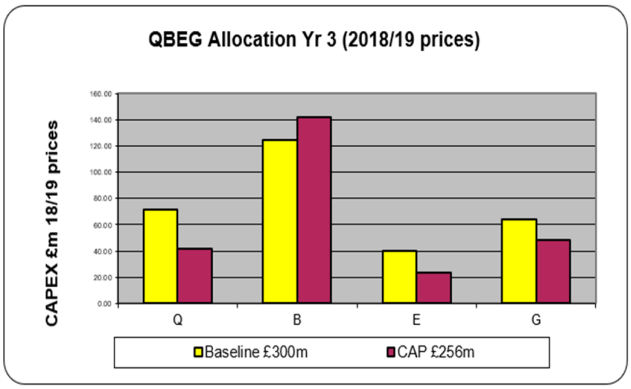
- Graph 1: Total Annual Expenditure. The Graph shows a decrease in 2023/24 in funding available, when the baseline funding and Current Actual Projected are stated in 2018/19 terms.

- Graph 2: Service allocation. Service allocation for 2023/24 shows an element of imbalance between water and wastewater: Water Infrastructure (WI) & Sewerage Infrastructure (SI) are slightly lower than target, Water Non-infrastructure (WNI) is above the baseline profile. Sewerage non-infrastructure (SNI) is below the baseline profile.
- Graph 3: QBEG. 2023/24 indicates £142.57m actual expenditure on base against a £124.44m baseline.

**Figure 2: 2022-23 Q4 CIM. RPI as per current actual and NI Water projected**




## Capital expenditure commentary

This submission is completed primarily using CPMR with full reconciliation completed to ORACLE.

NORTHERN IRELAND WATER LIMITED ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN TABLE 40A CAPITAL INVESTMENT

NOMINATED OUTPUTS DELIVERED BY PC21 CAPITAL PROJECTS AND PROGRAMMES OF WORK

| A | | | | | B | | | | | | | | | | | | | | | | | | | C | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Project Information | | | | | Project Outputs Baseline | | | | | | | | | | | | | | | | | | | Project Outputs Current Actual or Projected | | | | | | | | | | |
| Project ID Reference | Project Name | PC21 Programme | Quality Regulator Date (if appropriate) | BU Date (if appropriate) | PC21 Output Ref Code | Output Units | PC10 | | | PC13 | | PC15 | | | | | | PC21 | | | | | | LWWP Output (Y/N) | PC15 | | PC21 | | | | | | PC27 | | | | LWWP Output (Y/N) |
| PI Project ID | PI Project Name | PI PC21 Prog | | | | | 2010 11 | 2011 12 | 2012 13 | 2013 14 | 2014 15 | 2015 16 | 2016 17 | 2017 18 | 2018 19 | 2019 20 | 2020 21 | 2021 22 | 2022 23 | 2023 24 | 2024 25 | 2025 26 | 2026 27 | | 2019 20 | 2020 21 | 2021 22 | 2022 23 | 2023 24 | 2024 25 | 2025 26 | 2026 27 | 2027 28 | 2028 29 | 2029 30 | 2030 31 | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |
| | **Water Treatment Base Maintenance** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JA271 | Killylane WTW | 1 | | 31/12/2014 | 7 | nr | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | **Water Treatment Works** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JN390 | Lough Bradan WTWs Upgrade | 4 | | 02/03/2011 | 7 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| JL723 | Carmoney Water Treatment Works Upgrade | 4 | | 30/03/2011 | 7 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| JP689 | Killyhevlin WTW - Enforcement Order | 4 | | 31/03/2015 | 7 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| JR463 | Dorisland WTW GAC plant | 4 | | 27/03/2015 | 7 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| JI052 | Glenhordial Treatability | 4 | | 29/01/2016 | 7 | nr | | | | | | 1 | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| JA319 | Dorisland Treatability | 4 | | 21/03/2023 | 7 | nr | | | | | | | | | | | 1 | | | | | | | N | | 0 | | 1 | | | | | | | | | N |
| JP693 | Killyhelvin Treatab ility | 4 | | 30/01/2025 | 7 | nr | | | | | | | | | | | 1 | | | | | | | N | | 0 | | | | 1 | | | | | | | N |
| JC390 | Rath in Island Borehole | 4 | | 31/12/2020 | 7 | nr | | | | | | | | | | 1 | | | | | | | | | 1 | | | | | | | | | | | | | |
| JA341 | Ballinrees WTW, MCPA treatment investigations | 4 | | 10/01/2025 | 7 | nr | | | | | | | | | | | 1 | 0 | 0 | 1 | 0 | 0 | 0 | N | | 0 | | | | 1 | | | | | | | |
| JN538 | Derg WTW MCPA PEO Undertakings | 4 | | 31/03/2023 | 7 | nr | | | | | | | | | | | 1 | | | | | | | | | 0 | | 1 | | | | | | | | | |
| JN569 | Glenhordial Treatability Improvements | 04a | | 31/12/2024 | 7 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 1 | 0 | 0 | | | | | N |
| JN562 | Derg Treatability Improvements | 04a | | 31/03/2023 | 7 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 1 | 0 | 0 | N | | | 0 | 1 | 0 | 0 | 0 | 0 | | | | | N |
| JN570 | Lough Bradan Treatab ility Improvements | 04a | | 17/03/2027 | 7 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 0 | 0 | 1 | 0 | | | | N |
| JN568 | Lough Fea Treatab ility Improvements | 04a | | 31/12/2024 | 7 | Nr | | | | | | | | | | | | 0 | 0 | 1 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 1 | 0 | 0 | | | | | N |
| JN483 | Glenhordial WTW Sludge Improvements | 04a | | 23/03/2027 | 7 | Nr | | | | | | | | | | | | 0 | 0 | 1 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |
| JP703 | Belleek Treatability Improvements | 04a | | 31/03/2027 | 7 | Nr | | | | | | | | | | | | 0 | 0 | 1 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |
| JF616 | Seagahan Treatability Improvements | 04a | | 31/03/2025 | 7 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 1 | 0 | 0 | | | | | N |
| JN567 | Loughmacrory Treatability Improvements | 04a | | 25/03/2027 | 7 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |
| JN571 | Upgrade to Killyhevlin | 04a | | 27/02/2026 | 7 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 0 | 1 | 0 | | | | | N |
| JL814 | Carmoney Treatability Improvements | 04a | | 31/05/2023 | 7 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 1 | 0 | 0 | N | | | 0 | 0 | 1 | 0 | 0 | 0 | | | | | N |
| JL815 | Caugh Hil Treatab ility Improvements | 04a | | 31/01/2029 | 7 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 1 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | N |
| JV903 | Carran Hill Treatabil ty Improvements | 04a | | 22/01/2027 | 7 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 1 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |
| JV902 | Fofanny Treatab lity Improvements | 04a | | 29/03/2027 | 7 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |
| JI151 | NIW Alpha WTWs Treatability Improvements | 04a | | 01/01/2027 | 7 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 4 | N | | | 0 | 0 | 0 | 0 | 0 | 4 | | | | | N |
| JF617 | Clay Lake Treatab lity Improvements | 04a | | 20/05/2027 | 7 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | N |
| JN571 | Killyhevlin DWW Tank | 04a | | 27/02/2026 | 7 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 0 | 1 | 0 | | | | | N |
| JA331 | Dungonnell Treatability Improvements | 04a | | 23/12/2021 | 7 | Nr | | | | | | | | | | | | 1 | 0 | 0 | 0 | 0 | 0 | N | | | 1 | 0 | 0 | 0 | 0 | 0 | | | | | N |
| JS328 | Drumaroad Treatab ility Improvements | 04a | | 29/09/2023 | 7 | Nr | | | | | | | | | | | | 0 | 0 | 1 | 0 | 0 | 0 | N | | | 0 | 0 | 1 | 0 | 0 | 0 | | | | | N |
| JA330 | Altnahinch Treatab ility Improvements | 04a | | 25/03/2024 | 7 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 1 | 0 | 0 | N | | | 0 | 0 | 1 | 0 | 0 | 0 | | | | | N |
| | **Trunk Mains** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JR416 | CTM Extension - Barnetts Park to Purdysburn | 5 | | 29/11/2010 | 6 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| JG036 | Castor Bay to Dungannon Strategic Trunk Mains | 5 | | 24/05/2011 | 6 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| JG035 | Ballydougan to Newry Main Link Reinforcement Phase 1 | 5 | | 04/12/2012 | 6 | nr | | | 1 | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| JG035 | Ballydougan to Newry TM - Phase 2A | 5 | | 17/12/2012 | 6 | nr | | | 1 | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| JR460 | Gravity Il McVeighs Well to Oldpark SR | 5 | | 30/11/2014 | 6 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| JG035 | Ballydougan to Newry TM - Phase 2B | 5 | | 31/03/2016 | 6 | nr | | | | | | 1 | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| JR342 | Castor Bay to Belfast TM | 5 | | 08/05/2015 | 6 | nr | | | | | | 1 | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| JB693 | Carland to Cookstown Trunkmain | 5 | | 31/03/2017 | 6 | nr | | | | | | | 1 | | | | | | | | | | | N | | | | | | | | | | | | | N |
| JP702 | Trunkmain - Killyhevlin Cavanacross B | 05a | | 15/02/2024 | 6 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 1 | 0 | 0 | N | | | 0 | 0 | 1 | 0 | 0 | 0 | | | | | N |
| JN573 | Edenascp to Kleter SR | 05a | | 24/03/2027 | 6 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 1 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |
| JG091 | Castor Bay Outage September 2019 | 05b | | 12/10/2028 | 6 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | N |
| JN572 | Woodend to Drain main | 05a | | TBC | 6 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 1 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | N |
| JR519 | Trunkmain - Wh tespots B | 05a | | 21/10/2022 | 6 | Nr | | | | | | | | | | | | 0 | 1 | 0 | 0 | 0 | 0 | N | | | 0 | 1 | 0 | 0 | 0 | 0 | | | | | N |
| JL807 | Trunkmain - Crescent Link | 05c | | 09/05/2023 | 6 | Nr | | | | | | | | | | | | 0 | 0 | 1 | 0 | 0 | 0 | N | | | 0 | 0 | 1 | 0 | 0 | 0 | | | | | N |
| JL808 | Trunkmain - Skeoge Link | 05c | | 31/03/2028 | 6 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | N |
| JB743 | Trunkmain - High Tober | 05a | | TBC | 6 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | N |
| JG087 | Castor Bay to Ballydougan Trunk Main September 2019 | 05a | | 28/05/2027 | 6 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 1 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | N |
| JN565 | Blacklough to Crocknabohill SR | 05a | | 17/05/2027 | 6 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | N |
| JB739 | Central WRZ Resilience and Supply | 05b | | 05/03/2027 | 6 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |
| JN563 | Western Resource Zone - Resilience | 05b | | 04/04/2025 | 6 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 1 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 1 | 0 | | | | | N |
| JL790 | Northern WRZ Resilience | 05b | | 25/01/2022 | 6 | Nr | | | | | | | | | | | 1 | 0 | 1 | 0 | 0 | 0 | 0 | N | | 1 | 1 | 0 | 0 | 0 | 0 | 0 | | | | | N |
| JL715 | Caugh Hil Carmoney to Strabane Strategic Link Watermain | 05a | | 26/12/2028 | 6 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | N |
| JI212 | Beltoy and Unagh Drought Alleviation Pumping Stations | 05a | | 27/03/2024 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | N |
| | **Service Reservoirs & Clear Water Tanks** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JB665 | Tullaghans SR, Dunloy, New Reservoir | 6 | | 13/08/2010 | 8 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| JC381 | Altnahinch WTP, Ballymoney, New CWB. | 6 | | 10/11/2010 | 8 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| JC378 | Glenlough SR Ballymoney New SR | 6 | | 20/12/2010 | 8 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| JR151 | West Belfast/ North Lisburn (Crew H Il) | 6 | | 18/01/2011 | 8 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| JB648 | Dungonnell Command Service Reservoir | 6 | | 31/03/2011 | 8 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| JF583 | Carland Service Reservoir | 6 | | 11/04/2011 | 8 | nr | | 1 | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| JS179 | Ballykine Gravity Distribution | 6 | | 20/04/2011 | 8 | nr | | 1 | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| JV827 | Tullyhappy SR | 6 | | 09/12/2011 | 8 | nr | | 1 | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| JB649 | Tully SR | 6 | | 06/12/2012 | 8 | nr | | | 1 | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| JV830 | Crieve SR | 6 | | 27/03/2015 | 8 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| JP631 | Killyhelvin Clear Water Tank | 6 | | 31/05/2020 | 8 | nr | | | | | | | | | | | 1 | | | | | | | N | | 1 | | | | | | | | | | | N |
| JB709 | Lough Fea CWB | 6 | | 31/03/2020 | 8 | nr | | | | | | | | | | 1 | | | | | | | | N | 1 | | | | | | | | | | | | N |
| JC385 | Monaclogh SR | 6 | | 01/08/2017 | 8 | nr | | | | | | | | 1 | | | | | | | | | | N | | | | | | | | | | | | | N |
| JN564 | SR - Loughmacrory Hill | 06z | | 01/03/2029 | 8 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | N |
| JS308 | CWT - Fofanny | 06z | | 05/10/2023 | 8 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | N | | | 0 | 0 | 1 | 0 | 0 | 0 | | | | | N |
| JF615 | CWT - Seagahan | 06z | | 06/03/2024 | 8 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 0 | N | | | 0 | 0 | 1 | 0 | 0 | 0 | | | | | N |
| JS274 | Drumaroad WTW Clear Water Tank | 06z | | 17/06/2021 | 8 | Nr | | | | | | | | | | | 0 | 1 | 0 | 0 | 0 | 0 | 0 | N | | 0 | 1 | 0 | 0 | 0 | 0 | 0 | | | | | N |
| | **Unsatisfactory Intermittent Discharges** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| KA247 | UID387 Crumlin Town WWPS Upgrade | 12 | | 01/03/2020 | 12 | nr | | | | | | | | | | 1 | | | | | | | | N | 1 | | | | | | | | | | | | N |
| KA248 | UID190 Brustin Lee WWPS | 12 | | 30/03/2015 | 12 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KA248 | UID319 Croft Manor WWPS | 12 | | 30/03/2015 | 12 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KA248 | UID320 Ballygalley Slipway WWPS | 12 | | 30/03/2015 | 12 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KA248 | UID321 Ballygalley North WWPS | 12 | | 30/03/2015 | 12 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KA248 | UID322 Ballygalley Coast Road CSO | 12 | | 30/03/2015 | 12 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KA251 | UID394 Clotworthy House CSO | 12 | | 22/01/2014 | 12 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KA252 | UID398 Glynn WWPS | 12 | | 19/02/2015 | 12 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KA260 | UID389 Muckamore WwPS | 12 | | 04/04/2017 | 12 | nr | | | | | | | | 1 | | | | | | | | | | N | | | | | | | | | | | | | N |
| KA261 | UID388 Milltown Road WWPS Upgrade | 12 | | 21/03/2017 | 12 | nr | | | | | | | 1 | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KA262 | UID391 Islandreagh WWPS Upgrade | 12 | | 30/03/2019 | 12 | nr | | | | | | | | | | | 1 | | | | | | | N | | 1 | | | | | | | | | | | N |
| KB486 | UID399 Galgorm Raphael WWPS | 12 | | 20/03/2018 | 12 | nr | | | | | | | | | 1 | | | | | | | | | N | | | | | | | | | | | | | N |
| KC415 | UID043 Screen Road CSO | 12 | | 30/03/2015 | 12 | nr | | | | | 1 | 0 | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KC415 | UID040 Ballysally CSO | 12 | | 31/03/2018 | 12 | nr | | | | | | | | 1 | | | | | | | | | | N | | | | | | | | | | | | | N |
| KF037 | UID245 Annagher SPS | 12 | | 28/03/2014 | 12 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KF037 | UID246 Campbells Garage WwPS CSO | 12 | | 28/03/2014 | 12 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KF037 | UID247 Washing bay Road WwPS CSO | 12 | | 28/03/2014 | 12 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KF330 | UID001 Scotch Street CSO. 2 | 12 | | 25/03/2016 | 12 | nr | | | | | | 1 | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KF330 | UID002 Scotch Street. CSO 1 | 12 | | 25/03/2016 | 12 | nr | | | | | | 1 | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KF330 | UID003 Courthouse 1 CSO | 12 | | 30/11/2015 | 12 | nr | | | | | | 1 | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KF330 | UID005 The Mall East CSO | 12 | | 14/10/2016 | 12 | nr | | | | | | | 1 | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KF330 | UID006 English St CSO. Scheme 2 | 12 | | 21/01/2017 | 12 | nr | | | | | | | 1 | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KF330 | UID007 Drumcairn SPS. Scheme 3 | 12 | | 30/03/2015 | 12 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KF330 | UID431 Ballycrummy WWPS | 12 | | 30/03/2015 | 12 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KF330 | UID430 Longstone WWPS | 12 | | 30/03/2015 | 12 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KF330 | UID010 Newry Road SPS | 12 | | 28/04/2017 | 12 | nr | | | | | | | | 1 | | | | | | | | | | N | | | | | | | | | | | | | N |
| KF330 | UID173 Mall West CSO | 12 | | 23/03/2016 | 12 | nr | | | | | | 1 | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KF330 | UID175 Alexander Road CSO | 12 | | 13/11/2015 | 12 | nr | | | | | | 1 | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KF330 | UID176 Gillis Lane CSO | 12 | | 30/03/2015 | 12 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KF354 | UID416 Dernagh WWPS | 12 | | 01/09/2014 | 12 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KF360 | UID418 Blackwatertown WWPS | 12 | | 31/03/2014 | 12 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KI488 | UID400 Braeside WWPS | 12 | | 01/08/2013 | 12 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KI488 | UID401 Cloughy Road WWPS | 12 | | 01/09/2013 | 12 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KI488 | UID402 Old Mill Race WWPS | 12 | | 01/08/2013 | 12 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KI488 | UID403 Glen Park WWPS | 12 | | 01/09/2013 | 12 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KI488 | UID404 Kerries Glen | 12 | | 01/01/2014 | 12 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KI488 | UID405 Carnesure Terrace WWPS | 12 | | 01/04/2014 | 12 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KI488 | UID406 Hillside WWPS | 12 | | 01/10/2013 | 12 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KI488 | UID407 Chimera Wood WWPS | 12 | | 01/12/2013 | 12 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KI488 | UID408 Ballystockart WWPS | 12 | | 01/11/2014 | 12 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KI488 | UID409 Milltown WWPS | 12 | | 01/10/2014 | 12 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KI488 | UID419 Ratalla WWPS | 12 | | 01/04/2013 | 12 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL468 | UID114 Caw Park CSO 023 | 12 | | 21/03/2016 | 12 | nr | | | | | | 1 | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL468 | UID380 Gransha Park WwPS No. 2 | 12 | | 22/03/2016 | 12 | nr | | | | | | 1 | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL504 | UID273 Knockalla New WWPS | 12 | | 13/09/2016 | 12 | nr | | | | | | | 1 | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL504 | UID274 Upper Gallagh Road WWPS | 12 | | 31/03/2016 | 12 | nr | | | | | | 1 | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL504 | UID275 Glen Road CSO | 12 | | 24/04/2015 | 12 | nr | | | | | | 1 | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL504 | UID433 Fairview Knockalla CSO | 12 | | 21/03/2016 | 12 | nr | | | | | | 1 | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL524 | UID420 Bleachgreen WWPS | 12 | | 60/06/2017 | 12 | nr | | | | | | | | 1 | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL527 | UID432 Manorwood WWPS | 12 | | 01/12/2016 | 12 | nr | | | | | | | 1 | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KN628 | UID427 Carrickmore WWPS | 12 | | 27/08/2014 | 12 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |

| A | | | | | B | | | | | | | | | | | | | | | | | | | | | C | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Project Information | | | | | Project Outputs Baseline | | | | | | | | | | | | | | | | | | | | | Project Outputs Current Actual or Projected | | | | | | | | | | | | |
| Project ID Reference | Project Name | PC21 Programme | Quality Regulator Date (if appropriate) | BU Date (if appropriate) | PC21 Output Ref Code | Output Units | PC10 | | | PC13 | | PC15 | | | | | | PC21 | | | | | | | LWWP Output (Y/N) | PC15 | | PC21 | | | | | | PC27 | | | | LWWP Output (Y/N) |
| PI Project ID | PI Project Name | PI PC21 Prog | | | | | 2010 11 | 2011 12 | 2012 13 | 2013 14 | 2014 15 | 2015 16 | 2016 17 | 2017 18 | 2018 19 | 2019 20 | 2020 21 | 2021 22 | 2022 23 | 2023 24 | 2024 25 | 2025 26 | 2026 27 | | 2019 20 | 2020 21 | 2021 22 | 2022 23 | 2023 24 | 2024 25 | 2025 26 | 2026 27 | 2027 28 | 2028 29 | 2029 30 | 2030 31 | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |
| KN644 | UID417 Greenbridge WWPS | 12 | | 14/11/2013 | 12 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KR417 | UID191 Cromac Street CSO 95 | 12 | | 31/03/2020 | 12 | nr | | | | | | | | | 1 | | | | | | | | | N | | | | | | | | | | | | | N |
| KR417 | UID192 Outside Holiday Inn CSO97 | 12 | | 31/03/2020 | 12 | nr | | | | | | | | | 1 | | | | | | | | | N | | | | | | | | | | | | | N |
| KR417 | UID193 Dublin Road Cinema CSO 96 | 12 | | 31/03/2020 | 12 | nr | | | | | | | | | 1 | | | | | | | | | N | | | | | | | | | | | | | N |
| KR417 | UID194 Bankmore Street / Dublin Road CSO 81 | 12 | | 31/03/2020 | 12 | nr | | | | | | | | | 1 | | | | | | | | | N | | | | | | | | | | | | | N |
| KR417 | UID265 Sandy Row CSO 94 | 12 | | 31/03/2020 | 12 | nr | | | | | | | | | 1 | | | | | | | | | N | | | | | | | | | | | | | N |
| KR480 | UID218 Palace Barracks CSO 110 | 12 | | 07/09/2016 | 12 | nr | | | | | | | 1 | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KR480 | UID219 Jackson Road CSO 52 | 12 | | 06/10/2014 | 12 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KR501 | UID272 Carrickfergus CSO | 12 | | 19/03/2015 | 12 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KR504 | UID351 Portaferry Road WWPS | 12 | | 31/03/2020 | 12 | nr | | | | | | | | | | 1 | | | | | | | | N | 1 | | | | | | | | | | | | N |
| KR640 | UID220 Strathearn Court CSO 53 | 12 | | 20/12/2016 | 12 | nr | | | | | | | 1 | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS372 | UID044 Market Street SPS Upgrade, Downpatrick - UID's | 12 | | 18/02/2016 | 12 | nr | | | | | | 1 | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS373 | UID046 Meadowlands CSO3 | 12 | | 06/05/2013 | 12 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS373 | UID047 Church Street CSO1 | 12 | | 06/05/2013 | 12 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS373 | UID048 Scotch Street CSO4 | 12 | | 06/05/2013 | 12 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS373 | UID049 Scotch Street CSO11 | 12 | | 06/05/2013 | 12 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS373 | UID050 Rathke tair Terr CSO12 | 12 | | 06/05/2013 | 12 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS374 | UID045 Downpatrick - Stream St CSO | 12 | | 19/02/2015 | 12 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS374 | UID124 Hunters Mill Attenua ion Stream Street CSO2 | 12 | | 19/02/2015 | 12 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS848 | UID 260 Harbour WwPS | 12 | | 09/12/2013 | 12 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS867 | UID343 Copeland Road CSO 61 | 12 | | 30/10/2014 | 12 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS875 | UID189 Bangor DAP Works Package 6 Lukes Point WWPS UIDs | 12 | | 30/09/2014 | 12 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS877 | UID023 Castle Park CSO 07 | 12 | | 31/03/2018 | 12 | nr | | | | | | | | 1 | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS877 | UID179 13 Rugby Avenue CS0 8A | 12 | | 31/03/2018 | 12 | nr | | | | | | | | 1 | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS877 | UID180 11 Brunswick Road CSO 8B | 12 | | 31/03/2018 | 12 | nr | | | | | | | | 1 | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS877 | UID181 104 Abbey Street CSO 8F | 12 | | 31/03/2018 | 12 | nr | | | | | | | | 1 | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS877 | UID182 114 Abbey Street CSO 8E | 12 | | 31/03/2018 | 12 | nr | | | | | | | | 1 | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS877 | UID183 Railway View Street CSO 8G (not required) | 12 | | 31/03/2018 | 12 | nr | | | | | | | | x | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS877 | UID184 Abbey Park CSO 9 | 12 | | 31/03/2018 | 12 | nr | | | | | | | | 1 | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS877 | UID263 57 Belfast Road CSO 8C | 12 | | 21/03/2017 | 12 | nr | | | | | | | 1 | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS877 | UID264 17 Belfast CSO 8D | 12 | | 21/03/2017 | 12 | nr | | | | | | | 1 | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS879 | UID018 Somerset Ave. CSO 11 | 12 | | 27/08/2014 | 12 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS879 | UID019 Bridge St CSO 13 | 12 | | 27/08/2014 | 12 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS879 | UID020 Quay St CSO 14 | 12 | | 27/08/2014 | 12 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS879 | UID021 Tennyson CSO 10 | 12 | | 27/08/2014 | 12 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS879 | UID022 Queens parade CSO 12 | 12 | | 27/08/2014 | 12 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS900 | UID410 Glencraig WWPS | 12 | | 01/05/2014 | 12 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS903 | UID266 Halfway House CSO | 12 | | 21/03/2016 | 12 | nr | | | | | | 1 | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS903 | UID267 Marine Park CSO | 12 | | 21/03/2016 | 12 | nr | | | | | | 1 | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS930 | UID076 Millis e SPS CSO 02 | 12 | | 12/12/2018 | 12 | nr | | | | | | | | | | | 1 | | | | | | | N | | 1 | | | | | | | | | | | N |
| KS937 | UID032 Annesborough Park WwPS | 12 | | 30/06/2016 | 12 | nr | | | | | | | 1 | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS939 | UID259 Pattons Bridge (Blackrock WwPS | 12 | | 24/03/2016 | 12 | nr | | | | | | 1 | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS958 | UID185 Avonlea Park CSO 6 | 12 | | 30/03/2016 | 12 | nr | | | | | | 1 | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS958 | UID186 Rosemary Crescent / Inglewood Pk CSO 5 | 12 | | 30/03/2016 | 12 | nr | | | | | | 1 | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS958 | UID187 Clandeboye Road CSO 5B | 12 | | 30/03/2016 | 12 | nr | | | | | | 1 | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KT114 | UID071 Magharegery PS CSO 18 | 12 | | 18/03/2014 | 12 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KT139 | UID276 River Road WWPS | 12 | | 09/04/2014 | 12 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KT391 | UID066 Waterside 2 CSO 07 | 12 | | 12/03/2015 | 12 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KT391 | UID067 B Hilden PS CSO 13B | 12 | | 30/03/2015 | 12 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KT391 | UID068 Hilden PS CSO 13A | 12 | | 15/10/2015 | 12 | nr | | | | | | 1 | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KT391 | UID069 Antrim St CSO 25 | 12 | | 22/08/2016 | 12 | nr | | | | | | | 1 | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KT391 | UID074 Laws Yard CSO 14 | 12 | | 30/10/2015 | 12 | nr | | | | | | 1 | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KT391 | UID221 Waterside 1 CSO 01 | 12 | | 12/03/2015 | 12 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KT391 | UID222 Linenhall Street CSO 03 | 12 | | 30/03/2015 | 12 | nr | | | | | 1 | 0 | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KT391 | UID223 Antrim Street CSO 05 | 12 | | 30/06/2019 | 12 | nr | | | | | | | | | 1 | | | | | | | | | N | | | | | | | | | | | | | N |
| KT391 | UID224 Clonevin Park CSO 10 | 12 | | 09/09/2015 | 12 | nr | | | | | | 1 | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KT391 | UID225 Sprucefield WWPS Screen CSO 20 | 12 | | 30/03/2015 | 12 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KT391 | UID226 Antrim Road CSO 24 + flooding | 12 | | 30/10/2015 | 12 | nr | | | | | | 1 | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KT391 | UID227 Bow Street CSO 26 | 12 | | 22/03/2016 | 12 | nr | | | | | | 1 | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KT391 | UID228 Bal ynahinch Rd 2 CSO 27 | 12 | | 18/03/2015 | 12 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KT391 | UID229 Grand Street Screen CSO 28 | 12 | | 20/11/2015 | 12 | nr | | | | | | 1 | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KT391 | UID423 Eglantine WWPS CSO 16 | 12 | | 30/03/2015 | 12 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KT391 | UID424 Culcavy WWPS CSO 17 | 12 | | 30/03/2015 | 12 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KT391 | UID425 Bal inderry WWPS CSO 23 | 12 | | 30/03/2015 | 12 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KT391 | UID421 Edgewater WWPS | 12 | | 04/09/2015 | 12 | nr | | | | | | 1 | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KT391 | UID422 Hoggs Weir CSO 04 | 12 | | 30/10/2015 | 12 | nr | | | | | | 1 | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KT403 | UID070 Maralin Ave CSO 02 | 12 | | 30/09/2014 | 12 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KT415 | UID065 Glenmore SPS CSO 22 | 12 | | 25/06/2013 | 12 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KV154 | UID095 Newry Road TPS CSO | 12 | | 14/01/2014 | 12 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KV154 | UID234 Drumsesk Road Header Tank CSO | 12 | | 14/01/2014 | 12 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KV161 | UID033 Mill Hill CSO 04 | 12 | | 31/03/2014 | 12 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KV161 | UID031 Ballylough CSO 04 | 12 | | 31/03/2014 | 12 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KV161 | UID036 Annesborough Park CSO 01 | 12 | | 31/03/2014 | 12 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KA201 | Ballyeaston, Sewerage System Upgrade | 12 | | 23/04/2012 | 12 | nr | | 1 | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KA247 | Crumlin Town WWPS Upgrade | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KA248 | Ballygally Sewer Rehabilita ion | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KA251 | Umry Lodge CSO | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KA252 | Glynn WWPS | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KA260 | Muckamore WWPS Upgrade | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KA261 | Milltown Road WWPS Upgrade | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KA262 | Islandreagh WWPS Upgrade | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KA263 | Dunadry WWPS Upgrade | 12 | | 27/06/2025 | 12 | nr | | | | | | | | | | | | 1 | | | | | | N | | | 0 | | 0 | | 1 | | | | | | N |
| KB428 | Draperstown DAP | 12 | | 02/07/2010 | 12 | nr | 2 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KB486 | Galgorm WWPS Upgrade | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KC404 | Coleraine DAP Phase 1 - UID s | 12 | | 31/01/2012 | 12 | nr | | 5 | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KG415 | Coleraine | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KF037 | Annagher Sewage Pumping Station and Rising Main - U D's | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KF330 | Armagh DAP Stage 1 - UID's | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KF354 | Dermagh WWPS Upgrade | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KF360 | Blackwater Town WWPS Upgrade | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KF396 | UID008 Milford SPS | 12 | | 04/08/2017 | 12 | nr | | | | | | | | 1 | | | | | | | | | | N | | | | | | | | | | | | | N |
| KF397 | UID009 Ki lylea SPS | 12 | | 31/03/2020 | 12 | nr | | | | | | | | | | 1 | | | | | | | | N | 1 | | | | | | | | | | | | N |
| KG153 | Gilford Road, Portadown, Sewerage Upgrades | 12 | | 10/08/2010 | 12 | nr | 3 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KG178 | Annaghanoon Road WWPS, Waringstown | 12 | | 05/09/2011 | 12 | nr | | | 1 | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KG184 | Portadown Drainage Area Network Improvements - Obins Street and Park Road - UID s | 12 | | 31/08/2012 | 12 | nr | | | 4 | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KI488 | Removal of Inlet Screens and Installation of Solid Handling Pumps | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL428 | Londonderry Sewer Imps Stage 2 - Duke St PS Group Schemes - UID's | 12 | | 28/03/2011 | 12 | nr | 3 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL443 | Londonderry DAP Duke Street Work Package - U D's | 12 | | 02/12/2011 | 12 | nr | | 4 | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL444 | Londonderry DAP, Buncrana Road, Work Package Stage 1- UID's | 12 | | 07/05/2012 | 12 | nr | | | 2 | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL445 | Londonderry DAP Victoria road Work Package - U D s | 12 | | 11/10/2010 | 12 | nr | 1 | | 1 | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL446 | Londonderry DAP, Duke Street Work Package, Flood Alleviation | 12 | | 13/12/2011 | 12 | nr | | 3 | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL447 | Londonderry DAP Foyle Road Work Package CSO Rationalisation - UID's | 12 | | 24/09/2012 | 12 | nr | | | 10 | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL448 | Londonderry DAP Victoria Road Work Package CSO Rationalisa ion | 12 | | 29/10/2010 | 12 | nr | 3 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL449 | Londonderry DAP Strathfoyle & Drmahoe Work Package Drumahoe Old WWPS | 12 | | 02/09/2010 | 12 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL450 | Londonderry DAP Strathfoyle & Drmahoe Work Package Caw WWPS | 12 | | 01/07/2010 | 12 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL451 | Londonderry DAP, Strathfoyle + Drumahoe Package CSO Abandonments - UID's | 12 | | 24/09/2012 | 12 | nr | | | 3 | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL468 | Strathfoyle, Londonderry Syphon Inlet Screen | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL504 | Londonderry DAP Buncrana Road Work Package, Stage 2 | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL524 | Bleachgreen WWPS, Londonderry, Upgrade/Replacement | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL527 | Manorwood WWPS Replacement | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KN595 | Brookmount Road, Hunters Cresent, Omagh | 12 | | 31/05/2011 | 12 | nr | | | 5 | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KN628 | Carrickmore WWPS Upgrade | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KN644 | Greenbridge WWPS Upgrade | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KN646 | Winters Lane, CSO Upgrade - UID | 12 | | 27/03/2013 | 12 | nr | | | 1 | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KR400 | Lukes Point DAP Phase 1 | 12 | | 23/06/2010 | 12 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KR402 | Joymount WWPS | 12 | | 01/06/2010 | 12 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KR403 | Whitehouse DAP Phase 1 | 12 | | 13/04/2010 | 12 | nr | 3 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KR417 | Ormeau Avenue Sewer inves igation and feas bility study for pollution resolution - UID's | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KR432 | Beechmount Avenue/Gortfin Street Belfast Hydraulic Upgrade, - UID's | 12 | | 02/12/2011 | 12 | nr | | 4 | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KR434 | Annadale Flats, Belast | 12 | | 30/03/2012 | 12 | nr | | 4 | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KR439 | Millisle DAP 1 | 12 | | 29/11/2012 | 12 | nr | | | 1 | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KR440 | Ballywalter DAP Phase 1 | 12 | | 30/09/2010 | 12 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KR441 | Montgomery Rd, Flood Alleviation - U D's | 12 | | 27/04/2012 | 12 | nr | | 4 | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KR452 | Baroda Street/Ormeau Park, Belfast CSO | 12 | | 07/09/2011 | 12 | nr | | 2 | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KR480 | Holywood Sewer Catchment Investigations - U Ds | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KR488 | Linen Gardens Belfast CSO Screening - UID's | 12 | | 01/01/2014 | 12 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KR501 | Carrickfergus WWTW Upgrade | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KR504 | Portaferry Road, N,Ards WWPS Upgrade | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KR640 | Holywood Sewer Network Improvements- Phase 2 | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS372 | Market Street SPS Upgrade, Downpatrick - UID's | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS373 | Church Street, SPS Upgrade, Downpatrick - UID's | 12 | | 06/05/2013 | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS374 | Hunter's Mi l Storm Attenuation and Network Improvements | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS377 | Downs Road/Castle Park Sewer Upgrade/ Attenuation - UID's | 12 | | 23/01/2012 | 12 | nr | | 4 | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS379 | Murlough SPS Upgrade & Network Improvements - UID's | 12 | | 29/04/2011 | 12 | nr | | 8 | 1 | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |

| A | | | | | B | | | | | | | | | | | | | | | | | | | | | C | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Project Information | | | | | Project Outputs Baseline | | | | | | | | | | | | | | | | | | | | | Project Outputs Current Actual or Projected | | | | | | | | | | | | | | | |
| Project ID Reference | Project Name | PC21 Programme | Quality Regulator Date (if appropriate) | BU Date (if appropriate) | PC21 Output Ref Code | Output Units | PC10 | | | PC13 | | PC15 | | | | | | | PC21 | | | | | | LWWP Output (Y/N) | PC15 | | PC21 | | | | | | PC27 | | | | LWWP Output (Y/N) |
| PI Project ID | PI Project Name | PI PC21 Prog | | | | | 2010 11 | 2011 12 | 2012 13 | 2013 14 | 2014 15 | 2015 16 | 2016 17 | 2017 18 | 2018 19 | 2019 20 | 2020 21 | 2021 22 | 2022 23 | 2023 24 | 2024 25 | 2025 26 | 2026 27 | | 2019 20 | 2020 21 | 2021 22 | 2022 23 | 2023 24 | 2024 25 | 2025 26 | 2026 27 | 2027 28 | 2028 29 | 2029 30 | 2030 31 | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |
| KS807 | Kilkeel Harbour SPS and Sewerage Improvements - UID's | 12 | | 04/06/2012 | 12 | nr | | | 2 | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS812 | Greyabbey DAP Phase 1 - UID's | 12 | | 24/09/2012 | 12 | nr | | | 2 | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS835 | South Street Newtownards WWPS Refurbishment - U D'S | 12 | | 28/01/2013 | 12 | nr | | | 1 | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS848 | Newcastle WwTW | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS867 | Copeland Road, Comber, Tank Sewer | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS875 | Bangor DAP Works Package 6 Lukes Point WWPS UIDs | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS877 | Bangor DAP Works Package 5 - Clandeboye Stream UIDs | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS878 | Bangor DAP Work Package 7 WWPS - UID S | 12 | | 28/03/2012 | 12 | nr | | 3 | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS879 | Bangor DAP Work Package 4 Bangor Marina UIDs | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS900 | WwPS Upgrades at Groomsport, Ki linchy & Craigavad | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS903 | Annalong DAP | 12 | | 02/09/2025 | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | 0 | 1 | | | | | | N |
| KS930 | Millisle DAP Stage 2 Phase 2 | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS937 | Annesborough Park WWPS Upgrade | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS939 | Central Promenade, Newcastle CSO Upgrade (Pa tons Bridge) | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS958 | Bangor DAP Works Package 5 Clandeboye Stream UIDs Phase 2 | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KT114 | Hillsborough WWTW | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KT138 | Beechlawn SPS H llsborough Upgrade - U D's | 12 | | 30/11/2011 | 12 | nr | | 1 | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KT139 | River Road SPS Upgrade | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KT391 | Lisburn DAP Stage 1 - UID's | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KT403 | Drumbeg Drive, Lisburn WWPS Enhancement | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KT415 | Glenmore WwPS Lisburn CSO upgrade | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KV014 | Castlewellan DAP - U Ds | 12 | | 19/08/2010 | 12 | nr | | | 2 | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KV063 | Newry Rehab | 12 | | 05/09/2011 | 12 | nr | | | 1 | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KV154 | Newry Road SPS Warrenpoint - U D's | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KV159 | Water Street/Horners Lane Rostrevor | 12 | | 24/06/2011 | 12 | nr | | | 1 | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KV161 | Castlewellan DAP Stage 1 - UIDs | 12 | | | 12 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KV249 | Annsborough DA UID-M ll Hill Castlewellan WwPS | 12b | | 20/08/2026 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 1 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | N |
| KA234 | Antrim DA Glenavy Road Crumlin WwPS | 12b | | 01/04/2024 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 1 | 0 | 0 | N | | | 0 | 0 | 0 | 1 | 0 | 0 | | | | | | N |
| KF428 | Armagh DA - Storm Tanks | 12b | | 25/12/2026 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | N |
| KB564 | Ballymena DA - Dunfane Crescent | 12b | | 30/04/2026 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | N |
| KB564 | Ballymena DA - Harryville Bridge CSO | 12b | | 30/04/2026 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | N |
| KB555 | Ballymena DAP - Deramore Park CSO | 12b | | N/A | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | N |
| KB563 | Ballymena DAP - Knockan Road CSO | 12b | | N/A | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | N |
| KB564 | Ballymena DAP - N100010347 | 12b | | 30/04/2026 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | N |
| KB559 | Ballymena DAP - Spencetown TPS | 12b | | TBC | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | N |
| KB563 | Ballymena DAP - The Pentagon CSO | 12b | | N/A | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | N |
| KB563 | Ballymena DAP - Waveney Road Yard CSO | 12b | | TBC | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | N |
| KB563 | Ballymena DAP- Albert Place CSO | 12b | | TBC | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | N |
| KH010 | Ballynahinch DA - Loughside Drive WwPS | 12b | | 01/06/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |
| KH010 | Ballynahinch DA UID-Town CSO | 12b | | 01/06/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 1 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |
| KS999 | Ballyrickard DA Upper Crescent Comber WwPS | 12b | | 17/06/2025 | 12 | Nr | | | | | | | | | | | | 0 | 4 | 0 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 4 | 0 | | | | | | N |
| KR753 | Ballywalter DA UID-Ballywalter Fowler 1 CSO | 12b | | 30/06/2028 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 1 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | N |
| KA298 | Blackcave DA - Solution 1 - Ballygalley Coast Road CSO | 12b | | 13/02/2025 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 0 | N | | | 0 | 0 | 0 | 1 | 0 | 0 | | | | | | N |
| KA298 | Blackcave DA - Solution 1 - Ballygalley Slipway WwPS CSO | 12b | | 13/02/2025 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 0 | N | | | 0 | 0 | 0 | 1 | 0 | 0 | | | | | | N |
| KA298 | Blackcave DA - Solution 2 - Blackarch East CSO | 12b | | 13/02/2025 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 0 | N | | | 0 | 0 | 0 | 1 | 0 | 0 | | | | | | N |
| KN687 | Cookstown DA - Blackhill CSO | 12b | | 28/09/2029 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | | N |
| KN687 | Cookstown DA - Burn Bank CSO | 12b | | 28/09/2029 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | | N |
| KN688 | Cookstown DA - Castle Road CSO | 12b | | 28/05/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |
| KN687 | Cookstown DA - Coolreaghs Road CSO | 12b | | 28/09/2029 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 0 | N | | | 0 | 0 | 0 | 0 | 1 | 0 | | | | | | N |
| KN688 | Cookstown DA - Derryloran Industrial Estate One WwPS | 12b | | 12/04/2023 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 1 | 0 | 0 | 0 | | | | | | N |
| KN688 | Cookstown DA - Loran Way CSO | 12b | | 28/05/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |
| KN688 | Cookstown DA - Orritor Road CSO | 12b | | 28/05/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |
| KN688 | Cookstown DA - Unipork Molesworth Street CSO | 12b | | 28/05/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |
| KL480 | Culmore DA - Faughan Crescent WwPS | 12b | | 25/09/2025 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 1 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 1 | 0 | | | | | | N |
| KH005 | Downpatrick DAP - Ardenlee PS | 12b | | 16/06/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |
| KH005 | Downpatrick DAP - Ardfern PS | 12b | | 16/06/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |
| KH005 | Downpatrick DAP - Down Counc l Strangford Road CSO | 12b | | 16/06/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |
| KH005 | Downpatrick DAP - Strangford Road PS | 12b | | 16/06/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |
| KT442 | Dromore DAP- Dromore Central PS10 WwPS | 12b | | 07/03/2028 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |
| KT442 | Dromore DAP- Dromore Central WwPS | 12b | | 07/03/2028 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |
| KT442 | Dromore DAP- Invert Siphon CSO | 12b | | 07/03/2028 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |
| KT442 | Dromore DAP- Lower Mount CSO | 12b | | 07/03/2028 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |
| KT442 | Dromore DAP- PS14 at Invert Siphon Site | 12b | | 07/03/2028 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |
| KF429 | Dungannon DA - Woodlawn Park CSO | 12b | | 31/03/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 1 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | N |
| KF429 | Dungannon DAP - Coolhill North WWPS | 12b | | 31/03/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | N |
| KP696 | Enniskillen DA - Derrychara Link CSO | 12b | | 10/06/2030 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 1 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | N |
| KP696 | Enniskillen DA - Loughview Drive CSO | 12b | | 10/06/2030 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 1 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | N |
| KP696 | Enniskillen DA - Rossory One WwPS | 12b | | 10/06/2030 | 12 | Nr | | | | | | | | | | | | 0 | 1 | 0 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | N |
| KP696 | Enniskillen DA-Riverview Enniskillen WwPS | 12b | | 10/06/2030 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 1 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | N |
| KS991 | Kilkeel DA - Derryogue Park CSO | 12b | | 31/03/2026 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 0 | N | | | 0 | 0 | 0 | 0 | 1 | 0 | | | | | | N |
| KS991 | Kilkeel DA - Kilkeel WwTW Stormtanks | 12b | | 31/03/2026 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 0 | N | | | 0 | 0 | 0 | 0 | 1 | 0 | | | | | | N |
| KS991 | Kilkeel DA - Mil tary Rd WWPS, Corick Way and Kittys Rd CSO | 12b | | 31/03/2026 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 3 | 0 | N | | | 0 | 0 | 0 | 0 | 3 | 0 | | | | | | N |
| KS991 | Kilkeel DA - Rooney Road CSO Uncharted | 12b | | 31/03/2026 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 0 | N | | | 0 | 0 | 0 | 0 | 1 | 0 | | | | | | N |
| KH008 | Killinchy DA - Inishargan PS | 12b | | 04/01/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | N |
| KR667 | Kircubbin DA Cooks Cove WwPS | 12b | | 28/10/2021 | 12 | Nr | | | | | | | | | | | | 0 | 1 | 0 | 0 | 0 | 0 | N | | | 1 | 0 | 0 | 0 | 0 | 0 | | | | | | N |
| KL543 | Limavady DA - Bovally WwPS | 12b | | 29/04/2024 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 1 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 1 | 0 | 0 | | | | | | N |
| KL543 | Limavady DA UID-Ballyclose Street CSO | 12b | | 29/04/2024 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 1 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 1 | 0 | 0 | | | | | | N |
| KC496 | Maghera DA UID-Largantogher Park CSO | 12b | | 13/03/2029 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 1 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | N |
| KL572 | Magherafelt DAP - Hospital Road East WwPS (ballyheafer) | 12b | | 26/02/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | N |
| KL572 | Magherafelt DAP Mill View PS | 12b | | 26/02/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | N |
| KV248 | Newry DA Newpoint Greenbank TPS | 12b | | 03/06/2030 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | N |
| KV248 | Newry DA Warrenpoint Rd Two WwPS | 12b | | 03/06/2030 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | N |
| KR785 | Newtownbreda DA - Option B - Mill Road West CSO | 12b | | 27/11/2026 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 1 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | N |
| KR737 | Newtownbreda DA- Option B Knockbreckan CSO | 12b | | 20/08/2025 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 1 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 1 | 0 | | | | | | N |
| KC493 | North Coast DA Ballycairn CSO CAI Playing Fields KC467 | 12b | | 31/07/2024 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 1 | 0 | 0 | N | | | 0 | 0 | 0 | 1 | 0 | 0 | | | | | | N |
| KC440 | North Coast DA Strand Road WwPS | 12b | | 30/09/2027 | 12 | Nr | | | | | | | | | | | | 0 | 1 | 0 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 2 | | | | | | N |
| KS873 | North Down DA - KS873 Rathmore Stream UID | 12b | | 29/07/2025 | 12 | Nr | | | | | | | | | | | | 0 | 2 | 0 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 1 | 0 | | | | | | N |
| KG177 | Portadown DAP Annagh WwPS | 12b | | 08/08/2028 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 3 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | | N |
| KH009 | Portaferry DAP - Portaferry No 1 PS (North) | 12b | | 12/02/2024 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 4 | N | | | 0 | 0 | 1 | 0 | 0 | 0 | | | | | | N |
| KG183 | Portadown Drainage Area Network Improvements - Meadow Lane and Bann Street | 12b | | 17/10/2025 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 0 | 6 | 0 | | | | | | N |
| KS872 | Bangor DAP Work Package 1 Carnalea Stream UID | 12b | | 10/04/2026 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 6 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | N |
| KS872 | UID012 KillaneyWWPS 3 | 12 | | 31/05/2023 | 12 | Nr | | | | | | | | | 1 | | | 1 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | |
| KS872 | UID177 Killaire WWPS 1 | 12 | | 31/05/2023 | 12 | Nr | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| KS874 | Bangor DAP Works Package 3 - Belfast Lough UIDs | 12b | | 13/03/2023 | 12 | Nr | | | | | | | | | | | | 3 | 0 | 0 | 0 | 0 | 0 | N | | | 2 | 1 | 0 | 0 | 0 | 0 | | | | | | N |
| KS902 | Dundrum DAP, UIDs Upgrades. | 12b | | 28/05/2027 | 12 | Nr | | | | | | | | | | | | 3 | 0 | 0 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 3 | | | | | N |
| SP026 | Belfast DA- Forfar Street CSO WwPS | 12b | | | 31/03/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | Y | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | Y |
| SP026 | Belfast DA- Donegal Place Royal Avenue CSO Sewerage | 12b | | | 31/03/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | Y | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | Y |
| SP026 | Belfast DA- Shore Road York CSO WwPS | 12b | | | 31/03/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | Y | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | Y |
| SP026 | Belfast DA- Dunlambert Park CSO | 12b | | | 31/03/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | Y | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | Y |
| SP026 | Belfast DA- North Howard Street CSO WwPS | 12b | | | 31/03/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | Y | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | Y |
| SP026 | Belfast DA- Shankill Road Lanark CSO WwPS | 12b | | | 31/03/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | Y | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | Y |
| SP026 | Belfast DA Upper Falls Boucher CSO DO45 | 12b | | | 31/03/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | 0 | Y | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | Y |
| SP026 | Belfast DA Oldpark Road CSO DO42 | 12b | | | 31/03/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | Y | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | Y |
| KR734 | Kinnegar DA- Brooklands Ave No.21 Sewerage | 12b | | | 27/11/2026 | 12 | Nr | | | | | | | | | | | | 0 | 1 | 0 | 0 | 0 | 0 | N | Y | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | Y |
| KR734 | Kinnegar DA- Brooklands Crescent WwPS | 12b | | | 27/11/2026 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | Y | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | Y |
| SP029 | Kinnegar DA- Clara Way Sewage | 12b | | | 31/03/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | Y | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | Y |
| KR734 | Kinnegar DA- Comber Road Sewerage | 12b | | | 27/11/2026 | 12 | Nr | | | | | | | | | | | | 0 | 1 | 0 | 0 | 0 | 0 | 0 | Y | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | Y |
| KR734 | Kinnegar DA- Comber Road WwPS | 12b | | | 27/11/2026 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | Y | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | Y |
| KR734 | Kinnegar DA- Cumberland Road Sewerage | 12b | | | 27/11/2026 | 12 | Nr | | | | | | | | | | | | 0 | 1 | 0 | 0 | 0 | 0 | 0 | Y | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | Y |
| KR734 | Kinnegar DA- Grand Prix Park Sewerage | 12b | | | 27/11/2026 | 12 | Nr | | | | | | | | | | | | 0 | 1 | 0 | 0 | 0 | 0 | 0 | Y | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | Y |
| SP029 | Kinnegar DA- Holywood Rd No.2 Sewerage | 12b | | | 31/03/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 1 | 0 | 0 | 0 | 0 | Y | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | Y |
| SP029 | Kinnegar DA- Knock Road | 12b | | | 31/03/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | Y | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | Y |
| SP029 | Kinnegar DA- Knock Road Playing Fields Sewerage | 12b | | | 31/03/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | Y | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | Y |
| SP029 | Kinnegar DA- Knocknagoney Country Park Sewerage | 12b | | | 31/03/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 1 | 0 | 0 | 0 | 0 | Y | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | Y |
| KR734 | Kinnegar DA- Millars Lane SPS Sewerage | 12b | | | 27/11/2026 | 12 | Nr | | | | | | | | | | | | 0 | 1 | 0 | 0 | 0 | 0 | 0 | Y | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | Y |
| KR734 | Kinnegar DA- Moat Park/ Upper Newtonards Road Sewerage | 12b | | | 27/11/2026 | 12 | Nr | | | | | | | | | | | | 0 | 1 | 0 | 0 | 0 | 0 | 0 | Y | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | Y |
| SP029 | Kinnegar DA- Orangefield Ave/ Sandh ll Parade | 12b | | | 31/03/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | Y | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | Y |
| SP029 | Kinnegar DA- Palmerston Rd/ Holywood Rd Sewerage | 12b | | | 31/03/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | Y | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | Y |
| SP029 | Kinnegar DA- Parkway WwPS | 12b | | | 31/03/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | Y | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | Y |
| SP029 | Kinnegar DA- Sandown Road No. 149 Sewerage | 12b | | | 31/03/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 1 | 0 | 0 | 0 | 0 | Y | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | Y |
| KR632 | Sydenham WwPS | 12b | | | 27/12/2028 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | 0 | Y | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | Y |
| SP029 | Kinnegar DA - Glen Brae WwPS | 12b | | | 31/03/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 1 | 0 | 0 | 0 | 0 | Y | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | Y |
| SP027 | Carrick DA - Solution 1 - West Park WwPS | 12b | | | 15/12/2026 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 0 | Y | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | Y |
| KB562 | Carrick DA - Solution 2 - Marine Highway Carpark Offline Storage | 12b | | | 10/01/2025 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 5 | Y | | | 0 | 0 | 1 | 4 | 0 | 0 | | | | | | Y |
| SP029 | Kinnegar DA- Abbey Park WwPS | 12b | | | 31/03/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | Y | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | Y |
| SP029 | Kinnegar DA- Kensington Road WwPS | 12b | | | 31/03/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | Y | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | Y |
| SP029 | Kinnegar DA- Knocknagoney Dale WwPS | 12b | | | 31/03/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | Y | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | Y |
| KB562 | Carrick DA - Marine Highway CSO Screen | 12b | | | 10/01/2025 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 0 | Y | | | 0 | 0 | 0 | 1 | 0 | 0 | | | | | | Y |
| KB562 | Carrick DA - Solution 3 - Irish Quarter South CSO | 12b | | | 01/12/2023 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | Y | | | 0 | 0 | 1 | 0 | 0 | 0 | | | | | | Y |
| SP029 | Kinnegar Da- Knocknagoney Drive WwPS | 12b | | | 31/03/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | Y | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | | Y |

| A | | | | | B | | | | | | | | | | | | | | | | | | | | C | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Project Information | | | | | Project Outputs Baseline | | | | | | | | | | | | | | | | | | | | Project Outputs Current Actual or Projected | | | | | | | | | | | | | |
| Project ID Reference | Project Name | PC21 Programme | Quality Regulator Date (if appropriate) | BU Date (if appropriate) | PC21 Output Ref Code | Output Units | PC10 | | | PC13 | | PC15 | | | | | | | PC21 | | | | | | LWWP Output (Y/N) | PC15 | | PC21 | | | | | | PC27 | | | | LWWP Output (Y/N) |
| PI PC21 Proj | PI Project Name | | | | | | 2010 11 | 2011 12 | 2012 13 | 2013 14 | 2014 15 | 2015 16 | 2016 17 | 2017 18 | 2018 19 | 2019 20 | 2020 21 | 2021 22 | 2022 23 | 2023 24 | 2024 25 | 2025 26 | 2026 27 | | 2019 20 | 2020 21 | 2021 22 | 2022 23 | 2023 24 | 2024 25 | 2025 26 | 2026 27 | 2027 28 | 2028 29 | 2029 30 | 2030 31 | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |
| SP036 | Carrick DA - Solution 4 - WwTW Boundary CSO Storage Tank | 16a | | N/A | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 1 | 0 | 0 | Y | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | Y |
| SP036 | Carrick DA - Solution 4 - WwTW Storm Tanks Overflow | 16a | | N/A | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 1 | 0 | 0 | Y | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | Y |
| SP026 | Belfast DA - Ravenhill Road Ravensdene CSo WwPS | 12b | | 31/03/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | Y | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | Y |
| | **Wastewater Pumping Stations (Capacity Increase)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| KA270 | Antrim DA Neillsbrook WwPS | 12c | | 08/11/2023 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 1 | 0 | 0 | 0 | N | | | 0 | 0 | 1 | 0 | 0 | 0 | | | | | N |
| KL542 | Ballymagorry DA Ballymagorry Tyrone WwPS | 12c | | 31/10/2024 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 1 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 1 | 0 | 0 | | | | | N |
| KR647 | Bangor DA Ballyrobert Bangor WwPS | 12c | | 22/09/2021 | 12 | Nr | | | | | | | | | | | | 0 | 1 | 0 | 0 | 0 | 0 | N | | | 1 | 0 | 0 | 0 | 0 | 0 | | | | | N |
| KF426 | Derryhale DA - Brompton Park WwPS | 12c | | 22/05/2026 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 1 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |
| KG235 | Derryhale DA Dobbin WwPS | 12c | | 24/02/2026 | 12 | Nr | | | | | | | | | | | | 0 | 1 | 0 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 1 | 0 | | | | | N |
| KS971 | Donaghadee DA - Cotton WWPS | 12c | | 23/10/2026 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 1 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |
| KL533 | Donnybrewer DA Eg inton Cottage Way WwPS | 12c | | 23/06/2022 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 1 | 0 | 0 | 0 | N | | | 0 | 1 | 0 | 0 | 0 | 0 | | | | | N |
| KF362 | Keady Armagh DA Armvale WwPS | 12c | | 17/12/2026 | 12 | Nr | | | | | | | | | | | | 0 | 1 | 0 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |
| KG140 | Moira DA Waringfield WwPS | 12c | | 30/01/2025 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 1 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 1 | 0 | 0 | | | | | N |
| KF421 | Moy DA Keenaghan WwPS Upgrade | 12c | | 30/03/2027 | 12 | Nr | | | | | | | | | | | | 0 | 1 | 0 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |
| KV243 | Rathfriland Drumlough DA Sleepy Valley Rathfriland WwPS | 12c | | 26/09/2025 | 12 | Nr | | | | | | | | | | | | 0 | 1 | 0 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 1 | 0 | | | | | N |
| KF378 | Tamnamore DA Clonmore Road Clontyclay WwPS | 12c | | 10/02/2023 | 12 | Nr | | | | | | | | | | | | 0 | 1 | 0 | 0 | 0 | 0 | N | | | 0 | 1 | 0 | 0 | 0 | 0 | | | | | N |
| SP030 | New Growth LWWP | 12c | | 31/03/2027 | 12 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | ?? | Y | | | 0 | 0 | 0 | 0 | 0 | ?? | | | | | Y |
| | **Wastewater Treatment Works** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| KT102 | Dunmurry WwTW Mod fications | 16 | | 19/03/2012 | 13 | nr | | 1 | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KB436 | Whitehead, Ballystruder & Ballycarry Rationalisation | 16 | | 16/02/2012 | 13 | nr | | 1 | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KR389 | Ballyhalbert WwTW Interim Solution | 16 | | 28/03/2013 | 13 | nr | | | 1 | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KA195 | Mullaghboy WWTW | 16 | | 04/04/2011 | 13 | nr | | 1 | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KR391 | Portavogie WwTW Interim Solution | 16 | | 24/09/2012 | 13 | nr | | | 1 | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS253 | Drumaness WwTW | 16 | | 31/08/2010 | 13 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KB282 | Magherafelt WwTW | 16 | | 28/03/2011 | 13 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KT125 | Hook's Corner WwTW | 16 | | 28/03/2011 | 13 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL393 | Ballymonie WwTW | 16 | | 18/03/2011 | 13 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KB269 | Toome (Creagh) Sewerage Scheme | 16 | | 22/03/2011 | 13 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS307 | Loughries WWTW | 16 | | 25/01/2011 | 13 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KB281 | Maghera WwTW | 16 | | 03/02/2011 | 13 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL363 | Feeny WwTW | 16 | | 25/11/2011 | 13 | nr | | 1 | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KR310 | Newtownbreda WwTW | 16 | | 04/02/2011 | 13 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KG145 | Derrytrasna WwTW Upgrade | 16 | | 29/11/2010 | 13 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KB333 | Cargan WwTW | 16 | | 30/11/2010 | 13 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KC284 | Cloughmills WwTW | 16 | | 30/11/2010 | 13 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KB322 | Martinstown WwTW | 16 | | 13/12/2010 | 13 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KF005 | Coalisland WwTW | 16 | | 01/12/2010 | 13 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KC299 | Bushmi ls + Portballintrae WwTW | 16 | | 06/12/2010 | 13 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KB279 | Stewartstown WwTW Improvements | 16 | | 10/11/2010 | 13 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KB284 | Coagh WwTW Improvements | 16 | | 10/11/2010 | 13 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL300 | Dungiven WwTW | 16 | | 10/11/2010 | 13 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KV064 | Lurganare WwTW | 16 | | 30/09/2010 | 13 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KN533 | Rousky Sewerage Scheme | 16 | | 09/09/2010 | 13 | nr | 1 | | | | 0 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KB278 | Moneymore STW Imps | 16 | | 18/08/2010 | 13 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS224 | Downpatrick WwTW | 16 | | 14/12/2009 | 13 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KF319 | Annaghmore WwTWs | 16 | | 27/09/2010 | 13 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS225 | Ardglass WWTW | 16 | | 20/03/2015 | 13 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KT377 | New Holland WwTW | 16 | | 28/03/2011 | 13 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS374 | Darragh Cross WwTW | 16 | | 07/09/2010 | 13 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KC338 | Causeway/Aird (New Pumping Station) | 16 | | 23/08/2011 | 13 | nr | | 1 | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KC416 | Glenstall WwTW - Nutrient Reduction | 16 | | 25/02/2013 | 13 | nr | | | 1 | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KN622 | Omagh WwTW - Nutrient Reduction | 16 | | 25/02/2013 | 13 | nr | | | 1 | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL465 | Limavady WwTW - Nutrient Reduction | 16 | | 25/02/2013 | 13 | nr | | | 1 | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KF329 | Ardress WWPS Upgrade | 16 | | 31/03/2012 | 13 | nr | | 1 | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS857 | Glassdrumman WWTW | 16 | | 23/12/2011 | 13 | nr | | 1 | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS216 | Dunmore Sewerage - EC Compliance | 16 | | 30/06/2011 | 13 | nr | | 1 | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KF320 | Bush WwTW | 16 | | 03/06/2010 | 13 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KF028 | Keady Wwtw | 16 | | 29/11/2012 | 13 | nr | | | 1 | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL482 | Tamnaherin Wwtw | 16 | | 28/01/2013 | 13 | nr | | | 1 | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KV105 | Newry WwTW Extension Phase 1 | 16 | | 28/01/2013 | 13 | nr | | | 1 | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KF060 | Brockagh Terrace/Mountjoy WtWT | 16 | | 13/08/2012 | 13 | nr | | | 1 | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KV125 | Forkhill WwTW | 16 | | 28/03/2013 | 13 | nr | | | 1 | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KV045 | Mullaghbane WwTW | 16 | | 28/03/2013 | 13 | nr | | | 1 | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KB287 | Swatragh WwTW | 16 | | 21/03/2013 | 13 | nr | | | 1 | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KB314 | Gulladuff WwTW | 16 | | 16/12/2013 | 13 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KT114 | Hillsborough WWTW | 16 | | 18/03/2014 | 13 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS848 | Newcastle WwTW | 16 | | 09/12/2013 | 13 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KR501 | Carrickfergus WWTW Upgrade | 16 | | 31/03/2014 | 13 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KR530 | Belfast WwTW Base Maintenance Phase 2 | 16 | | 18/03/2014 | 13 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KN631 | Strabane WWTW's Refurbishment | 16 | | 20/12/2013 | 13 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL350 | Benone Area Sewerage | 16 | | 16/09/2013 | 13 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL350 | Decommission Benone WwTW & construct WwPS | 16 | | 16/09/2013 | 13 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL350 | Decommission Drumavelly WwTW & construct WwPS | 16 | | 16/09/2013 | 13 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL350 | Decommission Augh l WwTW & construct WwPS | 16 | | 16/09/2013 | 13 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL350 | Decommission MoD WwTW & construct WwPS | 16 | | 16/09/2013 | 13 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL350 | Decommission NIPS WwTW & construct WwPS | 16 | | 16/09/2013 | 13 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL350 | Provision of new Mag lligan WwTW | 16 | | 16/09/2013 | 13 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KP672 | Tempo WwTW | 16 | | 06/01/2015 | 13 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS844 | Ballyhoman Outfall - NIEA Enforcement | 16 | | 31/12/2013 | 13 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL424 | Magheramason Wwtw | 16 | | 20/03/2015 | 13 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KR409 | Moneyreagh WwTW (Storm Pumping station) | 16 | | 12/12/2013 | 13 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KP586 | Clabby Wwtw | 16 | | 30/03/2018 | 13 | nr | | | | | | | | | 1 | | | | | | | | | N | | | | | | | | | | | | | N |
| KN599 | Donaghmore Wwtw | 16 | | 19/03/2015 | 13 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL487 | Nixon's Corner | 16 | | 30/01/2015 | 13 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL386 | Gortnahey Wwtw | 16 | | 24/07/2014 | 13 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS389 | Ballymartin & Blackrock WwTWs | 16 | | | 13 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS389 | Ballymartin WwTW | 16 | | 31/03/2015 | 13 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS389 | Blackrock WwTW | 16 | | 31/03/2016 | 13 | nr | | | | | | | 1 | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS355 | Ballynahinch Wwtw | 16 | | 21/03/2014 | 13 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS905 | Kilmore & Annacloy WwTW | 16 | | | 13 | nr | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS906 | Kilmore WwTW | 16 | | 10/03/2015 | 13 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS907 | Annacloy WwTW | 16 | | 11/03/2015 | 13 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KS887 | Ards South (Ballycranbeg WwTW load reduction) | 16 | | 31/03/2015 | 13 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL496 | Feeny WwTW - Replacement Secondary Treatment | 16 | | 08/08/2014 | 13 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KN596 | Ballymagory WWTW | 16 | | 30/03/2015 | 13 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL493 | Artigarvin WwTW | 16 | | 21/12/2015 | 13 | nr | | | | | | 1 | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KN640 | Dromore (Tyrone) WWTW | 16 | | 20/03/2015 | 13 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KT402 | Dunmurry WWTW Sludge Facil ty | 16 | | 18/03/2014 | 13 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KB459 | Maghera WwTW Phase 2 | 16 | | 04/02/2014 | 13 | nr | | | | 1 | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KL394 | Drumsurn Wwtw | 16 | | 16/12/2014 | 13 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KP668 | Lisnarrick Wwtw | 16 | | 01/12/2014 | 13 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KT126 | Stoneyford Wwtw | 16 | | 28/11/2014 | 13 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KI508 | UWWTR MCERT compliance | 16 | | 31/01/2016 | 13 | nr | | | | | | 1 | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KC296 | Ballycastle WwTW | 16 | | 30/12/2017 | 13 | nr | | | | | | | | 1 | | | | | | | | | | N | | | | | | | | | | | | | N |
| KN656 | Castle Archdale WwTW | 16 | | 30/03/2016 | 13 | nr | | | | | | 1 | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KG202 | Aghaga lon WwTW | 16 | | 31/03/2015 | 13 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| | Waringsford | 16 | | 30/09/2014 | 13 | nr | | | | | 1 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KC302 | Ballintoy WwTW | 16 | | 29/03/2020 | 13 | nr | | | | | | | | | | 1 | | | | | | | | N | 1 | | | | | | | | | | | | N |
| KS111 | Ards South - Cloughey | 16 | | 31/03/2020 | 13 | nr | | | | | | | | | 1 | | | | | | | | | N | | | | | | | | | | | | | N |
| KL489 | Ballyke ly WwTW | 16 | | 22/07/2021 | 13 | nr | | | | | | | | | | | 1 | | | | | | | N | | 0 | 1 | | | | | | | | | | N |
| | Dundrum WwTW | 16 | | 31/03/2019 | 13 | nr | | | | | | | | | 1 | | | | | | | | | N | | | | | | | | | | | | | N |
| KC463 | Ballybogy WwTW | 16 | | 31/03/2021 | 13 | nr | | | | | | | | | | 1 | | | | | | | | N | | 1 | | | | | | | | | | | N |
| KA239 | Mullans WwTW (Antrim) | 16 | | 29/03/2018 | 13 | nr | | | | | | | | | 1 | | | | | | | | | N | | | | | | | | | | | | | N |
| KF350 | Dungannon WwTW Phase 1 | 16 | | 29/03/2020 | 13 | nr | | | | | | | | | | 1 | | | | | | | | N | 1 | | | | | | | | | | | | N |
| KS918 | Greyabbey WwTW | 16 | | 31/03/2020 | 13 | nr | | | | | | | | | | 1 | | | | | | | | N | 1 | | | | | | | | | | | | N |
| KG041 | Maghaberry WwTW (additional output in 16/17 draft adjusted outputs submission) | 16 | | 29/03/2019 | 13 | nr | | | | | | | | | 1 | | | | | | | | | N | | | | | | | | | | | | | N |
| | The Loup | 16 | | 15/03/2017 | 13 | nr | | | | | | | 1 | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KC427 | Ballyvoy | 16 | | 31/03/2021 | 13 | nr | | | | | | | | | | | 1 | | | | | | | | | 1 | | | | | | | | | | | |
| KF423 | Cabragh WwTW | 16a | | 03/11/2026 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |
| KB556 | Grange (Taylorstown) WwTW | 16a | | 25/04/2025 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 0 | N | | | 0 | 0 | 0 | 0 | 1 | 0 | | | | | N |
| KP703 | Monea WwTW | 16a | | 30/07/2025 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 1 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 1 | 0 | | | | | N |
| KT443 | Dromara WwTW | 16a | | 18/06/2027 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |
| KS996 | Drumaness WwTW | 16a | | 27/03/2026 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 1 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 1 | 0 | | | | | N |
| KP705 | Ballygawley WwTW | 16a | | 26/06/2025 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 1 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 1 | 0 | | | | | N |
| KT439 | Dromore WwTW | 16a | | 21/08/2026 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |
| KN680 | Mountfield PC21 | 16a | | 22/03/2024 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 1 | 0 | 0 | 0 | N | | | 0 | 0 | 1 | 0 | 0 | 0 | | | | | N |
| KF418 | Robinsonstown WwTW | 16a | | 08/12/2026 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |
| KP704 | Tamlaght WwTW | 16a | | 03/09/2024 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 1 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 1 | 0 | 0 | | | | | N |
| KL566 | Culmore WwTW- Cat 5 | 16a | | 28/12/2029 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | N |
| KB558 | Larne WwTW | 16a | | 05/12/2029 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | N |
| KL565 | Aghanloo WwTW | 16a | | 28/02/2025 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 1 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 1 | 0 | 0 | | | | | N |
| KF419 | Moy WwTW | 16a | | 08/03/2027 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |
| KB553 | Killygonlan WwTW | 16a | | 18/12/2026 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |

| A | | | | | B | | | | | | | | | | | | | | | | | | | | | C | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Project Information | | | | | Project Outputs Baseline | | | | | | | | | | | | | | | | | | | | | Project Outputs Current Actual or Projected | | | | | | | | | | | | |
| Project ID Reference | Project Name | PC21 Programme | Quality Regulator Date (if appropriate) | BU Date (if appropriate) | PC21 Output Ref Code | Output Units | PC10 | | | PC13 | | PC15 | | | | | | PC21 | | | | | | LWWP Output (Y/N) | PC15 | | PC21 | | | | | | PC27 | | | | LWWP Output (Y/N) |
| PI Project ID | PI Project Name | PI PC21 Prog | | | | | 2010 11 | 2011 12 | 2012 13 | 2013 14 | 2014 15 | 2015 16 | 2016 17 | 2017 18 | 2018 19 | 2019 20 | 2020 21 | 2021 22 | 2022 23 | 2023 24 | 2024 25 | 2025 26 | 2026 27 | | 2019 20 | 2020 21 | 2021 22 | 2022 23 | 2023 24 | 2024 25 | 2025 26 | 2026 27 | 2027 28 | 2028 29 | 2029 30 | 2030 31 | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |
| KB551 | Derrycrin WwTW | 16a | | 17/11/2023 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 1 | 0 | 0 | 0 | N | | | 0 | 0 | 1 | 0 | 0 | 0 | | | | | N |
| KB552 | Ballyronan WwTW | 16a | | 03/07/2024 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 1 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 1 | 0 | 0 | | | | | N |
| KV241 | Warrenpoint WwTW Phase 2 | 16a | | 15/11/2022 | 13 | Nr | | | | | | | | | | | | 0 | 1 | 0 | 0 | 0 | 0 | N | | | 0 | 1 | 0 | 0 | 0 | 0 | | | | | N |
| KN683 | Cat 5- Lisnaskea 2 WwTW | 16a | | 26/03/2027 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 1 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |
| KN682 | Stewartstown WwTW | 16a | | 17/12/2025 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 1 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 1 | 0 | | | | | N |
| KN681 | Pomeroy WwTW | 16a | | 15/03/2024 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 1 | 0 | 0 | 0 | N | | | 0 | 0 | 1 | 0 | 0 | 0 | | | | | N |
| KF355 | Markethill WwTW | 16a | | 27/05/2027 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 1 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | N |
| KN684 | Clogher WWTW | 16a | | 11/09/2026 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |
| KV252 | Kilkeel WwTW | 16a | | TBC | 13 | Nr | | | | | | | | | | | | 0 | 0 | 1 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | N |
| KS998 | Downpatrick WwTW | 16a | | 15/09/2027 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | N |
| KG234 | Waringstown WwTW | 16a | | 02/12/2026 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 1 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |
| KS997 | Killinchy WwTW | 16a | | 05/05/2027 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | N |
| KF425 | Dungannon WwTW | 16a | | 31/03/2027 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |
| KN685 | Lough Macrory WwTW | 16a | | 19/06/2026 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 1 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |
| KS981 | Newcastle WwTW | 16a | | 03/03/2025 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 1 | 0 | 0 | | | | | N |
| KR730 | Loughries WwTW | 16a | | 16/02/2023 | 13 | Nr | | | | | | | | | | | | 0 | 1 | 0 | 0 | 0 | 0 | N | | | 0 | 1 | 0 | 0 | 0 | 0 | | | | | N |
| KV244 | Newry WwTW | 16a | | 07/11/2030 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | N |
| KH004 | Dundrum WWTW | 16a | | 10/07/2025 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 0 | N | | | 0 | 0 | 0 | 0 | 1 | 0 | | | | | N |
| KB554 | Ballaghy WwTW | 16a | | 16/12/2026 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | N |
| KH002 | Annsborough WwTW | 16a | | 01/04/2027 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 1 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | | N |
| KV245 | Meigh WwTW | 16a | | 31/03/2026 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 1 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 1 | 0 | | | | | N |
| KC494 | Kilrea WwTW | 16a | | 26/08/2025 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 1 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 1 | 0 | | | | | N |
| KS113 | Ards North, Carrowdore, Ballywalter, Ballyhaskin | 16 | | 18/01/2023 | | | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | N |
| KS113 | Carrowdore WwTW | 16a | | 17/02/2023 | 13 | Nr | | | | | | | | | | | | 0 | 1 | 0 | 0 | 0 | 0 | N | | | 0 | 1 | 0 | 0 | 0 | 0 | | | | | N |
| KS113 | Ballywalter WwTW | 16a | | 17/02/2023 | 13 | Nr | | | | | | | | | | | | 0 | 1 | 0 | 0 | 0 | 0 | N | | | 0 | 1 | 0 | 0 | 0 | 0 | | | | | N |
| KS113 | Ballyhaskin WwTW | 16a | | 17/02/2023 | 13 | Nr | | | | | | | | | | | | 0 | 1 | 0 | 0 | 0 | 0 | N | | | 0 | 1 | 0 | 0 | 0 | 0 | | | | | N |
| KS235 | Ballygowan WwTW | 16 | | 01/06/2022 | | | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | N |
| KS235 | Ballygowan WwTW | 16a | | 26/01/2023 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 1 | 0 | 0 | 0 | N | | | 0 | 1 | 0 | 0 | 0 | 0 | | | | | N |
| KS235 | Moneyreagh WwTW | 16 | | 31/03/2019 | 13 | Nr | | | | | | | | | 1 | | | 0 | 0 | 0 | 0 | 0 | 0 | N | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | N |
| KR725 | Whitehouse WwTW | 16b | | 26/02/2027 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 1 | 0 | 0 | 0 | Y | | | 0 | 0 | 0 | 0 | 0 | 1 | | | | | Y |
| KR726 | Belfast WwTW - Phase 1 upgrade | 16b | | 26/02/2027 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | Y | | | 0 | 0 | 0 | 0 | 0 | 1 | 0 | | | | Y |
| KR727 | Greenisland WwTW | 16b | | 06/02/2030 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | Y | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | Y |
| KR728 | Carrickfergus WwTW | 16b | | 06/02/2030 | 13 | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | Y | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | Y |
| | **Small Wastewater Treatment Works** | | | | | Nr | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| KI486 | Annahugh WwTW | 17 | | 2010/2011 | 13 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KI486 | Ga ba ly WwTW | 17 | | 2010/2011 | 13 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KI486 | Maghery WwTW | 17 | | 2010/2011 | 13 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KI486 | Montieth WwTW | 17 | | 2011/2012 | 13 | nr | | 1 | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KI486 | Orritor WwTW | 17 | | 2011/2012 | 13 | nr | | 1 | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KI486 | Garvaghy WwTW | 17 | | 2011/2012 | 13 | nr | | 1 | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KI486 | Donagheady WwTW | 17 | | 2010/2011 | 13 | nr | 1 | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KI486 | Attical Tullyframe WwTW | 17 | | 2011/2012 | 13 | nr | | 1 | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KI486 | Donagh WwTW | 17 | | 2011/2012 | 13 | nr | | 1 | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KI486 | Glack WwTW | 17 | | 2012/2013 | 13 | nr | | | 1 | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| KI486 | Teemore WwTW | 17 | | 2011/2012 | 13 | nr | | 1 | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| | Small Wastewater Treatment Works - PC10 Programme <250pe to be detailed | 17 | | 2010-2013 | 14 | nr | 11 | 23 | 14 | | | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| | Small Wastewater Treatment Works - PC13 Programme <250pe to be detailed | 17 | | 2013-2015 | 14 | nr | | | | 7 | 18 | | | | | | | | | | | | | N | | | | | | | | | | | | | N |
| | Small Wastewater Treatment Works - PC15 Programme <250pe to be detailed | 17 | | 2015-2021 | 14 | nr | | | | | | 4 | 8 | 3 | 8 | 10 | 11 | | | | | | | N | 10 | 11 | | | | | | | | | | | N |
| SP038 | RWWP RBC <50PE (Current PE) | 17z | | 30/03/2027 | 14 | Nr | | | | | | | | | | | | 6 | 6 | 6 | 6 | 6 | 6 | N | | | 2 | 10 | 4 | 7 | 7 | 6 | | | | | N |
| | **Small Wastewater Treatment Works (Sustainable Solutions)** | | | | | Nr | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SP038 | RWWIP – Sustainable Option | 17z | | 30/03/2027 | | Nr | | | | | | | | | | | | 0 | 0 | 0 | 1 | 1 | 1 | N | | | 0 | 0 | 0 | 1 | 1 | 1 | | | | | N |
| | **Wastewater Siphons** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| KL494 | Culmore DA Strathfoyle Siphons | 12i | | 30/03/2026 | | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | N | | | 0 | 0 | 0 | 0 | 1 | 0 | | | | | N |
| SP026 | Belfast DA Queens Bridge Siphons | 12H | | 30/06/2022 | | Nr | | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 1 | Y | | | 0 | 1 | 0 | 0 | 0 | 0 | | | | | Y |
| | **Event Duration Monitors** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SP021 | Event Duration Monitors WwPS/CSOs | 12b | | 30/03/2027 | | Nr | | | | | | | | | | | | 50 | 50 | 100 | 150 | 150 | 146 | N | | | 52 | 83 | 124 | 122 | 123 | 142 | | | | | N |
| KI697 | Event Duration Monitors WwTW | 16d | | 31/03/2027 | | Nr | | | | | | | | | | | | 16 | 17 | 17 | 16 | 16 | 16 | N | | | 0 | 0 | 0 | 0 | 49 | 49 | | | | | N |

# Table 40a - Nominated Outputs

The following tables identify those PC21 Nominated Outputs delivered during the programme. The information aligns with that claimed in the relevant AIR Tables and also endeavours to update the status of the Nominated Outputs not delivered in period.

The delivery of Nominated Outputs has been measured against the Final Determination Targets with any accepted Change Controls incorporated.

For further details on the complete programme please refer to Table 40a.

## Water Service Activities

Includes Table 11 Outputs.

### Table 11, Line 22 - Completion of nominated trunk main schemes

Within Sub-programme 05, the PC21 Final Determination indicated a target of 14 trunk main schemes for the 6-year period with 1 of these profiled for delivery in 2023/24. As of Year 3 (2023/24), 5 trunk mains initially planned to achieve Beneficial Use in PC21 have been extended into the first 2 years of PC27 however, NI Water are planning to pull these back into PC21 for completion.

Cumulative target to end of Year 3 = 3
Cumulative achieved at end of Year 3 = 5

Crescent Link, previously meant to achieve Beneficial Use in Year 2 (2022/23), was completed in Year 3 along with the acceleration of Killyhevlin to Cavanacross.

Beltoy & Unagh Trunkmain achieved Beneficial Use in Year 3 (2023/24) of the programme. This project was added as a nominated output via change control, and accelerated in place of Carmoney to Strabane Trunkmain which was originally intended for delivery in Year 6 due to Beltoy & Unagh being an area of high demand. Carmoney to Strabane Trunkmain is now anticipated for delivery in Year 2 of PC27 (2028/29).

The confidence grade for this line was assessed as A1: this is based on review of CPMR approvals and financial details contained within CPMR.

**Trunk Mains Delivered During the Third Year of PC21 - AIR24 Period**

| Project Name | Project Code | Beneficial Use Date | Comments |
|---|---|---|---|
| Cresent Link | JL807 | 09/05/2023 | |
| Killyhevlin to Cavanacross | JP702 | 15/02/2024 | |
| Beltoy & Unagh | JI212 | 27/03/2024 | Added in Nov 22 by Output Review Group (ORG) |

### Table 11, Line 23 - Completion of nominated water treatment works schemes

Within Sub-programme 04, the PC21 Final Determination indicated a target of 22 water treatment work schemes for the 6-year period with 6 of these profiled for delivery in 2023/24. As of Year 3 (2023/24), 2 water treatment works initially planned to achieve Beneficial Use in PC21, have been extended into the first year of PC27.

Cumulative target to end of Year 3 = 7
Cumulative achieved at end of Year 3 = 7 (5 PC21 schemes delivered against a target of 7, and 2 PC15 schemes).

Carmoney and Drumaroad Treatability Improvement projects achieved Beneficial Use in Year 3 (2023/24) of the programme.

Altnahinch Treatability Improvements project achieved Beneficial Use in Year 3 (2023/24) of the programme, one year prior to the Year 4 (2024/25) target.

The confidence grade for this line was determined using the reporting guidance and was assessed as A1 following review of CPMR approvals and financial details contained within CPMR.

**WTWs Delivered During the Third Year of PC21 - AIR24 Period**

| Project Name | Project Code | Beneficial Use Date | Comments |
|---|---|---|---|
| Carmoney Treatability Improvements | JL814 | 31/05/2023 | |
| Drumaroad Treatability Improvements | JS328 | 29/09/2023 | |
| Altnahinch Treatability Improvements | JA330 | 25/03/2024 | |

**Table 11, Line 24 - Completion of nominated improvements to increase the capacity of service reservoirs and clear water tanks**

Within Sub-programme 06, the PC21 Final Determination indicated a target of 4 service reservoirs and clear water tank improvements for the 6-year period with none of these profiled for delivery in 2023/24. 2 clear water tank projects achieved Beneficial Use in Year 3 (2023/24) of the programme, exceeding the PC21 FD target.

Cumulative target to end of Year 3 = 1
Cumulative achieved at end of Year 3 = 3

The confidence was assessed as A1 following review of CPMR approvals and financial details contained within CPMR.

**SRs and CWTs Delivered During the Third Year of PC21 - AIR24 Period**

| Project Name | Project Code | Beneficial Use Date | Comments |
|---|---|---|---|
| Fofanny CWT | JS308 | 05/10/2023 | |
| Seagahan CWT | JF615 | 06/03/2024 | |

**Sewerage Service Activities**

Includes Table 16 Outputs.

Currently the UID programme reflects the submission made for the PC21 Business Plan with the addition of any PC15 UIDs which were not delivered prior to commencing PC21. As a result of the Scope Certainty exercise NI Water anticipated this and a Change Control was facilitated via the PC21 Mid Term Review which set out all of the intended UIDs for delivery within PC21. NIEA were engaged via the PC21 MTR process (and the NIEA/NIW Wastewater Investment Group) as well as the UR to ensure delivery of the correct solutions for Northern Ireland.

**Table 16, Line 26 - Delivery of improvements to nominated UIDs as part of a defined programme of work**

Within Sub-programme 12, NI Water has established the process for the identification, monitoring and review of UIDs. This included linking CAR and FD identifiers, developing CPMR to hold all relevant UID information and introducing review steps for all potential UIDs identified. In addition, NIEA have full visibility of the programme and sign off individual outputs within overall schemes: consequently, UIDs are claimed on a rolling basis rather than waiting for overall scheme completion.

The PC21 Final Determination indicated a target of 139 UID improvements for the 6-year period with 23 of these profiled for delivery in 2023/24. 5 FD nominated outputs were delivered between 01 April 2023 and 31 March 2024 with the remaining projected UIDs not delivered split across the remaining years of PC21. 35 UIDs initially planned to achieve Beneficial Use in PC21, have been extended into the first 4 years of PC27.

Cumulative target to end of Year 3 = 52
Cumulative achieved at end of Year 3 = 12

As part of the Mid Term Review (MTR), NI Water's PC21 targets for UIDs are expected to reset due to scope certainty exercises carried out within the first two years of PC21.

NI Water has maintained improvements in the reporting process and the cross-checking process for this line which were initially implemented for the AIR14 submission. Improvements in the management of Beneficial Use dates were implemented in January 2016. For 2023/24, the confidence grade for this line was determined using the reporting guidance and assessed as A1 – based on sound, time specific data captured relevant to each individual UID.

**UIDs Delivered During the Third Year of PC21 - AIR24 Period**

| Catchment | UID Address | FD Ref. | Project ID | Comments | Operational Date |
|---|---|---|---|---|---|
| Cookstown WwTW | Derryloran Industrial Estate One WwPS | IPAC2258 | KN688 | Upgraded | 12/04/2023 |
| Antrim WwTW | Neillsbrook WwPS | IPAC1066 | KA270 | Upgraded | 08/11/2023 |
| Carrickfergus WwTW | Carrickfergus Rodgers Quay WwPS | IPAC2768 | KB562 | Upgraded | 01/12/2023 |

| Catchment | UID Address | FD Ref. | Project ID | Comments | Operational Date |
|---|---|---|---|---|---|
| Portaferry WwTW | Portaferry One WwPS | IPAC1910 | KH009 | Upgraded | 12/02/2024 |
| Carrickfergus WwTW | Irish Quarter South | IPAC1987 | KB562 | Upgraded | 01/12/2023 |

**Non-Nominated UIDs Currently Undergoing Verification with NIEA - Delivered During the Third Year of PC21 - AIR24 Period**

| Catchment | UID Address | FD Ref. | Project ID | Comments | Operational Date |
|---|---|---|---|---|---|
| Greenisland WwTW | Greenisland Four WwPS | IPAC2773 | KR761 | Upgraded | 30/11/2023 |
| Greenisland WwTW | Greenisland Three WwPS | IPAC1684 | KR761 | Upgraded | 29/03/2024 |
| Seahill WwTW | Ballyrobert Road CSO | IPAC2780 | KR763 | Upgraded | 08/09/2023 |
| Seahill WwTW | Ben Vista Holywood WwPS | IPAC2778 | KR763 | Upgraded | 04/12/2023 |
| Seahill WwTW | Old Quay Court WwPS | IPAC2783 | KR763 | Upgraded | 04/12/2023 |
| Seahill WwTW | Cultra Avenue CSO | IPAC2784 | KR763 | Upgraded | 13/02/2024 |

18 of the UIDs were not delivered in 2023/24 due to reprofiling of the programme as a result of scope certainty exercises and further modelling work being undertaken – Examples include Faughan Crescent WwPS (1), Limavady DA (2), Knocknagoney Country Park Sewerage (1), and Brompton Park WwPS (1). As such, these 18 UIDs are expected for delivery across the remainder of PC21 (Years 4-6), as well as through the first half of PC27.

At the time of audit, only 2 of the 5 claimed UIDs in Year 3 (2023/24) had received NIEA sign off – Derryloran WwPS and Neillsbrook WwPS. However, sign off for the remaining 3 UIDs is expected imminently. Furthermore, the reasoning for the split in UID tables is due to the bottom table still awaiting ratification through the MTR. These 6 UIDs were included in the PC21 MTR Draft Determination however, until these are fully approved within the PC21 MTR Final Determination, they are still pending as nominated outputs.

**Table 16, Line 27 - Delivery of improvements to WwTW through nominated schemes as part of a defined programme of work**

Within Sub-programme 16, 3 WwTW nominated outputs were delivered between 01 April 2023 and 31 March 2024.

The PC21 Final Determination indicated a target of 45 wastewater treatment work schemes for the 6-year period with 16 of these profiled for delivery in 2023/24. As of Year 3 (2023/24), 10 wastewater treatment works initially planned to achieve Beneficial Use in PC21, have been extended into the first 4 years of PC27.

Cumulative target to end of Year 3 = 21
Cumulative achieved at end of Year 3 = 10

Changes to the definition of how Beneficial Use can be claimed on a WwTW project were agreed with the Regulator in 2018/19 to ensure a WwTW is capable of meeting the appropriate consent standard.

NI Water has maintained improvements in the reporting process and the cross-checking process for this line which were initially implemented for the AIR14 submission. Improvements in the management of Beneficial Use dates were implemented in January 2016. For 2023/24, the confidence grade for this line was determined using the reporting guidance and assessed as A1 – based on sound, time specific data captured relevant to each individual WwTW.

**WwTWs Delivered During the Third Year of PC21 - AIR24 Period**

| Project Name | Project Code | Beneficial Use Date | Comments |
|---|---|---|---|
| Derrycrin WwTW | KB551 | 17/11/2023 | |
| Pomeroy WwTW | KN681 | 15/03/2024 | |
| Mountfield WwTW | KN680 | 22/03/2024 | |

**Table 16, Line 28 - Investment in improvements to small wastewater treatment works as part of the Rural Wastewater Investment Programme.**

Within Sub-programme 17, 4 small rural schemes achieved beneficial use in 2023/24. Details of the actual works and year delivered are listed in the table below.

The PC21 FD Target for RWwIP outputs in each year is 6 with a total of 36 sites to be delivered in the PC period. NI Water still intends to deliver the full 36 sites however it is to be noted that the numbers to be delivered may be spread over the remaining years of PC21.

Cumulative target to end of Year 3 = 18
Cumulative achieved at end of Year 3 = 16

As with WwTW in Line 27, a change in how Beneficial Use may be claimed was agreed in 2018/19. After discussions with the Utility Regulator, it was accepted that in the case of the Rural Wastewater Investment Programme, achieving beneficial use should be based on evidenced delivery of improvement (e.g., improved discharge to the environment) which was not necessarily the date of NIEA sign-off.

Whilst Beneficial Use is not dependent on project sign-off by the relevant regulator, regulatory sign-off should be sought once the company determines that Beneficial Use has been obtained. If regulatory sign-off is declined, then the Beneficial Use date should be revised to take account of the additional work identified to achieve Beneficial Use.

At the time of Audit, samples were not yet available to confirm Beneficial Use could be claimed on all 4 sites listed in the table below, however in line with the UR guidance, sites where evidence exists before the time of company AIR submission may be claimed within the reporting year. As such Table 16 and 40a have been updated accordingly and NI Water will continue to review procedures to ensure timely reporting.

The confidence grades for this line were determined using the reporting guidance and were assessed as A1, based on the evidence within the methodology and the visibility of programme as defined within the ‘Project Sites’ section on CPMR.

**RWwIP Schemes Delivered During the Third Year of PC21 - AIR24 Period**

| CAR Site Reference | Project title | Year claimed |
|---|---|---|
| S02578 | Eglish Armagh WwTW | 2023/24 |
| S01158 | Lisnamuck Coleraine WwTW | 2023/24 |
| S03230 | Tirquin WwTW | 2023/24 |
| S03235 | Tursallagh WwTW | 2023/24 |

**Table 16, Line 32 - Number of sustainable WwTW solutions delivered (p.e. ≥ 250)**

No WwTW sustainable solutions with a p.e. greater than 250 were delivered in 2023/24.

**Table 16, Line 33 - Number of sustainable WwTW solutions delivered (p.e. < 250)**

No WwTW sustainable solutions with a p.e. less than 250 were delivered in 2023/24.

**Table 16, Line 34 - Number of current Economic Constraint Areas removed by PC21 investment**

0 Economic Constraint Area were eased in 2023/24. However, positive planning responses are provided by NI Water to Developers due to the ongoing construction works in a number of catchments.

**Table 16, Line 35 - Number of current Serious Development Restrictions removed by PC21 investment**

2 Serious Development Restrictions were eased in 2023/24 – Derrycrin and Pomeroy.

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

**ANNUAL INFORMATION RETURN - TABLE 40b CAPITAL INVESTMENT**
**DELIVERY OF DAPs AND INTEGRATED ENVIRONMENTAL MODELLING**

| Drainage Area Plans and Integrated Environmental Modelling | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | | | B | | C | | D | | | | E | | | F | | G | H | I | J |
| DAP Information | | | Model Build Report Dates | | Needs and Options Report Dates | | Integrated Environmental Modelling (IEM) Dates | | | | DAP Information | | | IEM Information | | | IEM Information | | |
| DAP reference (linked to Table 40) | DAP Name | Population Served | Baseline Model Build Report Completion Date | Current Actual or Projected Model Build Report Completion Date | Baseline Needs and Options Report Completion Date | Current Actual or Projected Needs and Options Report Completion Date | IEM reference (linked to Table 40) | IEM Name | Baseline IEM Completion Date | Current Actual or Projected IEM Completion Date | Current Stage of DAP | DAP Model | DAP Consultant | IEM Model | IEM Consultant | | Current Stage of IEM | DAP - IEM linkage | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| DAP_ID | DAP_Name | DAP_Pop | DAP_MBR_BL_Sub_Date | DAP_MBR_CAP_Sub_Date | DAP_NOR_BL_Sub_Date | DAP_NOR_CAP_Sub_Date | IEM_ID | IEM_Name | IEM_BL_Sub_Date | EM_CAP_Sub_Date | Select DAP Stage from Dropdown | DAP Model | DAP Consultant | Select IEM Model from Dropdown | IEM Consultant | Comments | Select IEM Stage from Dropdown | Select IEM linkage from Dropdown | No. of Assets |
| DA0001 | Moorfields DA | 271 | Jul-23 | Jul-23 | | | IEM14 | Maine | Sep-23 | Aug-24 | Rurals Model Build Handover Complete | Historical Rurals | Atkins | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0002 | Belfast DA | 494,823 | Mar-21 | Mar-21 | Apr-23 | Dec-23 | IEM11 | Belfast | Dec-22 | Mar-24 | Stage 4 - Interventions | PC21 link | Atkins | Shellfish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | IEM DAP Pollutograph Output | 126 |
| DA0003 | Whitehouse DA | 111,106 | Dec-15 | Dec-15 | Mar-21 | Mar-21 | IEM11 | Belfast | Dec-22 | Mar-24 | Stage 5 - Modelling Support | PC21 link | Atkins | Shel fish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | IEM DAP Pollutograph Output | 26 |
| DA0004 | Greenisland DA | 13,501 | Sep-18 | Sep-18 | Oct-21 | Oct-21 | IEM11 | Belfast | Dec-22 | Mar-24 | Stage 5 - Modelling Support | PC21 link | Atkins | Shel fish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | IEM DAP Pollutograph Output | 9 |
| DA0005 | Carrickfergus DA | 31,523 | Aug-16 | Aug-16 | Jun-20 | Jun-20 | IEM11 | Belfast | Dec-22 | Mar-24 | DAP Stage 5 Complete | PC21 link | Atkins | Shel fish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | IEM DAP Pollutograph Output | 14 |
| DA0008 | Mullaghboy DA | 535 | Jul-23 | Jul-23 | | | IEM02 | Larne | Mar-23 | Nov-23 | Rurals Model Build Handover Complete | Rurals | Atkins | Bathing Water & She lfish Compliance Model | Intertek | DA physically within IEM boundary howev | Stage 4 - Interventions | NMC Pollutograph Output | 3 |
| DA0009 | Ballylumford Cottages DA | 58 | | | | | IEM02 | Larne | Mar-23 | Nov-23 | No Planned Study | No Planned Study | No Planned | Bathing Water & She lfish Compliance Model | Intertek | DA physically within IEM boundary howev | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA0010 | Dunmurry DA | 51,227 | Nov-22 | Oct-23 | Nov-23 | | IEM11 | Belfast | Dec-22 | Mar-24 | Stage 2 - Model Build & Verification | PC27 | RPS | Shel fish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | 12 |
| DA0011 | Moss Road East DA | 62 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | TBC | |
| DA0012 | Drumhirk DA | 22 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | TBC | |
| DA0013 | Blackstaff DA | 34 | Apr-24 | Apr-24 | | | IEM06 | Strangford | Jun-23 | Jan-25 | Rurals Model Build | Rurals | Atkins | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | NMC Pollutograph Output | |
| DA0014 | Greyabbey DA | 1,208 | Aug-18 | Aug-18 | | | IEM06 | Strangford | Jun-23 | Jan-25 | Stage 4 - Interventions | Historical | Wood | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | LTV DAP Pollutograph Output | 2 |
| DA0015 | Ballylone Road DA | 0 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0016 | Kinnegar DA | 95,657 | Apr-21 | Apr-21 | Dec-22 | Jan-24 | IEM11 | Belfast | Dec-22 | Mar-24 | Stage 4 - Interventions | PC21 link | Atkins | Shellfish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | IEM DAP Pollutograph Output | 89 |
| DA0017 | Ballyrickard DA | 42,952 | Sep-19 | Sep-19 | Nov-21 | Apr-23 | IEM06 | Strangford | Jun-23 | Jan-25 | DAP Stage 4 Handover Complete | PC21 link | Atkins | Shellfish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | LTV DAP Pollutograph Output | 63 |
| DA0019 | Lisowen DA | 52 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | TBC | 1 |
| DA0020 | Braeside Cottages DA | 19 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0021 | Ballygarvigan DA | 37 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0022 | Newcastle DA | 17,445 | May-22 | Aug-23 | Mar-23 | Jun-23 | IEM03 | Newcastle | Dec-22 | Nov-23 | DAP Stage 4 Handover Complete | PC21 link | RPS | Bathing Water & River WFD Model | Intertek | Newcastle IEM Project elements uploade | Stage 4 - Interventions | IEM DAP Pollutograph Output | 17 |
| DA0023 | Glassdrummond Saintfield DA | 22 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | TBC | |
| DA0024 | Craignasasonagh DA | 15 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shellfish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA0025 | The Demesne DA | 5 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | TBC | |
| DA0026 | Saintfield DA | 5,422 | Jun-20 | Jun-20 | Jun-23 | Apr-24 | IEM06 | Strangford | Jun-23 | Jan-25 | Stage 4 - Interventions | | Atkins | Shellfish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | LTV DAP Pollutograph Output | 9 |
| DA0027 | Killyleagh DA | 6,792 | Aug-20 | Aug-20 | Jan-21 | Jan-21 | IEM06 | Strangford | Jun-23 | Jan-25 | DAP Stage 5 Complete | Historical | WSP | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | LTV DAP Pollutograph Output | 13 |
| DA0028 | Ballytrim DA | 33 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | TBC | |
| DA0029 | Bar Hall DA | 24 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | TBC | |
| DA0030 | Clanabogan South DA | 16 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 1 |
| DA0031 | Drumaness DA | 2,649 | Apr-14 | Apr-14 | Nov-23 | Nov-23 | IEM06 | Strangford | Jun-23 | Jan-25 | DAP not issued yet | PC27 | TBC | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | NMC Pollutograph Output | 10 |
| DA0032 | Annacloy DA | 891 | Jul-23 | Jul-23 | | | IEM06 | Strangford | Jun-23 | Jan-25 | Rurals Model Build Handover Complete | Rurals | Atkins | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | NMC Pollutograph Output | 4 |
| DA0033 | Strangford DA | 1,231 | Sep-21 | Sep-21 | | | IEM06 | Strangford | Jun-23 | Jan-25 | Stage 2 - Handover Complete | | RPS | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | NMC Pollutograph Output | 6 |
| DA0034 | Annalong DA | 3,387 | Jun-20 | Jun-20 | Nov-23 | Nov-23 | IEM08 | Carlingford | Dec-22 | Feb-24 | Stage 5 - Modelling Support | Historical | Atkins | Shel fish Compliance & River WFD Model | Intertek | Carlingford IEM Project elements uploade | Stage 4 - Interventions | IEM DAP Pollutograph Output | 4 |
| DA0035 | Mullaghglass Lisburn DA | 197 | Apr-24 | Apr-24 | | | IEM11 | Belfast | Dec-22 | Mar-24 | Rurals Model Build | Rurals | Atkins | Shel fish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | 1 |
| DA0036 | Dundrod DA | 210 | Oct-22 | Oct-22 | | | IEM21 | Crumlin | | | Rurals Model Build Handover Complete | Rurals | RPS | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 2 |
| DA0037 | Edenderry DA | 376 | Jul-23 | Jul-23 | | | IEM11 | Belfast | Dec-22 | Mar-24 | Rurals Model Build Handover Complete | Historical Rurals | Atkins | Shel fish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | 2 |
| DA0040 | Ballynahinch DA | 8,192 | Mar-22 | Mar-22 | Apr-23 | Mar-23 | IEM06 | Strangford | Jun-23 | Jan-25 | Stage 5 - Modelling Support | PC21 link | Atkins | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | LTV DAP Pollutograph Output | 11 |
| DA0044 | Ferris Bay DA | 12 | | | | | IEM02 | Larne | Mar-23 | Nov-23 | No Planned Study | No Planned Study | No Planned | Bathing Water & She lfish Compliance Model | Intertek | DA physically within IEM boundary howev | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA0046 | Stoneyford DA | 707 | Apr-24 | Apr-24 | | | IEM17 | Upper Bann | | | Rurals Model Build | Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA0047 | Ballynadolly DA | 140 | Oct-22 | Oct-22 | | | IEM17 | Upper Bann | | | Rurals Model Build Handover Complete | Rurals | RPS | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA0048 | Glenavy Road DA | 6 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shellfish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA0049 | Ravernet DA | 642 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shellfish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | 1 |
| DA0051 | Annahilt DA | 1,847 | Apr-22 | Mar-23 | Aug-23 | | IEM06 | Strangford | Jun-23 | Jan-25 | Stage 3 - Risks | PC27 | Atkins | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | IEM DAP Pollutograph Output | 5 |
| DA0052 | Ballymiscaw Road DA | 9 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | TBC | |
| DA0053 | Ballykeel Cottages DA | 16 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | TBC | |
| DA0054 | North Down DA (Millisle) | | Sep-21 | Sep-21 | Sep-22 | Dec-23 | IEM07 | Ards | | | DAP Stage 4 Handover Complete | PC27 | Atkins | Bathing Water & River WFD Model | Paused | | Paused | TBC | |
| DA0054 | North Down DA (Donaghadee) | | Sep-21 | Jan-23 | Sep-22 | Apr-24 | IEM07 | Ards | | | Stage 3 - Risks | PC27 | Atkins | Bathing Water & River WFD Model | Paused | | Paused | TBC | |
| DA0054 | North Down DA (Bangor) | 63,970 | Sep-21 | Sep-21 | Sep-22 | Dec-23 | IEM07 | Ards | | | Enhanced DAP | PC27 | Atkins | Bathing Water & River WFD Model | Paused | | Paused | TBC | 72 |
| DA0057 | Kilkeel DA | 15,183 | Apr-21 | Apr-21 | Jan-22 | Jan-22 | IEM08 | Carlingford | Dec-22 | Feb-24 | Stage 5 - Modelling Support | PC21 link | Atkins | Shel fish Compliance & River WFD Model | Intertek | Carlingford IEM Project elements uploade | Stage 4 - Interventions | IEM DAP Pollutograph Output | 17 |
| DA0060 | Glasdrumman Annalong DA | 344 | Jul-23 | Jul-23 | | | IEM03 | Newcastle | Dec-22 | Nov-23 | Rurals Model Build Handover Complete | Rurals | Atkins | Bathing Water & River WFD Model | Intertek | DA physically within IEM boundary howev | Stage 4 - Interventions | NMC Pollutograph Output | 3 |
| DA0063 | Dundrum DA | 2,295 | Dec-18 | Dec-18 | Jan-23 | Nov-23 | IEM01 | Dundrum | Dec-22 | Dec-22 | Stage 5 - Modelling Support | PC21 link | Atkins | Shel fish Water Compliance Model | AFBI | Not standard DAP | Stage 5 - Modelling Support | LTV DAP Pollutograph Output | 9 |
| DA0064 | Ballykinler DA | 1,655 | | | Nov-23 | Nov-23 | IEM01 | Dundrum | Dec-22 | Dec-22 | | PC27 | No Planned | Shel fish Water Compliance Model | AFBI | | Stage 5 - Modelling Support | TBC | 1 |
| DA0066 | Clough DA | 1,136 | Jun-22 | Feb-23 | Jun-23 | | IEM01 | Dundrum | Dec-22 | Dec-22 | Stage 2 - Handover Complete | PC27 | WSP | Shel fish Water Compliance Model | AFBI | Fast track Options | Stage 5 - Modelling Support | LTV DAP Pollutograph Output | 5 |
| DA0067 | Killough DA | 1,283 | Sep-21 | Sep-21 | | | IEM06 | Strangford | Jun-23 | Jan-25 | Stage 2 - Handover Complete | | RPS | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | LTV DAP Pollutograph Output | 4 |
| DA0068 | Coneyisland DA | 104 | Jul-23 | Jul-23 | | | IEM06 | Strangford | Jun-23 | Jan-25 | Rurals Model Build Handover Complete | Historical Rurals | Atkins | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | NMC Pollutograph Output | 1 |
| DA0069 | Ardglass DA | 2,441 | Apr-22 | Oct-22 | Jun-23 | | IEM06 | Strangford | Jun-23 | Jan-25 | Stage 4 - Interventions | PC21 link | Atkins | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | IEM DAP Pollutograph Output | 7 |
| DA0070 | Ballyhoran DA | 690 | Jul-23 | Jul-23 | | | IEM06 | Strangford | Jun-23 | Jan-25 | Rurals Model Build Handover Complete | Rurals | Atkins | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | NMC Pollutograph Output | 3 |
| DA0073 | Loughinisland DA | 205 | | | | | IEM01 | Dundrum | Dec-22 | Dec-22 | No Planned Study | No Planned Study | No Planned | Shel fish Water Compliance Model | AFBI | | Stage 5 - Modelling Support | TBC | 1 |
| DA0075 | Bells Hill DA | 19 | Oct-22 | Oct-22 | | | IEM06 | Strangford | Jun-23 | Jan-25 | Rurals Model Build Handover Complete | Rurals | RPS | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | TBC | |
| DA0076 | Moneyreagh DA | 2,384 | | | Nov-23 | Nov-23 | IEM06 | Strangford | Jun-23 | Jan-25 | Stage 2 - Handover Complete | Historical | Atkins | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | IEM DAP Pollutograph Output | 6 |
| DA0077 | Drumlough DA | 116 | Oct-22 | Oct-22 | | | IEM11 | Belfast | Dec-22 | Mar-24 | Rurals Model Build Handover Complete | Rurals | RPS | Shel fish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | 1 |
| DA0078 | Dromara DA | 1,525 | Sep-23 | Jul-23 | Sep-24 | | IEM11 | Belfast | Dec-22 | Mar-24 | Rurals Model Build Handover Complete | PC27 | Atkins | Shel fish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | 4 |
| DA0079 | Loughries DA | 280 | Jul-23 | Jul-23 | | | IEM06 | Strangford | Jun-23 | Jan-25 | Rurals Model Build Handover Complete | Historical Rurals | Atkins | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | NMC Pollutograph Output | 2 |
| DA0080 | Drumbeg DA | 1,877 | Jan-23 | | Jan-24 | | IEM11 | Belfast | Dec-22 | Mar-24 | DAP not issued yet | PC27 | TBC | Shel fish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | 4 |
| DA0081 | Seahill DA | 6,863 | | | Mar-22 | Mar-22 | IEM11 | Belfast | Dec-22 | Mar-24 | DAP Stage 4 Handover Complete | | Atkins | Shel fish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | IEM DAP Pollutograph Output | 18 |
| DA0082 | Cloughey DA | 1,563 | Sep-21 | Sep-21 | | | IEM06 | Strangford | Jun-23 | Jan-25 | Stage 2 - Handover Complete | | RPS | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | NMC Pollutograph Output | 5 |
| DA0085 | Carrowdore DA | 0 | Jul-23 | Jul-23 | | | IEM07 | Ards | | | Rurals Model Build Handover Complete | Historical Rurals | Atkins | Bathing Water & River WFD Model | Paused | | Paused | TBC | |
| DA0086 | Ballywalter DA | 0 | Dec-21 | Dec-21 | Aug-22 | Jan-23 | IEM07 | Ards | | | DAP Stage 4 Handover Complete | PC21 link | RPS | Bathing Water & River WFD Model | Paused | | Paused | TBC | |
| DA0087 | Ballyha bert DA | 5,905 | Jan-24 | | Jan-25 | | IEM06 | Strangford | Jun-23 | Jan-25 | DAP not issued yet | PC27 | TBC | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | NMC Pollutograph Output | 16 |
| DA0088 | Portaferry DA | 3,687 | Nov-21 | Nov-21 | Aug-22 | Jan-23 | IEM06 | Strangford | Jun-23 | Jan-25 | DAP Stage 4 Handover Complete | PC21 link | RPS | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | IEM DAP Pollutograph Output | 3 |
| DA0089 | Craigaroddan Road DA | 8 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0090 | Kearney DA | 54 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0091 | Ballycranbeg DA | 362 | Jul-23 | Jul-23 | | | IEM06 | Strangford | Jun-23 | Jan-25 | Rurals Model Build Handover Complete | Rurals | Atkins | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | 3 |
| DA0092 | Kircubbin DA | 1,717 | Nov-21 | Nov-21 | Feb-23 | Apr-23 | IEM06 | Strangford | Jun-23 | Jan-25 | Stage 5 - Modelling Support | PC21 link | Atkins | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | IEM DAP Pollutograph Output | 6 |
| DA0094 | Killinchy DA | 3,102 | Dec-20 | Dec-20 | Oct-21 | Dec-21 | IEM06 | Strangford | Jun-23 | Jan-25 | DAP Stage 4 Handover Complete | PC21 link | Atkins | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | LTV DAP Pollutograph Output | 8 |
| DA0095 | Ballygowan DA | 3,542 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | Stage 2 - Handover Complete | Historical | Atkins | Shellfish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | IEM DAP Pollutograph Output | 4 |
| DA0097 | Ringneill DA | 745 | Jul-23 | Jul-23 | | | IEM06 | Strangford | Jun-23 | Jan-25 | Rurals Model Build Handover Complete | Historical Rurals | Atkins | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | NMC Pollutograph Output | 4 |
| DA0099 | Murdocks Lane DA | 16 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shellfish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA0100 | Movilla Road DA | 8 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0101 | Ballywhiskin DA | 0 | Jul-23 | Jul-23 | | | IEM07 | Ards | | | Rurals Model Build Handover Complete | Historical Rurals | Atkins | Bathing Water & River WFD Model | Paused | | Paused | TBC | |
| DA0102 | Woburn Road DA | 10 | | | | | IEM07 | Ards | | | No Planned Study | No Planned Study | No Planned | Bathing Water & River WFD Model | Paused | | Paused | TBC | |
| DA0103 | Portaferry Road DA | 5 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0104 | Ballyrainey Road DA | 5 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0105 | Whitechurch Road DA | 12 | | | | | IEM07 | Ards | | | No Planned Study | No Planned Study | No Planned | Bathing Water & River WFD Model | Paused | | Paused | TBC | |

| A | | | B | | C | | D | | | | E | | | F | | G | H | I | J |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAP Information | | | Model Build Report Dates | | Needs and Options Report Dates | | Integrated Environmental Modelling (IEM) Dates | | | | DAP Information | | | IEM Information | | | IEM Information | | |
| DAP reference (linked to Table 40) | DAP Name | Population Served | Baseline Model Build Report Completion Date | Current Actual or Projected Model Build Report Completion Date | Baseline Needs and Options Report Completion Date | Current Actual or Projected Needs and Options Report Completion Date | IEM reference (linked to Table 40) | IEM Name | Baseline IEM Completion Date | Current Actual or Projected IEM Completion Date | Current Stage of DAP | DAP Model | DAP Consultant | IEM Model | IEM Consultant | | Current Stage of IEM | DAP - IEM linkage | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| DAP_ID | DAP_Name | DAP_Pop | DAP_MBR_BL_Sub_Date | DAP_MBR_CAP_Sub_Date | DAP_NOR_BL_Sub_Date | DAP_NOR_CAP_Sub_Date | IEM_ID | IEM_Name | IEM_BL_Sub_Date | EM_CAP_Sub_Date | Select DAP Stage from Dropdown | DAP Model | DAP Consultant | Select IEM Model from Dropdown | IEM Consultant | Comments | Select IEM Stage from Dropdown | Select IEM linkage from Dropdown | No. of Assets |
| DA0106 | Three Sisters DA | 14 | | | | | IEM07 | Ards | | | No Planned Study | No Planned Study | No Planned | Bathing Water & River WFD Model | Paused | | Paused | TBC | |
| DA0107 | Ballycreely Road DA | 14 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0108 | Tullyhubbert Road DA | 11 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0109 | Inishargy Road Church DA | 25 | | | | | IEM07 | Ards | | | No Planned Study | No Planned Study | No Planned | Bathing Water & River WFD Model | Paused | | Paused | TBC | |
| DA0110 | Tubber Road DA | 11 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0111 | Ballygowan Road Ballygowan North DA | 5 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0112 | Ravara Road DA | 19 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0113 | Ballycairn DA | 41 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA0114 | Kilmood DA | 194 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | NMC Pollutograph Output | 2 |
| DA0115 | Lisbarnet Road DA | 10 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0117 | Drumreagh Road DA | 5 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0118 | Craigarusky Road Kil inchy DA | 8 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0119 | Ballyfrench Road DA | 5 | | | | | IEM07 | Ards | | | No Planned Study | No Planned Study | No Planned | Bathing Water & River WFD Model | Paused | | Paused | TBC | |
| DA0120 | Ballyeasborough Road DA | 10 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | NMC Pollutograph Output | |
| DA0121 | Kilcarn Road DA | 0 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0122 | Carricknaveagh DA | 11 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA0123 | Drumaroad DA | 218 | Oct-22 | Oct-22 | | | IEM01 | Dundrum | Dec-22 | Dec-22 | Rurals Model Build Handover Complete | Rurals | RPS | Shel fish Water Compliance Model | AFBI | | Stage 5 - Modelling Support | TBC | 2 |
| DA0124 | Ballybarnes Road DA | 5 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0126 | Inishargy Road East DA | 5 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0127 | Quarter Road DA | 8 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0128 | Main Road Cloughey DA | 13 | | | | | IEM07 | Ards | | | No Planned Study | No Planned Study | No Planned | Bathing Water & River WFD Model | Paused | | Paused | TBC | |
| DA0129 | Ballydrain Road DA | 7 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0130 | Belleek Newry DA | 461 | Jul-23 | Jul-23 | | | IEM17 | Upper Bann | | | Rurals Model Build Handover Complete | Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 2 |
| DA0131 | Lisburn DA | 74,336 | Jan-23 | Nov-23 | May-24 | Nov-24 | IEM11 | Belfast | Dec-22 | Mar-24 | Stage 3 - Risks | PC27 | Atkins | Shel fish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | 43 |
| DA0132 | Newtownbreda DA | 37,050 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | Stage 5 - Modelling Support | Historical | Atkins | Shellfish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | 16 |
| DA0134 | Annsborough DA | 6,274 | Jun-22 | Jan-23 | Oct-22 | Sep-23 | IEM01 | Dundrum | Dec-22 | Dec-22 | Stage 5 - Modelling Support | PC21 link | WSP | Shel fish Water Compliance Model | AFBI | | Stage 5 - Modelling Support | LTV DAP Pollutograph Output | 9 |
| DA0135 | St James DA | 187 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shellfish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA0136 | Bresagh DA | 33 | Oct-22 | Oct-22 | | | IEM11 | Belfast | Dec-22 | Mar-24 | Rurals Model Build Handover Complete | Rurals | RPS | Shel fish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | 1 |
| DA0137 | Downpatrick DA | 18,968 | Apr-20 | Apr-20 | Apr-21 | Apr-21 | IEM06 | Strangford | Jun-23 | Jan-25 | Stage 5 - Modelling Support | PC21 link | WSP | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | LTV DAP Pollutograph Output | 19 |
| DA0138 | Donard View DA | 27 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0139 | Lessans DA | 18 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0140 | Thorney Glen DA | 46 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | 1 |
| DA0141 | Carrigenagh DA | 11 | | | | | IEM03 | Newcastle | Dec-22 | Nov-23 | No Planned Study | No Planned Study | No Planned | Bathing Water & River WFD Model | Intertek | DA physically within IEM boundary howev | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA0142 | Ballygowan Road Comber DA | 14 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0143 | Clattering Ford DA | 7 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0145 | Banbridge DA | 24,331 | Dec-22 | Jun-24 | Dec-23 | | IEM17 | Upper Bann | | | Stage 2 - Model Build & Verification | PC27 | WSP | No Planned Study | No Planned Study | No Planned Study | No Planned Study | No Planned Study | 24 |
| DA0147 | Ballymoyer DA | 57 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0148 | Craigavon DA (Portadown) | | | | | | IEM17 | Upper Bann | | | Model Maintenance | Historical | WSP | No Planned Study | No Planned Study | Lurgan - In Progress | No Planned Study | No Planned Study | |
| DA0148 | Craigavon DA (Lurgan) | | Nov-22 | May-24 | Nov-23 | | IEM11 | Belfast | Dec-22 | Mar-24 | Stage 2 - Model Build & Verification | PC21 link | RPS (Lurgar | Shellfish Compliance & River WFD Model | AFBI and Longline Environmental (LL | Lurgan - In Progress | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA0148 | Craigavon DA (Craigavon) | 120,089 | | | | | IEM17 | Upper Bann | | | Stage 1 - Catchment Planning | | WSP | No Planned Study | No Planned Study | Planning | No Planned Study | No Planned Study | 69 |
| DA0149 | Bankside Shinney New DA | 59 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | 1 |
| DA0150 | Beech Hill Newry DA | 54 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | 1 |
| DA0151 | Ashfield Dromore DA | 34 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shellfish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA0153 | Aghalee DA | 1,228 | Oct-22 | Oct-22 | | | IEM17 | Upper Bann | | | Rurals Model Build Handover Complete | PC27 | RPS | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 3 |
| DA0154 | Balleevy DA | 11 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0155 | Charlestown DA | 76 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA0156 | Clarehill Road DA | 11 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shellfish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA0157 | Blacksku l DA | 431 | Oct-22 | Oct-22 | | | IEM11 | Belfast | Dec-22 | Mar-24 | Rurals Model Build Handover Complete | Rurals | RPS | Shel fish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | 3 |
| DA0158 | Meigh DA | 1,203 | Apr-24 | Apr-24 | | | Not in IEM Catchment | Not in IEM Catchment | | | Rurals Model Build | Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 3 |
| DA0159 | Waringstown DA | 6,978 | Jul-22 | Dec-22 | Aug-23 | Feb-24 | IEM11 | Belfast | Dec-22 | Mar-24 | Stage 4 - Interventions | PC21 link | Atkins | Shel fish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | 14 |
| DA0160 | Knocknarea DA | 15 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shellfish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA0161 | Parkstown DA | 15 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0163 | Monte th Annaclone DA | 268 | Apr-24 | Apr-24 | | | IEM17 | Upper Bann | | | Rurals Model Build | Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 3 |
| DA0165 | Armagh Road Derrywilligan DA | 9 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | |
| DA0167 | Armagh Road Glassdrummond DA | 6 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | |
| DA0170 | Acton DA | 84 | Oct-22 | Oct-22 | | | IEM08 | Carlingford | | | Rurals Model Build Handover Complete | Rurals | RPS | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | 1 |
| DA0171 | Aghagallon DA | 1,420 | Oct-22 | Oct-22 | | | IEM17 | Upper Bann | | | Rurals Model Build Handover Complete | PC27 | RPS | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 4 |
| DA0172 | Anville Crescent DA | 41 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0173 | Robinsonstown DA | 532 | Jul-23 | Jul-23 | | | IEM17 | Upper Bann | | | Rurals Model Build Handover Complete | Historical Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 2 |
| DA0174 | Armagh Road Church DA | 9 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | 1 |
| DA0175 | Goragh Road DA | 0 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | |
| DA0176 | Whitegate Road Ba lyroney DA | 11 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0177 | Manse Road Ballyward DA | 14 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0178 | Mount Ida Rd Dromore DA | 5 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shellfish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA0179 | Rathfriland Road Droma DA | 0 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shellfish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA0180 | Ringsend Road Banbridge DA | 8 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | No Planned Study | No Planned Study | No Planned Study | |
| DA0181 | Lisnagade Road DA | 14 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | 1 |
| DA0182 | The Skeagh Moneyslane DA | 5 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0183 | Diamond Road Dromore DA | 14 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shellfish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | 1 |
| DA0184 | Sentry Box Road DA | 3 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0185 | Katesbridge DA | 131 | Oct-22 | Oct-22 | | | IEM17 | Upper Bann | | | Rurals Model Build Handover Complete | Rurals | RPS | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 3 |
| DA0187 | Ballykelly Craigavon DA | 20 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shellfish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA0188 | Lake View DA | 0 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | |
| DA0189 | Portadown Road Tandragee DA | 8 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0190 | Rosevale Road DA | 10 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | |
| DA0191 | Liscorran Rd DA | 6 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0192 | Ballyvannon Road DA | 0 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0193 | Dougan Place DA | 30 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shellfish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | 1 |
| DA0194 | Ballyward DA | 3 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA0195 | Warrenpoint DA | 16,234 | Jan-19 | | Apr-23 | | IEM08 | Carlingford | Dec-22 | Feb-24 | Stage 2 - Model Build & Verification | PC21 link | RPS | Shel fish Compliance & River WFD Model | Intertek | Carlingford IEM Project elements uploade | Stage 4 - Interventions | IEM DAP Pollutograph Output | 15 |
| DA0197 | Katesbridge Road DA | 15 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0198 | Castlevennon DA | 6 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0199 | Aughnava log DA | 33 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA0200 | Ballybrick Road DA | 16 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0201 | Ballymore Road Tandragee DA | 13 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0203 | Ballyvarley Banbridge DA | 16 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | DA physically within IEM boundary howev | No Planned Study | No Planned Study | |
| DA0204 | Knock Terrace Rathfriland DA | 33 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | 1 |
| DA0205 | Castlevennon Rd DA | 3 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0206 | Dromara Road Ballyroney DA | 8 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |

| A | | | B | | C | | D | | | | E | | | F | | G | H | I | J |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAP Information | | | Model Build Report Dates | | Needs and Options Report Dates | | Integrated Environmental Modelling (IEM) Dates | | | | DAP Information | | | IEM Information | | | IEM Information | | |
| DAP reference (linked to Table 40) | DAP Name | Population Served | Baseline Model Build Report Completion Date | Current Actual or Projected Model Build Report Completion Date | Baseline Needs and Options Report Completion Date | Current Actual or Projected Needs and Options Report Completion Date | IEM reference (linked to Table 40) | IEM Name | Baseline IEM Completion Date | Current Actual or Projected IEM Completion Date | Current Stage of DAP | DAP Model | DAP Consultant | IEM Model | IEM Consultant | | Current Stage of IEM | DAP - IEM linkage | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| DAP_ID | DAP_Name | DAP_Pop | DAP_MBR_BL_Sub_Date | DAP_MBR_CAP_Sub_Date | DAP_NOR_BL_Sub_Date | DAP_NOR_CAP_Sub_Date | IEM_ID | IEM_Name | IEM_BL_Sub_Date | EM_CAP_Sub_Date | Select DAP Stage from Dropdown | DAP Model | DAP Consultant | Select IEM Model from Dropdown | IEM Consultant | Comments | Select IEM Stage from Dropdown | Select IEM linkage from Dropdown | No. of Assets |
| DA0207 | Drumaran Rd Gilford DA | 8 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0208 | Drumgooland Road Kilnamurry DA | 9 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0209 | Glenhead Rd Moneyslane DA | 11 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0210 | Hillhead Rd Katesbridge DA | 6 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0211 | Jennys Lane DA | 15 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shellfish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA0212 | Ballyroney Road Banbridge DA | 16 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0214 | Castor Bay DA | 35 | Oct-22 | Oct-22 | | | IEM17 | Upper Bann | | | Rurals Model Build Handover Complete | Rurals | RPS | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0215 | Drumilly Belleek DA | 59 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA0216 | Glasdrumman Crossmaglen DA | 195 | Apr-24 | Apr-24 | | | Not in IEM Catchment | Not in IEM Catchment | | | Rurals Model Build | Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 4 |
| DA0217 | Maytown Road Bessbrook DA | 6 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | 1 |
| DA0225 | Hazelbank DA | 23 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0230 | Newry DA | 93,088 | Feb-21 | Feb-21 | Nov-21 | Nov-22 | IEM08 | Carlingford | Dec-22 | Feb-24 | Stage 5 - Modelling Support | PC21 link | Atkins | Shel fish Compliance & River WFD Model | Intertek | Carlingford IEM Project elements uploade | Stage 4 - Interventions | IEM DAP Pollutograph Output | 31 |
| DA0232 | Carnally Road Silverbridge DA | 12 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0233 | Upper Ballinderry DA | 311 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 2 |
| DA0234 | Knocknagore DA | 17 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0235 | Mullahead Road Tandragee DA | 8 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0237 | Cross Lane North DA | 79 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shellfish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | 1 |
| DA0239 | Altnamackan DA | 29 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0240 | Dorsy DA | 49 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA0241 | Carrig Place DA | 18 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0242 | Derrymore DA | 349 | Jul-23 | Jul-23 | | | IEM17 | Upper Bann | | | Rurals Model Build Handover Complete | Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA0243 | Carneyhough Newry DA | 6 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | |
| DA0244 | Carran Hill Crossmaglen DA | 11 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0245 | Carrickrovaddy DA | 26 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 2 |
| DA0246 | Concession Road DA | 17 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0247 | Corrinure Mountnorris DA | 6 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0248 | Aughanduff Cottages DA | 15 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0249 | ONe ll Terrace DA | 31 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0250 | Ballsmill DA | 39 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0251 | Mountnorris DA | 989 | Jul-23 | Jul-23 | | | IEM17 | Upper Bann | | | Rurals Model Build Handover Complete | Historical Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 5 |
| DA0252 | McCandless Terrace DA | 34 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shellfish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | 1 |
| DA0254 | Soldierstown DA | 31 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 2 |
| DA0255 | Mi ltown Maghery DA | 111 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 2 |
| DA0256 | Moira DA | 6,541 | Jan-24 | | Jan-24 | | IEM11 | Belfast | Dec-22 | Mar-24 | Stage 1 - Catchment Planning | | WSP | Shel fish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | 6 |
| DA0257 | St Patrick Vi la DA | 25 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | |
| DA0258 | Moneyslane DA | 396 | Jul-23 | Jul-23 | | | IEM17 | Upper Bann | | | Rurals Model Build Handover Complete | Historical Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 2 |
| DA0259 | Tandragee DA | 10,708 | Feb-23 | Mar-24 | Feb-24 | | IEM17 | Upper Bann | | | Stage 2 - Model Build & Verification | PC27 | RPS | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 17 |
| DA0261 | Mossvale Terrace DA | 44 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shellfish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | 1 |
| DA0262 | Mountain View DA | 38 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | |
| DA0264 | Tartaraghan DA | 55 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA0266 | Mullaghglass Newry DA | 189 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | 2 |
| DA0267 | Saval More Cottages DA | 19 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | 2 |
| DA0268 | Waringsford Dromore DA | 243 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shellfish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | 1 |
| DA0271 | Mullaghmore DA | 115 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA0272 | Newtownhamilton DA | 1,569 | Jan-23 | | Jan-24 | | Not in IEM Catchment | Not in IEM Catchment | | | DAP not issued yet | PC27 | TBC | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 5 |
| DA0274 | Poyntzpass DA | 971 | Jul-23 | Jul-23 | | | IEM08 | Carlingford | Dec-22 | Feb-24 | Rurals Model Build Handover Complete | Historical Rurals | Atkins | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | 1 |
| DA0275 | Rathfriland DA | 3,974 | Jan-24 | | Dec-24 | | IEM08 | Carlingford | Dec-22 | Feb-24 | DAP not issued yet | PC27 | TBC | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | 8 |
| DA0277 | Lisnalea Mountnorris DA | 71 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 2 |
| DA0278 | Derrytrasna DA | 451 | Jul-23 | Jul-23 | | | IEM17 | Upper Bann | | | Rurals Model Build Handover Complete | Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA0279 | Gilford DA | 2,747 | Jan-24 | | Jan-25 | | IEM17 | Upper Bann | | | Stage 1 - Catchment Planning | PC27 | WSP | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 6 |
| DA0280 | Fourmile Donaghmore DA | 19 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | |
| DA0281 | Forkhi l DA | 1,829 | Jan-24 | | Dec-24 | | Not in IEM Catchment | Not in IEM Catchment | | | DAP not issued yet | PC27 | TBC | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 6 |
| DA0282 | Feumore DA | 98 | Oct-22 | Oct-22 | | | IEM17 | Upper Bann | | | Rurals Model Build Handover Complete | Rurals | RPS | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 2 |
| DA0283 | Edentiroory Ashfield DA | 10 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shellfish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA0284 | Drumintee DA | 353 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA0285 | Drumnaferry DA | 182 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shellfish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | 2 |
| DA0286 | Droneh ll Road Banbridge DA | 6 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0287 | Dromore Down DA | 8,175 | Jul-22 | Jul-22 | Feb-23 | Feb-24 | IEM11 | Belfast | Dec-22 | Mar-24 | DAP Stage 4 Handover Complete | PC21 link | Atkins | Shel fish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | 11 |
| DA0289 | Abbacy Road DA | 32 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | 1 |
| DA0291 | Derryhale DA | 1,070 | Jan-24 | | Dec-24 | | IEM05 | Blackwater | Oct-23 | Apr-25 | DAP not issued yet | PC27 | TBC | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 8 |
| DA0292 | Derryanvil DA | 11 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0293 | Cullyhanna DA | 507 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA0294 | Cullav lle DA | 323 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 2 |
| DA0296 | Crossmaglen DA | 3,315 | Sep-23 | | Sep-24 | | Not in IEM Catchment | Not in IEM Catchment | | | DAP not issued yet | PC27 | TBC | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 8 |
| DA0297 | Corgary Cottages DA | 19 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | |
| DA0298 | Corbracky Road DA | 11 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0299 | Diviny DA | 17 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 2 |
| DA0300 | Corbet Banbridge DA | 139 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA0301 | Dree Hill Road DA | 6 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shellfish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA0302 | Kinallen DA | 1,308 | Jan-24 | | Dec-24 | | IEM11 | Belfast | Dec-22 | Mar-24 | DAP not issued yet | PC27 | TBC | Shel fish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | 1 |
| DA0303 | Marlacoo DA | 29 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0304 | Maglion Terrace DA | 34 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | |
| DA0305 | Maghery DA | 276 | Jul-23 | Jul-23 | | | IEM05 | Blackwater | Oct-23 | Apr-25 | Rurals Model Build Handover Complete | Rurals | Atkins | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 2 |
| DA0307 | Maghaberry DA | 4,606 | Sep-22 | Mar-24 | Sep-23 | | IEM11 | Belfast | Dec-22 | Mar-24 | Stage 2 - Model Build & Verification | PC27 | RPS | Shel fish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | 4 |
| DA0308 | Lurganville DA | 96 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shellfish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | 1 |
| DA0309 | Lurganare DA | 427 | Jul-23 | Jul-23 | | | IEM08 | Carlingford | Dec-22 | Feb-24 | Rurals Model Build Handover Complete | Historical Rurals | Atkins | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | 2 |
| DA0310 | Lower Ballinderry DA | 1,046 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 2 |
| DA0311 | Locard Park DA | 138 | Apr-24 | Apr-24 | | | IEM17 | Upper Bann | | | Rurals Model Build | Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 2 |
| DA0312 | Legatirriff DA | 25 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0314 | Laurelvale Road DA | 11 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA0315 | Glenavy DA | 2,735 | Sep-23 | | Sep-24 | | IEM17 | Upper Bann | | | Stage 1 - Catchment Planning | | WSP | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 7 |
| DA0316 | Killysavan Poyntzpas DA | 25 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | |
| DA0317 | Kilcoo DA | 564 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 3 |
| DA0318 | Glen Vi las DA | 221 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | 1 |
| DA0319 | Jonesborough DA | 693 | Jul-23 | Jul-23 | | | Not in IEM Catchment | Not in IEM Catchment | | | Rurals Model Build Handover Complete | Historical Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA0320 | Jockeys Brae DA | 0 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | |
| DA0321 | Jerrettspass DA | 40 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | |
| DA0323 | Hilltown DA | 2,483 | Nov-22 | Nov-23 | Nov-23 | | IEM17 | Upper Bann | | | Stage 2 - Handover Complete | PC27 | WSP | No Planned Study | No Planned Study | Fast track Options | No Planned Study | No Planned Study | 4 |
| DA0324 | Greenan Loughbrickland DA | 14 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | |

| A | | | B | | C | | D | | | | E | | | F | | G | H | I | J |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAP Information | | | Model Build Report Dates | | Needs and Options Report Dates | | Integrated Environmental Modelling (IEM) Dates | | | | DAP Information | | | IEM Information | | | IEM Information | | |
| DAP reference (linked to Table 40) | DAP Name | Population Served | Baseline Model Build Report Completion Date | Current Actual or Projected Model Build Report Completion Date | Baseline Needs and Options Report Completion Date | Current Actual or Projected Needs and Options Report Completion Date | IEM reference (linked to Table 40) | IEM Name | Baseline IEM Completion Date | Current Actual or Projected IEM Completion Date | Current Stage of DAP | DAP Model | DAP Consultant | IEM Model | IEM Consultant | | Current Stage of IEM | DAP - IEM linkage | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| DAP_ID | DAP_Name | DAP_Pop | DAP_MBR_BL_Sub_Date | DAP_MBR_CAP_Sub_Date | DAP_NOR_BL_Sub_Date | DAP_NOR_CAP_Sub_Date | IEM_ID | IEM_Name | IEM_BL_Sub_Date | EM_CAP_Sub_Date | Select DAP Stage from Dropdown | DAP Model | DAP Consultant | Select IEM Model from Dropdown | IEM Consultant | Comments | Select IEM Stage from Dropdown | Select IEM linkage from Dropdown | No. of Assets |
| DA0326 | Lawrencetown DA | 1,030 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 2 |
| DA0327 | Larne DA | 27,609 | Jun-14 | Jun-14 | Mar-21 | May-23 | IEM02 | Larne | Mar-23 | Nov-23 | Enhanced DAP | PC21 link | WSP | Bathing Water & Shellfish Compliance Model | Intertek | Larne IEM Project elements uploaded to | Stage 4 - Interventions | LTV DAP Pollutograph Output | 41 |
| DA0328 | Roughfort DA | 477 | Apr-24 | Apr-24 | | | IEM19 | Six Mile Water | | | Rurals Model Build | Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 2 |
| DA0329 | Ballynashee Road DA | 11 | | | | | IEM19 | Six Mile Water | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0330 | Mounthill DA | 215 | Apr-24 | Apr-24 | | | IEM02 | Larne | Mar-23 | Nov-23 | Rurals Model Build | Rurals | Atkins | Bathing Water & Shellfish Compliance Model | Intertek | DA physically within IEM boundary howev | Stage 4 - Interventions | NMC Pollutograph Output | 2 |
| DA0331 | Glenoe DA | 199 | | | | | IEM02 | Larne | Mar-23 | Nov-23 | No Planned Study | No Planned Study | No Planned | Bathing Water & Shellfish Compliance Model | Intertek | DA physically within IEM boundary howev | Stage 4 - Interventions | NMC Pollutograph Output | 1 |
| DA0332 | Ballymacward Primary School DA | 0 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0333 | Belfast Road Kilwaughter DA | 19 | | | | | IEM02 | Larne | Mar-23 | Nov-23 | No Planned Study | No Planned Study | No Planned | Bathing Water & Shellfish Compliance Model | Intertek | DA physically within IEM boundary howev | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA0334 | Seven Mile Straight Loanends DA | 12 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0335 | Seven Mile Straight Roseh ll West DA | 6 | | | | | IEM19 | Six Mile Water | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0336 | Seven Mile Straight Roseh ll Central DA | 6 | | | | | IEM19 | Six Mile Water | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0337 | Seven Mile Straight Roseh ll East DA | 6 | | | | | IEM19 | Six Mile Water | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0338 | Shaneoguestown Road DA | 10 | | | | | IEM19 | Six Mile Water | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0339 | Magheramorne DA | 80 | Apr-24 | Apr-24 | | | IEM02 | Larne | Mar-23 | Nov-23 | Rurals Model Build | Rurals | Atkins | Bathing Water & Shellfish Compliance Model | Intertek | DA physically within IEM boundary howev | Stage 4 - Interventions | NMC Pollutograph Output | 1 |
| DA0340 | Ballycorr Grove DA | 34 | | | | | IEM19 | Six Mile Water | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0341 | Hollybank Road South DA | 6 | | | | | IEM19 | Six Mile Water | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0342 | Cogry Road DA | 5 | | | | | IEM19 | Six Mile Water | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0343 | Hollybank Road North DA | 14 | | | | | IEM19 | Six Mile Water | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0344 | Ballybentragh Road DA | 10 | | | | | IEM19 | Six Mile Water | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0346 | Ballyutoag DA | 6 | | | | | IEM19 | Six Mile Water | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0347 | Rickamore Road DA | 8 | | | | | IEM19 | Six Mile Water | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0348 | Ballydonaghy Cottages DA | 12 | | | | | IEM21 | Crumlin | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0349 | Largy Cottages DA | 34 | | | | | IEM21 | Crumlin | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0350 | Gortnagallon Cottages DA | 14 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0351 | Manse Road Crumlin DA | 6 | | | | | IEM21 | Crumlin | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0352 | Cherryvalley Road DA | 8 | | | | | IEM21 | Crumlin | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0353 | Diamond Cottages DA | 29 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0354 | Drennans Road DA | 6 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0355 | Oldstone Terrace DA | 23 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0356 | Farranflugh DA | 6 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0357 | Lisnevenagh DA | 41 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0358 | Dorisland DA | 3 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shellfish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA0362 | Upper Ballygelagh Road DA | 18 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0363 | Ballyclare DA | 20,179 | Apr-22 | Nov-22 | Jun-23 | Feb-24 | IEM19 | Six Mile Water | | | DAP Stage 4 Handover Complete | PC21 link | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 16 |
| DA0364 | Antrim DA | 71,050 | May-21 | May-21 | Sep-22 | Sep-23 | IEM14 | Maine | Sep-23 | Aug-24 | DAP Stage 4 Handover Complete | PC21 link | WSP | River WFD Model | RPS | | Stage 2 - Model Build & Verification | IEM DAP Pollutograph Output | 39 |
| DA0365 | Windmill Road North DA | 3 | | | | | IEM07 | Ards | | | No Planned Study | No Planned Study | No Planned | Bathing Water & River WFD Model | Paused | | Paused | TBC | |
| DA0366 | Windmill Road South DA | 13 | | | | | IEM07 | Ards | | | No Planned Study | No Planned Study | No Planned | Bathing Water & River WFD Model | Paused | | Paused | TBC | |
| DA0367 | Newcastle Road Kearney DA | 11 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0368 | Ballygalget Road DA | 5 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0369 | Lisbane Road DA | 5 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0370 | Glen Cottages DA | 15 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA0371 | Killaughey Road DA | 5 | | | | | IEM07 | Ards | | | No Planned Study | No Planned Study | No Planned | Bathing Water & River WFD Model | Paused | | Paused | TBC | |
| DA0372 | Ballycrochan Road DA | 6 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA0373 | Carrowdore Road DA | 5 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0374 | New Road DA | 2 | | | | | IEM07 | Ards | | | No Planned Study | No Planned Study | No Planned | Bathing Water & River WFD Model | Paused | | Paused | TBC | |
| DA0375 | Parsonage Road DA | 16 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0376 | Inishargy Road West DA | 12 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0377 | Cargan DA | 696 | Jul-23 | Jul-23 | | | IEM14 | Maine | Sep-23 | Aug-24 | Rurals Model Build Handover Complete | Rurals | Atkins | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 4 |
| DA0378 | Newtown-Crommelin DA | 175 | | | | | IEM14 | Maine | Sep-23 | Aug-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 1 |
| DA0379 | Ballymarlagh DA | 35 | | | | | IEM14 | Maine | Sep-23 | Aug-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0380 | Craigywarren DA | 154 | | | | | IEM14 | Maine | Sep-23 | Aug-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0381 | Martinstown DA | 519 | | | | | IEM14 | Maine | Sep-23 | Aug-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 2 |
| DA0382 | Racavan DA | 37 | | | | | IEM14 | Maine | Sep-23 | Aug-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0383 | Skerry View DA | 34 | | | | | IEM14 | Maine | Sep-23 | Aug-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0384 | Buckna DA | 35 | | | | | IEM14 | Maine | Sep-23 | Aug-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0385 | Carnlough Road DA | 6 | | | | | IEM14 | Maine | Sep-23 | Aug-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0386 | Ballymena DA | 79,472 | Jan-21 | Jan-21 | Aug-22 | Dec-22 | IEM14 | Maine | Sep-23 | Aug-24 | Enhanced DAP | PC21 link | Atkins | River WFD Model | RPS | | Stage 2 - Model Build & Verification | LTV DAP Pollutograph Output | 59 |
| DA0387 | Railway View DA | 18 | | | | | IEM14 | Maine | Sep-23 | Aug-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0388 | Straid Ballymena DA | 69 | | | | | IEM14 | Maine | Sep-23 | Aug-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 1 |
| DA0389 | Procklis DA | 92 | | | | | IEM14 | Maine | Sep-23 | Aug-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 1 |
| DA0390 | Tullygrawley DA | 38 | | | | | IEM14 | Maine | Sep-23 | Aug-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0391 | Killygore DA | 52 | Jul-23 | Jul-23 | | | IEM14 | Maine | Sep-23 | Aug-24 | Rurals Model Build Handover Complete | Historical Rurals | Atkins | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0392 | Glarryford DA | 97 | | | | | IEM14 | Maine | Sep-23 | Aug-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 2 |
| DA0393 | Clogh DA | 398 | Jul-23 | Jul-23 | | | IEM14 | Maine | Sep-23 | Aug-24 | Rurals Model Build Handover Complete | Historical Rurals | Atkins | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 2 |
| DA0394 | Duneany DA | 74 | | | | | IEM14 | Maine | Sep-23 | Aug-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 2 |
| DA0395 | Crankill DA | 5 | | | | | IEM14 | Maine | Sep-23 | Aug-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0396 | Cloghmills DA | 1,828 | Jan-23 | | Jan-24 | | IEM14 | Maine | Sep-23 | Aug-24 | DAP not issued yet | PC27 | TBC | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 3 |
| DA0397 | Grange Taylorstown DA | 642 | Jul-23 | Jul-23 | | | IEM16 | Lower Bann | | | Rurals Model Build Handover Complete | Historical Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 2 |
| DA0398 | Crosskeys Road DA | 6 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0399 | Portglenone DA | 3,778 | Sep-22 | Mar-24 | Sep-23 | | IEM16 | Lower Bann | | | Stage 2 - Model Build & Verification | PC27 | RPS | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 5 |
| DA0400 | Ballynafie DA | 98 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0401 | Rasharkin DA | 1,753 | Jan-24 | | Dec-24 | | IEM16 | Lower Bann | | | DAP not issued yet | PC27 | TBC | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 3 |
| DA0402 | Aughnacleagh DA | 35 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0403 | Gortereghy DA | 30 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0404 | Tullymore Road DA | 12 | | | | | IEM14 | Maine | Sep-23 | Aug-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0405 | Munie DA | 38 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0406 | Aughagash DA | 17 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0407 | Carnalbanagh DA | 62 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0408 | Glenarm DA | 3,575 | Jun-22 | Jun-22 | Nov-23 | Nov-23 | IEM20 | Camlough | | | Stage 2 - Handover Complete | PC27 | AECOM | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 7 |
| DA0410 | Creggan Road DA | 8 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0411 | Staffordstown Road DA | 6 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0412 | Coolsythe Road DA | 8 | | | | | IEM14 | Maine | Sep-23 | Aug-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0413 | Connaught Road DA | 15 | | | | | IEM14 | Maine | Sep-23 | Aug-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0414 | Moneynick Road West DA | 16 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0415 | Moneynick Road East DA | 10 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0416 | Cranfield DA | 155 | | | | | IEM16 | Lower Bann | | | No Planned Study | Historical | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA0417 | Moneyglass DA | 131 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0418 | Glasmullen DA | 8 | | | | | IEM20 | Carnlough | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0419 | Knocknatavanna DA | 31 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |

| A | | | B | | C | | D | | | | E | | | F | | G | H | I | J |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAP Information | | | Model Build Report Dates | | Needs and Options Report Dates | | Integrated Environmental Modelling (IEM) Dates | | | | DAP Information | | | IEM Information | | | IEM Information | | |
| DAP reference (linked to Table 40) | DAP Name | Population Served | Baseline Model Build Report Completion Date | Current Actual or Projected Model Build Report Completion Date | Baseline Needs and Options Report Completion Date | Current Actual or Projected Needs and Options Report Completion Date | IEM reference (linked to Table 40) | IEM Name | Baseline IEM Completion Date | Current Actual or Projected IEM Completion Date | Current Stage of DAP | DAP Model | DAP Consultant | IEM Model | IEM Consultant | | Current Stage of IEM | DAP - IEM linkage | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| DAP_ID | DAP_Name | DAP_Pop | DAP_MBR_BL_Sub_Date | DAP_MBR_CAP_Sub_Date | DAP_NOR_BL_Sub_Date | DAP_NOR_CAP_Sub_Date | IEM_ID | IEM_Name | IEM_BL_Sub_Date | EM_CAP_Sub_Date | Select DAP Stage from Dropdown | DAP Model | DAP Consultant | Select IEM Model from Dropdown | IEM Consultant | Comments | Select IEM Stage from Dropdown | Select IEM linkage from Dropdown | No. of Assets |
| DA0420 | Cushendall DA | 4,320 | | | | | IEM20 | Carnlough | | | DAP not issued yet | Historical | TBC | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 8 |
| DA0421 | Tromra DA | 36 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0422 | Ballycleagh DA | 3 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0423 | Cushleake Road DA | 11 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0424 | Ford Road DA | 2 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0425 | Ballynease Road DA | 9 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0426 | Carnbeg DA | 5 | | | | | IEM14 | Maine | Sep-23 | Aug-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0427 | Oaklands DA | 3 | | | | | IEM14 | Maine | Sep-23 | Aug-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0429 | Dungonnell Works DA | 3 | | | | | IEM14 | Maine | Sep-23 | Aug-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0430 | Cushedun DA | 727 | Jul-23 | Jul-23 | | | Not in IEM Catchment | Not in IEM Catchment | | | Rurals Model Build Handover Complete | Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 2 |
| DA0431 | Grove Park DA | 26 | | | | | IEM14 | Maine | Sep-23 | Aug-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0432 | Mullaghboy Road DA | 6 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0433 | Ballynease DA | 19 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0434 | Magherafelt Road DA | 9 | | | | | IEM18 | Moyola | Oct-23 | Sep-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | Intertek | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0436 | Killyneese Road DA | 6 | | | | | IEM18 | Moyola | Oct-23 | Sep-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | Intertek | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0437 | Magherafelt DA | 19,090 | Nov-21 | Nov-21 | Apr-23 | May-23 | IEM18 | Moyola | Oct-23 | Sep-24 | DAP Stage 4 Handover Complete | PC21 link | Atkins | River WFD Model | Intertek | | Stage 2 - Model Build & Verification | IEM DAP Pollutograph Output | 20 |
| DA0438 | Rocktown DA | 20 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0439 | Bellshill Road North DA | 6 | | | | | IEM18 | Moyola | Oct-23 | Sep-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | Intertek | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0440 | Bellshill Road South DA | 6 | | | | | IEM18 | Moyola | Oct-23 | Sep-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | Intertek | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0441 | Hillhead Road DA | 13 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0442 | Bellaghy DA | 1,804 | Nov-21 | Nov-21 | Sep-22 | Feb-23 | IEM16 | Lower Bann | | | DAP Stage 4 Handover Complete | PC21 link | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 4 |
| DA0443 | Creagh DA | 2,361 | Nov-22 | May-24 | Nov-23 | | IEM18 | Moyola | Oct-23 | Sep-24 | Stage 2 - Model Build & Verification | PC27 | WSP | River WFD Model | Intertek | Fast track Options July 23 - DAP not yet | Stage 2 - Model Build & Verification | NMC Pollutograph Output | 7 |
| DA0444 | Deerpark Road DA | 25 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0445 | Drummullan DA | 210 | Oct-22 | Oct-22 | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | Rurals Model Build Handover Complete | Rurals | RPS | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 2 |
| DA0446 | Killygonlan DA | 1,156 | Jul-23 | Jul-23 | | | Not in IEM Catchment | Not in IEM Catchment | | | Rurals Model Build Handover Complete | Historical Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 5 |
| DA0447 | Cluntoe Richardson DA | 612 | Jul-23 | Jul-23 | | | Not in IEM Catchment | Not in IEM Catchment | | | Rurals Model Build Handover Complete | Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 3 |
| DA0448 | Carnan DA | 65 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA0449 | Pomeroy DA | 1,250 | Jul-23 | Jul-23 | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | Rurals Model Build Handover Complete | Historical Rurals | Atkins | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 3 |
| DA0450 | Dunloy DA | 1,578 | Jan-23 | | Jan-24 | | IEM14 | Maine | Sep-23 | Aug-24 | DAP not issued yet | PC27 | TBC | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 3 |
| DA0451 | Loughguile DA | 912 | Jul-23 | Jul-23 | | | IEM10 | Bush | | | Rurals Model Build Handover Complete | Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 5 |
| DA0452 | Irvinestown DA | 3,686 | Jan-23 | Mar-24 | Nov-23 | | IEM15 | Erne | Apr-27 | Apr-27 | Stage 2 - Model Build & Verification | PC27 | RPS | River WFD Model | Stll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | 12 |
| DA0453 | Old Green DA | 58 | | | | | IEM14 | Maine | Sep-23 | Aug-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0454 | Backlower Road West DA | 9 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0456 | Drumenny Road DA | 9 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0457 | Carmean DA | 43 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0458 | Dunronan Road DA | 6 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0459 | Springhill Road DA | 12 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 2 |
| DA0460 | Killymuck DA | 312 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0461 | Ballyronan DA | 1,000 | Jul-23 | Jul-23 | | | Not in IEM Catchment | Not in IEM Catchment | | | Rurals Model Build Handover Complete | Historical Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 4 |
| DA0462 | Derrycrin DA | 397 | Jul-23 | Jul-23 | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | Rurals Model Build Handover Complete | Historical Rurals | Atkins | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 1 |
| DA0463 | Kinturk DA | 25 | Apr-24 | Apr-24 | | | Not in IEM Catchment | Not in IEM Catchment | | | Rurals Model Build | Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA0464 | The Loup DA | 274 | Jul-23 | Jul-23 | | | Not in IEM Catchment | Not in IEM Catchment | | | Rurals Model Build Handover Complete | Historical Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 2 |
| DA0465 | Drumconvis Road DA | 6 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0466 | Shore Road Castle View DA | 12 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0467 | Lisnamorrow DA | 16 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0468 | Point Road DA | 9 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0469 | Ballymaguigan DA | 85 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA0470 | Ritchies V llas DA | 16 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0471 | Dreenan Road DA | 9 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0472 | Moyagall Road DA | 6 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0473 | Beagh DA | 43 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA0474 | Gulladuff DA | 772 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 2 |
| DA0475 | Knockloughrim DA | 304 | | | | | IEM18 | Moyola | Oct-23 | Sep-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | Intertek | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | NMC Pollutograph Output | 1 |
| DA0476 | Curran DA | 164 | | | | | IEM18 | Moyola | Oct-23 | Sep-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | Intertek | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | NMC Pollutograph Output | 1 |
| DA0477 | Broagh DA | 58 | | | | | IEM18 | Moyola | Oct-23 | Sep-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | Intertek | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 1 |
| DA0478 | Aikens Town Parks DA | 41 | | | | | IEM18 | Moyola | Oct-23 | Sep-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | Intertek | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0479 | Carmean Road DA | 3 | | | | | IEM18 | Moyola | Oct-23 | Sep-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | Intertek | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0480 | Luney DA | 18 | | | | | IEM18 | Moyola | Oct-23 | Sep-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | Intertek | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0481 | Lower Grange Road DA | 11 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0482 | Curglasson DA | 60 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 1 |
| DA0483 | Doorless DA | 15 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0484 | Drapersfield DA | 190 | Oct-22 | Oct-22 | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | Rurals Model Build Handover Complete | Rurals | RPS | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 2 |
| DA0485 | Gortatray DA | 12 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0486 | Lisnahall DA | 53 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 2 |
| DA0487 | Knockanroe DA | 16 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0488 | Ballymaguire Road DA | 6 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0489 | Gortnaskea Road DA | 6 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0490 | Tullaghmore Road DA | 6 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0491 | Ballygruby DA | 18 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0492 | Coagh DA | 1,249 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | NMC Pollutograph Output | 4 |
| DA0493 | Moneymore DA | 3,074 | Jan-23 | | Jan-24 | | IEM13 | Ballinderry | Sep-23 | Jun-24 | Stage 1 - Catchment Planning | PC27 | WSP | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 5 |
| DA0494 | Lisnamuck Magherafelt DA | 46 | | | | | IEM18 | Moyola | Oct-23 | Sep-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | Intertek | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 1 |
| DA0495 | Sherrigrim DA | 16 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0496 | Orritor Road DA | 10 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0497 | Orritor DA | 291 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 2 |
| DA0500 | Gortnacross DA | 19 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0501 | Oakland Villas DA | 19 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 2 |
| DA0502 | Killybaskey DA | 122 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 1 |
| DA0503 | Orritor Craigs DA | 9 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0504 | Coagh Road DA | 9 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0505 | Pomeroy Road Drumnacross DA | 6 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0506 | Cookstown DA | 20,608 | May-21 | May-21 | Sep-22 | Aug-23 | IEM13 | Ballinderry | Sep-23 | Jun-24 | Model Maintenance | PC21 link | Atkins | River WFD Model | RPS | Model Maintenance Atkins | Stage 2 - Model Build & Verification | LTV DAP Pollutograph Output | 39 |
| DA0507 | Donaghey East DA | 6 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0508 | Donaghey West DA | 50 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 1 |
| DA0509 | Draperstown DA | 3,410 | Nov-22 | May-24 | Nov-23 | | IEM18 | Moyola | Oct-23 | Sep-24 | Stage 2 - Model Build & Verification | PC27 | WSP | River WFD Model | Intertek | Fast track Options July 23 - DAP not yet r | Stage 2 - Model Build & Verification | NMC Pollutograph Output | 6 |
| DA0510 | Tobermore Road DA | 6 | | | | | IEM18 | Moyola | Oct-23 | Sep-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | Intertek | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0511 | Mi ltown Maghera DA | 56 | | | | | IEM18 | Moyola | Oct-23 | Sep-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | Intertek | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0512 | Desertmartin DA | 385 | Jul-23 | Jul-23 | | | IEM18 | Moyola | Oct-23 | Sep-24 | Rurals Model Build Handover Complete | Rurals | Atkins | River WFD Model | Intertek | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | NMC Pollutograph Output | 1 |
| DA0513 | Kilross DA | 83 | | | | | IEM18 | Moyola | Oct-23 | Sep-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | Intertek | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |

| A | | | B | | C | | D | | | | E | | | F | | G | H | I | J |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAP Information | | | Model Build Report Dates | | Needs and Options Report Dates | | Integrated Environmental Modelling (IEM) Dates | | | | DAP Information | | | IEM Information | | | IEM Information | | |
| DAP reference (linked to Table 40) | DAP Name | Population Served | Baseline Model Build Report Completion Date | Current Actual or Projected Model Build Report Completion Date | Baseline Needs and Options Report Completion Date | Current Actual or Projected Needs and Options Report Completion Date | IEM reference (linked to Table 40) | IEM Name | Baseline IEM Completion Date | Current Actual or Projected IEM Completion Date | Current Stage of DAP | DAP Model | DAP Consultant | IEM Model | IEM Consultant | | Current Stage of IEM | DAP - IEM linkage | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| DAP_ID | DAP_Name | DAP_Pop | DAP_MBR_BL_Sub_Date | DAP_MBR_CAP_Sub_Date | DAP_NOR_BL_Sub_Date | DAP_NOR_CAP_Sub_Date | IEM_ID | IEM_Name | IEM_BL_Sub_Date | EM_CAP_Sub_Date | Select DAP Stage from Dropdown | DAP Model | DAP Consultant | Select IEM Model from Dropdown | IEM Consultant | Comments | Select IEM Stage from Dropdown | Select IEM linkage from Dropdown | No. of Assets |
| DA0514 | Longfield Moorside V llas DA | 99 | | | | | IEM18 | Moyola | Oct-23 | Sep-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | Intertek | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | NMC Pollutograph Output | 1 |
| DA0515 | Maghera DA | 6,575 | Mar-22 | Oct-22 | Jun-23 | Jan-24 | IEM18 | Moyola | Oct-23 | Sep-24 | DAP Stage 4 Handover Complete | PC21 link | Atkins | River WFD Model | Intertek | | Stage 2 - Model Build & Verification | IEM DAP Pollutograph Output | 12 |
| DA0516 | Moneyneany DA | 309 | Jul-23 | Jul-23 | | | IEM18 | Moyola | Oct-23 | Sep-24 | Rurals Model Build Handover Complete | Rurals | Atkins | River WFD Model | Intertek | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | NMC Pollutograph Output | 2 |
| DA0517 | Noones Vale DA | 62 | | | | | IEM18 | Moyola | Oct-23 | Sep-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | Intertek | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 1 |
| DA0518 | Tobermore DA | 1,226 | | | | | IEM18 | Moyola | Oct-23 | Sep-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | Intertek | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | NMC Pollutograph Output | 3 |
| DA0519 | Corchoney Lane DA | 10 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0520 | Drumshambo DA | 12 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0521 | Edendoit Road Pomeroy DA | 19 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0522 | Gortaclady DA | 59 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 1 |
| DA0523 | Keenaghan DA | 16 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0524 | Kildress Terrace DA | 19 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0525 | The Rock DA | 150 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 1 |
| DA0526 | Skernahergney DA | 12 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0527 | Edendoit Road Tirnaskea DA | 9 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0528 | Tullyreavy DA | 19 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0529 | Annaghquin Road DA | 16 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0530 | Tulnacross Road DA | 6 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 1 |
| DA0531 | Dunnamore DA | 369 | Jul-23 | Jul-23 | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | Rurals Model Build Handover Complete | Rurals | Atkins | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 1 |
| DA0532 | Corvanaghan DA | 19 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0533 | Corkill Cookstown DA | 16 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0534 | Waterfoot Road DA | 221 | Jul-23 | Jul-23 | | | IEM18 | Moyola | Oct-23 | Sep-24 | Rurals Model Build Handover Complete | Rurals | Atkins | River WFD Model | Intertek | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | NMC Pollutograph Output | |
| DA0535 | Davagh Park DA | 19 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0536 | Tullyveagh Road DA | 5 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0538 | Keenaghan Road DA | 6 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0539 | Battery Road DA | 6 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0540 | Lough Fea DA | 9 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0542 | Ballynamullan Road DA | 6 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0543 | Annaghmore Road DA | 19 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0544 | Cargin Road DA | 41 | Apr-24 | Apr-24 | | | Not in IEM Catchment | Not in IEM Catchment | | | Rurals Model Build | Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0545 | Stranagard DA | 6 | | | | | IEM18 | Moyola | Oct-23 | Sep-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | Intertek | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0546 | Ballyvoy DA | 271 | Jul-23 | Jul-23 | | | IEM10 | Bush | | | Rurals Model Build Handover Complete | Historical Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA0547 | Greenans DA | 8 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0548 | Glenmakeeran DA | 11 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0549 | Torr Head DA | 16 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0550 | Ballynagard Ballyvoy DA | 14 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0551 | Carnduff DA | 79 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0552 | Toberkeagh DA | 26 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0553 | Ballintoy DA | 361 | Jul-23 | Jul-23 | | | IEM10 | Bush | | | Rurals Model Build Handover Complete | Historical Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 2 |
| DA0554 | Maghernahar DA | 15 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0555 | Rathlin DA | 210 | Apr-24 | Apr-24 | | | Not in IEM Catchment | Not in IEM Catchment | | | Rurals Model Build | Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 3 |
| DA0556 | Straid Road DA | 14 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0557 | Drumavoley Road North DA | 11 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0558 | Ballycastle DA | 12,831 | Sep-22 | Sep-23 | Sep-23 | | IEM10 | Bush | | | Stage 2 - Model Build & Verification | PC27 | RPS | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 7 |
| DA0559 | Turraloskin DA | 20 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0560 | Capecastle DA | 53 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA0561 | Tureagh DA | 27 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0562 | Armoy DA | 852 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 5 |
| DA0563 | Deffrick DA | 75 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0564 | Liscolman DA | 271 | Apr-24 | Apr-24 | | | IEM10 | Bush | | | Rurals Model Build | Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 2 |
| DA0565 | Lisnagunogue DA | 105 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA0566 | Castlenagree DA | 31 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0567 | Dunseverick DA | 82 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0570 | Bushmills DA | 5,970 | Sep-21 | Sep-21 | Apr-22 | Apr-22 | IEM10 | Bush | | | Stage 5 - Modelling Support | PC21 link | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 18 |
| DA0571 | Kilrea DA | 2,725 | Mar-22 | Oct-22 | Jun-23 | Feb-24 | IEM16 | Lower Bann | | | DAP Stage 4 Handover Complete | PC21 link | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 12 |
| DA0572 | Lisnagalt DA | 6 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0573 | Ballyrock DA | 52 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0574 | Lisnisk DA | 14 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0575 | Boghill DA | 11 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0576 | Boghill Road DA | 6 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0577 | Ballyrashane Road East DA | 6 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0578 | Newmills Road DA | 6 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0579 | Ballyhome DA | 112 | Apr-24 | Apr-24 | | | IEM10 | Bush | | | Rurals Model Build | Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 2 |
| DA0581 | Priestland DA | 114 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA0582 | Corbally Road DA | 6 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0583 | Clarehill DA | 472 | Apr-24 | Apr-24 | | | IEM16 | Lower Bann | | | Rurals Model Build | Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 2 |
| DA0584 | Culcrow DA | 203 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA0585 | Lisnamuck Coleraine DA | 22 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0586 | Moneydig DA | 91 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 2 |
| DA0587 | Mayoghill DA | 5 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0588 | Caheny DA | 11 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0589 | Cullyramer DA | 5 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0590 | North Coast DA (Portstewart) | | Mar-18 | Mar-18 | May-22 | Apr-23 | IEM12 | North Coast | | | DAP Stage 4 Handover Complete | PC21 link | Atkins | Bathing Water Compliance Model | Paused | | Stage 1 - Complete - project paused | TBC | |
| DA0590 | North Coast DA (Portrush) | | Mar-18 | Mar-18 | May-22 | Apr-23 | IEM12 | North Coast | | | DAP Stage 4 Handover Complete | PC21 link | Atkins | Bathing Water Compliance Model | Paused | | Stage 1 - Complete - project paused | TBC | |
| DA0590 | North Coast DA (Coleraine) | 82,666 | Mar-18 | Mar-18 | May-22 | Apr-23 | IEM16 | Lower Bann | | | Stage 5 - Modelling Support | PC21 link | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 58 |
| DA0591 | Coole Glebe DA | 23 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0592 | Macosquin DA | 841 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA0593 | Drumcroon DA | 5 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0594 | Managher DA | 18 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0595 | McCleary DA | 5 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0597 | Culbane DA | 17 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0598 | Craigavole DA | 28 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0599 | Drumagarner DA | 16 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0600 | Drumane DA | 16 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0601 | Boveedy DA | 108 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0603 | Ballylintagh DA | 100 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA0604 | Garvagh DA | 1,996 | Jan-24 | | Jan-25 | | IEM16 | Lower Bann | | | DAP not issued yet | PC27 | TBC | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 7 |
| DA0605 | Ringsend DA | 73 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA0606 | Ballyagan DA | 22 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0607 | Shinny Road DA | 6 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |

| A | | | B | | C | | D | | | | E | | | F | | G | H | I | J |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAP Information | | | Model Build Report Dates | | Needs and Options Report Dates | | Integrated Environmental Modelling (IEM) Dates | | | | DAP Information | | | IEM Information | | | IEM Information | | |
| DAP reference (linked to Table 40) | DAP Name | Population Served | Baseline Model Build Report Completion Date | Current Actual or Projected Model Build Report Completion Date | Baseline Needs and Options Report Completion Date | Current Actual or Projected Needs and Options Report Completion Date | IEM reference (linked to Table 40) | IEM Name | Baseline IEM Completion Date | Current Actual or Projected IEM Completion Date | Current Stage of DAP | DAP Model | DAP Consultant | IEM Model | IEM Consultant | | Current Stage of IEM | DAP - IEM linkage | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| DAP_ID | DAP_Name | DAP_Pop | DAP_MBR_BL_Sub_Date | DAP_MBR_CAP_Sub_Date | DAP_NOR_BL_Sub_Date | DAP_NOR_CAP_Sub_Date | IEM_ID | IEM_Name | IEM_BL_Sub_Date | EM_CAP_Sub_Date | Select DAP Stage from Dropdown | DAP Model | DAP Consultant | Select IEM Model from Dropdown | IEM Consultant | Comments | Select IEM Stage from Dropdown | Select IEM linkage from Dropdown | No. of Assets |
| DA0608 | Greenhill DA | 17 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0609 | Craigmore Road Ballynacally DA | 8 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0610 | Mayboy DA | 203 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA0611 | Brockaghboy DA | 182 | Apr-24 | Apr-24 | | | IEM16 | Lower Bann | | | Rurals Model Build | Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 3 |
| DA0612 | Ballinteer DA | 21 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0613 | Longs Glebe DA | 80 | | | | | IEM12 | North Coast | | | No Planned Study | No Planned Study | No Planned | Bathing Water Compliance Model | Paused | | Stage 1 - Complete - project paused | TBC | 1 |
| DA0614 | Dartress DA | 20 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 2 |
| DA0615 | Ballyhacket Road DA | 16 | | | | | IEM12 | North Coast | | | No Planned Study | No Planned Study | No Planned | Bathing Water Compliance Model | Paused | | Stage 1 - Complete - project paused | TBC | |
| DA0616 | Bellany DA | 110 | Apr-24 | Apr-24 | | | IEM16 | Lower Bann | | | Rurals Model Build | Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 2 |
| DA0617 | Churchfield Road DA | 19 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0618 | Moneybrannon Road North DA | 6 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0619 | Coolnagoppoge DA | 52 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0620 | Boleran Road Garvagh DA | 14 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0621 | Kinnyglass Road DA | 6 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0622 | Gortin Road Kilrea DA | 5 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0623 | Straid Road Ballycastle DA | 8 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0625 | Causeway Road Carrowreagh DA | 5 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0626 | Glenshesk Road DA | 5 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0627 | Craigmore Road Kiltest DA | 11 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0628 | Movenis Hill DA | 5 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0629 | Moyarget Road DA | 5 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0630 | Causeway Road Feigh Lower DA | 5 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0631 | Agivey Road DA | 8 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0632 | Ballyrashane Road West DA | 6 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0633 | Whitepark Road Artimacormick DA | 5 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0634 | Graceh II Road DA | 0 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0635 | Lisnagat Road Liscolman DA | 12 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0636 | Whitepark Road Carnmoon DA | 5 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0637 | Dunboe Road DA | 5 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0638 | Ballinlea Road, Maghernahar DA | 8 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0639 | Drumavoley Road South DA | 5 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0640 | Magheramore Road DA | 8 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0641 | Ballyvelton Road South DA | 11 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0642 | Tiberan Cottages DA | 23 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0644 | Leeke Road DA | 27 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0645 | Priestland Road DA | 6 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0646 | Carrowreagh Road South DA | 5 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0647 | Springwell Crescent DA | 19 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0648 | Hillside Road Brockagh DA | 6 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0649 | Navery Road DA | 14 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0650 | Pharis Road Armoy DA | 12 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0651 | Glenbush Road DA | 12 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0652 | Bregagh Road South DA | 6 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0653 | Bregagh Road Central DA | 9 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0654 | Dungorbery DA | 9 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0655 | Killyrammer DA | 155 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0656 | Chatham Road DA | 12 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0657 | Stranocum DA | 613 | Apr-24 | Apr-24 | | | IEM10 | Bush | | | Rurals Model Build | Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 3 |
| DA0658 | Hillcrest Ballymoney DA | 24 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0659 | Ballyveely DA | 13 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0660 | Coolkeeran DA | 6 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0661 | Magherahoney DA | 88 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0662 | Drones DA | 48 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0663 | Burnquarter DA | 45 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0664 | Killogue DA | 19 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0665 | Glenstall DA | 22,306 | Jul-20 | Jul-20 | | | IEM10 | Bush | | | Model Maintenance | | Atkins | No Planned Study | No Planned Study | Model Maintenance Atkins | No Planned Study | No Planned Study | 25 |
| DA0666 | Donnelly Park DA | 40 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0667 | Rosnashane DA | 41 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0668 | Drumreagh DA | 9 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0669 | Garryduff DA | 19 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0670 | Knockans DA | 6 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0671 | Mullans DA | 299 | Jul-23 | Jul-23 | | | IEM16 | Lower Bann | | | Rurals Model Build Handover Complete | Historical Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 3 |
| DA0672 | Dempsey Park DA | 77 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA0673 | Garryduff Church DA | 14 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0674 | Mullan Road DA | 6 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0675 | Ballymacormick DA | 16 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0677 | Dervock DA | 1,017 | Jul-23 | Jul-23 | | | IEM10 | Bush | | | Rurals Model Build Handover Complete | Historical Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 3 |
| DA0678 | Benvardin Road DA | 5 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0679 | Macfin DA | 130 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA0680 | Seacon DA | 102 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 2 |
| DA0681 | Culramoney Road DA | 9 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0682 | Drumnacanon Road DA | 6 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0683 | Culnady Road DA | 6 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0684 | Tamlaght O Crilly DA | 237 | Jul-23 | Jul-23 | | | IEM16 | Lower Bann | | | Rurals Model Build Handover Complete | Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA0685 | Drumbolg Road DA | 6 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0686 | Upperlands DA | 953 | Jan-24 | | Dec-24 | | IEM16 | Lower Bann | | | DAP not issued yet | PC27 | TBC | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 5 |
| DA0687 | Drumagarner Road Killymuck DA | 16 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0688 | Drumagarner Road Old Town DA | 12 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0689 | Drumard Kilrea DA | 18 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0690 | Lismoyle DA | 27 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0691 | Swatragh DA | 745 | Jul-23 | Jul-23 | | | IEM16 | Lower Bann | | | Rurals Model Build Handover Complete | Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 4 |
| DA0692 | Fallahogy DA | 32 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0693 | Lislea Terrace DA | 13 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0694 | Derrykeighan DA | 130 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0695 | Altnahinch WTW DA | 3 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0696 | Ballinrees WTW DA | 3 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0697 | Ballyvelton Road North DA | 14 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0698 | Gorran Road DA | 6 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0699 | Glenstaghey Road DA | 8 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |

| A | | | B | | C | | D | | | | E | | | F | | G | H | I | J |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAP Information | | | Model Build Report Dates | | Needs and Options Report Dates | | Integrated Environmental Modelling (IEM) Dates | | | | DAP Information | | | IEM Information | | | IEM Information | | |
| DAP reference (linked to Table 40) | DAP Name | Population Served | Baseline Model Build Report Completion Date | Current Actual or Projected Model Build Report Completion Date | Baseline Needs and Options Report Completion Date | Current Actual or Projected Needs and Options Report Completion Date | IEM reference (linked to Table 40) | IEM Name | Baseline IEM Completion Date | Current Actual or Projected IEM Completion Date | Current Stage of DAP | DAP Model | DAP Consultant | IEM Model | IEM Consultant | | Current Stage of IEM | DAP - IEM linkage | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| DAP_ID | DAP_Name | DAP_Pop | DAP_MBR_BL_Sub_Date | DAP_MBR_CAP_Sub_Date | DAP_NOR_BL_Sub_Date | DAP_NOR_CAP_Sub_Date | IEM_ID | IEM_Name | IEM_BL_Sub_Date | EM_CAP_Sub_Date | Select DAP Stage from Dropdown | DAP Model | DAP Consultant | Select IEM Model from Dropdown | IEM Consultant | Comments | Select IEM Stage from Dropdown | Select IEM linkage from Dropdown | No. of Assets |
| DA0700 | Bregagh Road North DA | 6 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0701 | Causeway Road Carnside DA | 5 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0702 | Causeway Road Railway DA | 5 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0703 | Glenleary Road DA | 17 | | | | | IEM16 | Lower Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0704 | Whitepark Road DA | 10 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0705 | Lisnagat Road DA | 15 | | | | | IEM10 | Bush | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0706 | Aghory DA | 64 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 2 |
| DA0707 | Farmacaffley DA | 63 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 1 |
| DA0708 | Kilmachugh DA | 21 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0709 | Lisnadill DA | 38 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 1 |
| DA0710 | Markethill DA | 2,585 | Jan-22 | Jan-22 | Jun-23 | Feb-24 | IEM17 | Upper Bann | | | DAP Stage 4 Handover Complete | PC21 link | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 5 |
| DA0711 | Seagahan DA | 32 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0712 | Annaghmore DA | 570 | Jul-23 | Jul-23 | | | IEM05 | Upper Bann | | | Rurals Model Build Handover Complete | Rurals | Atkins | No Planned Study | No Planned Study | No Planned Study | No Planned Study | No Planned Study | 5 |
| DA0713 | Ardress DA | 159 | Oct-22 | Oct-22 | | | IEM05 | Blackwater | Oct-23 | Apr-25 | Rurals Model Build Handover Complete | Rurals | RPS | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 3 |
| DA0714 | Ballynahinch Armagh DA | 40 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0715 | Eglish Armagh DA | 149 | | | | | IEM17 | Upper Bann | | | No Planned Study | | | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0716 | Mi ltown Aghory DA | 192 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA0717 | Mullaghbane Armagh DA | 32 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 1 |
| DA0718 | Richhi l DA | 2,534 | May-22 | Feb-22 | May-23 | Oct-24 | IEM05 | Blackwater | Oct-23 | Apr-25 | Stage 3 - Risks | PC27 | Atkins | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 8 |
| DA0719 | Annahugh DA | 432 | Oct-22 | Oct-22 | | | IEM05 | Blackwater | Oct-23 | Apr-25 | Rurals Model Build Handover Complete | Rurals | RPS | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 4 |
| DA0720 | Hamiltonsbawn DA | 1,285 | Jan-24 | | Dec-24 | | IEM17 | Upper Bann | | | DAP not issued yet | PC27 | TBC | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 5 |
| DA0721 | Crossnamoyle DA | 16 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0722 | Darkley DA | 439 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 2 |
| DA0723 | Doogary DA | 18 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0724 | Drumhillery DA | 69 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 2 |
| DA0725 | Caledon DA | 1,492 | Jan-24 | | Dec-24 | | IEM05 | Blackwater | Oct-23 | Apr-25 | DAP not issued yet | PC27 | TBC | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 7 |
| DA0726 | Madden DA | 149 | Apr-24 | Apr-24 | | | IEM05 | Blackwater | Oct-23 | Apr-25 | Rurals Model Build | Rurals | Atkins | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 3 |
| DA0727 | Magherarville DA | 18 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0728 | Manor House DA | 21 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0729 | Middletown DA | 525 | Apr-24 | Apr-24 | | | IEM05 | Blackwater | Oct-23 | Apr-25 | Rurals Model Build | Rurals | Atkins | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 2 |
| DA0730 | Derrynoose DA | 122 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 1 |
| DA0731 | Ballymacawley DA | 19 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0732 | Ballymacnab DA | 35 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0733 | Ballynagalliagh Armagh DA | 27 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 1 |
| DA0734 | Cavanagrow DA | 40 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 1 |
| DA0735 | Cladymore DA | 223 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA0736 | Dundrum Keady DA | 22 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0738 | Drumkee DA | 20 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0739 | Killeen Dungannon DA | 607 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 1 |
| DA0742 | Kinego Cottages DA | 11 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0743 | Moy DA | 4,340 | Jul-18 | Jul-18 | Feb-21 | Feb-21 | IEM05 | Blackwater | Oct-23 | Apr-25 | DAP Stage 5 Complete | PC21 link | WSP | River WFD Model | RPS | | Stage 2 - Model Build & Verification | LTV DAP Pollutograph Output | 7 |
| DA0744 | Dungannon DA | 91,323 | Sep-21 | Sep-21 | Nov-21 | Nov-21 | IEM05 | Blackwater | Oct-23 | Apr-25 | Stage 5 - Modelling Support | PC21 link | Atkins | River WFD Model | RPS | | Stage 2 - Model Build & Verification | LTV DAP Pollutograph Output | 28 |
| DA0745 | Coalisland DA | 10,821 | Feb-23 | May-24 | Feb-24 | | IEM05 | Blackwater | Oct-23 | Apr-25 | Stage 2 - Model Build & Verification | PC27 | RPS | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 31 |
| DA0747 | Doan Place DA | 16 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0748 | Donaghmore DA | 1,912 | Jan-23 | | Jan-24 | | IEM05 | Blackwater | Oct-23 | Apr-25 | DAP not issued yet | PC27 | TBC | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 4 |
| DA0749 | Eglish Dungannon DA | 606 | Jul-23 | Jul-23 | | | IEM05 | Blackwater | Oct-23 | Apr-25 | Rurals Model Build Handover Complete | Historical Rurals | Atkins | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0750 | Newmills DA | 820 | Apr-24 | Apr-24 | | | IEM05 | Blackwater | Oct-23 | Apr-25 | Rurals Model Build | Rurals | Atkins | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 1 |
| DA0751 | Redford DA | 312 | Jul-23 | Jul-23 | | | IEM05 | Blackwater | Oct-23 | Apr-25 | Rurals Model Build Handover Complete | Historical Rurals | Atkins | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 1 |
| DA0752 | Stangmore DA | 15 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0753 | Drumard Newmills DA | 15 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0754 | Aghinlig DA | 225 | Oct-22 | Oct-22 | | | IEM05 | Blackwater | Oct-23 | Apr-25 | Rurals Model Build Handover Complete | Rurals | RPS | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 3 |
| DA0755 | Armagh DA | 15,733 | Jul-22 | Feb-22 | Aug-23 | Feb-24 | IEM05 | Blackwater | Oct-23 | Apr-25 | Stage 4 - Interventions | PC21 link | Atkins | River WFD Model | RPS | | Stage 2 - Model Build & Verification | IEM DAP Pollutograph Output | 20 |
| DA0758 | Loughgall DA | 588 | Jul-23 | Jul-23 | | | IEM05 | Blackwater | Oct-23 | Apr-25 | Rurals Model Build Handover Complete | Rurals | Atkins | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 4 |
| DA0759 | Grange Blundel DA | 18 | Jul-23 | Jul-23 | | | IEM05 | Blackwater | Oct-23 | Apr-25 | Rurals Model Build Handover Complete | Historical Rurals | Atkins | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0760 | Grangemore DA | 49 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0761 | Lisdown DA | 21 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0762 | Teeraw DA | 16 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0763 | Tullyelmer DA | 11 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0764 | Benburb DA | 1,191 | Jan-24 | | Dec-24 | | IEM05 | Blackwater | Oct-23 | Apr-25 | DAP not issued yet | PC27 | TBC | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 9 |
| DA0766 | Blackwatertown DA | 803 | Jul-23 | Jul-23 | | | IEM05 | Blackwater | Oct-23 | Apr-25 | Rurals Model Build Handover Complete | Historical Rurals | Atkins | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | NMC Pollutograph Output | 3 |
| DA0767 | Kiltubbrid DA | 24 | Apr-24 | Apr-24 | | | IEM05 | Blackwater | Oct-23 | Apr-25 | Rurals Model Build | Rurals | Atkins | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 1 |
| DA0768 | Derryhaw DA | 12 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0769 | Keady Armagh DA | 5,134 | Sep-23 | | Sep-24 | | IEM05 | Blackwater | Oct-23 | Apr-25 | DAP not issued yet | PC27 | TBC | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 8 |
| DA0770 | Clay Lake DA | 3 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0771 | Aghnagar DA | 15 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0772 | Brantry DA | 29 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0773 | Cabragh DA | 651 | Jul-23 | Jul-23 | | | IEM05 | Blackwater | Oct-23 | Apr-25 | Rurals Model Build Handover Complete | Historical Rurals | Atkins | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 2 |
| DA0774 | Castlecaulfield DA | 1,247 | Jan-23 | | Jan-24 | | IEM05 | Blackwater | Oct-23 | Apr-25 | DAP not issued yet | PC27 | TBC | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 5 |
| DA0775 | Derrygortrevy DA | 23 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0776 | Dyan DA | 68 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 2 |
| DA0777 | Galbally DA | 344 | Jul-23 | Jul-23 | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | Rurals Model Build Handover Complete | Historical Rurals | Atkins | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 2 |
| DA0778 | Inishmagh DA | 19 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0779 | Mullyroddan DA | 23 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 1 |
| DA0780 | Tullyleek DA | 24 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0781 | Cappagh DA | 126 | Jul-23 | Jul-23 | | | IEM05 | Blackwater | Oct-23 | Apr-25 | Rurals Model Build Handover Complete | Rurals | Atkins | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 2 |
| DA0782 | Edencrannon DA | 148 | Oct-22 | Oct-22 | | | IEM05 | Blackwater | Oct-23 | Apr-25 | Rurals Model Build Handover Complete | Rurals | RPS | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 3 |
| DA0783 | Kilnacart Road DA | 15 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0784 | Bovean DA | 25 | Oct-22 | Oct-22 | | | IEM05 | Blackwater | Oct-23 | Apr-25 | Rurals Model Build Handover Complete | Rurals | RPS | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 1 |
| DA0786 | Tamnamore DA | 970 | Jul-23 | Jul-23 | | | IEM05 | Blackwater | Oct-23 | Apr-25 | Rurals Model Build Handover Complete | Rurals | Atkins | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | NMC Pollutograph Output | 11 |
| DA0787 | Derrymagowan Road DA | 6 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0788 | Tullyroan DA | 48 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0789 | Cr lly DA | 13 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0790 | Carricklongfield DA | 6 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0791 | Drumflugh Road DA | 14 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0792 | Ballynahaye Road DA | 6 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0793 | Minterburn Road DA | 6 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0794 | Whitelough Road DA | 6 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0795 | Rehaghy Road DA | 6 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0796 | Lisdoart Bridge DA | 15 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |

| A | | | B | | C | | D | | | | E | | | F | | G | H | I | J |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAP Information | | | Model Build Report Dates | | Needs and Options Report Dates | | Integrated Environmental Modelling (IEM) Dates | | | | DAP Information | | | IEM Information | | | IEM Information | | |
| DAP reference (linked to Table 40) | DAP Name | Population Served | Baseline Model Build Report Completion Date | Current Actual or Projected Model Build Report Completion Date | Baseline Needs and Options Report Completion Date | Current Actual or Projected Needs and Options Report Completion Date | IEM reference ( inked to Table 40) | IEM Name | Baseline IEM Completion Date | Current Actual or Projected IEM Completion Date | Current Stage of DAP | DAP Model | DAP Consultant | IEM Model | IEM Consultant | | Current Stage of IEM | DAP - IEM linkage | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| DAP_ID | DAP_Name | DAP_Pop | DAP_MBR_BL_Sub_Date | DAP_MBR_CAP_Sub_Date | DAP_NOR_BL_Sub_Date | DAP_NOR_CAP_Sub_Date | IEM_ID | IEM_Name | IEM_BL_Sub_Date | EM_CAP_Sub_Date | Select DAP Stage from Dropdown | DAP Model | DAP Consultant | Select IEM Model from Dropdown | IEM Consultant | Comments | Select IEM Stage from Dropdown | Select IEM linkage from Dropdown | No. of Assets |
| DA0797 | Aughnacloy DA | 2,252 | Jul-23 | Jul-23 | | | IEM05 | Blackwater | Oct-23 | Apr-25 | Rurals Model Build Handover Complete | Historical Rurals | Atkins | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 7 |
| DA0798 | Ballygawley DA | 1,573 | Jul-23 | Jul-23 | | | IEM05 | Blackwater | Oct-23 | Apr-25 | Rurals Model Build Handover Complete | Historical Rurals | Atkins | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 7 |
| DA0799 | Knockonny DA | 23 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0800 | Lisdoart Terrace DA | 74 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0801 | Gallrock DA | 17 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0802 | Glenanne Road DA | 8 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA0803 | Kilmore Richhi l DA | 235 | Apr-24 | Apr-24 | | | IEM05 | Blackwater | Oct-23 | Apr-25 | Rurals Model Build | Rurals | Atkins | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 2 |
| DA0804 | Altmore WTW DA | 3 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0805 | Gortnagola Road DA | 6 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0806 | Carnteel Road DA | 6 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0807 | Upper Cranlome Road DA | 6 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA0808 | Pomeroy Road Tullyaran DA | 18 | | | | | IEM13 | Ballinderry | Sep-23 | Jun-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 2 |
| DA0809 | Ardgarvan DA | 171 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 1 |
| DA0810 | Drumsurn DA | 506 | Oct-22 | Oct-22 | | | IEM09 | Foyle | Apr-23 | Oct-23 | Rurals Model Build Handover Complete | Rurals | RPS | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 3 |
| DA0811 | Ballyquin DA | 89 | Apr-24 | Apr-24 | | | IEM09 | Foyle | Apr-23 | Oct-23 | Rurals Model Build | Rurals | Atkins | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 3 |
| DA0812 | Ballymacallion DA | 18 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0813 | Bonnanaboigh DA | 277 | Oct-22 | Oct-22 | | | IEM09 | Foyle | Apr-23 | Oct-23 | Rurals Model Build Handover Complete | Rurals | RPS | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 1 |
| DA0814 | Dromore Highlands DA | 109 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 1 |
| DA0815 | Largy DA | 158 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 1 |
| DA0816 | Drumraighland DA | 89 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 1 |
| DA0817 | Edenmore Road DA | 11 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0818 | Feeny DA | 830 | Oct-22 | Oct-22 | | | IEM09 | Foyle | Apr-23 | Oct-23 | Rurals Model Build Handover Complete | Rurals | RPS | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 3 |
| DA0819 | Dernaflaw DA | 365 | Jul-23 | Jul-23 | | | IEM09 | Foyle | Apr-23 | Oct-23 | Rurals Model Build Handover Complete | Historical Rurals | Atkins | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 1 |
| DA0820 | Owenbeg DA | 29 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0821 | Dungiven DA | 4,766 | Mar-14 | Mar-14 | Sep-24 | | IEM09 | Foyle | Apr-23 | Oct-23 | DAP not issued yet | PC27 | TBC | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 9 |
| DA0822 | Caugh Hill DA | 15 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0823 | Crebarkey DA | 23 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0824 | Carnanbane DA | 75 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 1 |
| DA0825 | Gortnahey DA | 361 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 2 |
| DA0826 | Foreglen DA | 458 | Oct-22 | Oct-22 | | | IEM09 | Foyle | Apr-23 | Oct-23 | Rurals Model Build Handover Complete | Rurals | RPS | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 3 |
| DA0827 | Gortscreagan DA | 79 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 1 |
| DA0828 | Killaloo DA | 92 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 2 |
| DA0829 | Claudy DA | 2,980 | Jan-23 | | Jan-24 | | IEM09 | Foyle | Apr-23 | Oct-23 | DAP not issued yet | PC27 | TBC | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 8 |
| DA0830 | Mulderg DA | 52 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0831 | Lisnakilly DA | 42 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0832 | Drummond DA | 25 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0833 | Limestone Road DA | 7 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0834 | Limestone DA | 7 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0838 | Limavady DA | 16,604 | Dec-21 | Dec-21 | Mar-22 | Mar-22 | IEM09 | Foyle | Apr-23 | Oct-23 | Stage 5 - Modelling Support | PC21 link | WSP | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 11 |
| DA0839 | Bolea DA | 128 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 1 |
| DA0840 | Myroe DA | 172 | Apr-24 | Apr-24 | | | IEM09 | Foyle | Apr-23 | Oct-23 | Rurals Model Build | Rurals | Atkins | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 5 |
| DA0841 | Aghanloo DA | 878 | Jul-23 | Jul-23 | | | IEM09 | Foyle | Apr-23 | Oct-23 | Rurals Model Build Handover Complete | Historical Rurals | Atkins | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 4 |
| DA0842 | Drumneechy DA | 23 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0843 | Glack DA | 219 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 1 |
| DA0844 | Ballykelly Limavady DA | 4,096 | Feb-14 | Feb-14 | | | IEM09 | Foyle | Apr-23 | Oct-23 | DAP not issued yet | PC21 link | TBC | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | IEM DAP Pollutograph Output | 6 |
| DA0845 | McLean Road North DA | 0 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0846 | Culmore DA | 166,238 | Aug-20 | Aug-20 | Mar-23 | Feb-24 | IEM09 | Foyle | Apr-23 | Oct-23 | Enhanced DAP | PC21 link | Atkins | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | IEM DAP Pollutograph Output | 63 |
| DA0847 | Donnybrewer DA | 5,505 | Apr-22 | Apr-22 | Apr-23 | | IEM09 | Foyle | Apr-23 | Oct-23 | Stage 2 - Handover Complete | PC21 link | AECOM | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 13 |
| DA0848 | Donnybrewer Road DA | 0 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0849 | Donnybrewer Road East DA | 5 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0850 | Donnybrewer Road West DA | 5 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0851 | Greysteel DA | 2,085 | Jun-22 | Jun-22 | | | IEM09 | Foyle | Apr-23 | Oct-23 | Stage 2 - Handover Complete | PC27 | AECOM | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 6 |
| DA0853 | Park DA | 742 | Apr-24 | Apr-24 | | | IEM09 | Foyle | Apr-23 | Oct-23 | Rurals Model Build | Rurals | Atkins | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 4 |
| DA0854 | Ervey Road South DA | 14 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0855 | Tamnaherin DA | 359 | Jul-23 | Jul-23 | | | IEM09 | Foyle | Apr-23 | Oct-23 | Rurals Model Build Handover Complete | Rurals | Atkins | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 3 |
| DA0856 | Ervey Road North DA | 0 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0857 | Ervey Road Central DA | 0 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0858 | Gransha DA | 5 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0859 | Stradreagh DA | 11 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0860 | Glenabbey DA | 66 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0861 | Nixons Corner DA | 256 | Apr-24 | Apr-24 | | | IEM09 | Foyle | Apr-23 | Oct-23 | Rurals Model Build | Rurals | Atkins | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 3 |
| DA0862 | Killylane DA | 87 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 1 |
| DA0863 | Molenan DA | 35 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0864 | Faughan DA | 12 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0867 | Legaghory DA | 29 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 2 |
| DA0869 | Gosheden South DA | 92 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 1 |
| DA0870 | Ardground DA | 75 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 2 |
| DA0871 | Knockbrack DA | 20 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0872 | Edenreagh Road DA | 32 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0873 | Ardlough Road DA | 8 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0874 | Foreglen Road DA | 9 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0875 | Bonds Glen Road Raspberry DA | 6 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0876 | Bonds Glen Road Ardground DA | 6 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0877 | Duncastle Road DA | 17 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0878 | Gortnagross Road DA | 6 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0879 | Glenedra Road DA | 6 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0880 | Trench Road DA | 11 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 1 |
| DA0881 | Drumsurn Road DA | 8 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0882 | Bovevagh Road DA | 9 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0883 | Ballyavelin Road DA | 0 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0884 | Derryork Road DA | 12 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0885 | Brisland Road DA | 5 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0886 | Donemana DA | 1,083 | Jul-23 | Jul-23 | | | IEM09 | Foyle | Apr-23 | Oct-23 | Rurals Model Build Handover Complete | Historical Rurals | Atkins | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 2 |
| DA0887 | Lisnaragh DA | 23 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0888 | Loughan Road Donemana DA | 23 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0889 | Castlemellan Upper DA | 11 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0890 | Altishane DA | 14 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0891 | Glenagoorland DA | 14 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0892 | Moneycanon DA | 37 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |

| A | | | B | | C | | D | | | | E | | | F | | G | H | I | J |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAP Information | | | Model Build Report Dates | | Needs and Options Report Dates | | Integrated Environmental Modelling (IEM) Dates | | | | DAP Information | | | IEM Information | | | IEM Information | | |
| DAP reference (linked to Table 40) | DAP Name | Population Served | Baseline Model Build Report Completion Date | Current Actual or Projected Model Build Report Completion Date | Baseline Needs and Options Report Completion Date | Current Actual or Projected Needs and Options Report Completion Date | IEM reference (linked to Table 40) | IEM Name | Baseline IEM Completion Date | Current Actual or Projected IEM Completion Date | Current Stage of DAP | DAP Model | DAP Consultant | IEM Model | IEM Consultant | | Current Stage of IEM | DAP - IEM linkage | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| DAP_ID | DAP_Name | DAP_Pop | DAP_MBR_BL_Sub_Date | DAP_MBR_CAP_Sub_Date | DAP_NOR_BL_Sub_Date | DAP_NOR_CAP_Sub_Date | IEM_ID | IEM_Name | IEM_BL_Sub_Date | EM_CAP_Sub_Date | Select DAP Stage from Dropdown | DAP Model | DAP Consultant | Select IEM Model from Dropdown | IEM Consultant | Comments | Select IEM Stage from Dropdown | Select IEM linkage from Dropdown | No. of Assets |
| DA0893 | Castlemellan Lower DA | 17 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0894 | Tullyard Donemana DA | 11 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0895 | Dunnyboe Road DA | 17 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0896 | Ballymagorry DA | 1,876 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | | PC27 | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 7 |
| DA0898 | Mi ltown Artigarvan DA | 11 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0899 | Drumenny DA | 74 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 1 |
| DA0900 | Artigarvan Station Road DA | 22 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0901 | Donagheady DA | 191 | Apr-24 | Apr-24 | | | IEM09 | Foyle | Apr-23 | Oct-23 | Rurals Model Build | Rurals | Atkins | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 3 |
| DA0902 | Mi ltown Burndennet DA | 51 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 1 |
| DA0903 | Ballyheather Road DA | 3 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0904 | Whin Road DA | 6 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0905 | Killycurry Road DA | 6 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0906 | Victoria Road DA | 11 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0907 | Creaghcor DA | 22 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0908 | Bready DA | 321 | Oct-22 | Oct-22 | | | IEM09 | Foyle | Apr-23 | Oct-23 | Rurals Model Build Handover Complete | Rurals | RPS | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 4 |
| DA0909 | Cullion Bready DA | 80 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 1 |
| DA0910 | Magheramason DA | 654 | Jul-23 | Jul-23 | | | IEM09 | Foyle | Apr-23 | Oct-23 | Rurals Model Build Handover Complete | Rurals | Atkins | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 3 |
| DA0911 | Willow Road DA | 0 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0912 | Glenmornan DA | 190 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 1 |
| DA0913 | Keenaghan Strabane DA | 22 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0914 | Ballee Road Ba lee DA | 8 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0915 | Monmurry DA | 26 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | No Planned Study | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | |
| DA0916 | Keady DA | 18 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | Historical | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | |
| DA0917 | Newtownbutler DA | 1,503 | Nov-22 | Sep-23 | Nov-23 | | IEM15 | Erne | Apr-27 | Apr-27 | Stage 2 - Handover Complete | PC27 | WSP | River WFD Model | St ll to be tendered | Fast track Options | Pre Stage 1 - NI Water Scoping | TBC | 4 |
| DA0918 | Clabby DA | 332 | Jul-23 | Jul-23 | | | IEM15 | Erne | Apr-27 | Apr-27 | Rurals Model Build Handover Complete | Historical Rurals | Atkins | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | |
| DA0919 | Fivemiletown DA | 2,955 | Nov-22 | May-24 | Nov-23 | | IEM15 | Erne | Apr-27 | Apr-27 | Stage 2 - Model Build & Verification | PC27 | WSP | River WFD Model | St ll to be tendered | Fast track Options | Pre Stage 1 - NI Water Scoping | TBC | 7 |
| DA0920 | Ballinamallard DA | 1,824 | Nov-22 | May-24 | Nov-23 | | IEM15 | Erne | Apr-27 | Apr-27 | Stage 2 - Model Build & Verification | PC27 | WSP | River WFD Model | St ll to be tendered | Fast track Options | Pre Stage 1 - NI Water Scoping | TBC | 6 |
| DA0921 | Lack DA | 160 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | No Planned Study | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | 2 |
| DA0922 | Woaghternerry DA | 34 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | No Planned Study | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | |
| DA0924 | Coragh DA | 17 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | No Planned Study | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | |
| DA0925 | Derrylin DA | 1,004 | Nov-22 | May-24 | Nov-23 | | IEM15 | Erne | Apr-27 | Apr-27 | Stage 2 - Model Build & Verification | PC27 | WSP | River WFD Model | St ll to be tendered | Fast track Options | Pre Stage 1 - NI Water Scoping | TBC | 4 |
| DA0926 | Aghnaskew DA | 11 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | No Planned Study | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | |
| DA0927 | Aughakillymaud DA | 22 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | No Planned Study | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | |
| DA0928 | Bohulkin DA | 11 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | No Planned Study | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | |
| DA0929 | Drumgay South DA | 16 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | No Planned Study | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | |
| DA0930 | Drumgay North DA | 44 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | No Planned Study | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | |
| DA0931 | Teemore DA | 258 | Apr-24 | Apr-24 | | | IEM15 | Erne | Apr-27 | Apr-27 | Rurals Model Build | Rurals | Atkins | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | 2 |
| DA0932 | Donagh DA | 262 | Apr-24 | Apr-24 | | | IEM15 | Erne | Apr-27 | Apr-27 | Rurals Model Build | Rurals | Atkins | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | 2 |
| DA0933 | Aghadrumsee DA | 37 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | No Planned Study | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | |
| DA0934 | Magheraveely DA | 90 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | No Planned Study | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | 1 |
| DA0935 | Brookeborough DA | 784 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | No Planned Study | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | 3 |
| DA0936 | Kilgarrett DA | 11 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | No Planned Study | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | |
| DA0937 | Mullynaburtlan DA | 18 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | No Planned Study | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | |
| DA0938 | Cornakessagh DA | 11 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | No Planned Study | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | |
| DA0939 | Ballycassidy DA | 543 | Jul-23 | Jul-23 | | | IEM15 | Erne | Apr-27 | Apr-27 | Rurals Model Build Handover Complete | Rurals | Atkins | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | 4 |
| DA0940 | Ederney DA | 871 | Jul-23 | Jul-23 | | | IEM15 | Erne | Apr-27 | Apr-27 | Rurals Model Build Handover Complete | Historical Rurals | Atkins | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | 4 |
| DA0941 | Lisnarrick DA | 298 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | No Planned Study | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | 1 |
| DA0942 | Enniskillen DA | 28,926 | May-21 | May-21 | Sep-22 | Aug-23 | IEM15 | Erne | Apr-27 | Apr-27 | Stage 5 - Modelling Support | PC21 link | WSP | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | 38 |
| DA0943 | Florencecourt DA | 326 | Oct-22 | Oct-22 | | | IEM15 | Erne | Apr-27 | Apr-27 | Rurals Model Build Handover Complete | Rurals | RPS | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | 5 |
| DA0944 | Carrontreemall DA | 41 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | No Planned Study | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | |
| DA0945 | Kinawley DA | 354 | Jul-23 | Jul-23 | | | IEM15 | Erne | Apr-27 | Apr-27 | Rurals Model Build Handover Complete | Rurals | Atkins | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | 4 |
| DA0946 | Derryaghna DA | 17 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | No Planned Study | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | 2 |
| DA0947 | Springfield DA | 90 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | No Planned Study | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | 1 |
| DA0949 | Letterbreen DA | 81 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | No Planned Study | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | 2 |
| DA0950 | Belcoo DA | 809 | Oct-22 | Oct-22 | | | IEM15 | Erne | Apr-27 | Apr-27 | Rurals Model Build Handover Complete | Rurals | RPS | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | 6 |
| DA0954 | Lisbellaw DA | 1,531 | Apr-22 | Apr-22 | | | IEM15 | Erne | Apr-27 | Apr-27 | Rurals Model Build Handover Complete | PC27 | RPS | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | 2 |

| A | | | B | | C | | D | | | | E | | | F | | G | H | I | J |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAP Information | | | Model Build Report Dates | | Needs and Options Report Dates | | Integrated Environmental Modelling (IEM) Dates | | | | DAP Information | | | IEM Information | | | IEM Information | | |
| DAP reference (linked to Table 40) | DAP Name | Population Served | Baseline Model Build Report Completion Date | Current Actual or Projected Model Build Report Completion Date | Baseline Needs and Options Report Completion Date | Current Actual or Projected Needs and Options Report Completion Date | IEM reference (linked to Table 40) | IEM Name | Baseline IEM Completion Date | Current Actual or Projected IEM Completion Date | Current Stage of DAP | DAP Model | DAP Consultant | IEM Model | IEM Consultant | | Current Stage of IEM | DAP - IEM linkage | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| DAP_ID | DAP_Name | DAP_Pop | DAP_MBR_BL_Sub_Date | DAP_MBR_CAP_Sub_Date | DAP_NOR_BL_Sub_Date | DAP_NOR_CAP_Sub_Date | IEM_ID | IEM_Name | IEM_BL_Sub_Date | EM_CAP_Sub_Date | Select DAP Stage from Dropdown | DAP Model | DAP Consultant | Select IEM Model from Dropdown | IEM Consultant | Comments | Select IEM Stage from Dropdown | Select IEM linkage from Dropdown | No. of Assets |
| DA0955 | Tempo DA | 1,029 | Nov-22 | May-24 | Nov-23 | | IEM15 | Erne | Apr-27 | Apr-27 | Stage 2 - Model Build & Verification | PC27 | WSP | River WFD Model | St ll to be tendered | Fast track Options | Pre Stage 1 - NI Water Scoping | TBC | 2 |
| DA0956 | Lisnaskea DA | 6,548 | Nov-22 | Dec-23 | Nov-23 | | IEM15 | Erne | Apr-27 | Apr-27 | Stage 2 - Model Build & Verification | PC21 link | WSP | River WFD Model | St ll to be tendered | Full Options | Pre Stage 1 - NI Water Scoping | TBC | 13 |
| DA0957 | Drummack DA | 17 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | No Planned Study | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | 2 |
| DA0958 | Tamlaght DA | 481 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | | | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | 1 |
| DA0959 | Ardess DA | 49 | Apr-24 | Apr-24 | | | IEM15 | Erne | Apr-27 | Apr-27 | Rurals Model Build | Rurals | Atkins | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | 1 |
| DA0960 | Kesh DA | 2,488 | Jan-23 | Mar-24 | Nov-23 | | IEM15 | Erne | Apr-27 | Apr-27 | Stage 2 - Model Build & Verification | PC27 | RPS | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | 4 |
| DA0961 | Letterkeen DA | 13 | Apr-24 | Apr-24 | | | IEM15 | Erne | Apr-27 | Apr-27 | Rurals Model Build | Rurals | Atkins | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | 1 |
| DA0962 | Tully DA | 69 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | No Planned Study | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | 1 |
| DA0963 | Derrygonne ly DA | 1,049 | Jan-23 | Mar-24 | Jan-24 | | IEM15 | Erne | Apr-27 | Apr-27 | Stage 2 - Model Build & Verification | PC27 | RPS | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | 3 |
| DA0964 | Monea DA | 336 | Jul-23 | Jul-23 | | | IEM15 | Erne | Apr-27 | Apr-27 | Rurals Model Build Handover Complete | Historical Rurals | Atkins | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | 2 |
| DA0965 | Pettigo DA | 0 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | No Planned Study | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | 1 |
| DA0966 | Church Hill DA | 60 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | No Planned Study | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | 1 |
| DA0967 | Mullans Boa Island DA | 10 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | No Planned Study | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | |
| DA0968 | Blaney DA | 16 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | No Planned Study | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | |
| DA0969 | Castle Archdale DA | 829 | Apr-24 | Apr-24 | | | IEM15 | Erne | Apr-27 | Apr-27 | Rurals Model Build | Rurals | Atkins | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | 3 |
| DA0970 | Scribbagh DA | 16 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | No Planned Study | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | 2 |
| DA0971 | Belleek Fermanagh DA | 1,780 | Jan-23 | Mar-24 | Nov-23 | | IEM15 | Erne | Apr-27 | Apr-27 | Stage 2 - Model Build & Verification | PC27 | RPS | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | 6 |
| DA0972 | Corry DA | 8 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | No Planned Study | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | |
| DA0973 | Rosscor DA | 11 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | No Planned Study | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | |
| DA0974 | Garrison DA | 640 | Jul-23 | Jul-23 | | | IEM15 | Erne | Apr-27 | Apr-27 | Rurals Model Build Handover Complete | Historical Rurals | Atkins | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | 4 |
| DA0975 | Tummery DA | 38 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | No Planned Study | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | |
| DA0976 | Kilskeery DA | 72 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | No Planned Study | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | |
| DA0977 | Dromore Tyrone DA | 1,871 | Sep-23 | | Sep-24 | | IEM09 | Foyle | Apr-23 | Oct-23 | DAP not issued yet | PC27 | TBC | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 3 |
| DA0978 | Badoney DA | 17 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0979 | Corkill Kilskeery DA | 21 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | No Planned Study | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | |
| DA0980 | Moorfield DA | 18 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | No Planned Study | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | |
| DA0981 | Cornamuck DA | 23 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | No Planned Study | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | |
| DA0982 | Trillick DA | 625 | Apr-24 | Apr-24 | | | IEM15 | Erne | Apr-27 | Apr-27 | Rurals Model Build | Rurals | Atkins | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | 3 |
| DA0983 | Legcloghfin Road Cranagh DA | 98 | Apr-24 | Apr-24 | | | IEM09 | Foyle | Apr-23 | Oct-23 | Rurals Model Build | Rurals | Atkins | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 3 |
| DA0984 | Drumnakilly DA | 100 | Apr-24 | Apr-24 | | | IEM09 | Foyle | Apr-23 | Oct-23 | Rurals Model Build | Rurals | Atkins | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 2 |
| DA0985 | Tursallagh DA | 19 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0986 | Lough Macrory DA | 664 | Jul-23 | Jul-23 | | | IEM09 | Foyle | Apr-23 | Oct-23 | Rurals Model Build Handover Complete | Historical Rurals | Atkins | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 2 |
| DA0987 | Altamuskin North DA | 125 | Apr-24 | Apr-24 | | | IEM09 | Foyle | Apr-23 | Oct-23 | Rurals Model Build | Rurals | Atkins | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 1 |
| DA0988 | Carrickmore DA | 1,241 | Jan-24 | | Dec-24 | | IEM09 | Foyle | Apr-23 | Oct-23 | DAP not issued yet | PC27 | TBC | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 3 |
| DA0989 | Greencastle Tyrone DA | 358 | Jul-23 | Jul-23 | | | IEM09 | Foyle | Apr-23 | Oct-23 | Rurals Model Build Handover Complete | Historical Rurals | Atkins | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0990 | Mountfield DA | 497 | Jul-23 | Jul-23 | | | IEM09 | Foyle | Apr-23 | Oct-23 | Rurals Model Build Handover Complete | Historical Rurals | Atkins | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 4 |
| DA0991 | Corickmore DA | 18 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0992 | Rousky DA | 41 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0993 | Gortin DA | 750 | Oct-22 | Oct-22 | | | IEM09 | Foyle | Apr-23 | Oct-23 | Rurals Model Build Handover Complete | Rurals | RPS | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 2 |
| DA0994 | Dunmullan DA | 67 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA0995 | Plumbridge DA | 451 | Apr-24 | Apr-24 | | | IEM09 | Foyle | Apr-23 | Oct-23 | Rurals Model Build | Rurals | Atkins | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 4 |
| DA0996 | Newtownstewart DA | 2,530 | Jan-24 | | Dec-24 | | IEM09 | Foyle | Apr-23 | Oct-23 | DAP not issued yet | PC27 | TBC | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 6 |
| DA0997 | Mountjoy Brockagh DA | 437 | Jul-23 | Jul-23 | | | IEM05 | Blackwater | Oct-23 | Apr-25 | Rurals Model Build Handover Complete | Rurals | Atkins | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 3 |
| DA0998 | Knockmoyle DA | 221 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 1 |
| DA0999 | Killydart Road DA | 0 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA1000 | Eskragh DA | 18 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA1001 | Garvaghy Ballygawley DA | 225 | Apr-24 | Apr-24 | | | IEM09 | Foyle | Apr-23 | Oct-23 | Rurals Model Build | Rurals | Atkins | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 3 |
| DA1002 | Legacurry Cortaclare DA | 18 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA1003 | Beragh DA | 1,688 | Jan-24 | | Dec-24 | | IEM09 | Foyle | Apr-23 | Oct-23 | DAP not issued yet | PC27 | TBC | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 4 |
| DA1004 | Dobbs South DA | 0 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA1005 | Dobbs North DA | 0 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA1006 | Hall DA | 0 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA1007 | Creevanagar DA | 15 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA1008 | Omagh DA | 35,652 | Nov-20 | Nov-20 | Nov-22 | Sep-23 | IEM09 | Foyle | Apr-23 | Oct-23 | DAP Stage 4 Handover Complete | | WSP | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 36 |
| DA1009 | Edenderry Tyrone DA | 53 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 1 |
| DA1010 | Arvalee DA | 78 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 2 |
| DA1011 | Tirquin DA | 24 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA1012 | Seskinore DA | 402 | Jul-23 | Jul-23 | | | IEM09 | Foyle | Apr-23 | Oct-23 | Rurals Model Build Handover Complete | Historical Rurals | Atkins | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 2 |
| DA1013 | Cavanacaw DA | 141 | Apr-24 | Apr-24 | | | IEM09 | Foyle | Apr-23 | Oct-23 | Rurals Model Build | Rurals | Atkins | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 2 |
| DA1014 | Tattysa lagh DA | 79 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 2 |
| DA1015 | Fintona DA | 1,937 | Jan-24 | | Dec-24 | | IEM09 | Foyle | Apr-23 | Oct-23 | DAP not issued yet | PC27 | TBC | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 6 |
| DA1016 | Ballygowans DA | 12 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA1017 | Carnalea Road DA | 16 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA1018 | Ballynamullan DA | 12 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA1019 | Sion Mills DA | 3,551 | Jan-24 | | Jan-25 | | IEM09 | Foyle | Apr-23 | Oct-23 | DAP not issued yet | PC27 | TBC | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 3 |
| DA1020 | Victoria Bridge DA | 540 | Apr-24 | Apr-24 | | | IEM09 | Foyle | Apr-23 | Oct-23 | Rurals Model Build | Rurals | Atkins | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 2 |
| DA1021 | Douglas Bridge DA | 189 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 1 |
| DA1022 | Strabane DA | 24,419 | Jul-22 | Jul-23 | Jan-23 | Jun-23 | IEM09 | Foyle | Apr-23 | Oct-23 | Stage 5 - Modelling Support | PC21 link | RPS | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | IEM DAP Pollutograph Output | 17 |
| DA1023 | Castletown DA | 17 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA1024 | Ardstraw DA | 298 | Oct-22 | Oct-22 | | | IEM09 | Foyle | Apr-23 | Oct-23 | Rurals Model Build Handover Complete | Rurals | RPS | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 2 |
| DA1025 | Greenv lle DA | 29 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA1026 | Magheracoltan DA | 18 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 1 |
| DA1027 | Ballee Road Tullyard DA | 14 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA1028 | Letterbin DA | 61 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 2 |
| DA1029 | Garvetagh DA | 67 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 1 |
| DA1030 | Castlederg DA | 5,680 | Nov-22 | Jun-24 | Nov-23 | | IEM09 | Foyle | Apr-23 | Oct-23 | Stage 2 - Model Build & Verification | PC27 | WSP | Shel fish Water Compliance Model | AFBI and Longline Environmental (LL | Full Options w th view flooding | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 9 |
| DA1031 | Crew Bridge DA | 19 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA1032 | Spamount DA | 903 | Apr-24 | Apr-24 | | | IEM09 | Foyle | Apr-23 | Oct-23 | Rurals Model Build | Rurals | Atkins | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 3 |
| DA1033 | Dooish DA | 139 | Apr-24 | Apr-24 | | | IEM09 | Foyle | Apr-23 | Oct-23 | Rurals Model Build | Rurals | Atkins | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 1 |
| DA1034 | Hunter Bungalows DA | 18 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA1035 | Killeter DA | 172 | Apr-24 | Apr-24 | | | IEM09 | Foyle | Apr-23 | Oct-23 | Rurals Model Build | Rurals | Atkins | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 2 |
| DA1036 | Letterbin Aghasessy DA | 0 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA1037 | Killen DA | 397 | Apr-24 | Apr-24 | | | IEM09 | Foyle | Apr-23 | Oct-23 | Rurals Model Build | Rurals | Atkins | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 3 |
| DA1038 | Drumquin DA | 1,002 | Jul-23 | Jul-23 | | | IEM09 | Foyle | Apr-23 | Oct-23 | Rurals Model Build Handover Complete | Historical Rurals | Atkins | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 3 |
| DA1039 | Cavandarragh Road DA | 0 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA1040 | Drumlegagh Church Road DA | 116 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 1 |
| DA1041 | Camus DA | 96 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 1 |
| DA1042 | Drumlegagh DA | 5 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA1043 | Kilclean Road DA | 10 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |

| A | | | B | | C | | D | | | | E | | | F | | G | H | I | J |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAP Information | | | Model Build Report Dates | | Needs and Options Report Dates | | Integrated Environmental Modelling (IEM) Dates | | | | DAP Information | | | IEM Information | | | IEM Information | | |
| DAP reference (linked to Table 40) | DAP Name | Population Served | Baseline Model Build Report Completion Date | Current Actual or Projected Model Build Report Completion Date | Baseline Needs and Options Report Completion Date | Current Actual or Projected Needs and Options Report Completion Date | IEM reference (linked to Table 40) | IEM Name | Baseline IEM Completion Date | Current Actual or Projected IEM Completion Date | Current Stage of DAP | DAP Model | DAP Consultant | IEM Model | IEM Consultant | | Current Stage of IEM | DAP - IEM linkage | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| DAP_ID | DAP_Name | DAP_Pop | DAP_MBR_BL_Sub_Date | DAP_MBR_CAP_Sub_Date | DAP_NOR_BL_Sub_Date | DAP_NOR_CAP_Sub_Date | IEM_ID | IEM_Name | IEM_BL_Sub_Date | EM_CAP_Sub_Date | Select DAP Stage from Dropdown | DAP Model | DAP Consultant | Select IEM Model from Dropdown | IEM Consultant | Comments | Select IEM Stage from Dropdown | Select IEM linkage from Dropdown | No. of Assets |
| DA1044 | Edergoole Road DA | 9 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA1045 | Scotstown Road DA | 3 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA1046 | McNally Park DA | 17 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA1047 | Corickbeg Road DA | 6 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA1048 | Bearney Road DA | 12 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA1049 | Clogher DA | 1,344 | Jul-23 | Jul-23 | | | IEM05 | Blackwater | Oct-23 | Apr-25 | Rurals Model Build Handover Complete | Historical Rurals | Atkins | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 4 |
| DA1050 | Augher DA | 660 | Jul-23 | Jul-23 | | | IEM05 | Blackwater | Oct-23 | Apr-25 | Rurals Model Build Handover Complete | Rurals | Atkins | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 2 |
| DA1051 | St Johns Terrace DA | 30 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA1052 | St Annes Terrace DA | 18 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA1053 | St Marys Terrrace DA | 18 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA1054 | Ballycoshone Road DA | 6 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA1055 | Drumnascamph DA | 36 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA1056 | Hilltown Road DA | 11 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | |
| DA1057 | Glen View DA | 8 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | |
| DA1058 | Newry Road DA | 9 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | |
| DA1059 | Lurgancahone Road North DA | 9 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | |
| DA1060 | Lurgancahone Road South DA | 9 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | |
| DA1061 | Ballymaconaghy Road DA | 6 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | |
| DA1062 | Ballyrussel DA | 44 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | |
| DA1063 | Drumgrevagh DA | 6 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | |
| DA1064 | Kilbroney Park DA | 10 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | |
| DA1065 | Shinn Road DA | 19 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | |
| DA1066 | Glascar Road DA | 3 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | |
| DA1067 | Demoan Villas DA | 17 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | |
| DA1068 | Corcreechy Road DA | 9 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | |
| DA1069 | Killeen Newry DA | 108 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA1070 | Mountain View Drumintee DA | 116 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA1071 | Crossmaglen Road DA | 0 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA1072 | Silverbridge DA | 157 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 2 |
| DA1073 | Oliver Plunkett Park DA | 94 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 2 |
| DA1074 | St Brigids V llas DA | 30 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA1075 | ORahilly Park DA | 57 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA1076 | Magee Terrace DA | 15 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA1077 | McKinley Park DA | 63 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA1078 | Lesh Road DA | 0 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA1079 | Lough Road DA | 9 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA1080 | Fofannybane DA | 3 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA1081 | Commons School Road DA | 3 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | |
| DA1082 | Lislea DA | 205 | Apr-24 | Apr-24 | | | Not in IEM Catchment | Not in IEM Catchment | | | Rurals Model Build | Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 2 |
| DA1083 | Glaskerbeg Road DA | 3 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | |
| DA1084 | Fofanny DA | 3 | | | | | IEM03 | Newcastle | Dec-22 | Nov-23 | No Planned Study | No Planned Study | No Planned | Bathing Water & River WFD Model | Intertek | DA physically within IEM boundary howev | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA1085 | Ballintemple WTW DA | 6 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA1086 | Ballymaconaghy WTW DA | 3 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | |
| DA1087 | Ballygowan Road Ballygowan South DA | 6 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | |
| DA1088 | Drumard Primate DA | 35 | Oct-22 | Oct-22 | | | IEM05 | Blackwater | Oct-23 | Apr-25 | Rurals Model Build Handover Complete | Rurals | RPS | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 1 |
| DA1089 | Grove Road DA | 6 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shellfish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA1090 | Castlewellan Road Dromore DA | 0 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shellfish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA1092 | Middle Braniel Road DA | 12 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA1093 | Charles Sheils DA | 0 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA1095 | Burren Road DA | 12 | | | | | IEM03 | Newcastle | Dec-22 | Nov-23 | No Planned Study | No Planned Study | No Planned | Bathing Water & River WFD Model | Intertek | DA physically within IEM boundary howev | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA1097 | Ballyardel DA | 12 | Oct-22 | Oct-22 | | | IEM08 | Carlingford | Dec-22 | Feb-24 | Rurals Model Build Handover Complete | Rurals | RPS | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | 1 |
| DA1098 | Attical DA | 234 | | | | | IEM03 | Newcastle | Dec-22 | Nov-23 | No Planned Study | No Planned Study | No Planned | Bathing Water & River WFD Model | Intertek | DA physically within IEM boundary howev | Stage 4 - Interventions | NMC Pollutograph Output | 1 |
| DA1099 | Ballymaderfy DA | 69 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | |
| DA1100 | Cranfield Kilkeel DA | 4,393 | Oct-18 | Oct-18 | Jun-21 | Nov-23 | IEM08 | Carlingford | Dec-22 | Feb-24 | Stage 2 - Handover Complete | PC21 link | AECOM | Shellfish Compliance & River WFD Model | Intertek | Carlingford IEM Project elements uploade | Stage 4 - Interventions | IEM DAP Pollutograph Output | 3 |
| DA1101 | Newcastle Road Drumaness DA | 0 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA1102 | Drumaroad Draper Hill DA | 3 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA1103 | Silent Va ley One DA | 7 | | | | | IEM03 | Newcastle | Dec-22 | Nov-23 | No Planned Study | No Planned Study | No Planned | Bathing Water & River WFD Model | Intertek | DA physically within IEM boundary howev | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA1104 | Silent Va ley Two DA | 7 | | | | | IEM03 | Newcastle | Dec-22 | Nov-23 | No Planned Study | No Planned Study | No Planned | Bathing Water & River WFD Model | Intertek | DA physically within IEM boundary howev | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA1105 | Silent Va ley Three DA | 7 | | | | | IEM03 | Newcastle | Dec-22 | Nov-23 | No Planned Study | No Planned Study | No Planned | Bathing Water & River WFD Model | Intertek | DA physically within IEM boundary howev | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA1106 | Silent Va ley Four DA | 7 | | | | | IEM03 | Newcastle | Dec-22 | Nov-23 | No Planned Study | No Planned Study | No Planned | Bathing Water & River WFD Model | Intertek | DA physically within IEM boundary howev | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA1107 | Silent Va ley Five DA | 7 | | | | | IEM03 | Newcastle | Dec-22 | Nov-23 | No Planned Study | No Planned Study | No Planned | Bathing Water & River WFD Model | Intertek | DA physically within IEM boundary howev | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA1108 | Lough Island Reavy WTW DA | 3 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA1109 | Leitrim DA | 203 | | | | | IEM01 | Dundrum | Dec-22 | Dec-22 | No Planned Study | No Planned Study | No Planned | Shel fish Water Compliance Model | AFBI | | Stage 5 - Modelling Support | TBC | 2 |
| DA1110 | Upper Malone Road DA | 50 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shellfish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA1114 | Drumalig Road North DA | 6 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shellfish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA1115 | Drumalig Road South DA | 0 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shellfish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA1116 | Station Road DA | 5 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA1117 | Moneyreagh Road Galloway DA | 5 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA1118 | Comber Road DA | 5 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA1119 | Killinchy Road DA | 12 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA1120 | Kirkland Road DA | 0 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA1121 | Moss Road DA | 0 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA1122 | Pinehi l Road DA | 0 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA1123 | Ballyalton Road DA | 5 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA1126 | Horse Park DA | 6 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA1127 | Dunore Point WTW One DA | 3 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA1128 | Dunore Point WTW Two DA | 3 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA1129 | Dunore Point WTW Three DA | 3 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA1130 | Ballinderry Road DA | 9 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA1131 | Killylane WTW DA | 3 | | | | | IEM14 | Maine | Sep-23 | Aug-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA1132 | Culmore Point DA | 19 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA1133 | Longfield Eglinton DA | 235 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA1134 | Airfield Road DA | 0 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA1135 | Killea WTW DA | 3 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA1136 | Carrowclare DA | 286 | Apr-24 | Apr-24 | | | IEM09 | Foyle | Apr-23 | Oct-23 | Rurals Model Build | Rurals | Atkins | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 2 |
| DA1137 | Rosscolban DA | 3 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | No Planned Study | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | |
| DA1138 | Fardrum DA | 0 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | No Planned Study | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | |
| DA1139 | Derg WTW DA | 3 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA1140 | Glenhordial WTW DA | 3 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |

| A | | | B | | C | | D | | | | E | | | F | | G | H | I | J |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAP Information | | | Model Build Report Dates | | Needs and Options Report Dates | | Integrated Environmental Modelling (IEM) Dates | | | | DAP Information | | | IEM Information | | | IEM Information | | |
| DAP reference (linked to Table 40) | DAP Name | Population Served | Baseline Model Build Report Completion Date | Current Actual or Projected Model Build Report Completion Date | Baseline Needs and Options Report Completion Date | Current Actual or Projected Needs and Options Report Completion Date | IEM reference (linked to Table 40) | IEM Name | Baseline IEM Completion Date | Current Actual or Projected IEM Completion Date | Current Stage of DAP | DAP Model | DAP Consultant | IEM Model | IEM Consultant | | Current Stage of IEM | DAP - IEM linkage | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| DAP_ID | DAP_Name | DAP_Pop | DAP_MBR_BL_Sub_Date | DAP_MBR_CAP_Sub_Date | DAP_NOR_BL_Sub_Date | DAP_NOR_CAP_Sub_Date | IEM_ID | IEM_Name | IEM_BL_Sub_Date | EM_CAP_Sub_Date | Select DAP Stage from Dropdown | DAP Model | DAP Consultant | Select IEM Model from Dropdown | IEM Consultant | Comments | Select IEM Stage from Dropdown | Select IEM linkage from Dropdown | No. of Assets |
| DA1141 | Lough Bradan WTW DA | 6 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA1142 | Lough Macrory WTW DA | 3 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA1143 | Clady Tyrone DA | 825 | Oct-22 | Oct-22 | | | IEM09 | Foyle | Apr-23 | Oct-23 | Rurals Model Build Handover Complete | Rurals | RPS | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 3 |
| DA1144 | Drumlegagh Road South DA | 11 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA1145 | Conthem Road DA | 32 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA1147 | Rosslea DA | 755 | Jul-23 | Jul-23 | | | IEM15 | Erne | Apr-27 | Apr-27 | Rurals Model Build Handover Complete | Rurals | Atkins | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | 3 |
| DA1148 | Moneyreagh Road Pipers DA | 8 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA1149 | Stewartstown DA | 1,324 | Feb-22 | Sep-22 | Jun-23 | Feb-24 | IEM13 | Ballinderry | Sep-23 | Jun-24 | DAP Stage 4 Handover Complete | PC21 link | Atkins | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 6 |
| DA1150 | Ballyroney DA | 0 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA1152 | Moneycarrie DA | 17 | Apr-24 | Apr-24 | | | IEM16 | Lower Bann | | | Rurals Model Build | Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 1 |
| DA1153 | Airfield Road Meat Plant DA | 0 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA1154 | McLean Road South DA | 0 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA1155 | Mountcastle DA | 11 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA1156 | Beltrim DA | 15 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA1157 | Fincarn DA | 104 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 1 |
| DA1158 | Moss-side DA | 481 | Apr-24 | Apr-24 | | | IEM10 | Bush | | | Rurals Model Build | Rurals | Atkins | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | 2 |
| DA1160 | Corrinshigo DA | 0 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | |
| DA1162 | Lower Rashee Road DA | 10 | | | | | IEM19 | Six Mile Water | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA1163 | Tullynakill Road DA | 44 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA1165 | Maghera Castlewellan DA | 358 | Jul-23 | Jul-23 | | | IEM01 | Dundrum | Dec-22 | Dec-22 | Rurals Model Build Handover Complete | Rurals | Atkins | Shel fish Water Compliance Model | AFBI | | Stage 5 - Modelling Support | TBC | 4 |
| DA1166 | Legacurry DA | 156 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shellfish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | 1 |
| DA1167 | Mountjoy Omagh DA | 135 | Jul-23 | Jul-23 | | | IEM09 | Foyle | Apr-23 | Oct-23 | Rurals Model Build Handover Complete | Historical Rurals | Atkins | Shel fish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | 1 |
| DA1168 | Arney DA | 234 | Apr-24 | Apr-24 | | | IEM15 | Erne | Apr-27 | Apr-27 | Rurals Model Build | Rurals | Atkins | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | 2 |
| DA1169 | Old Holywood Road DA | 9 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shellfish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA1170 | Belleek Graffy DA | 3 | | | | | IEM15 | Erne | Apr-27 | Apr-27 | No Planned Study | No Planned Study | No Planned | River WFD Model | St ll to be tendered | | Pre Stage 1 - NI Water Scoping | TBC | |
| DA1171 | Reaskmore Road DA | 15 | | | | | IEM05 | Blackwater | Oct-23 | Apr-25 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | |
| DA1172 | Olivers Close DA | 0 | | | | | IEM07 | Ards | | | No Planned Study | No Planned Study | No Planned | Bathing Water & River WFD Model | Paused | | Paused | TBC | |
| DA1174 | Arch View Terrace DA | 0 | | | | | IEM08 | Carlingford | Dec-22 | Feb-24 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | DA physically within IEM boundary however set up as a non-modelled catchment inpu | Excluded DA | | |
| DA1175 | Ballystrudder Whitehead DA | 7,631 | | | | | IEM02 | Larne | Mar-23 | Nov-23 | LTV on Telemetry only Complete | PC27 | AH | Bathing Water & She lfish Compliance Model | Intertek | Larne IEM Project elements uploaded to | Stage 4 - Interventions | LTV DAP Pollutograph Output | 11 |
| DA1176 | Ballykinler MOD DA | 0 | | | | | IEM01 | Dundrum | Dec-22 | Dec-22 | No Planned Study | No Planned Study | No Planned | Shel fish Water Compliance Model | AFBI | | Stage 5 - Modelling Support | TBC | |
| DA1177 | Magilligan DA | 5,680 | Jan-24 | | Jan-25 | | IEM12 | North Coast | | | DAP not issued yet | | TBC | Bathing Water Compliance Model | Paused | | Stage 1 - Complete - project paused | TBC | 13 |
| DA1178 | Spelga Dam DA | 3 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA1179 | The Oyster Yard DA | 39 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA1181 | Ringneill Road 1-5 DA | 8 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA1183 | Gransha Road 26-28 DA | 5 | | | | | IEM06 | Strangford | Jun-23 | Jan-25 | No Planned Study | No Planned Study | No Planned | Shel fish Compliance & River WFD Model | Intertek | | Stage 2 - Model Build & Verification | Excluded DA | |
| DA1184 | Craigdarragh Road DA | 5 | | | | | IEM11 | Belfast | Dec-22 | Mar-24 | No Planned Study | No Planned Study | No Planned | Shellfish Compliance & River WFD Model | AFBI and Longline Environmental (LLE) | | Stage 4 - Interventions | NMC Pollutograph Output | |
| DA1185 | Roeside DA | 0 | | | | | IEM09 | Foyle | Apr-23 | Oct-23 | No Planned Study | No Planned Study | No Planned | Shellfish Water Compliance Model | AFBI and Longline Environmental (LLE) | | SWELL complete, S-O not commissioned | NMC Pollutograph Output | |
| DA1186 | Ballyworkan DA | 0 | | | | | IEM17 | Upper Bann | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA1187 | Slaght DA | 133 | | | | | IEM14 | Maine | Sep-23 | Aug-24 | No Planned Study | No Planned Study | No Planned | River WFD Model | RPS | DA physically within IEM boundary howev | Stage 2 - Model Build & Verification | Excluded DA | 1 |
| DA1190 | Drumsough Road Randalstown DA | 12 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |
| DA1191 | Drumconvis Road 58-62 DA | 9 | | | | | Not in IEM Catchment | Not in IEM Catchment | | | No Planned Study | No Planned Study | No Planned | No Planned Study | No Planned Study | | No Planned Study | No Planned Study | |

# Table 40b – Delivery of DAPS and Integrated Environmental Modelling

## Introduction

This chapter provides a report on the delivery of Drainage Area Plans (DAP) and Integrated Environmental Models (IEM) and their relationship to capital schemes planned for delivery in PC21. Additionally, there are a number of Development Objectives are also affected by the delivery of the models listed in Table 40b such as;

Development Output 25 [Addressing scope uncertainty for the Mid-term Review] now closed.
Development Output 9 [(WwPS / CSO Quality (UID)],
Development Output 19 [LWWP Networks]
Development Output 20 [LWWP Wastewater Treatment Works].

Table 40b is NI Water's one version of the truth with regard to all DAP and IEM programming and unifies all modelling studies across the country regardless of size or timescale. The information held within Table 40b is updated monthly by NIW and linked to the Corporate System. Our Corporate System is known as the DAP APP which communicates the progress of all live DAP/IEM projects and also identifies historical and future planned DAPs/IEM to the business.

Dates are now added to the date columns previously in AIR22 there was additional note within these columns such as N/A. In the case of Ballykelly Limavady [DA0844] the additional note was 'Not progressed beyond MBV', this has now been made blank, as no baseline date is available as there is no expected date. This was amended to align formatting between Table 40b and the DAP APP to ensure transfer of dates.

Table 40b links NIW's DAP and IEM programmes and articulates dependencies between both programmes of work. For any given IEM, Table 40b outlines the DAP studies feeding into it and thus allowing NIW to understand where changes to DAP delivery may have a knock on impact on IEM studies.

Table 40b facilitates linkages to be established between the DAPs, IEM work and any associated capital investment projects and outputs listed in Tables 40 and 40a. As such, Table 40b will help identify any movement in the planned delivery programme for either DAPs or IEMs is affecting the delivery of capital investment projects and associated benefits to consumers. Linkage in Table 40 is against projects related to that DAP or IEM, not all of those will be Nominated Outputs, and even some that are, such as DG5s will not be a part of Table 40a.

Handover of model results to IEM delivery team typically occurs before DAP MBV is completed. For instance, Dundrum (ref IEM01) DAP model outputs were supplied to IEM team in July 22, however the DAP MBV was not fully completed until early 2023.

The Populations stated in Table 40b are derived from the Headroom Capacity tables which are informed by AIR24 and stored in the CAR Corporate System. The process for the populations update is that the DAP APP is updated from the Headroom Capacity tables and Table40b is then updated from the DAP APP.

With regards to year on year changes, the following updates are applied to WwTW catchment PE figures:

- Trade effluent returns – provided by the Trade Effluent Section based on billed/measured trade.
- Catchment population studies – undertaken as part of a capital project or an onsite review by WW Asset Strategy team. This would include the applying of the average household size from NISRA, which may result in an overall reduction.
- The inclusion of new pointer address nodes that have been added to NI Water's GIS system within the reporting year – this is a report generated by our Asset Information team.

The application of the above updates may result in an increase or decrease.

Baseline dates for milestone delivery of modelling projects were set at AIR22 and these dates are used to monitor progress for AIR24 reporting.

In order understand potential delivery/programme risks associated with both DAPs and IEM studies, NIW has developed an Integrated Risk Register. Please refer to evidence folder.

**Validation Criteria**

There are 1,063 Drainage Areas, this is the total number of NIW catchments covering the boundary extents of sewer networks draining to WwTWs. Of the 1,063 Drainage Areas 195 DAPs are historical or ongoing DAPs.

Within Table 40b there are 1,069 rows, although there are only 1,063 Drainage Areas. Three of the Catchments North Coast, North Down and Craigavon have been disaggregated.

The IEM ID references have been reviewed since AIR22 submission. The updated IEM ID references has been agreed and discussed with NIEA in December 2022 and correlates with internal folder numbering. There are 20 IEM references; Note IEM04 is not included as the IEM04 Benone is incorporated into IEM12 North Coast.

Where no date has been inputted into either Columns 4 through to 7 or Column 10 or 11, this is due to reasons such as 'No Planned Study', 'DAP not issued yet' or 'Rurals' (small catchments no study be undertaken). If a date has been inputted into Column 4, 6 or 10, it is to be considered the completion date. Columns 5, 7 and 11 will be updated, once dates are confirmed with consultants, that allow for any delays to the dates in Column 4, 6 or 10 such as prolonged surveys.

**DAP**

NI Water has an in-house team responsible for the delivery, moving forward and the maintenance of DAP models. These models inform precautionary solutions proposed on wastewater schemes with relation to Unsatisfactory Intermittent Discharges (UIDs) and are used as an input to inform water quality studies.

As a requirement for PC21 the Utility Regulator has requested that a programme of DAPs be developed and reported on to allow early monitoring against potential slippages in the delivery of Nominated Projects.

The delivery of DAPs directly affects the ability of NI Water to deliver on its task of addressing the Scope Uncertainty issues for the Mid Term Review ("To Be Determined Projects"). Without an informed decision and recommendation from NIEA, based on model outputs, assumptions would have to be made on the potential solution, which would not give the necessary assurance required for the UR to determine on the projects in question.

The DAP programme also includes the development of models for rural catchments (typically less than 2,000 PE). The rural model build programme does not adhere the standard DAP process and therefore is not reported on in this document.

For tracking progress, DAPs have been broken down into 5 stages – refer to Table 40b methodology for details.

**IEM**

The IEM Programme is currently under development. The purpose of this Programme is to facilitate a holistic approach to assessing diffuse and point source pollution in catchments and receiving watercourses in order to better inform NIEA of the impact resulting from NI Water assets. Where an IEM can provide an evidence-based, enhanced understanding of the overall catchment context of pollution sources and their impacts, a specific solution may be proposed to deal with the NI Water impact on the watercourse. This may result in the potential lowering of NIEA consent standards or requirements.

For tracking progress, IEMs have been broken down into 5 stages – refer to table 40b methodology for details.

**Activity Completed to date and its outcome.**

To date all models expected to be delivered within years 1 and 2 of PC21 have been completed and the programmes shall be monitored on an ongoing basis for any potential variances.

As this is a new reporting requirement, it is expected that the information contained within Table 40b shall improve and grow upon completion of a fully developed IEM programme, as well as LWWP catchment monitoring plans.

**DAP Model Build Verification**

NI Water intended to complete the Model Build Report stage on 23 DAPs and 79 Rural Model Builds in the AIR24 reporting period. Of these, the 79 Rural Model Builds were completed within the AIR24 reporting period. Due to resourcing constraints both internally and within the supply chain, and other catchment commitments the 23 DAPs were not commenced. Three of these have now been released May 2024 with their programme for completion yet to be confirmed.

The relevant DAPs are listed in the excel table.

MBV and NO 220524.xlsx

**DAP Needs and Options**

NI Water intended to complete Needs and Options stage on 53 DAPs in the AIR24 reporting period. Of these, 10 were completed in the AIR24 reporting period.

The relevant DAPs are listed in the excel table above.

**IEM Model**

NI Water intended to complete six IEM studies in AIR24 (Ballinderry, Blackwater, Foyle, Maine, Moyola and Strangford). The IEM programme is a newer initiative for NI Water and

the duration of project delivery was underestimated at the outside. Although five studies were delivered during AIR24 these were delayed delivery from AIR23.

Dundrum IEM the pilot was delivered first.

Within AIR24, five IEM studies have reached Stage 3 compliance assessment as detailed within the below table.

The delivery delay will have a knock-on effect and the named AIR24 studies are reaching completion during 2024.

| IEM reference (linked to Table 40) | IEM Name | Baseline IEM Model Completion Date | Current Actual IEM Model Completion Date |
|---|---|---|---|
| IEM01 | Dundrum | Sep-22 | Dec-22 |
| IEM11 | Belfast | Dec-22 | Mar-24 |
| IEM02 | Larne | Mar-23 | Nov-23 |
| IEM03 | Newcastle | Dec-22 | Nov-23 |
| IEM08 | Carlingford | Dec-22 | Feb-24 |
| IEM09 | Foyle | Apr-23 | Oct-23 |

**Targets not delivered in period**

Table 40b indicates slippages across the DAP programme relating to both Model Build and Needs and Options stages.

- PC21 scope certainty submissions had a significant impact on the entire DAP delivery programme.
    - In catchments with named PC21 schemes (SP12B), delivery was initially focussed on specific, targeted areas of the DAP only. The wider catchment needs were subsequently delivered post scope certainty. This approach caused many of the DAP programmes to be significantly extended.
    - Due to resourcing issues in the supply chain, studies to inform PC27 were put on hold to ensure timely delivery of PC21 linked studies.
    - Design support for PC21 schemes has consumed supply chain resource and therefore also contributed to PC27 DAP delays.
- Flow Survey extensions due to inadequate rainfall events.
- Additional surveys/investigations required to support scope certainty exercise.
- Delays by NIEA regarding generation of environmental Statement of Needs caused many of the DAP delivery programmes to be put on hold.

The IEM programme is a newer initiative for NI Water and Dundrum IEM was the pilot. The AIR22 noted a further four IEM studies would also be completed by end March 2023. This has been achieved (Stage 3 compliance assessment and reporting to NIEA). These IEM studies are presented to NIEA via the Catchment Based Outcomes (CBO) Group and all data is share via the SharePoint site accessible to NIEA and DAERA.

- LWWP IEM - Belfast DAPs (Belfast, Kinnegar, Whitehouse, Seahill, Greenisland, Carrickfergus) was presented to NIEA in November 2022. The final report for the model build and compliance assessment elements was completed in April 23. (Ref - LWWP Belfast Lough Environmental Modelling Report - Issue v1)

    - All elements are shared with NIEA via the CBO SharePoint Site.
    - This study has continued through to Stage 4, and an optimised solution was presented to NIEA in March 2024 via the re-stablished CBO Group. (ref - LWWP Bacterial Compliance Options Report V1 Issue)

    - Formal NIEA sign off has not been received for the baseline results or optimised solution.
    - The optimised solution was presented to the wastewater investment group in March 2024 and a paper was provided in April 2024.
- Larne IEM was presented to NIEA in the November 2023 CBO Group meeting.
    - All elements are shared with NIEA via the CBO SharePoint Site. (Ref - CBO Larne IEM Summary Report_V2)
    - Feedback from AFBI was received and addressed by the March 2024 CBO meeting.
    - Formal NIEA sign off has not been received for the baseline results.

**Targets delivered ahead of programme in period.**

In some cases, a DAP or IEM study may be delivered ahead of baseline dates in Table 40b.

For example, in AIR23, Armagh DAP (ref DA0755) Model Build and Verification was delivered 5 months ahead of scheduled baseline delivery date.
Ballynahinch DAP (ref DA0040) Needs and Options was delivered 1 month ahead of scheduled baseline delivery date. This DAP was accelerated to facilitate PC21 capital delivery requirements.

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN- TABLE 41 KEY OUTPUTS
HEALTH & SAFETY INFORMATION (NIW only)

| | DESCRIPTION | UNITS | DP | 1 REPORTING YEAR 2015-16 | CG | 2 REPORTING YEAR 2016-17 | CG | 3 REPORTING YEAR 2017-18 | CG | 4 REPORTING YEAR 2018-19 | CG | 5 REPORTING YEAR 2019-20 | CG | 6 REPORTING YEAR 2020-21 | CG | 7 REPORTING YEAR 2021-22 | CG | 8 REPORTING YEAR 2022-23 | CG | 9 REPORTING YEAR 2023-24 | CG | 10 REPORTING YEAR 2024-25 | CG | 11 REPORTING YEAR 2025-26 | CG | 12 REPORTING YEAR 2026-27 | CG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | OCCUPATIONAL ILL HEALTH | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Employee total | nr | 0 | 1,230 | A2 | 1,246 | A2 | 1,261 | A2 | 1,277 | A2 | 1,285 | A2 | 1,291 | A2 | 1,334 | A2 | 1,395 | A2 | 1,478 | A2 | | | | | | |
| 2 | Total days lost due to sickness, accident and occupational ill health | nr | 0 | 10,395 | A2 | 10,188 | A2 | 11,268 | A2 | 11,251 | A2 | 12,929 | A2 | 9,347 | A2 | 10,944 | A2 | 10,186 | A2 | 11,064 | A2 | | | | | | |
| 3 | Total days lost - rate per 1000 employees | nr | 2 | 8,451.22 | A2 | 8,176.57 | A2 | 8,935.77 | A2 | 8,810.49 | A2 | 10,061.48 | A2 | 7,240.12 | A2 | 8,203.90 | A2 | 7,301.79 | A2 | 7,485.79 | A2 | | | | | | |
| 4 | Number of incidents of occupational ill health | nr | 0 | 134 | A2 | 135 | A2 | 143 | A2 | 176 | A2 | 192 | A2 | 119 | A2 | 171 | A2 | 168 | A2 | 183 | A2 | | | | | | |
| 5 | Incidents of occupational ill health - rate per 1000 employees | nr | 2 | 108.94 | A2 | 108.35 | A2 | 113.40 | A2 | 137.82 | A2 | 149.42 | A2 | 92.18 | A2 | 128.19 | A2 | 120.43 | A2 | 123.82 | A2 | | | | | | |
| B | RIDDOR REPORTS | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Total RIDDOR incidents | nr | 0 | 7 | A1 | 4 | A1 | | A1 | 6 | A1 | 5 | A1 | 5 | A1 | 3 | A1 | 6 | A1 | 3 | A1 | | | | | | |
| 7 | RIDDOR - rate per 1000 employees | nr | 2 | 5.69 | A1 | 3.21 | A1 | 4.76 | A1 | 4.70 | A1 | 3.89 | A1 | 3.87 | A1 | 2.25 | A1 | 4.30 | A1 | 2.03 | A1 | | | | | | |
| 8 | 3-day accident rate per 1000 employees | nr | 2 | 5.68 | A1 | 3.21 | A1 | 4.76 | A1 | 4.70 | A1 | 3.89 | A1 | 3.87 | A1 | 2.25 | A1 | 4.30 | A1 | 2.03 | A1 | | | | | | |
| 9 | Major/fatal accident rate per 1000 employees | nr | 2 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | | | | | | |
| C | AND INCIDENCE OF OCCUPATIONAL ILL HEALTH | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | Contractors' employees total | nr | 0 | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | | | | | | |
| 11 | Total days lost due to sickness, accident and occupational ill health | nr | 0 | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | | | | | | |
| 12 | Total days lost - rate per 1000 employees | nr | 2 | No data | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | Number of incidents of occupational ill health | nr | 0 | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | | | | | | |
| 14 | Incidents of occupational ill health - rate per 1000 employees | nr | 2 | No data | | | | | | | | | | | | | | 0 | | | | | | | | | |
| D | CONTRACTORS' RIDDOR REPORTS | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | Total RIDDOR incidents | nr | 0 | 7 | BX | 9 | BX | 6 | BX | 5 | BX | 4 | BX | 9 | BX | 4 | BX | 5 | BX | 8 | BX | | | | | | |
| 16 | RIDDOR - rate per 1000 contractors' employees | nr | 2 | No data | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 3-day accident rate per 1000 contractors' employees | nr | 0 | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | | | | | | |
| 18 | Major/fatal accident rate per 1000 contractors' employees | nr | 2 | 0.00 | A2 | 0.00 | A2 | 0.00 | A2 | NA | | NA | | NA | | NA | | NA | | NA | | | | | | | |

## Table 41 – Health and Safety Information (NI Water only)

### Lines 1 - 5 - Lost time

In 2023/24 financial year NI Water lost a total of 11,064 working days due to sickness which was equivalent to 7.5 working days lost per employee. The Key Performance Indicator (KPI) attendance in 23/24 was 96.5% and NI Water delivered an actual rate of 96.6%, 0.1% inside the target.

HR Advisors, in conjunction with line managers, continue to manage employee absence cases that meet the sick absence trigger points to highlight the importance of good attendance and corrective action taken where appropriate.

Human Resources work in partnership with line managers, the Employee Support Officer, Inspire (our Employee Assistance Programme provider), the occupational health provider and employees to assist those on long term sick to return to work and to facilitate reasonable adjustments where required.

Data continues to be presented to senior management on a monthly basis to provide updates on current absence levels and with the goal to maintain our business performance where the target had been achieved in the previous year. NI Water's strategic theme of 'People' which covers the absence reporting provides further insight and data to support decision making and problem solving. The data continued to be presented via Power BI as part of a dashboard suite of reports. Further information was also reported on in more detail on a quarterly basis.

Our attendance rate decreased slightly from 96.7% in 22/23 to 96.6% in 23/24. This represents a small increase in our sickness by 2% year-on-year but still within the business attendance target of 96.5% which has now been achieved in 3 out of the last 4 years.

Absences due to Covid-19 fell in 23/24 as the pandemic continued to wane, there were 82 employees off work with Covid and this contributed to 426 working days lost, this compares to the previous year where 215 employees were off work with Covid-19 related sickness and 1326 working days lost in total. 4% of the working days lost total was due to Covid-19 in 23/24 compared to just over 13% of the total working days lost in 22/23.

Cold/flu/respiratory illnesses continue to be low but showed an increase from last year. 495 working days were lost to these illnesses during 23/24, compared to 431 during 22/23.

It should be noted when considering the above figures in relation to Covid-19 and other cold/flu/respiratory illnesses that free Covid tests that helped determined the illness specifically were discontinued by the Department of Health in August 2022.

Psychiatric/psychological absences remain the highest reason for days lost due to sickness in 23/24 at 24.7% but this is a decrease from 22/23 when the percentage of total working days lost was 26.0%. The number of working days lost though for Psychiatric/psychological absences increased from 2653 in 22/23 to 2737 in 23/24. It should be noted that there has been a 6% increase in NIW headcount year-on-year.

In other areas, there was a decreased sickness in Nervous System disorders absences which dropped by 55% year-on-year. There was however a year-on-year increase in Musculoskeletal absences of 41%. There were two deaths in service this year.

Frontline operatives attended yearly medical assessments for Hand Arm Vibration, audio and working in confined spaces. NI Water also provided medical assessments for driving and HGV which is currently carried out by occupational health providers.

At NIW we make safety, health and wellbeing of our people a strategic priority. The wellbeing strategy is a collaborative approach ensuring business impact whilst fostering a culture where our staff feel psychologically and physically safe. One key ambition of our strategy is that stigmas and barriers are removed and, due to the early diagnosis of illnesses during our roadshows, we have evidence that our programme of activities saves lives.

With a dedicated wellbeing manager we offer end to end support including working with the absence management team. The success of our programmes also depends on a range of listening strategies throughout the year including surveys with specific wellbeing questions, phone calls to staff, focus groups and post-course feedback. Each programme is informed by analysis of absence data and Champion Health (APP) data to understand the variety of needs across a wide-reaching workforce.

This is accompanied by extensive benchmarking with other companies (utilities, private and public sector and best practice sharing via networks and forums across Northern Ireland.

We are recognised as an example of best practice in business excellence and care for its people through achieving business awards including the 2023 CIPD Impactful Health & Wellbeing at Work.

Focused on **4 pillars of health** (mental, physical, social, financial) the wellbeing strategy enables NIW to perform and deliver exceptional customer service. Our approach is to support our people through all of life's events. Offering a vast array of flexible and family-friendly policies for a better work-life balance complemented by seasonal health campaigns (Winter Wellness, Spring Forward, Summer Sizzlers and Abundant Autumn) featuring a targeted program of events. Interventions include inspirational speakers discussing a range of topics. Two bi-annual hybrid 6 week 'Live Well' roadshows are facilitated offering 20+ events each including 1:1 health check, vaccines (with 200 colleagues getting vaccinated in 2023), massage, eyecare, cancer screening, BP & AF and cholesterol testing.

Communication channels promoting the program include our new 'Source' wellbeing site, eye-catching e-poster campaigns, targeted emails, monthly Team Talks, virtual Town-Hall meetings.

Our employees have been able to avail of the world leading 'Netflix of Wellbeing' **Digital Health Platform** in partnership with 'Champion Health', giving 24/7 personalised access to an app. Enhancing communications with our frontline colleagues, offers masterclasses to improve sleep (shift workers) exercise, menopause, nutrition and weight management programmes. Anonymised data giving real-time insights, analytics and detailed reports helping to continue data driven decisions.

We offer a seamless experience when signing up to any of our opportunities by having a state-of-the art booking system called Thrive. This software has allowed for the doubling of attendance numbers to every session, which also helps to further analytical insight into trends with a 'dashboard' to help create, view, and manage the opportunities. Our online talks are attended by 100's of employees.

Identifying **real-life stories** across our workforce, bringing them to the masses via video storytelling delivers important health messages, creates a culture of openness, normalises

conversations around sensitive health and social issues. The strength of relationships we build with our employees has meant that they partnered with us to educate others, stepping up to tell their wellbeing stories on camera as part of important campaigns such as suicide awareness. Stories on mental & physical health, bereavement, addiction, and domestic violence are changing NIW culture. 'Men's Health Week' this year will again feature frontline colleagues speaking openly and how our male-dominated frontline workforce needs to remain aware of the signs.

This approach goes far beyond a health poster campaign, highlighting key issues we all face, helping build a happy, healthy, safe, resilient workforce and culture of looking after each other.

**Line 6 – Total RIDDOR (>3 Lost Day) Incidents**

The NI Water procedure for reporting of all incidents is set out in H&S Procedure PRO 008 within the NI Water Health & Safety Manual, (rev. March 2024). All incidents and near misses must be reported to line management as soon as practical, and at least within 24 hours of any incident. An electronic Risk Management and Reporting System (ASSURE) was utilised for recording and tracking of all incidents.

It is the relevant Line Manager's responsibility to ensure all incident details are recorded and managed within the Assure system.

Assure entries are monitored by NI Water's Health and Safety Team with statistical safety performance and trends presented monthly by the Head of Safety to the H&S Focus Group, Executive Committee and Board for consideration and discussion.

There were 3 RIDDOR (greater than) >3 Lost Day reportable incidents within NI Water during 2023/24, all of which resulted in more than 3-day work activity-related absences.

In addition to the 3 lost day RIDDOR incidents NIW also reported 1 Dangerous occurrence RIDDOR report.

All NIW RIDDOR reports are listed below,

| Incident Ref | Date of Incident | Brief Description | RIDDOR Classification |
|---|---|---|---|
| INC-000568 | 22/08/23 | Waste Water – IP injured shoulder when pulling jetter hose back. | > 3 days |
| INC-000632 | 06/11/23 | Water Supply – IP slipped on wet ground and sprained rotator cuff muscle. | > 3 days |
| INC 000666 | 20/12/23 | Networks Wastewater - IP fractured finger while opening manhole cover. | > 3 days |
| INC-000573 | 01/09/23 | Non-standard Davit socket installation. | Dangerous Occurrence |

NB: NI Water reports all over 3-day incidents under the RIDDOR (Northern Ireland) Regulations, whilst mainland GB reports on over 7-day absences, in line with legislative changes affecting only GB.

**Line 7 – RIDDOR Rate per 1000 employees**

The process, as described for Line 6 above, provides the total number of RIDDOR (>3 day) incidents, whilst the denominator, the total number of employees, has been calculated by the Human Resources (HR) Directorate as 1478. This gives the RIDDOR Rate per 1000 employees as 2.03 for 2023/24.

**Line 8 – Greater than (>) 3-day Incident Rate per 1000 employees**

As all RIDDOR incidents refer to incident-related absence (ref. line 6 commentary), the information in Line 8 mirrors that of Line 7.

**Line 9 – Major Fatal Incident Rate per 1000 employees**

The information gathering process is again as described for Line 6 above. No fatal injuries occurred during 2023/24.

**Lines 10 – 14 - Contractor Lost Time Incidents**

Contractors continue to be managed and directly engaged on a wide range of work activities, projects, and contracts on behalf of NI Water. However, core activity, from a Health and Safety perspective relates only to the assistance given by contractors in relation to the provision of water and sewerage services and includes contractors engaged in the construction of new works (ref. line 15 commentary). NI Water has, throughout 2023/24 been engaged in a continuing process of change, regarding the numbers of contractors assisting in asset delivery and improvement of this core activity, as efficiency measures continue to be put in place,

Given the changing nature of contract provision as outlined above and the variety of work undertaken, NI Water has no available methodology for calculating and determining accurately the number of contractors' staff engaged in all core related activities and this is unlikely to change, regarding the numbers of contractors assisting in asset delivery and improvement of this core activity, as efficiency measures continue to be put in place.

**Line 15 – Contractors' RIDDOR Reports**

The Northern Ireland public regards all work related with water and sewerage services, including design and build work, to be closely associated with NI Water. NI Water, in turn, recognises its own duty of care to all of its contractors as a client organisation when they are carrying out work and therefore sees its duty as one of leadership. NI Water therefore maintains a record of monitoring on all contractor and subcontractor reported incidents, which includes all incidents relating to transient workers. NI Water encourages and requires the reporting of all near-miss incidents involving contractors to facilitate a shared learning experience, in line with NI Water's 'Zero Harm' ambition.

All Contractor and subcontractor incidents are recorded on ASSURE. For 2023/24 the total number of RIDDOR related incidents resulting in lost time, reported to NI Water by all contractors was 8. This was an increase in reports compared to 5 reported incidents last year. Contractor performance continues to be monitored by NI Water's H&S Focus Group, by Executive Committee and by Board at their monthly meetings. On a Quarterly basis Risk Committee also consider and review safety performance, recent incidents and trend analysis of both NI Water staff and contractor performance.

In addition to the 8 lost day RIDDOR incidents reported by NIW contractors, 3 dangerous Occurrence RIDDOR reports were also reported.

All NIW contractor RIDDOR reports are listed in the table below,

| Incident Ref | Incident Date | Brief Description | RIDDOR Classification |
|---|---|---|---|
| INC-000513 | 08/08/23 | IP sustained crush injury from trench box. | > 3 days |
| INC-000532 | 27/06/23 | IP tripped on their hose and fractured bone in foot. | > 3 days |
| INC-000561 | 08/08/23 | IP struck on head by concrete skip. | > 3 days |
| INC-000558 | 10/08/23 | IP jumped down from scaffold and fractured bone in foot. | > 3 days |
| INC-000562 | 14/08/23 | IP broke foot bone while getting out of tractor. | > 3 days |
| INC-000711 | 30/01/24 | IP struck up car during road works injuring foot & hand. | > 3 days |
| INC-000744 | 13/03/24 | IP struck by tractor. | > 3 days |
| | | | |
| INC-000495 | 25/4/23 | IP felt faint while working in a chamber. (1 lost day) | Dangerous Occurrence |
| INC-000525 | 17/06/23 | Overhead power cable broken. | Dangerous Occurrence |
| INC-000539 | 03/07/23 | Gas line strike. (>500kg lost) | Dangerous Occurrence |
| INC-000580 | 12/08/23 | Fracture – member of the public. | Dangerous Occurrence |

**Lines 16 - 17 – Contractor RIDDOR and >3 Day Incident Rates**

Information is not collected for this line, as NI Water has no available methodology for calculating and determining accurately the numbers of direct contractor employees working on all NI Water contracts. Incident Rates therefore become difficult to calculate.

**Line 18 – Contractor Major Fatal Incident Rate per 1000 employees**

There were no fatal incidents connected with NI Water contractors /sub-contractors, including transient workers, during 2023/24.

**NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN**

**ANNUAL INFORMATION RETURN- TABLE 42 PPP REPORTING**
**PPP REPORTING**

| | DESCRIPTION | UNITS | DP | CG | Corresponding Report | Calculation | SCHEME | SCHEME | SCHEME | SCHEME | SCHEME | SCHEME | SCHEME | SCHEME | SCHEME | SCHEME | SCHEME | SCHEME | SCHEME | SCHEME | SCHEME | SCHEME | | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A** | **PROJECT DESCRIPTION** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | PPP Concession | text | na | | na | | Alpha | Alpha | Alpha | Alpha | Alpha | Alpha | Alpha | Kinnegar | Omega | Omega | Omega | Omega | Omega | Omega | Omega | Omega | Omega | Alpha | Kinnegar | Omega | Water Service | Sewerage Sevice |
| 2 | Service Area | text | na | | na | | WT | WT | WT | WT | WD/WT | WD | WD | WWT | WWT | WWT | WWT | WWT | WWT | WWS | WWS | WWS | WWS | All | All | All | | |
| 3 | Name of works | text | na | | na | | Balinrees | Castor Bay | Dunore Point | Moyola | DBFO LM & FKd BDG Cont TK | Ballymoney LM | Limavady LM | Kinnegar | Richhill | Armagh | Ballynacor | North Down | Ballyrickard | Ballynacor Lagoons | Ballynacor | Duncrue | Sludge Service | Total | Total | Total | Total | Total |
| 4 | Commencement date | date | na | | na | | 10/10/2008 | 09/12/2008 | 11/12/2008 | 16/09/2008 | 16/12/2008 | 15/10/2008 | 15/10/2008 | 24/05/2001 | 08/04/2009 | 27/08/2009 | 14/11/2009 | 05/05/2008 | 20/04/2009 | N/A | 31/03/2010 | 31/03/2010 | 31/03/2010 | | | | | |
| 5 | Service duration | yrs | 0 | | na | | 23 | 23 | 23 | 23 | 23 | N/A | N/A | 23 | 23 | 23 | 22 | 24 | 23 | N/A | 22 | 22 | 22 | | | | | |
| 6 | Service completion date | date | na | | na | | 30/05/2031 | 30/05/2031 | 30/05/2031 | 30/05/2031 | 30/05/2031 | N/A | N/A | 23/04/2024 | 07/03/2032 | 07/03/2032 | 07/03/2032 | 07/03/2032 | 07/03/2032 | 07/03/2032 | 07/03/2032 | 07/03/2032 | 07/03/2032 | | | | | |
| **B** | **PAYMENT TO PPP CONCESSIONAIRE** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Unitary Charge Capacity | £m | 3 | | na | | 3.911 | 6.326 | 7.069 | 2.934 | 0.824 | 0.675 | 0.818 | | | | | | | | | | | 22.557 | | | 22.557 | |
| 8 | Unitary Charge Variable | £m | 3 | | na | | 0.619 | 2.190 | 1.989 | 0.410 | 0.000 | 0.000 | 0.000 | | | | | | | | | | | 5.208 | | | 5.208 | |
| 9 | Unitary Charge Deductions | £m | 3 | | na | | -0.038 | -0.233 | -0.085 | -0.028 | 0.000 | 0.000 | 0.000 | | | | | | | | | | | -0.384 | | | -0.384 | |
| 10 | Atypical expenditure | £m | 3 | | na | | | | | | | | | | | | | | | | | | | -0.770 | | | -0.770 | |
| 11 | Efficiency Gains, included in 7 & 8 | £m | 3 | | na | | | | | | | | | | | | | | | | | | | -0.703 | | | -0.703 | |
| 12 | Total PPP Payments (7to 10) | £m | 3 | | na | Sum 7 to 10 | 4.492 | 8.283 | 8.973 | 3.316 | 0.824 | 0.675 | 0.818 | | | | | | | | | | | 26.611 | | | 26.611 | |
| 13 | Capital repayment | £m | 3 | | na | | 0.959 | 1.537 | 1.710 | 0.719 | 0.217 | 0.178 | 0.215 | | | | | | | | | | | 5.535 | | | 5.535 | |
| 14 | Maintenance | £m | 3 | | na | | 0.265 | 0.481 | 0.569 | 0.201 | 0.000 | 0.000 | 0.000 | | | | | | | | | | | 1.516 | | | 1.516 | |
| 15 | Residual interest | £m | 3 | | na | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | Atypical payments capitalised | £m | 3 | | na | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | | | | | 0.000 | | | 0.000 | |
| 17 | Total capitalised (13 to 16) | £m | 3 | | na | Sum 13 to 16 | 1.224 | 2.018 | 2.279 | 0.920 | 0.217 | 0.178 | 0.215 | | | | | | | | | | | 7.051 | | | 7.051 | |
| 18 | Total PPP Expensed (12-17) | £m | 3 | | na | Lines 12-17 | 3.268 | 6.265 | 6.694 | 2.396 | 0.607 | 0.497 | 0.603 | | | | | | | | | | | 19.560 | | | 19.560 | |
| 19 | Interest | £m | 3 | | na | | 0.848 | 1.359 | 1.512 | 0.635 | 0.192 | 0.157 | 0.190 | | | | | | | | | | | 4.893 | | | 4.893 | |
| 20 | Total PPP Opex (18-19) | £m | 3 | | na | Line 18-19 | 2.420 | 4.906 | 5.182 | 1.761 | 0.415 | 0.340 | 0.413 | | | | | | | | | | | 14.667 | | | 14.667 | |
| **C** | **WATER DISTRIBUTION DATA** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | Distribution input | Mld | 2 | B2 | Table 10 Line 26 | | 28.47 | 113.12 | 113.84 | 15.58 | | | | | | | | | | | | | | 271.01 | | | 271.01 | |
| 21a | Water Treatment Works Capacity | Mld | 0 | A1 | | | 50 | 147 | 180 | 19 | | | | | | | | | | | | | | 396 | | | 396 | |
| 22 | Length of mains | km | 2 | A2 | Table 11 Line 12 | | | | | | 16.42 | 0.00 | 0.00 | | | | | | | | | | | 16.42 | | | 16.42 | |
| **D** | **WATER RESOURCE AND TREATMENT DATA** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | Turbidity 95%ile greater or equal to 0.5NTU | 1/0 | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 | | | 0 | |
| 24 | Turbidity 95%ile less than 0.5NTU | 1/0 | 0 | 0 | | | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | | | 5 | | | 5 | |
| 25 | Source Type | text | na | A1 | Table 12 Block A | | IR x 2 + River | River | River | River | | | | | | | | | | | | | | 2 x I.R. 4 x River | | | 2 x I.R. 4 x River | |
| 26 | Treatment type | text | na | A1 | Table 12 Block B | | W4 | W4 | W4 | W4 | | | | | | | | | | | | | | 4 x W4 | | | 4 x W4 | |
| 27 | Average pumping head | m.hd | 1 | B3 | Table 12 Block A | | 120.4 | 137.5 | 173.0 | 146.5 | | | | | | | | | | | | | | 151.9 | | | 151.9 | |
| **E** | **SEWERAGE DATA** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | Total length of sewer | km | 2 | B2 | | | | | | | | | | 0.00 | 0.00 | 0.00 | 10.50 | 10.63 | 0.00 | | | | | | 0.00 | 21.13 | | 21.13 |
| 29 | Total length of critical sewer | km | 2 | B2 | | | | | | | | | | 0.00 | 0.00 | 0.00 | 10.50 | 10.63 | 0.00 | | | | | | 0.00 | 21.13 | | 21.13 |
| **F** | **SEWAGE TREATMENT AND DISPOSAL DATA** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | Population equivalent of total load received | 000 | 0 | B3 | Table 17b line 2 | | | | | | | | | 89 | 2 | 14 | 128 | 80 | 48 | | | | | | 89 | 272 | | 361 |
| 31 | Load received by STW's | kg BOD/day | 0 | B3 | Table 17d | | | | | | | | | 5358 | 134 | 843 | 7675 | 4781 | 2856 | | | | | | 5358 | 16289 | | 21647 |
| 32 | Suspended solids consent | mg/l | 0 | A1 | Table 17b line 3 | | | | | | | | | 45/150 | 20/50 | 20/50 | 35/- | 35/90 | 10/30 | | | | | | | | | |
| 33 | BOD5 consent | mg/l | 0 | A1 | Table 17b line 4 | | | | | | | | | 25/80 | 07/30 | 08/30 | 25/50 | 25/50 | 10/35 | | | | | | | | | |
| 34 | COD consent | mg/l | 0 | A1 | Table 17b line 5 | | | | | | | | | 125 | 125 | 125 | 125 | 125 | 125 | | | | | | | | | |
| 35 | Ammonia consent | mg/l | 0 | A1 | Table 17b line 6 | | | | | | | | | 0.00 | 02/10 | 02/10 | 7.5/32 | 0.00 | 0.00 | | | | | | | | | |
| 36 | Phosphates consent | mg/l | 0 | A1 | Table 17b line 7 | | | | | | | | | 0.00 | 0.00 | <1 Ann Avg | <1 Ann Avg | 0.00 | 0.00 | | | | | | | | | |
| 37 | Classification of Treatment Works | text | na | A1 | Table 17b line 8 | | | | | | | | | SAS | TA1 | TA2 | TA2 | TA2 | TA2 | | | | | | | | | |
| 38 | Size band of sewage treatment works | nr | 0 | B3 | Table 17c | | | | | | | | | 6 | 4 | 5 | 6 | 6 | 6 | | | | | | | | | |
| **G** | **SLUDGE TREATMENT AND DISPOSAL DATA** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | Total sludge imported from NI Water | ttds | 3 | B2 | | | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 5.435 | 24.105 | 29.540 | | 0.000 | 29.540 | | 29.540 |
| 39a | Total sludge imported from other PPP facilities | ttds | 3 | A1 | | | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | 0.000 | 0.000 | | 0.000 |
| 40 | Sludge produced by the PPP facility | ttds | 3 | B2 | | | | | | | | | | 0.750 | 0.066 | 0.415 | 2.737 | 1.469 | 1.058 | 0.000 | 0.000 | 0.000 | 0.000 | | 0.750 | 5.744 | | 6.494 |
| 41 | Sludge exported to Duncrue Incinerator | ttds | 3 | B2 | | | | | | | | | | 0.750 | 0.066 | 0.415 | 2.737 | 1.469 | 1.058 | 0.000 | 0.000 | 0.000 | 0.000 | | 0.750 | 5.744 | | 6.494 |
| 42 | Sludge exported to other PPP facilities | ttds | 3 | B2 | | | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | 0.000 | 0.000 | | 0.000 |
| 43 | Sludge exported to NI Water | ttds | 3 | A1 | | | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | 0.000 | 0.000 | | 0.000 |
| 44 | Sludge disposed of from site to - Farmland Untreated | ttds | 3 | A1 | Table 17G Col 1 | | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | 0.000 | 0.000 | | 0.000 |
| 45 | Sludge disposed of from site to - Farmland Convestional | ttds | 3 | A1 | Table 17G Col 2 | | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | 0.000 | 0.000 | | 0.000 |
| 46 | Sludge disposed of from site to - Farmland Advanced | ttds | 3 | B3 | Table 17G Col 3 | | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 2.865 | | 0.000 | 2.865 | | 2.865 |
| 47 | Sludge disposed of from site to - Incineration | ttds | 3 | B3 | Table 17G Col 4 | | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 32.932 | | 0.000 | 32.932 | | 32.932 |
| 48 | Sludge disposed of from site to - Landfill | ttds | 3 | B3 | Table 17G Col 5 | | | | | | | | | 0.063 | 0.000 | 0.002 | 0.041 | 0.054 | 0.039 | 0.000 | 0.000 | 0.000 | 0.004 | | 0.063 | 0.140 | | 0.203 |
| 49 | Sludge disposed of from site to - Composted | ttds | 3 | A1 | Table 17G Col 6 | | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | 0.000 | 0.000 | | 0.000 |
| 50 | Sludge disposed of from site to - Land Reclamation | ttds | 3 | B3 | Table 17G Col 7 | | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.237 | | 0.000 | 0.237 | | 0.237 |
| 51 | Sludge disposed of from site to - Other (Willow Coppice) | ttds | 3 | A1 | Table 17G Col 8 | | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | 0.000 | 0.000 | | 0.000 |
| 52 | Sludge disposed of from site - Total | ttds | 3 | B2 | Table 17G Col 9 | | | | | | | | | 0.063 | 0.000 | 0.002 | 0.041 | 0.054 | 0.039 | 0.000 | 0.000 | 0.000 | 36.038 | | 0.063 | 36.174 | | 36.236 |

# Table 42 – PPP Reporting

## Preface

The Company highlights that on the 20 November 2017 a newly formed holding company subsidiary, NIW Clear Ltd, acquired sole ownership of both the Alpha PPP Contractor (Dalriada Water Ltd) and the Alpha PPP Operating Company (Kelda Water Services Alpha Ltd). These entities were acquired through a competitive bid process conducted by the previous owners, Kelda Water Services Ltd, which commenced in December 2016, following Kelda's announced sale of all their UK PPP/PFI water and energy commitments in September 2016. Post-acquisition, the contractual arrangements between the parties, including the senior lenders, has remained in place. There are no plans to collapse the Alpha PPP contract.

The reporting arrangements in Table 42 below remain unaffected by the acquisition and subsequent continuation of the existing commercial arrangements.

*Note: As the atypical expenditure and efficiency gains are not divisible by site the cross tots on lines 10 & 11 will not agree to the figures in the total column – the figures included in the total columns are correct for each concession.*

**Line 7 - Unitary charge capacity** (No change to methodology)

The Unitary Charge Capacity Charge applies to Alpha only. The data used is derived from the invoices received from the Contractor, which separates the Unitary Charge Capacity Charge from the Unitary Variable Charge and the relevant Unitary Charge Performance Deductions, all in accordance with the Payment Mechanism Schedule of the Contract. Costs have increased by 5.6% (£22.557m vs £21.353m in AIR23) due to an inflationary uplift in tariffs.

**Line 8 - Unitary charge variable** (No change to methodology)

The Unitary Charge Variable Charge applies to all three PPP Contracts. The data used is derived from the invoices received from the Contractor which set out the Unitary Charge Variable Charge claimed. There are no payments in respect of the Ballynacor Sludge Facility and the Duncrue St Sludge Facility, rather a payment in respect of the Sludge Disposal Services.

In total, costs on this line have increased by 16.8% from the previous year, driven by a combination of inflation and flow variations in the year. In terms of flow variations, the movements are as follows:

Alpha – variable costs have increased by 11.8% ([redacted] vs [redacted] in AIR23).
Although DI from the Alpha sites reduced by 2.4% (271.6 ML/D vs 278.3 ML/D in AIR23), tariffs were uplifted by 12.6% in April-23 based on Mar-23 RPIX.

Omega – variable costs have increased by 18.3% (£34.153m vs £28.871m in AIR23).
This is made up of costs in relation to waste water and Sludge Disposal Services (SDS) as follows:

- Waste water - flows have increased by 15.2% compared to the previous reporting year (38.9 Mm3 vs 33.8 Mm3 in AIR23) which may be linked to increased rainfall in the reporting year which was 25.5% higher than the prior year. Overall, there was a 25.7% increase in variable costs ([redacted] vs [redacted] in AIR23). This includes the impact of tariffs which were increased by 4.1% in Jan-24 (based on Nov-23 RPIX) following a 13.5% increase in Jan-23.

- SDS – sludge volumes have reduced slightly from AIR23 with a 1.6% reduction (35.9k TDS vs 36.5 TDS in AIR23). There was a 7.6% increase in variable costs ([redacted] vs [redacted] in AIR23)

Kinnegar – variable costs increased by 7.6% (£2.540m vs £2.360 in AIR23).

**Line 9 - Unitary charge deductions**

By contract definition, where the PPP Contractors invoice to an amount higher than the amount payable in accordance with the relevant Payment Mechanisms, the variance becomes a disputed amount. The Company recognises the disputed amount as an outstanding liability until such time as the Parties choose to have the dispute determined, or agree an amount for payment with credit note issued for closure as appropriate.

**Alpha**

The Alpha Contractor, through engagement, invoices to the agreed amount which includes the relevant Performance Deductions. These Deductions are in accordance with the Payment Mechanism for failure events identified and can be separated by Facility (Scheme) as per the Payment Mechanism. Performance deductions in the reporting year were [redacted], an increase of [redacted] on the prior year amount of [redacted].

**Omega**

Following the settlement agreement, Glen Water have commenced declaring performance deductions on their monthly invoices, however, as it is still their intention to submit waiver requests, we have made appropriate accrual for these amounts and not released any amounts as performance deductions in the AIR24 period (£47k reported in AIR23)

**Kinnegar**

No performance deductions reported.

**Line 10 - Atypical expenditure**

**Alpha (-£0.770m)**

| | £m |
|---|---|
| Quality Monitoring Change credit | -0.621 |
| EIB Step-down | -0.067 |
| Refund in respect of reorganisation costs | -0.082 |
| **Total** | **-0.770** |

- As a result of the Quality Monitoring Change to the Contract an amount is deducted from the Alpha monthly invoice to reflect the reduced costs from lab services being carried out in house by NIW. The deduction amounted to £0.621m in the reporting year.
- In 2023/24 a reduction of £0.067m was realised in the unitary charge tariffs resulting from the EIB step-down. This was a pre-set change in the 45% finance provided by EIB, conditional upon achieving operational performance and Special Purpose Company (SPC) debt cover ratio targets.
- An agreement is in place to provide for a change in unitary charge arising from the lower number of TUPE transferees than that anticipated at financial close. The parties have agreed to reflect the variance in semi-annual Project Costs as per the Financial Model by making adjustments in the monthly invoice at the end of each Semi Annual Period. To this extent the repayments made in the reporting year were £0.082m.

**Kinnegar** [redacted] – relates to handback expenditure

**Omega** [redacted]

| | £m |
|---|---|
| | |
| Supplemental 4 agreement | [redacted] |
| Change in calibration frequency | |
| Omega Settlement Accounting | |
| BREF | |
| Other | |
| **Total** | |

- As a result of Omega Supplemental Agreement 4, executed in 2011/12, an amount is deducted from the monthly invoice to reflect the change in wastewater flow management performance requirements. The deduction amounted to [redacted] in the reporting year.
- During 2013/14 a service level change was implemented relating to the frequency of calibration of the Sludge Cake Weighbridge at Duncrue St. This resulted in a [redacted] saving in the reporting year.
- Omega Settlement Accounting – IFRS accounting adjustments agreed with external auditors – relates to movement in constructive liabilities.
- BREF (EU Best Available Techniques reference documents (BREFs)) - The BREFs are a series of reference documents covering, as far as is practicable, the industrial activities listed in Annex 1 to the EU's IPPC Directive (integrated pollution, prevention and control). They provide descriptions of a range of industrial processes and for example, their respective operating conditions and emission rates. Member States are required to take these documents into account when determining best available techniques generally or in specific cases under the Directive. The additional amounts in Omega are in relation to a change in law, i.e. revisions to the Industrial Emissions Directive (IED), where they intend to apply 'Best Available Techniques' to cover industrial activities to ensure sectors with significant potential for high pollution curb environmental damage at source. NIW will be responsible for additional costs via an authority change.
- Other – relates to accrual and release of prior year performance deductions and other minor costs including out of spec sludges at the Kinnegar site.

**Line 11 - Efficiency Gains**

The Company has transferred the cost risk of service provision (other than where relating to a Change in Law) to the Concessionaires, excluding the cost of electricity in Alpha and Omega. In so doing, the Concessionaires carry the downside risk of costs materializing and the benefits where they do not. The Company does not have the right to cost savings for **the same level of service** where the contractor has internally identified means of securing such savings.

Post procurement any reduction in the Company PPP Unitary charge costs (whether identified by the Company or the Concessionaires) emanate only from a Change in the level of service.

The following Changes for cost reduction have resulted in efficiency gains in the reporting year against the baseline contract at award:

**Alpha (£0.703m)**

The reorganisation costs credit (£0.082m), quality monitoring change (£0.621m) all detailed above are efficiency gains arising in the reporting year.

**Omega** [redacted]

Supplemental Agreement 4 executed in 2011/12 reflecting a change in wastewater flow management performance requirements resulted in a [redacted] deduction in the reporting year.

The change in weighbridge calibration frequency implemented in 2013/14 resulted in [redacted] of savings.

**Kinnegar**

No Contract Changes for cost reduction have been implemented during the Reporting Period.

**Line 13 - Capital repayments**

This line reflects the element of unitary charge payments allocated as capital repayments of the finance lease creditor. The data is consistent with the Company's financial accounts. The site split of the capital repayment is calculated as follows:

**Alpha:**

| Capital Repayment and Interest | Capacity Charge by Site | L14 Capital Maint | Capacity Charge less Cap Maint | Pro Rata Interest | Pro Rata Capital |
|---|---|---|---|---|---|
| Dunore Point | 7,069 | 568 | 6,501 | 1,512 | 1,710 |
| Castor Bay | 6,326 | 481 | 5,844 | 1,359 | 1,537 |
| Moyola | 2,934 | 201 | 2,732 | 635 | 719 |
| Ballinrees | 3,911 | 265 | 3,646 | 848 | 959 |
| Ballymoney LM | 675 | | 675 | 157 | 178 |
| Limavady LM | 818 | | 818 | 190 | 215 |
| CB to FB LM | 824 | | 824 | 192 | 217 |
| | 22,557 | 1,516 | 21,041 | 4,893 | 5,535 |

**Omega:**

| Allocation of capital repayment & interest | Initial Capital | Capital Repayment | Interest |
|---|---|---|---|
| Richill | [redacted] | [redacted] | [redacted] |
| Armagh | | | |
| Ballynacor | | | |
| NDA | | | |
| Ballyrickard | | | |
| SDS | | | |

(The above tables are extracted from an excel spreadsheet with totals based on rounded values, figures expressed in £'000)

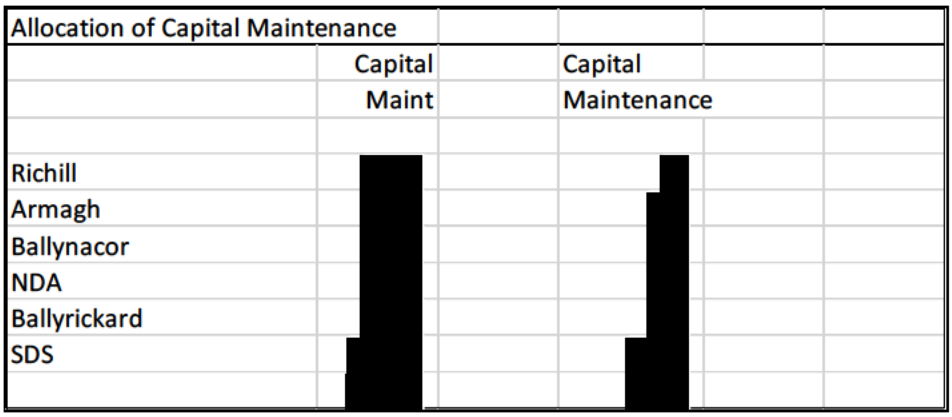
### Line 14 - Capital maintenance

Capital maintenance is allocated straight line across the life of the contracts following a change implemented in 2013/14. This correctly reflects that the unitary charge does not fluctuate with changes in the capital maintenance spend in any year. This straight line amount has been allocated to the sites on the basis of the total amounts included in the original financial models as follows:

**Alpha:**

| Capital Maintenance | To End per Fin Model | After Indexation | 2023/24 |
|---|---|---|---|
| Dunore Point | 6,407 | 10,510 | 568 |
| Castor Bay | 5,429 | 8,904 | 481 |
| Moyola | 2,272 | 3,727 | 201 |
| Ballinrees | 2,985 | 4,897 | 265 |
| | 17,094 | 28,037 | 1,516 |

**Omega:**




(The above tables are extracted from an excel spreadsheet with totals based on rounded values, figures expressed in £'000)

### Line 16 - Atypical payments capitalised

Nil

### Line 19 - Interest

On adoption of IFRS in regulatory reporting in 2018/19, all contracts are now on-balance sheet and for each, the Company has recognised a finance lease creditor on its balance sheet. Entries to this line represent the notional interest on the finance lease. The data is consistent with the Company's financial accounts. See line 13 above for site allocation workings.

**Additional Information - Consistency with the Company Accounts**

The total unitary charge by contract reported in Table 42 is consistent with NIW's audited accounts. Following the move to IFRS reporting within AIR all contracts are now on balance sheet and residual interest is no longer reported.

In line with the guidance, a breakdown of the accruals / intercompany balances included in the year-end accounts in relation to each of the PPP contracts is as follows:

| Figures in £'m | Alpha | Omega | Kinnegar | Total |
|---|---|---|---|---|
| | £m | £m | £m | £m |
| Unitary Charge | 2.177 | [redacted] | [redacted] | [redacted] |
| Disputed Amts | 0.000 | | | |
| BREF | 0.000 | | | |
| Other | 0.000 | | | |

Of the [redacted] included for Omega, [redacted] relates to the outstanding monthly unitary charge invoices for February & March 2024 which was unpaid at 31 March 2023. Also included in this amount is [redacted] of additional unitary charge arising from the Ballynacor TDS mandatory contract change which became effective from 1 April 2010 and was agreed during 2013/14.

**Contracted Adjustments to Payment Mechanisms**

**Omega:** The Company has notified a change in the requirements for Faecal Coliform performance at North Down Ards WWTW in line with its contractual entitlement. This has resulted in the predetermined [redacted] in Unitary Charge on every day outside of the regulatory Bathing Season coming into effect since September 2011.

The Company and the Contractor have agreed the outcome of the mandatory process to correct Ballynacor tariffs and tariff bands in the event that the actual DWF encountered was similar to that determined in the pre contract Flow surveys, and not as low as that upon which the Contractor conditioned his bid tariffs upon. The result of the process is that the tariff for Ballynacor flows is marginally reduced for the remainder of the contract with effect from 1st January 2014.

The Company and the Contractor have engaged regarding the Contracted change [Schedule Defined] to the Sludge Lagoons at Ballynacor; which was valued at [redacted]. This has been effectively complete in Autumn 2015, the remaining [redacted] to finalise [Landscaping] was completed by August 2016.

**Alpha:** The EIB Step Down clause has become effective in the Alpha contract, with a resultant reduction in European Investment Bank interest charging to Dalriada Water, and the Unitary Charge being reduced by the predetermined contractual amounts for the remainder of the EIB loan period (2027). The amounts are, by agreement, deducted monthly from invoices rather than driving a new Unitary Charge tariff at considerable project expense (and loss of benefit).

**Changes to the Contracts**

- **Omega: Supplemental Agreement 3**

  This was executed during August 2011 to clarify the sludge performance requirements and deal with commercial matters surrounding uncertainty of sludge services performed in AIR11 period.

- **Omega: Supplemental 4**

  This was executed on 6th April 2012. It clarified the wastewater treatment flow management requirements to a measurable output, and in so doing dealt with the commercial issues surrounding disputed underperformance and payment entitlements in this area since May 2008. The Agreement also enabled the Company to reduce its monthly unitary charge liability by [redacted] (indexed) for the remainder of the contract term. A further passing down of rights and obligations in respect of NIE easements was included.

- **Omega: Change in Contractors Proposals – Duncrue St Centrifuge**

  In December 2012 the Company accepted a change in the contractor's asset base at Duncrue St, whereby the Contractor installed a Centrifuge in preference to the four belt presses inherited at Service Commencement. Whilst this improvement was funded by the Contractor and not the Company, the Company established an estimated change in electricity consumption liability and the Contractor agreed to fund the additional consumption at current tariffs (+ indexation), through a new payment Clause in the contract – consistent with the risk allocation at contract award.

- **Omega: Ballynacor Sludge Dewatering Plant Change**

  A pre-determined Change in the sludge disposal tariff arising from the underperformance of the Company's new Ballynacor Sludge Dewatering Facility following its initial commissioning in 2006/ 2007 during contract negotiations.

  The Omega contract was awarded on the understanding the new plant would be capable of producing >22% DS content in the years preceding Service Commencement.

  As was the case, records demonstrated the Company was only capable of achieving 19.6% DS operation during this period.

  The pre-determined (as agreed at Contract Award) cost reimbursement mechanism applies with the result that a schedule of semi-annual additional payments take place, dating back to Service Commencement in March 2010.

  Whilst the Contractor initially disputed the sums due, they finally conceded Company's valuation of such historical and future payments in September 2013.

  The cost of this mandatory change is approximately [redacted] (indexed) every semi-annual period until contract expiry in 2032.

- **Omega: Duncrue St Weighbridge Calibration Change**

  The weighbridge is integral to the determination of tonnes dry solid sludge for disposal and thus payment. The weighbridge is calibrated weekly and has never been outside calibration since first used in March 2010. The parties have agreed a cost reduction measure reducing the calibration to every 3 months. The cost saving to the Contractor is [redacted] and is shared 50:50 with the Company. The arrangements have been in effect since 3 December 2013.

- **Omega: Duncrue St Condenser Change**

  An Authority Change issued in advance of Service Commencement in 2009 to deal with a defective existing asset. Whilst the work was completed in 2009 the costs were only agreed in late 2013, with payment by the Company in 2014/15

- **Omega: Small Works NDA Access Change**

A [redacted] Change to pay for securing alternative access road at North Down Ards; a legacy from Water Service Deed of purchase of NDA lands in 2005 where the seller had the right to close up existing NDA access and provide alternative access and a Deed of Easement. Work is complete and payment has been made.

- **Omega: Richill DWF Change**

  The DWF into Richhill WWTW is lower than anticipated at commercial close, resulting in an unjust negative payment to the contractor at low flows due to a pre-agreed constant value for 0.8DWF. The parties have agreed an alternative value for the constant in the payment mechanism.

- **Omega: Donaghadee PS ICA Change**

  The Contractor offered and the Company accepted an energy saving change in the control of Donaghadee PS. The Company invested [redacted] in the project which has a payback in terms of electricity costs of <2 years. The project was delivered at the start of the AIR18 period.

- **Omega: Ballynacor WwTW Increased Capacity for Trade Effluent**

  At contract formation in 2007, the Company purchased a headroom for Trade Effluent of 500,000kg COD at Ballynacor WwTW for the term of the Contract. In 2016 the Company granted a Trade Effluent Discharge Consent to a trader in the Ballynacor Catchment which, in aggregate with all other active consents, has resulted in the purchased headroom being exceeded. This has triggered the Company's contractual liability to extend the treatment capacity. The parties are in discussion as to the most appropriate means of dealing with the fact that NIW now requires increased Trade Effluent capacity for the remaining term of the Contract.

- **Omega: Energy Gains Projects 2020**

  The Company has elected to invest [redacted] in a series of energy improving asset amendments identified by the Contractor as part of its annual obligation to review and suggest energy improvements. These included the syphon discharging at Bullay's Hill PS, SBR optimisation at North Down WWTW, pump control optimisation at Briggs Rock PS, Actuator controls at Armagh WWTW, and LED lighting at Duncrue ST Sludge Facility**.**

- **Omega: Settlement Agreement 17 August 2021**

  The Company has entered into a settlement agreement in respect of the outstanding claims and rights of both parties at 17 August 2021. The main elements of the agreement are:

  - All parties have ceded all historic rights of claim/ counter claim, with minor specified exceptions
  - The Company has made a payment of [redacted] to Glen Water
  - The Company and Glen Water have entered into an amended and restated Contract with the following key amendments:
    - Glen Water shall spend approximately [redacted] in (i) enhancing the hydraulic and treatment capacity of Ballynacor WWTW (ii) enhancing the dry solids content output of Ballynacor Sludge Facility (iii) enhancing the dry solids quality and asset resilience at Duncrue St Sludge Facility (iv) improving the Duncrue St steam turbine output and (v) measuring the real time influent loading at all Omega WWTWs.
    - Sharing the benefits of electricity generated & ROC's from Duncrue St turbine
    - Redefining the triggers and processes for growth investment in WWTW

- Realigning contract performance to WOC/IPPC standards
- Resetting the standard of Company's sludge

- **Omega: Discriminatory Change in Law: Incinerator BREF Change**
  The Contractor has served an indicative Notice that a Change in Law has occurred with the introduction of new Best Available Technology guidance for incinerator emissions (BREF) due to come in force by December 2023. Work continues to assess the impact of the change on both monitoring and abatement of emissions, both of which will be for the Company's account. Final Costs have not been determined at 1st April 2024.

- **Omega: Change to definition of Trade Effluent consents**
  Change made to the trigger level of Fats Oils Grease (FOG) levels which trigger a consultation with the Contractor before a traders in Omega catchments are issued with a Trade Effluent Consent.

- **Omega: Seagoe Network Syphon Investigations 2023**
  Small Works Change to allow the Company access and to control flows at Seagoe PS in order for the Company to investigate and clean the network syphon pipes upstream of the Seagoe Pumping Station.

- **Kinnegar: Supplemental Agreement 2**
  This commercial agreement resolved historical disputed payments, along with affecting a new odour model for the works and creating new contractor obligations in terms of regulatory reporting and sampling consistent with current Company obligations not envisaged at the time of procurement.

- **Kinnegar: Clause 10 Payment**
  A Variation was required in relation to the provision of the Holywood C Pumping Station by NI Water E&P, requiring part of the Leased Premises being returned to Company occupation, and the reimbursement of the Contractors costs with altering the necessary sewerage infrastructure. These costs amounted to [redacted] This value was paid to the Contractor on 30th January 2015.

- **Kinnegar: Financial Model Storage Arrangements**
  The Company and the Contractor have terminated the arrangements to keep a copy of the financial model with a third party.

- **Kinnegar: Early Debt Repayment Change**
  The Contractor has repaid the outstanding senior debt 15 months earlier than required.

- **Kinnegar: Lease Change 2020**
  The parties agreed to amend the Lease to allow for a contractor related affiliated company to be engaged by the Company to provide an electrolyser demonstrator project on the site. This project has no other impact on the PPP services.

- **Kinnegar: Change to Treated Effluent Sampling Frequency 2022.**
  In response to resourcing issues within the Company's UKAS accredited laboratories, the frequency of treated effluent contract sampling has been reduced from 7 days per week to 5 days per week (Mon-Fri). The contractor has accepted performance is still

measured 7 daily, with the weekly average being applied as the Sat/Sun performance.

- **Kinnegar: LWWP Upgrade Project- Support Costs 2022**
  A number of Variation Orders were issued to provide supporting resources and clearance works on site to enable the Living With Water Project Team to assemble design information for a future works upgrades.

- **Kinnegar Expiry Costs 2024**

  As part of the Handback arrangements for expiry of the contract on 30 April 2024, the company has exercised its rights to purchase critical spares, moveable property and consumables from the contractor on the date of expiry with an approximate cost of £117,000 .

- **Alpha Deed of Variation No.3**
  Amended and restated the contract in respect of all previous changes and corrections made to date.

- **Alpha Contractor Notice of Change (June 2012):**
  Reduced the scope of service (i.e. frequency and range of analytical tests) to achieve cost reduction in Unitary charge for the remaining contract period (Deriving £16,800 per year reduction in Company costs).

- **Alpha Contractor Change: Standby Generator Capacity for NI Power Grid**
  A contract change has been put in place to allow the Contractor to make the site generators at two WTW's available to an Aggregated Generation Unit (AGU) company in return for an 'availability charge.' The annual availability charge is estimated to be worth up to £20,000, with 50% of this revenue being netted off the Unitary Charge payable by NIW for the period of the AGU agreement (currently 5 years).

- **Alpha: Authority Change – Castor Bay to Belfast Pumping Station Upgrade**
  To support the increased output to Magheraliskmisk arising from the Castor Bay to Belfast Strategic link main project.

- **Sale of Kelda's ownership of the Contractor / Operating Company**
  In September 2016, Kelda indicated it was looking to sell all its UK PPP/PFI investments and operations. It invited several parties, including NIW, to bid for the Alpha PPP companies Dalriada Water (the Alpha PPP Contractor) and KWSA (the Alpha PPP Operating Company).

  On 19 November 2017, NIW clear Ltd (a subsidiary holding company of NIW Ltd) acquired ownership of Dalriada Water and KWSA (now renamed NIW Alpha ltd) from Kelda.

  The Alpha PPP contract remains in place and the Company continues to pay Unitary Charge tariffs for the volume of water provided by the Contractor, Dalriada Water Ltd. The Contractor continues to engage the services of the Operating Company (NIW Alpha Ltd) for service delivery and continues to service the senior debt liabilities with the lenders. The contract commitments between the parties remain unaltered at the point of new ownership.

- **Reduction in Frequency of Water Quality Monitoring**

In 2019, the Company and the Contractor have reduced the frequency of Water Quality monitoring within the Contract down to regulatory frequency to align with all monitoring costs of non-PPP WTWs.

- **Temporary Reduction in Water Quality Performance Measures**

  In early 2020, the Company agreed to a request to lessen the water quality performance requirements on a temporary basis to establish if the operating company could reduce its external operating costs, thereby reducing the overall Company costs for water treatment provision at the PPP facilities. The pilot change ran for 12 months and on unsuccessful completion in February 2021, the contracted performance standards reverted.

- **Deed of Variation No.5 – Ballinree's Authority changes**

  The Company issued 2 simultaneous changes relating to Ballinree's WTW access rights, in order to allow itself to (i) carry out pilot studies into pesticide/taste & odour treatment options, and (ii) construct a mobile pumping station for resilience/ drought mitigation purposes**.**

- **Deed of Variation No [TBC] – Insurances Deductibles Change**

  Due to market changes, the low level of excess on Physical Damage (PD) cover demanded of the PPP contract could not be secured at market rates. Consequently, the Company chose to issue a change to the contract terms that requires the Company to take the additional excess risk rather than the Contractor. This approach avoided its Contractor (also its subsidiary) incurring highly increased premiums for no benefit other than to satisfy Lenders terms. Note The level of PD excess exposure for the Company is now consistent for all non-infrastructure assets across the Company and its subsidiaries portfolio of clean water asset insurance. Update: This change was not accepted by the Lenders and remains subject to implementation.

- **2021 NTU Target Change**

  A change in the measured target level performance for turbidity to reflect changes to "Blue Book" laboratory testing processes and achievable limits of detection for turbidity results.

- **Deed of Variation No.6 – 2021 Energy Project Works Change**

  A change to allow the Company to enter the sites and invest in the following Capital Works Projects:

  - River Bann Pumping Station Pump Efficiency
  - Moyola WTW LLP Efficiency
  - Castor Bay LLP Main – Drought Resilience
  - Castor Bay – Magheraliskmisk Pump Capacity Upgrade

- **Deed of Variation No.7 – 2022 Ballinrees MCPA Works Change**

  A change to allow the Company to enter Ballinree's WTW to construct all necessary assets to improve the regulatory performance for pesticides namely MCPA before the regulatory commitment of 23 December 2023.

- **Deed of Variation No.8 – 2023 Castor Bay Ballydougan High Lift Pumps Change**

  A change to allow the Company to enter Castor Bay WTW to design and construct all necessary assets required to improve the performance and output of the Castor Bay to Ballydougan trunk main through a replacement high lift pumping station at Castor Bay WTW. This variation also permits the Company to enter the Alpha PPP

sites for the purposes of installing and operating pilot plant facilities, to inform future upgrade requirements at each PPP facility.

- **Dunore Point Liquid Oxygen Change – 2024**
  The Contractor has elected for resilience reasons to upgrade oxygen generators at Dunore Point with a fixed liquid oxygen tank and external supply of oxygen. This will result in significant savings for the Company in electricity costs, over and above the resultant cost of liquid oxygen incurred by the Contractor. The Company has therefore elected, through the contract payments, to fund the Contractor's liquid oxygen supply costs from the savings in electricity generated, to ensure the Lenders do not object to the Contractor's upgrade proposals.

**Contractual Performance Failures during AIR24 Period**

- **Alpha Performance Deductions: 2023/24**
  - Water Quantity failures can be referenced (on a monthly basis) in the Payment Calculation Schedule Tab 5 spreadsheet under the column heading 'CRF' for each Facility. *(The Company can provide supporting information with all 12 monthly Payment Calculation Schedules for the AIR year). Total deductions: £89,818.17 [AIR23 period total deductions £1,239,091.76].*
  - Water Quality Failures can be referenced on Payment Calculation Tab 9 under the column headed 'QRF' for each Facility *(The Company can provide supporting Information with all 12 monthly Payment Calculation Schedules for the AIR year).* Further details of the exact water quality parameter failed result can be referenced on the monthly Exceedance Reports derived from the Company's LIMS system *(The Company can provide supporting Information will all 12 LIM's Exceedance Reports for the Alpha Facilities. Total deductions: £294,109.00 [AIR23 period total deductions £253,109.09].* This return to the normally static trend of level of water quality deductions correlates to a combination of the removal of the temporary relaxation of contracted Water Quality standards and the 2021 NTU Target Change (see Contract Changes above) rather than any specific improvement or deterioration in assets or operation.

- **Kinnegar Performance Deductions 2023/24**

  The Company had determined that there had been no deductions applicable during the AIR24 period. *[AIR23 period [redacted] total deductions].*

- **Omega Performance Deductions 2023/24**
  - The Company has determined, and the Contractor has accepted the following failures on the Wastewater services during the period:
    - OR1 Deduction applied at Bullay's Hill [May 2023]: [redacted]
    - OR1 Deduction applied at Bullay's Hill [June 2023]: [redacted]
    - OR1 x 2 Deductions applied at Bullay's Hill [July 2023]: [redacted]
    - OR9 Deduction applied at Donaghadee [Aug 2023]: [redacted]
    - OR1 Deduction applied at Bullay's Hill [Sept 2023]: [redacted]
    - FM5 Deduction applied at Donaghadee [Sept 2023]: [redacted]

- FM5 Deduction applied at Briggs Rock [Sept 2023]: [redacted]
- OR1 Deduction applied at Bullay's Hill [Jan 2024]: [redacted]
- FM7 Deduction applied at Richhill [Jan 2024]: [redacted]

▪ The Company has determined but the Contractor has not accepted the following failures on Wastewater Services during the period:

- FM8 Deduction applied at Briggs Rock [Apr 2023]: [redacted]

**Contractual Deductions made:**

- Project Alpha as per Line 9 reporting for each Facility, based on the outputs of the monthly Payment Calculation Schedules.
- Project Omega; There was one disputed deduction applied during AIR24 [see above]. The remaining disputed sums, those of previous AIR periods, which totalled [redacted] still disputed. These values are not credited and are not therefore reflected in Line 9.
- Project Kinnegar; The Performance Deductions during the AIR24 period equates to [redacted] AIR23].

- **Equipment breakdowns**
  - The Company does not hold this level of operational detail as the risk has been transferred to the Contractors and passed down to the Operating sub-contractor.

- **Changes to the Descriptive Reports on the PPP Contracts**
  - There have been no further changes to the Alpha, Omega and Kinnegar Descriptive Reports, the record drawings for the replacement Holywood 'A' to Kinnegar WwTW pumping main was laid adjacent to the original pumping main ensured that the layout drawing doesn't require to be modified.

**Line 21 - Distribution input**

Data has been updated to reflect the methodology in Table 10 Line 26, where the variance in demand from the PPP sites placed by the Company, along with the variation in total water into distribution delivered by the Company contrive to give a new calculated figure for the individual sites and the Alpha contract as a whole. As a reassurance, the Ballinree's WTW Distribution Input for AIR23 was 10,805 Ml while the Distribution Input for AIR24 was 10,421 Ml which resulted in 29.60 Mld average to supply during AIR23 and 28.47 Mld average to supply in AIR24. Please refer to Line 27 for further commentary on Ballinree's APH.

**Line 21a – Water treatment works capacity**

There has been no change to the minimum required capacity of the Alpha WTW under the contract. However, the Contractor is entitled to declare 95% of the stated capacity without suffering performance deductions or breaching the contract.

**Line 22- Length of mains**

This data has not changed since AIR23.

**Lines 23 – 24 - Turbidity**

**Background – Year on Year**

During the period 2005 to date, a number of non-compliant water treatment works (WTWs) and small sources have either been completely replaced with new works, or else taken out of service as and when a replacement supply is available. During 2008, 5 existing major WTWs were replaced/upgraded as part of the Alpha PPP project. This contributed to the closure during 2009 of 6 non-compliant small water treatment works/sources.

During 2010 a further 2 non-compliant small water treatment works/sources were also closed. However, these were temporarily reinstated during the 2010-11 freeze/thaw incident to supplement strained water supplies.

During 2011 a further 3 non-compliant small water treatment works/sources were also closed.

During 2016 one further non-compliant small water treatment works was also closed.

At the end of 2016, the WTWs in service were stabilised with 19 NIW sites and 5 PPP, however as W3315P Forked Bridge is solely classified as a WTW due to pH modification, this site may be downgraded in the future to a service reservoir if this equipment is decommissioned.

During 2022 a new borewell was commissioned and brought into service to supplement the water supply to a small area in mid-ulster.

The previously PPP sites are now NIW Alpha, which is a company owned by NI Water.

The guidance now requires that the NIW Alpha sites are solely assessed in this table. Since

The calculations were carried using the following data criteria:

- Only scheduled audit final water samples lifted to meet Water Supply regulatory requirements during the calendar year were used and using accredited laboratory analyses rather than onsite analyses.
- Only those WTWs which had more than 11 months' worth of data or had temporary out of service gaps were included. This led to no PPP sites being excluded.

**2023 NIW Alpha WTW Included in calculations**

| WTW Code | WTW Name | Turbidity 95 %ile | 95 %ile >= 0.5 | No of Samples >= 0.5 NTU |
|---|---|---|---|---|
| W1301P | Moyola PPP | 0.160 | 0 | 1 |
| W1701P | Ballinrees PPP | 0.187 | 0 | 1 |
| W2308P | Castor Bay PPP | 0.170 | 0 | 1 |
| W3301P | Dunore Point PPP | 0.140 | 0 | 1 |
| W3315P | Forked Bridge PPP | 0.156 | 0 | 2 |

**Line 25 – Source type**

This data had changed in AIR13 to reflect the NI Water opinion that Ballinree's WTW should define three sources i.e. Ballinree's IR, Altikeeragh IR and an intake from the River Bann. All other WTW defined Sources remain unchanged from AIR15. The changes have been reflected in Table 12.

**Line 26 – Treatment type**

No change to the data since AIR23.

**Line 27 – Average pumping head**

The APH for 'Alpha Total' and 'Water Services Total' has complied with the requirements of Table 42 Line 27 guidance notes, wherein the Company use the PPP Distribution Input utilised in AIR24. The static heads at the receiving reservoirs remain unchanged each year, therefore the only changeable head input is the dynamic head as a result of the volumes pumped. The dynamic head is confirmed each year during pump efficiency tests across a range of flows to determine the figure to be used for AIR reporting purposes. While the DI for Ballinree's WTW has Decreased from the AIR23 level [DI for AIR23 was 10,805 Ml; DI for AIR24 was 10,421 Ml which equates to 29.60 Mld average to supply during AIR23 and 28.47 Mld in AIR24. The AIR24 period was much wetter than AIR23 which would have favoured gravity catchment when required. The River Bann abstractions in AIR23 were 7,602 ML and in AIR24 6,252 ML. The Ballinree's Output B2 average flow has Decreased from 6.43 Ml/d to 5.74 Ml/d [pumped flow to Break Pressure Tank at Moy's Service Reservoir – 117m head lift] This Decrease in B2 flow contributes less to the overall head at site.

**Lines 28 – 29 – Sewerage data**

No Change from AIR23 data.

**Line 30 – population equivalent of total load received**

Variation in calculated PE stems from variation in the measured sewage loads delivered to the sites by the Company, being the only variable part of the PE calculation. Consistent with data in Table 15 Loading.

**Line 31 - Load received by STW's**

Variation in calculated load stems from variation in the measured sewage loads delivered to the sites through the Company's sewer network. Commentary in Line 30 is also applicable for this line in relation to Kinnegar WwTW. Further commentary at Table 17D

**Lines 32 – 36 - Consents**

There have been no material changes to the Water Order Consents.

**Line 37 - Classification of treatment works**

No change to the treatment Facility classifications since AIR23.

**Line 38 - Size band of sewage treatment works**

No change since AIR23. Richhill WwTW remains classified as a size band 4 works in accordance with the criteria.

**Line 39 - Total sludge imported from NI Water**

From the 31 March 2010 the Omega Contractor has assumed responsibility for disposal of all NI Water sludges. The total Sludge imported from NI Water operated WWTW is recorded as 29.540 TTDS for the AIR24 period (last year the figure was 29.883 TTDS). The Kinnegar WwTW input is not included in this figure. The difference of 0.343 TTDS is mainly related to the reductions of NI Water Indigenous Sludge transfers from Belfast WWTW and Duncrue Liquid Imports.

**Line 39a - Total sludge imported from other PPP Facilities**

This is a new line, originally included in AIR22. Sludges from Armagh and Richhill are routinely delivered to Ballynacor WwTW to be converted into Sludge Cake prior to Incineration or final disposal. It aims to capture unusual use by other sites. This has not occurred during AIR24.

**Lines 40 - Sludge produced by the PPP Facility**

Whilst the total sludge production recorded against each PPP contract and PPP as a whole is reasonably consistent with last year's records, apart from Kinnegar WwTW, the records for each of the individual Omega sites are different from those recorded in AIR23. The reporter also requested that an estimate of the re-cycled solids from the Incinerator be produced, this has equated to 1.094 ttds [very little accuracy involved with this assumption/calculation] and was returned via Duncrue WwTW for further processing. [See Table 15 Line 17 Commentary].

| **PPP Production** | **AIR24** | **AIR23** | **AIR22** | **AIR21** | **AIR20** | **AIR19** | **AIR18** | **AIR17** | **AIR16** | **AIR15** |
|---|---|---|---|---|---|---|---|---|---|---|
| Armagh WWTW | 0.415 | 0.486 | 0.529 | 0.537 | 0.506 | 0.486 | 0.534 | 0.605 | 0.535 | 0.579 |
| Richhill WWTW | 0.066 | 0.074 | 0.076 | 0.070 | 0.066 | 0.067 | 0.068 | 0.071 | 0.071 | 0.063 |
| Ballynacor WWTW | 2.737 | 2.812 | 2.687 | 2.398 | 2.607 | 2.307 | 1.882 | 1.739 | 1.564 | 2.269 |
| Ballyrickard WWTW | 1.058 | 1.141 | 1.221 | 1.107 | 1.140 | 1.150 | 1.246 | 1.293 | 1.064 | 1.337 |
| NDA WWTW | 1.469 | 1.577 | 1.513 | 1.661 | 1.687 | 1.514 | 1.629 | 1.656 | 1.818 | 1.633 |
| Kinnegar WWTW | 0.750 | 0.552 | 0.275 | 0.580 | 0.699 | 0.805 | 0.331 | 0.302 | 0.501 | 0.668 |
| Omega Screenings/Grit | 0.139 | 0.181 | 0.162 | 0.156 | 0.141 | 0.220 | 0.233 | 0.206 | 0.083 | 0.083 |
| Kinnegar Screenings/Grit | 0.063 | 0.023 | 0.032 | 0.029 | 0.030 | 0.033 | 0.035 | 0.058 | 0.049 | 0.057 |
| **Totals** | **6.697** | **6.846** | **6.495** | **6.538** | **6.876** | **6.582** | **5.958** | **5.930** | **5.685** | **6.689** |

| **PPP Production** | **AIR14** | **AIR13** | **AIR12** | **AIR11** |
|---|---|---|---|---|
| Armagh WWTW | 0.547 | 0.535 | 0.570 | 0.759 |
| Richhill WWTW | 0.071 | 0.065 | 0.066 | 0.213 |
| Ballynacor WWTW | 2.007 | 2.069 | 3.330 | 2.468 |
| Ballyrickard WWTW | 1.126 | 1.158 | 1.225 | 1.627 |
| NDA WWTW | 1.920 | 1.628 | 1.559 | 1.753 |
| Kinnegar WWTW | 0.643 | 0.726 | 0.823 | 0.792 |
| Omega Screenings/Grit | 0.088 | 0.106 | | |
| Kinnegar Screenings/Grit | 0.047 | 0.022 | | |
| **Totals** | **6.449** | **6.309** | **7.573** | **7.612** |

The variations are tabulated below and on next page;

The changes in sludge production [shown below in graphical form below] records data for Omega reflect a probable combination of:

(i) Cumulative tolerances in the representative nature of dry solids sampling and flowmeter accuracy (particularly on smaller sites)

(ii) a mix of improved methodologies and record keeping systems for liquid and cake movements (as demanded by the Omega contract payment processes) implemented by end of AIR11, and

(iii) the loads delivered to the PPP contractor from the NI Water sewer network, outside the PPP contractor's control,

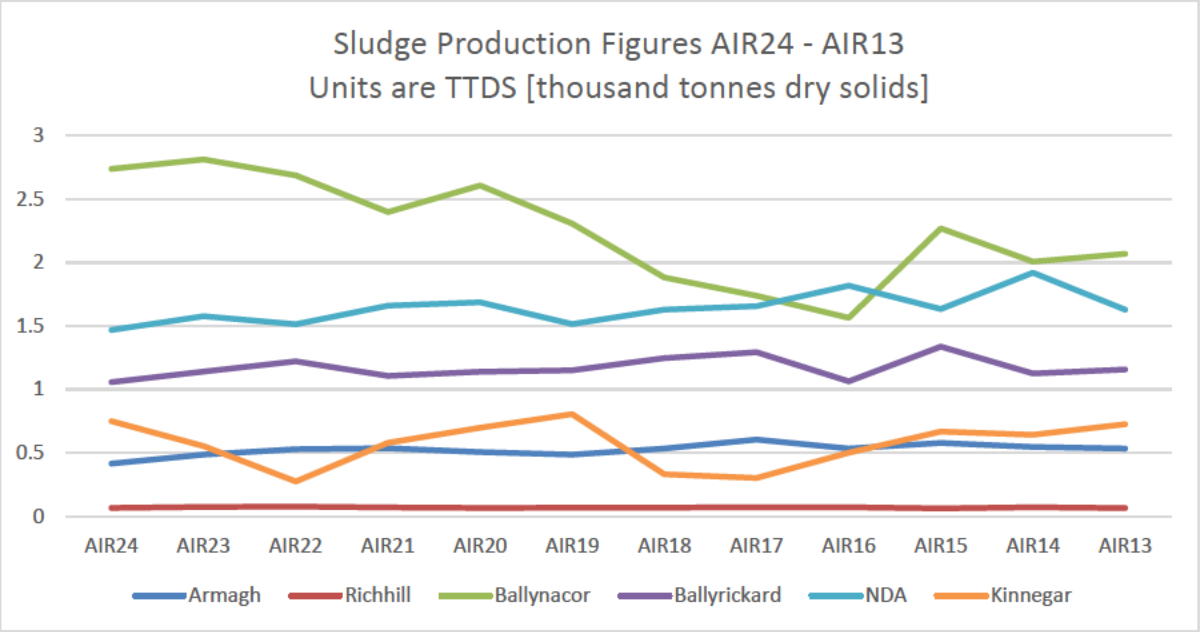
(iv) The timing of data capture, where prolonged dry periods can have a fluctuating effect from year to year on absolute values, and

(v) Operational difficulties experienced on individual sites.

(vi) Re-introduction of Grit removal at the Kinnegar WwTW.

The Omega sites continue to present a reasonably consistent trend over the last 5 year AIR periods, with Ballynacor WwTW increasing (albeit at a slower rate) each year and the remaining Omega sites decreasing slightly in sludge production. ..

Kinnegar WwTW has continued the trend seen last year when there was an upward trend associated with Sludge Production. Kinnegar WwTW has now demonstrated an improved Sludge production which has assisted with the removal of previously stored Sludges on site.




**Line 41 - Sludge exported to Duncrue Incinerator**

Variances from AIR23 are accounted for in Line 40 commentary above.

**Line 42 - Sludge exported to other PPP facilities**

This line had previously not been completed by NI Water, whereas this year [AIR24] this line has been completed to capture the transfer of Sludge from Armagh WwTW, Richhill WwTW, NDA and Ballyrickard WwTW's to Ballynacor Sludge Treatment centre, which is now included for the return of the Ballynacor WwTW.

**Line 43 - Sludge exported to NI Water**

No change from AIR23

**Lines 44 - Sludge disposed of from site to - Farmland Untreated**

Nil disposal arising from the Contractor's choice of alternative compliant disposal routes.

**Lines 45 - Sludge disposed of from site to - Farmland Conventional**

Nil disposal, arising from the Contractor's choice of alternative compliant disposal routes.

**Lines 46 - Sludge disposed of from site to - Farmland Advanced**

A full year service resulted in 2.864 TTDS arising from the Contractor's choice of alternative compliant disposal routes. This is at variance from the 2.227 TTDS in AIR23 and 0.931 TTDS report in AIR22 and is at the PPP contractor's discretion based on demand and availability of services at Duncrue St Sludge Facility.

**Lines 47 - Sludge disposed of from site to - Incineration**

A full year service resulted in 32.932 T TDS being incinerated as the contractor's preferred method of disposal, this being a lesser amount than reported in AIR 23 [34.297 TTDS] and AIR22 [36.015 TTDS] due to an overall reduction in the total sludge presented for disposal and changes to the tonnage sent for alternative disposal by the PPP Contractor.

**Lines 48 - Sludge disposed of from site to - Landfill**

A full year service resulted in 0.202 TTDS [0.139 TTDS Omega and 0.063 TTDS Kinnegar] arising from the Contractor's choice of alternative compliant disposal routes. The value represents only PPP Contractors sludges arising from grit and/or screenings removed directly from the sites to land fill, which is almost the same as the 0.204 TTDS reported in AIR23, even though the volume for Omega reduced while the volume for Kinnegar increased due to Grit disposal.

**Lines 49 - Sludge disposed of from site to - Composted**

A full year service resulted in 0.000 TTDS arising from the Contractor's choice of alternative compliant disposal. AIR23 reported a disposal of 0.000 TTDS.

**Lines 50 - Sludge disposed of from site to - Land Reclamation**

A full year service resulted in 0.237 TTDS arising from the Contractor's choice of alternative compliant disposal routes. AIR23 reported a disposal of 0.000 TTDS.

**Lines 51 - Sludge disposed of from site to - Other (Forestry)**

A full year service resulted in 0.000 TTDS arising from the Contractor's choice of alternative compliant disposal routes. AIR23 reported a disposal of 0.000 TTDS.

**Lines 52 - Sludge disposed of from site to – Total**

After a consultation meeting that had been arranged with the Regulator [during April 2022] in relation to a recommendation from the Reporter, NI Water PPP now understand the intent of this line and has filled it in in compliance with the regulator's recommendations.

**NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN**

**ANNUAL INFORMATION RETURN- TABLE 43 PPP REPORTING**
**PPP REPORTING - OPERATIONAL COSTS**

| | DESCRIPTION | UNITS | DP | Corresponding Report | SCHEME | SCHEME | SCHEME | SCHEME | SCHEME | SCHEME | SCHEME | SCHEME | SCHEME | SCHEME | SCHEME | SCHEME | SCHEME | SCHEME | SCHEME | SCHEME | SCHEME | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | **PROJECT DESCRIPTION** | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 1 | PPP Concession | | | na | Alpha | Alpha | Alpha | Alpha | Alpha | Alpha | Alpha | Kinnegar | Omega | Omega | Omega | Omega | Omega | Omega | Omega | Omega | Alpha | Kinnegar | Omega | Water | Sewerage |
| 2 | Service Area | | | na | WT | WT | WT | WT | WD | WD | WD | WWT | WWT | WWT | WWT | WWT | WWT | WWS | WWS | WWS | All | All | All | Service | Service |
| 3 | Name of works | | | na | Balinrees | Castor Bay | Dunore Point | Moyola | DBFO LM | Ballymoney LM | Limavady LM | Kinnegar | Richhill | Armagh | Ballynacor Craigavon | North Down | Ballyrickard | Ballinacor Lagoons | Ballynacor | Duncrue | Total | Total | Total | Total | Total |
| B | **PPP INFORMATION** | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Payment to Concessionaire | £m | 3 | Table 42 Line 12 | 4.492 | 8.283 | 8.973 | 3.316 | 0.824 | 0.675 | 0.818 | | | | | | | | | | 26.611 | | | 26.611 | |
| 5 | Payment by Concessionaire to Operating Company | £m | 3 | | 1.774 | 3.715 | 3.382 | 1.171 | 0.000 | 0.000 | 0.000 | | | | | | | | | | 10.042 | | | 10.042 | |
| C | **DIRECT COSTS TO NI WATER** | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Power | £m | 3 | | 1.332 | 3.695 | 3.258 | 0.788 | 0.000 | 0.000 | 0.000 | 0.000 | 0.089 | 0.251 | 1.592 | 2.012 | 0.530 | 0.000 | 0.232 | 1.791 | 9.073 | 0.000 | 6.497 | 9.073 | 6.497 |
| 7 | Other direct costs | £m | 3 | | 0.066 | 0.010 | 0.010 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.096 | 0.000 | 0.000 | 0.096 | 0.000 |
| 8 | Total direct costs | £m | 3 | sum 6 + 7 | 1.398 | 3.705 | 3.268 | 0.798 | 0.000 | 0.000 | 0.000 | 0.000 | 0.089 | 0.251 | 1.592 | 2.012 | 0.530 | 0.000 | 0.232 | 1.791 | 9.169 | 0.000 | 6.497 | 9.169 | 6.497 |
| 9 | General and support expenditure | £m | 3 | | 0.053 | 0.052 | 0.053 | 0.053 | 0.053 | 0.053 | 0.053 | 0.061 | 0.033 | 0.033 | 0.033 | 0.033 | 0.033 | 0.000 | 0.033 | 0.033 | 0.370 | 0.061 | 0.231 | 0.370 | 0.292 |
| 10 | Total functional expenditure | £m | 3 | sum 8 + 9 | 1.451 | 3.757 | 3.321 | 0.851 | 0.053 | 0.053 | 0.053 | 0.061 | 0.122 | 0.284 | 1.625 | 2.045 | 0.563 | 0.000 | 0.265 | 1.824 | 9.539 | 0.061 | 6.728 | 9.539 | 6.789 |
| D | **OPERATING EXPENDITURE - NI WATER** | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | Scientific services | £m | 3 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.017 | 0.002 | 0.002 | 0.007 | 0.003 | 0.004 | 0.000 | 0.000 | 0.071 | 0.000 | 0.017 | 0.089 | 0.000 | 0.106 |
| 12 | Rates | £m | 3 | | 0.707 | 2.817 | 2.829 | 0.393 | 0.000 | 0.000 | 0.000 | 0.229 | 0.029 | 0.153 | 0.482 | 0.170 | 0.124 | 0.000 | 0.130 | 0.180 | 6.746 | 0.229 | 1.268 | 6.746 | 1.497 |
| 13 | Estimated terminal pumping costs | £m | 3 | | | | | | | | | 0.000 | 0.000 | 0.000 | 0.300 | 0.548 | 0.000 | 0.000 | 0.000 | 0.000 | | 0.000 | 0.848 | | 0.848 |
| 14 | Estimated sludge costs | £m | 3 | | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.395 | 10.207 | | 0.000 | 10.602 | | 10.602 |
| E | **TOTAL PPP OPERATING EXPENDITURE** | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | Total PPP operating expenditure | £m | 3 | Sum 5, 10, 11 and 12 | 3.932 | 10.289 | 9.532 | 2.415 | 0.053 | 0.053 | 0.053 | | | | | | | | | | 26.327 | | | 26.327 | |

# Table 43 - PPP Reporting – Operational Costs

**Preface:**
The Company highlights that on the 19 November 2017 a newly formed hold company subsidiary, NIW Clear Ltd, acquired sole ownership of both the Alpha PPP Contractor (Dalriada Water Ltd) and the Alpha PPP Operating Company (Kelda Water Services Alpha Ltd). These entities were acquired through a competitive bid process conducted by the previous owners, Kelda Water Services Ltd, which commenced in December 2016, following Kelda's announced sale of all their UK PPP/PFI water and energy commitments in September 2016. Post-acquisition, the contractual arrangements between the parties, including the senior lenders, has remained in place. There are no plans to collapse the Alpha PPP contract.

The reporting arrangements in Table 43 below remain unaffected by the acquisition and subsequent continuation of the existing commercial arrangements.

*Note: As the atypical expenditure, efficiencies and performance deductions (Omega) were not divisible by site the cross tot on line 4 for Alpha and Omega will not agree – the total included in the total column is correct for the Payments to the Concessionaire.*

**Line 4 – Payment to concessionaire**
The figures on this line are taken directly from Line 12 of Table 42 and any significant changes from the previous year have been commented on in the Table 42 commentary.

**Alpha**
The data is derived from the Contractors monthly invoice and can be split on a site-by-site basis and in each case represents the sum of the Unitary Charge payments (Capacity + Variable – Deductions) agreed with the Contractor. It also includes atypical amounts as follows:

| | £m |
|---|---|
| Quality Monitoring Change credit | -0.621 |
| EIB Step-down | -0.067 |
| Refund in respect of reorganisation costs | -0.082 |
| **Total** | **-0.770** |

**Kinnegar**
The data is provided as an aggregate of the monthly invoiced amounts by the Contractor to the Company. It includes atypical amounts as follows:

| | £m |
|---|---|
| Handback expenditure | [redacted] |
| **Total** | [redacted] |

**Omega**
The data is provided as an aggregate of the monthly invoiced amounts by the Contractor to the Company in respect of the Services. It includes the disputed amounts where the Contractor has not recognised the Performance Deductions made by the Authority and has not provided a credit note to the original invoice. During the reporting year performance

deductions of [redacted] were recognised by the contractor. In addition this line includes atypical amounts as follows:

| | £m |
|---|---|
| Supplemental 4 agreement | [redacted] |
| Change in calibration frequency | |
| Omega Settlement Accounting | |
| BREF | |
| Other | |
| **Total** | |

**Line 5 - Payment by concessionaire to operating company**

**Alpha**

This figure is equal to the figure quoted in Line 22a of Table 21. This figure will vary from year to year depending upon volumes of water dispatched, changes in the volumetric charge, deductions incurred and indexation, all off which flow from the Authority through the Contractor to Operating Company.

**Omega**

This figure is equal to the figure quoted within Line 21a of Table 22. This figure will vary from year to year depending upon volumes of wastewater delivered, change in sludge volumes delivered for disposal, deductions incurred and indexation. The charge for Sludge Treatment has increased during AIR24 [redacted] compared with AIR23 [redacted] and this relates to the increase in costs. Albeit the Sludge processed has been largely comparable [AIR24 – 36.2 TTDS; AIR23 – 36.7 TTDS]. However, the payments from Concessionaire to Operating Company are commercial sub-contracting arrangements upon which the Company can only speculate.

**Kinnegar**

This figure is equal to the figure quoted within Line 21a of Table 22. This figure will vary from year to year depending upon volumes of wastewater delivered, change in load delivered, deductions incurred and indexation, all off which flow from the Authority through the Contractor to Operating Company.

**Line 6 - Power**

Power costs reported on this line reflect a facility breakdown of the power costs included in Tables 21 and 22. This is taken directly from MPRN references and location codes in the Oracle system. In respect of the Kinnegar Concession, the power costs are paid by the operating company from the monthly payment from the Concessionaire.

**Line 7 - Other direct costs**

This line includes the cost of abstraction licences at each of the PPP Alpha sites. There are no other direct costs for Kinnegar or Omega.

**Line 9 - General and support expenditure**

General and support costs have been calculated using costs attributable to the P101 cost centre. These costs have been allocated by project on the basis of percentage time spent by each staff member working on each project and in the case of consultancy based on actual invoices received. Costs were then allocated straight line across the number of sites included within each concession. No work giving rise to a general and support expenditure

allocation was carried out on the Ballynacor Lagoons site during the year hence no costs have been attributed to this site.

**Line 11 - Scientific services**

Scientific services costs have been allocated to PPP sites on the basis of the percentage of samples attributable to each PPP site, an allocation of staff costs based on actual hours and operational contractor costs on the basis of estimated cost per site visit.

**Line 12 - Rates**

**Alpha**

Rates at water supply sites are based on water volumes. In order to allocate a proportion of the rates bill to the Alpha sites the volume of water supplied at each PPP site was taken as a percentage of the total NIW water supplied and this figure was multiplied by the total NIW rates cost.

**Kinnegar**

Kinnegar rates charge was taken directly from the rates bill.

**Omega**

The rates figure for each of the Omega sites was taken directly from rates bills. The bill for the Duncrue site was allocated between PPP and NIW in line with the total area of the site occupied by PPP, which has estimated as 15% of the Duncrue site. The Ballynacor site rates have been split on a 65:35 wastewater to sludge split.

**Line 13 - Estimated terminal pumping costs**

This line reflects the power costs associated with Seagoe, Bullay's Hill (Ballynacor facility) and Briggs Rock, Millisle and Donaghadee (North Down Facility). These were derived from the Oracle system using the location code for each site.

**Line 14 - Sludge costs**

This line reflects the costs associated with the PPP sludge facilities at Duncrue Street and Ballynacor. It totals the costs included at line 5, 10, 11 and 12.

NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN - TABLE 44 OPA INPUT DATA
OVERALL PERFORMANCE ASSESSMENT

| | DESCRIPTION | UNITS | DP | 1 REPORTING YEAR 2015-16 | CG | 2 REPORTING YEAR 2016-17 | CG | 3 REPORTING YEAR 2017-18 | CG | 4 REPORTING YEAR 2018-19 | CG | 5 REPORTING YEAR 2019-20 | CG | 6 REPORTING YEAR 2020-21 | CG | 7 REPORTING YEAR 2021-22 | CG | 8 REPORTING YEAR 2022-23 | CG | 9 REPORTING YEAR 2023-24 | CG | 10 REPORTING YEAR 2024-25 | CG | 11 REPORTING YEAR 2025-26 | CG | 12 REPORTING YEAR 2026-27 | CG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | **WATER SUPPLY** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | **DG2 PROPERTIES RECEIVING PRESSURE/FLOW BELOW REFERENCE LEVEL** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Total connected properties at year end | nr | 0 | 839,710 | A2 | 852,399 | A2 | 862,988 | A2 | 874,307 | A2 | 883,423 | A2 | 892,910 | A2 | 902,692 | A2 | 910,098 | A2 | 919,190 | A2 | | | | | | |
| 2 | Properties below reference level at end of year | nr | 0 | 900 | B3 | 862 | B3 | 711 | B3 | 719 | B3 | 626 | B3 | 578 | B3 | 1,715 | A2 | 1,780 | B3 | 1,617 | A2 | | | | | | |
| 3 | % of total properties at risk of low pressure (OPA Low pressure value) | % | 2 | 0.11 | B3 | 0.10 | B3 | 0.08 | B3 | 0.08 | B3 | 0.07 | B3 | 0.06 | B3 | 0.19 | A2 | 0.20 | B3 | 0.18 | A2 | | | | | | |
| | **DG3 PROPERTIES AFFECTED BY UNPLANNED INTERRUPTIONS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | More than 6 hours | nr | 0 | 8,699 | A3 | 5,128 | A3 | 6,097 | A3 | 3,509 | A3 | 6,157 | A3 | 1,834 | A3 | 13,581 | A3 | 1,322 | A3 | 1,768 | A3 | | | | | | |
| 5 | More than 12 hours | nr | 0 | 841 | A3 | 494 | A3 | 861 | A3 | 308 | A3 | 751 | A3 | 0 | A3 | 710 | A3 | 0 | A3 | 0 | A3 | | | | | | |
| 6 | More than 24 hours | nr | 0 | 32 | A3 | 0 | A3 | | A3 | 0 | A3 | 23 | A3 | 0 | A3 | 12 | A3 | 0 | A3 | 0 | A3 | | | | | | |
| 7 | Total connected properties at year end | nr | 0 | 839,710 | A2 | 852,399 | A2 | 862,988 | A2 | 874,307 | A2 | 883,423 | A2 | 892,910 | A2 | 902,692 | A2 | 910,098 | A2 | 919,190 | A2 | | | | | | |
| 8 | OPA supply interruption value | nr | 2 | 1.14 | A3 | 0.66 | A3 | 0.81 | A3 | 0.44 | A3 | 0.79 | A3 | 0.21 | A3 | 1.59 | A3 | 0.15 | A3 | 0.19 | A3 | | | | | | |
| | **DRINKING WATER QUALITY** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | % iron compliance at consumers tap | % | 2 | 98.40 | A2 | 98.66 | A2 | 98.85 | A2 | 98.94 | A2 | 98.89 | A2 | 99.56 | A2 | 99.35 | A2 | 99.15 | A2 | 99.71 | A2 | | | | | | |
| 10 | % managanese compliance at consumers tap | % | 2 | 99.89 | A2 | 99.84 | A2 | 99.90 | A2 | 99.95 | A2 | 99.90 | A2 | 100.00 | A2 | 99.80 | A2 | 100.00 | A2 | 99.90 | A2 | | | | | | |
| 11 | % aluminium compliance at consumers tap | % | 2 | 99.25 | A2 | 99.36 | A2 | 99.79 | A2 | 99.74 | A2 | 99.40 | A2 | 99.29 | A2 | 99.65 | A2 | 99.80 | A2 | 99.61 | A2 | | | | | | |
| 12 | % turbidity compliance at consumers tap | % | 2 | 99.73 | A2 | 99.95 | A2 | 100.00 | A2 | 100.00 | A2 | 99.95 | A2 | 100.00 | A2 | 99.95 | A2 | 100.00 | A2 | 99.95 | A2 | | | | | | |
| 13 | % faecal coliforms compliance at consumers tap | % | 2 | 99.98 | A2 | 100.00 | A2 | 99.94 | A2 | 100.00 | A2 | 99.98 | A2 | 100.00 | A2 | 99.98 | A2 | 99.98 | A2 | 100.00 | A2 | | | | | | |
| 14 | % trihalomethanes compliance at consumers tap | % | 2 | 99.74 | A2 | 96.94 | A2 | 98.48 | A2 | 99.48 | A2 | 99.00 | A2 | 100.00 | A2 | 99.07 | A2 | 98.83 | A2 | 97.84 | A2 | | | | | | |
| 15 | Average overall compliance figure (Drinking Water Quality OPA value) | nr | 2 | 99.50 | A2 | 99.13 | A2 | 99.49 | A2 | 99.69 | A2 | 99.52 | A2 | 99.81 | A2 | 99.63 | A2 | 99.63 | A2 | 99.50 | A2 | | | | | | |
| B | **SEWERAGE SERVICE** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | **DG5 SEWER FLOODING - OVERLOADED** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | Flooding incidents in the year (overloaded sewers) | nr | 0 | 4 | B2 | 3 | B2 | 0 | B2 | 0 | B2 | 0 | B2 | 0 | B2 | 6 | B2 | 14 | B2 | 9 | B2 | | | | | | |
| 17 | Flooding incidents (overloaded sewers attributed to severe weather) | nr | 0 | 1 | B2 | 2 | B2 | 0 | B2 | 7 | B2 | 0 | B2 | 3 | B2 | 6 | B2 | 13 | B2 | 6 | B2 | | | | | | |
| 18 | Number of domestic properties connected to sewerage system | 000 | 1 | 638.1 | A2 | 648.6 | A2 | 657.9 | A2 | 668.3 | A2 | 677.1 | A2 | 685.0 | A2 | 692.1 | A2 | 698.8 | A2 | 702.9 | A2 | | | | | | |
| 19 | % of domestic properties flooded by overloaded sewers (Overloaded sewers OPA value) | % | 4 | 0.0005 | B3 | 0.0002 | B2 | 0.0000 | B2 | -0.0010 | B2 | 0.0000 | B2 | -0.0004 | B2 | 0.0000 | B2 | 0.0001 | B2 | 0.0004 | B2 | | | | | | |
| | **DG5 SEWER FLOODING - OTHER CAUSES** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | Flooding incidents (other causes - equipment failures) | nr | 0 | 1 | B2 | 1 | B2 | 0 | B2 | 2 | B2 | 4 | B2 | 0 | B2 | 0 | B2 | 0 | B2 | 1 | B2 | | | | | | |
| 21 | Flooding incidents (other causes - blockages) | nr | 0 | 34 | B2 | 38 | B2 | 26 | B2 | 17 | B2 | 6 | B2 | 11 | B2 | 18 | B2 | 15 | B2 | 23 | B2 | | | | | | |
| 22 | Flooding incidents (other causes - collapses) | nr | 0 | 3 | B2 | 8 | B2 | 7 | B2 | 4 | B2 | 14 | B2 | 5 | B2 | 12 | B2 | 14 | B2 | 12 | B2 | | | | | | |
| 23 | Number of domestic properties connected to sewerage system | 000 | 1 | 638.1 | A2 | 648.6 | A2 | 657.9 | A2 | 668.3 | A2 | 677.1 | A2 | 685.0 | A2 | 692.1 | A2 | 698.8 | A2 | 702.9 | A2 | | | | | | |
| 24 | % of domestic properties flooded by other causes (Other causes OPA value) | % | 4 | 0.0060 | B3 | 0.0072 | B2 | 0.0050 | B2 | 0.0034 | B2 | 0.0035 | B2 | 0.0023 | B2 | 0.0043 | B2 | 0.0041 | B2 | 0.0051 | B2 | | | | | | |
| | **DG5 PROPERTIES ON THE FLOODING REGISTER** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 2 in 10 register at end of year | nr | 0 | 59 | B2 | 61 | B2 | 57 | B2 | 57 | B2 | 55 | B2 | 50 | B2 | 52 | B2 | 49 | B2 | 47 | B2 | | | | | | |
| 26 | Problems solved due to ESL funding | nr | 0 | 3 | B2 | 3 | B2 | 6 | B2 | 4 | B2 | 1 | B2 | 10 | B2 | 3 | B2 | 3 | B2 | 16 | B2 | | | | | | |
| 27 | 1 in 10 register at end of year | nr | 0 | 7 | B2 | 6 | B2 | 4 | B2 | 2 | B2 | 2 | B2 | 0 | B2 | 1 | B2 | 0 | B2 | 0 | B2 | | | | | | |
| 28 | Number of domestic properties connected to sewerage system | 000 | 1 | 638.1 | A2 | 648.6 | A2 | 657.9 | A2 | 668.3 | A2 | 677.1 | A2 | 685.0 | A2 | 692.1 | A2 | 698.8 | A2 | 702.9 | A2 | | | | | | |
| 29 | % of domestic properties considered to be at risk of flooding by sewage (At risk OPA value) | % | 4 | 0.0103 | B2 | 0.0103 | B2 | 0.0099 | B2 | 0.0093 | C2 | 0.0084 | B2 | 0.0088 | B2 | 0.0080 | B2 | 0.0074 | B2 | 0.0090 | B2 | | | | | | |
| C | **SECURITY OF SUPPLY** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | **DG4 HOSEPIPE RESTRICTIONS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | Hosepipe retrictions (OPA value) | nr | 0 | 0 | A1 | 0 | A1 | 0 | A1 | 264 | B2 | 0 | A1 | 0 | A1 | 0 | A1 | 0 | A1 | 0 | A1 | | | | | | |
| | **LEAKAGE** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | Leakage (Target) | nr | 2 | 163.00 | | 161.00 | | 159.00 | | 157.00 | | 155.00 | | 153.00 | | 157.00 | | 156.00 | | 154.00 | | | | | | | |
| 32 | Leakage (Actual) | nr | 2 | 161.99 | B3 | 163.43 | B3 | 162.43 | B3 | 160.14 | B3 | 160.53 | B3 | 157.71 | B3 | 155.64 | B3 | 162.30 | B3 | 155.35 | B3 | | | | | | |
| 33 | % of leakage target not met (Leakage OPA value) | nr | 2 | 0.00 | B3 | 0.49 | B3 | 0.99 | B3 | 1.85 | B3 | 2.50 | B3 | 2.80 | B3 | 1.87 | B3 | 2.03 | B3 | 1.33 | B3 | | | | | | |
| | **SECURITY OF SUPPLY - ABSOLUTE PERFORMANCE** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | Security of supply index – company's actual based on planned level of service (Absolute performance OPA value) | nr | 0 | 100 | A2 | 100 | A2 | 100 | A2 | 100 | A2 | 100 | A2 | 99 | A2 | 100 | A2 | 99 | A2 | 100 | A2 | | | | | | |
| | **SECURITY OF SUPPLY - PERFORMANCE AGAINST TARGET** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | Security of supply index - planned (target) levels of service | nr | 0 | 100 | A2 | 100 | A2 | 100 | A2 | 100 | A2 | 100 | A2 | 100 | A2 | 100 | A2 | 100 | A2 | 100 | A2 | | | | | | |
| 36 | Security of supply index - company's actual based on planned level of service | nr | 0 | 100 | A2 | 100 | A2 | 100 | A2 | 100 | A2 | 100 | A2 | 99 | A2 | 100 | A2 | 99 | A2 | 100 | A2 | | | | | | |
| 37 | % of target not met (Performance against target OPA value) | % | 2 | 0.00 | A2 | 0.00 | A2 | 0.00 | A2 | 0.00 | A2 | 0.00 | A2 | 1.00 | A2 | 0.00 | A2 | 1.00 | A2 | 0.00 | A2 | | | | | | |
| D | **CUSTOMER SERVICE** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | **DG6 - RESPONSE TO BILLING CONTACTS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 | Number dealt with within 5 working days | nr | 0 | 75,462 | B2 | 77,679 | B2 | 71,386 | B2 | 77,010 | B2 | 53,928 | B2 | 42,968 | B2 | 45,126 | B2 | 45,686 | B2 | 45,855 | B2 | | | | | | |
| 39 | Total billing contacts | nr | 0 | 75,490 | B2 | 77,698 | B2 | 71,409 | B2 | 77,016 | B2 | 53,942 | B2 | 42,975 | B2 | 45,138 | B2 | 45,697 | B2 | 45,884 | B2 | | | | | | |
| 40 | % of billing contacts answered within 5 working days (DG6 OPA value) | % | 2 | 99.96 | B2 | 99.98 | B2 | 99.97 | B2 | 99.99 | B2 | 99.97 | B2 | 99.98 | B2 | 99.97 | B2 | 99.98 | B2 | 99.94 | B2 | | | | | | |
| | **DG7 - RESPONSE TO WRITTEN COMPLAINTS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | Total written complaints | nr | 0 | 2,269 | B2 | 2,375 | B2 | 2,274 | B2 | 2,133 | B2 | 1,958 | B2 | 1,885 | B2 | 1,954 | B2 | 1,812 | B2 | 1,656 | B2 | | | | | | |
| 42 | Number dealt with within 10 working days | nr | 0 | 2,266 | B2 | 2,375 | B2 | 2,271 | B2 | 2,133 | B2 | 1,957 | B2 | 1,883 | B2 | 1,954 | B2 | 1,812 | B2 | 1,656 | B2 | | | | | | |
| 43 | % of written complaints answered within 10 working days (DG7 OPA value) | % | 2 | 99.87 | A1 | 100.00 | A1 | 99.87 | B2 | 100.00 | B2 | 99.95 | B2 | 99.89 | B2 | 100.00 | B2 | 100.00 | B2 | 100.00 | B2 | | | | | | |
| | **DG8 - BILLING METERED CUSTOMERS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44 | Company or customer readings (or both) | nr | 0 | 67,366 | A1 | 68,051 | A1 | 68,420 | A1 | 68,621 | A1 | 68,958 | A1 | 69,206 | A1 | 70,253 | A1 | 70,574 | A1 | 70,461 | A1 | | | | | | |
| 45 | Total metered accounts | nr | 0 | 123,763 | A1 | 127,807 | A1 | 128,705 | A1 | 129,387 | A1 | 130,375 | A1 | 130,887 | A1 | 131,590 | A1 | 132,279 | A1 | 132,927 | A1 | | | | | | |
| 46 | Metered accounts excluded from indicator | nr | 0 | 55,875 | A1 | 59,428 | A1 | 60,060 | A1 | 60,542 | A1 | 61,091 | A1 | 61,137 | A1 | 61,100 | A1 | 61,539 | A1 | 62,314 | A1 | | | | | | |
| 47 | % of metered accounts which have meter based bills (DG8 OPA value) | % | 2 | 99.23 | A1 | 99.52 | A1 | 99.67 | A1 | 99.67 | A1 | 99.53 | A1 | 99.22 | A1 | 99.66 | A1 | 99.77 | A1 | 99.78 | A1 | | | | | | |
| | **DG9 TELEPHONE CONTACT** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48 | Total of calls not abandoned | nr | 0 | 209,284 | A2 | 216,015 | A2 | 211,061 | A2 | 213,835 | A2 | 196,289 | A2 | 184,198 | A2 | 184,024 | A2 | 166,814 | A2 | 159,478 | A2 | | | | | | |
| 49 | Total calls received on customer contact lines | nr | 0 | 210,487 | A2 | 217,023 | A2 | 212,095 | A2 | 215,011 | A2 | 197,184 | A2 | 188,658 | A2 | 190,719 | A2 | 175,475 | A2 | 169,023 | A2 | | | | | | |
| 50 | % calls not abandoned (0.25 of DG9 OPA value) | % | 2 | 99.43 | A2 | 99.54 | A2 | 99.51 | A2 | 99.45 | A2 | 99.50 | A2 | 97.64 | A2 | 96.49 | A2 | 95.06 | A2 | 94.35 | A2 | | | | | | |
| 51 | All lines busy | nr | 0 | 159 | A2 | 63 | A2 | 18 | A2 | 29 | A2 | 44 | A2 | 76 | A2 | 30 | A2 | 0 | A2 | 0 | A2 | | | | | | |
| 52 | % calls not engaged (0.25 of DG9 OPA value) | % | 2 | 99.92 | A2 | 99.97 | A2 | 99.99 | A2 | 99.99 | A2 | 99.98 | A2 | 99.96 | A2 | 99.98 | A2 | 100.00 | A2 | 100.00 | A2 | | | | | | |
| 53 | Call Handling Satisfaction - not used | nr | 2 | 4.59 | A1 | | | | | | | | | | | | | | | | | | | | | | |
| E | **ENVIRONMENTAL PERFORMANCE** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | **POLLUTION INCIDENTS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54 | Number of High & Medium category pollution incidents (Sewage) | nr | 0 | 21 | A1 | 22 | A1 | 20 | A1 | 15 | A1 | 13 | A1 | 7 | A1 | 12 | A1 | 9 | A1 | 11 | A1 | | | | | | |
| 55 | Equivalent population served (resident) | 000 | 2 | 2119.20 | C3 | 2098.83 | C3 | 2101.35 | C3 | 2265.55 | C3 | 2266.46 | C3 | 2335.81 | C3 | 2410.14 | C3 | 2414.18 | C3 | 2,484.10 | C3 | | | | | | |
| 56 | Number of High and Medium sewage incidents per million resident population equivalent (pe) served (H&M sewage incidents OPA value) | nr | 2 | 9.91 | C5 | 10.48 | C5 | 9.52 | C3 | 6.62 | C3 | 5.74 | C3 | 3.00 | C3 | 4.98 | C3 | 3.73 | C3 | 4.43 | C3 | | | | | | |
| 57 | Number of Low category pollution incidents (Sewage) | nr | 0 | 117 | A1 | 114 | A1 | 109 | A1 | 111 | A1 | 85 | A1 | 112 | A1 | 97 | A1 | 83 | A1 | 69 | A1 | | | | | | |
| 58 | Number of Low sewage incidents per million resident population equivalent (pe) served (Low sewage incidents OPA value) | nr | 2 | 55.21 | C5 | 54.32 | C5 | 51.87 | C3 | 48.99 | C3 | 37.50 | C3 | 47.95 | C3 | 40.25 | C3 | 34.38 | C3 | 27.78 | C3 | | | | | | |
| 59 | Number of High & Medium category pollution incidents (Water) | nr | 0 | 0 | A1 | 0 | A1 | 0 | A1 | 1 | A1 | 0 | A1 | 2 | A1 | 0 | A1 | 0 | A1 | 0 | A1 | | | | | | |
| 60 | Winter population | 000 | 2 | 1874.73 | C2 | 1887.10 | C2 | 1896.46 | C2 | 1902.33 | C2 | 1914.49 | C2 | 1905.05 | C2 | 1910.42 | C2 | 1939.70 | C2 | 1,947.17 | C2 | | | | | | |
| 61 | Number of High and Medium water incidents per million resident population served (H&M water incidents OPA value) | nr | 2 | 0.00 | C5 | 0.00 | C5 | 0.00 | C3 | 0.53 | C3 | 0.00 | C3 | 1.05 | C3 | 0.00 | C3 | 0.00 | C3 | 0.00 | C3 | | | | | | |
| | **SEWAGE - SLUDGE DISPOSAL** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62 | Percentage unsatisfactory sludge disposal (Sludge disposal OPA value) | % | 2 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | 0.00 | A1 | | | | | | |
| | **SEWERAGE SERVICE - BREACH OF CONSENT** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | WWTW Discharge consent % compliance (WWTW compliance OPA value) | % | 2 | 1.38 | C5 | 1.08 | C5 | 1.33 | C5 | 0.60 | C5 | 0.50 | C5 | 0.50 | C5 | 0.74 | C5 | 0.89 | C5 | 0.78 | C5 | | | | | | |

**NORTHERN IRELAND WATER LIMITED - ANNUAL INFORMATION RETURN**

**ANNUAL INFORMATION RETURN - TABLE 45 KEY OUTPUTS**
**ENERGY CONSUMPTION AND GREENHOUSE GAS ACCOUNTING**

| | DESCRIPTION | UNITS | DP | 1 NIW | CG | 2 PPP | CG | 3 NIW Total | CG |
|---|---|---|---|---|---|---|---|---|---|
| **A** | **ELECTRICITY CONSUMPTION** | | | | | | | | |
| 1 | Grid electricity purchased (excluding renewable energy) | MW.hr | 0 | 102,335 | A1 | 15,169 | A2 | 117,504 | A1 |
| 2 | Grid electricity purchased - renewable energy | MW.hr | 0 | 156,624 | A1 | 23,181 | A2 | 179,805 | A2 |
| 3 | Non-renewable electricity generated and used | MW.hr | 0 | 0 | A1 | 0 | A2 | 0 | A2 |
| 4 | Renewable electricity generated and used | MW.hr | 0 | 6,795 | A1 | 4,531 | A1 | 11,326 | A1 |
| 5 | Total electricity consumption | MW.hr | 0 | 265,754 | A1 | 42,881 | A2 | 308,635 | A2 |
| 6 | Non-renewable electricity generated and exported to the grid | MW.hr | 0 | 0 | A1 | 0 | A2 | 0 | A2 |
| 7 | Renewable electricity generated and exported to the grid | MW.hr | 0 | 1,561 | A1 | 0 | A2 | 1,561 | A2 |
| 8 | Total renewable enegry generated | MW.hr | 0 | 8,356 | A1 | 4,531 | A1 | 12,887 | A1 |
| **B** | **GROSS ANNUAL OPERATIONAL GHG EMISSIONS** | | | | | | | | |
| **B.1** | **Scope 1 Emissions** | | | | | | | | |
| 9 | Direct emissions from burning fossil fuels (including natural gas CHP generation on site) | $t.CO_2 e$ | 0 | 2,319 | A1 | 2,716 | A2 | 5,035 | A2 |
| 10 | Process and fugitive emissions | $t.CO_2 e$ | 0 | 7,929 | C3 | 13,182 | C3 | 21,111 | C3 |
| 11 | Transport: company owned or leased vehicles | $t.CO_2 e$ | 0 | 2,121 | A2 | 96 | A2 | 2,218 | A2 |
| **B.2** | **Scope 2 Emissions** | | | | | | | | |
| 12 | Total grid energy used (including CHP electricity purchased). | $t.CO_2 e$ | 0 | 53,624 | A1 | 7,941 | A2 | 61,565 | A2 |
| **B.3** | **Scope 3 Emissions** | | | | | | | | |
| 13 | Business travel on public transport and private vehicles used for company business | $t.CO_2 e$ | 2 | 555.35 | B2 | Not available | | 555.35 | B2 |
| 14 | Outsourced activities (if not included in Scope 1 or 2) Energy and other | $t.CO_2 e$ | 2 | 35.61 | A4 | 17.92 | C5 | 53.53 | A4 |
| 15 | Purchased electricity - Transmission and Distribution | $t.CO_2 e$ | 2 | 4,639.31 | A2 | 1,106.44 | A2 | 5,745.75 | A2 |
| 16 | Emissions from sludge and process waste disposal | $t.CO_2 e$ | 2 | 3,104.76 | C2 | 98.22 | C2 | 3,202.98 | B2 |
| 17 | Gross operational emissions | $t.CO_2 e$ | 0 | 74,329.09 | B3 | 25,158.21 | B3 | 99,487.30 | B3 |
| **C** | **Net annual operational emissions** | | | | | | | | |
| 18 | Exported renewables (generated on-site and exported) | $t.CO_2 e$ | 2 | -283.97 | A2 | 0.00 | A2 | -283.97 | A2 |
| 19 | Green tariff electricity purchased | $t.CO_2 e$ | 2 | -32,432.96 | A2 | -4,800.32 | A1 | -37,233.28 | A2 |
| 20 | Net operational emissions | $t.CO_2 e$ | 0 | 41,612.16 | B3 | 20,357.89 | B3 | 61,970.05 | B3 |
| **D** | **ANNUAL OPERATIONAL GHG INTENSITY RATIO VALUES** | | | | | | | | |
| 21 | Operational GHG per Ml of treated water | $t.CO_2 e/Ml$ | 3 | 0.189 | C3 | 0 000 | 0 | 0.189 | C3 |
| 22 | Operational GHG per Ml of sewage treated (flow to full treatment) | $t.CO_2 e/Ml$ | 3 | 0 535 | C3 | 0 378 | C3 | 0.471 | C3 |
| 23 | Operational GHG per Ml of sewage treated (based on water distribution input) | $t.CO_2 e/Ml$ | 3 | 0 343 | C3 | 0 274 | C3 | 0.317 | C3 |
| **E** | **RENEWABLE INCENTIVES** | | | | | | | | |
| 24 | Revenue from renewable energy sales and incentives | £000 | 3 | 752 000 | A4 | 0 000 | A2 | 752.000 | A2 |

# Table 45 - Energy Consumption and Greenhouse Gas Accounting

Table 45 contains data relevant to the Company's energy consumption and greenhouse gas (CHG) accounting as requested for the AIR24 return.

Table 45 has been populated in line with guidance provided by NIAUR and contains data sets both internal and external as required and as set out within the sections detailed below.

Table 45 reports emissions generated by the Company (including ALPHA) and outsourced PPP (Omega and Kinnegar) concessions working for the appointed business in carrying out any part of its regulated activities.

Table 45 reports emissions generated by the Company (including ALPHA) and by outsourced PPP (Omega & Kinnegar) concessions in separate columns and also calculates a Company total.

## Reporting Outputs

Table 45 has been populated in line with the reporting requirements outlined in the methodology statement for this table and this is detailed further below.

Data has been provided in Table 45 for energy consumption, gross and net tonnes $CO_2e$ of operational emissions.

The total fugitive and process emission reported is c21k tonnes, how this has been established is by the creation of two independent CAW 18 workbooks. One representing NIW (including ALPHA) and PPP (Omega and Kinnegar). The values for process and fugitive emissions have then been added together to generate a NIW Total figure.

GH intensity factors have been reported in Table 45 for NIW, PPP and Total using figures inputted from other tables submitted in the AIR. A pro rata split of waste water has been applied to calculate the GHG associated with each section for waste water NIW (61.24%) and PPP (38.78%).

The revenue from the sale of renewable electricity and other incentives is reported as previous years.

## Lines 1 – 8 Electricity Consumption

This section provides data relevant to the total electricity consumption within NIW and PPP concessions, a breakdown by renewable and non-renewable energy sources and data related to company generated renewable electricity.

The Company has purchased and self-generated circa 62% of its total electricity consumption from renewable sources within the reporting period, with a breakdown of NIW at 61.5% and PPP at 64.6%.

Self-generated renewable electricity has been via Hydro, Solar schemes across several sites and a steam turbine at the Incinerator. The total outputs are estimated in Table 1.

**Table 1**

| Site | kWh Generated | kWh Exported | kWh Consumed on site |
|---|---|---|---|
| Hydro – Silent Valley (REGO) | 661,725 | 661,725 | 0 |
| Hydro – Oaklands (Non-REGO) | 166,760 | 166,760 | 0 |
| Hydro – Fofanny (Non-REGO) | 408,993 | 0 | 408,993 |
| Steam (Non-REGO) | 4,531,249 | 0 | 4,531,249 |
| Dunore Solar Farm (REGO) | 5,932,879 | 709,390 | 5,223,488 |
| Solar PV Installations (REGO) | 281,316 | 234 | 281,082 |
| 63 Solar PV Installations (Non-REGO) | 904,690 | 12,821 | 891,869 |

Further investigatory work is ongoing to enable installation of hydro and wind turbine systems at other sites. Installation of some of these systems may occur over PC21.

The level of self-generation is further complemented by procurement of renewable electricity from the Single Electricity Market (SEM). NIW has built into the new metered electricity contract that approximately >60% of consumption would be electricity from a renewable source and covered by Renewable Energy Guarantees of Origin (REGO). NIW entered into the day ahead electricity market in October 2023.

**Lines 9 – 17 Gross Annual Operational GHG Emissions**

This section provides gross annual operating GHG emissions in tonnes $CO_2e$ within NIW and PPP concessions, broken down as follows:

- direct emissions from burning fossil fuels;
- process and fugitive emissions and
- transport emissions.

Emissions have been reported under Scope 1, 2 and 3 headings and these are detailed further below.

**Scope 1** (lines 9-11) report on all emissions emitted directly from the Company's appointed activities. This includes direct emissions from burning of fossil fuels, direct process emissions and transport owned or leased by the Company.

**Scope 2** (line 12) reports on all emissions indirectly emitted as a result of electricity usage.

**Scope 3** (lines 13 - 17) reports on all other indirect emissions not included in scope 2. Scope 3 emissions will be those from business travel on public transport and private vehicle usage for company business (line 13). Grey fleet emissions are all quantified as scope 3 including emissions arising from air transport and public transport. Line 14 relates to outsourced activities (if not included in scope 1 or 2) Energy and other. Line 15 has been inserted relating to 'Grid electricity purchased - transmission and distribution'. Line 16 relates to 'Emissions from sludge and process waste disposal' this has been entered from information generated in the DEFRA report table within the CAW under the generated additional scope 3 emissions not included in company totals. NIW disposal of water and wastewater treatment to landfill emissions have been included. PPP additional Scope 3 emissions not included in company totals for the generated application of sludge products to others' land and disposal of wastewater treatment to landfill emissions have been included.

### Lines 18 – 20 Net annual operation Emissions

This section reports on net annual operational emissions derived from renewable energy generated onsite and then exported (line 19) and green energy purchased (line 20). These reductions have been subtracted from the gross emissions value (line 18) to provide a net operational emissions figure in (line 21).

### Lines 21 – 23 Annual operating GHG Intensity Ratio Values

This section is intended to provide annual operating GHG intensity ratios in tonnes $CO_2e$ per mega litre for the provision of water and sewerage service using water and waste flows as a denominator.

Two intensity ratios will ultimately be provided for sewerage service, one using table 14 data as a denominator and one using additional road drainage in-flow. Details of intensity ratios and confidence grades are included in Table 2.

**Table 2**

| Description | Unit | NIW | PPP | TOTAL | CG |
|---|---|---|---|---|---|
| Annual operational emissions intensity ratio per Ml of treated water | tonnes $CO_2e$/ ML | 0.189 | N/A | 0.189 | C3 |
| Annual operational emissions intensity ratio per Ml of treated sewage (FFT) | tonnes $CO_2e$/ ML | 0.535 | 0.376 | 0.471 | C3 |
| Annual operational emissions intensity ratio per Ml of treated sewage (DI Input) | tonnes $CO_2e$/ ML | 0.343 | 0.274 | 0.317 | C3 |

*NB: N/A has been inserted under PPP as ALPHA has been defined within NIW direct scope 1&2 emissions.

### Line 24 Renewable Incentives

This section provides data relevant to Company income from renewable electricity sales and associated incentives such as ROC revenue.

### Confidence Grades

Confidence grades have been assigned for each line of data and these are based on the criteria set out in the Introduction to the AIR23 Reporting Requirements and guidance within the UKWIR-CAW 17.0.

### Processing rules and Emissions Conversion Factors:

The Company has provided output data within Table 45 as calculated using the UKWIR-CAW 18.0 for GHG emissions associated with the provision of water, wastewater, sludge disposal, administrative function and transport in its AIR24 return.

Data sources for the AIR24 return have been generated from supplier's monthly consumption figures associated with the use of electricity, gas and other fuels where data is attainable. Estimations have only been used where there is deemed material impact and enough historical information is available with which to estimate quantities.

All energy conversions have been derived from the CAW 18.0 and are aligned to the Defra/BEIS guidelines using the relevant emissions factor for kg of $CO_2$ per measured unit of energy. The calculations are carried out within locked cells in the CAW 18.0.

Gross operational emissions reported in Table 45 are the Company's total carbon emissions resulting from operational activities.

Net operational emissions reported in Table 45 are a calculation of gross operational emissions taking into account emissions reductions for on-site renewable energy that is exported and renewable energy that has been purchased.

The below intensity figures are under review for the reasons previously cited.

- The $t.CO_2e$/ML GHG intensity output figure for treated water emissions will (in due course) be derived from and include all carbon emissions from the abstraction, treatment and distribution of water, associated administrative and transport emissions divided by the volume of treated water; and
- The $t.CO_2e$/ML GHG intensity output figure for treated wastewater will (In due course) be derived from all carbon emissions from wastewater pumping, waste water treatment, sludge treatment and disposal, and associated administrative and transport emissions divided by the volume of waste water treated.

The GHG intensity figures for treated water and wastewater for the calculations above will be derived from the volumes of water and wastewater as reported in tables 10 and 14 of the Company's AIR24 data.

**Assumptions**

The Company has assumed that the boundary for data collection is any activity associated with the operation of the appointed business. This will include all areas where the company has direct management responsibility such as the PPP concessions.

**Additional Commentary**

The Company can provide details of planned future work in carbon accounting, carbon management, mitigation and adaptation. This development is linked to launch of the Climate Change Strategy and Climate Change Action plan.

**Omissions**

The following areas have been omitted from the AIR24 submission due to inability to source or lack of access to data.

- Supply chain, embedded and 'short cycle' emissions or those from non-appointed business activities have not been included in the return;
- Outsourced activities from call centres and maintenance contractors; and
- The full amount of carbon stored on land.

The GHG emissions associated with the omissions being assessed over 2024/25 and an update will be provided in AIR25.

The GHG omissions above will be addressed in year to enable a fuller return for AIR25 reporting only if deemed in further discussion to have a material impact on the emissions level.

**Green Purchased Electricity Adjustment**

Green Tariffs are electricity tariffs marketed as having environmental credentials. Defra/BEIS recognise as green those tariffs which comply with the 'Good Quality' Criteria specified on pages 51 and 52 of the 'Defra/DECC's Guidance on How to Measure and Report your GHG Emissions' published in Sept 2009.

The Company has evidence verified by Capture Carbon to support the 156.6 million kWh recorded in CAW 18.0 sourced from 100% renewable electricity generation for the period 01.04.23 to 31.03.24. The renewable electricity generation is verified by Renewable Energy Guarantees of Origin (REGOs) issued by the UK Office of Gas and Electricity Markets (Ofgem).

The additional (and approximate) increase of 30 million kWh additional green source energy provides the bulk of the apparent reduction in GHG intensity (Although reductions in overall grid carbon intensity are contributory)

Table 4 demonstrates the change in Annual operational GHG intensity ratio values as supported by REGO accredited green purchased electricity.

**Table 3**

| Description | Unit | AIR17 | AIR18 | AIR19 | AIR20 | AIR21 | AIR22 | AIR23 | AIR 24 |
|---|---|---|---|---|---|---|---|---|---|
| Gross Operational Emissions | tonnes $CO_2e$ | 160,447 | 143,491 | 120,442 | 112,130 | 101,957 | 100,882 | 95,677 | 99,487 |
| Green Tariff electricity purchased reduction | tonnes $CO_2e$ | -41,296 | -36,396 | -29,651 | -31,875 | -29,095 | -31,838 | -25,960 | -37,517 |
| Net Operational Emissions | tonnes $CO_2e$ | 118,778 | 106,816 | 90,364 | 79,328 | 72,882 | 68,575 | 65,537 | 61,970 |

**Table 4**

| Description | Unit | AIR17 | AIR18 | AIR19 | AIR20 | AIR21 | AIR 2022 | AIR 2023 | AIR 2024 |
|---|---|---|---|---|---|---|---|---|---|
| Annual operational emissions intensity ratio per Ml of treated water | tonnes $CO_2e$/ ML | 0.143 | 0.176 | 0.139 | 0.118 | 0.175 | *0.197** | *0.190** | *0.189** |
| Annual operational emissions intensity ratio per Ml of treated sewage (FFT) | tonnes $CO_2e$/ ML | 0.574 | 0.611 | 0.433 | 0.386 | 0.501 | *0.509** | *0.498** | *0.471** |
| Annual operational emissions intensity ratio per Ml of treated sewage (DI Input) | tonnes $CO_2e$/ ML | 0.376 | 0.379 | 0.287 | 0.251 | 0.339 | *0.346** | *0.335** | *0.317** |

*NB: The same methodology has been applied the same as previous years reporting in AIR23.

**Data Quality Assurance Check – Table 45**

On completion of the CAW, the applicable values from the homepage are populated in a data checklist. The values in the checklist are populated in the related cells of Table 45. A comparison on the two files is taken to ensure consistency.

The values populated in Table 45 being presented to the regulator are given a final data quality sign off by line management.

**Green House Gas (GHG) Reduction**

NIW has made strides to reduce GHG emissions from AIR17 reporting year to AIR24 reporting year by increasing its self-supply installations particularly in Solar PV. Also with the inclusion of a Company driven process optimisation project with the main objective to reduce consumption within Wastewater Treatment sites. The historic development of Integrated Constructed Wetlands (ICW) to replace inefficient Wastewater Treatment works and infant forestation projects will continue to mitigate NIW carbon emissions.

The Company has also been able to provide evidence from the 2017/18 reporting year, onward of increasing green accredited power purchase and renewable generation.

AIR24 has seen a relatively static process and fugitive emissions compared to the AIR23 return with a slight increase in emissions in AIR24. There has been an addition of line 15 purchased electricity – Transmission and Distribution, however these emissions were included in AIR23 under line 14 outsourced activities (if not included in Scope 1 or 2) Energy or other. Line 14 now reports on scope 3 emissions not accounted for in company's totals for application of sludge products to others' land and disposal of water and wastewater treatment waste to landfill. Therefore additional emissions have been included in AIR24 that were not included in AIR23.

AIR24 has seen a decrease in gross and net GHG emission compared to 2022/23 reporting year. This has been due to moving from a combined CAW to two separate CAWs, one to account for NIWs emissions and the other PPP emissions. PPP emissions which would have been under outsourced activities (if not included in Scope 1 or 2) Energy and other has be reported in NIW's scope 3 boundary. The decision to separate this was made to ensure there was no double counting of emissions associated when combining both workbook books.

NORTHERN IRELAND WATER LIMITED ANNUAL INFORMATION RETURN

ANNUAL INFORMATION RETURN TABLE 46 SERVICEABILITY
SERVICEABILITY RETURN

| | DESCRIPTION | UNITS | DP | 1 REPORTING YEAR 2004 05 | 2 REPORTING YEAR 2005 06 | 3 REPORTING YEAR 2006 07 | 4 REPORTING YEAR 2007 08 | 5 REPORTING YEAR 2008 09 | 6 REPORTING YEAR 2009 10 | 7 REPORTING YEAR 2010 11 | 8 REPORTING YEAR 2011 12 | 9 REPORTING YEAR 2012 13 | 10 REPORTING YEAR 2013 14 | 11 REPORTING YEAR 2014 15 | 12 REPORTING YEAR 2015 16 | 13 REPORTING YEAR 2016 17 | 14 REPORTING YEAR 2017 18 | 15 REPORTING YEAR 2018 19 | 16 REPORTING YEAR 2019 20 | 17 REPORTING YEAR 2020 21 | 18 REPORTING YEAR 2021 22 | 19 REPORTING YEAR 2022 23 | 20 REPORTING YEAR 2023 24 | 21 REPORTING YEAR 2024 25 | 22 REPORTING YEAR 2025 26 | 23 REPORTING YEAR 2026 27 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A** | **WATER INFRASTRUCTURE** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Water population | 000 | 2 | 1,710.06 | 1,735.00 | 1,732.85 | 1,748.53 | 1,775.11 | 1,790.16 | 1,798.48 | 1,808.82 | 1,819.47 | 1,827.79 | 1,840.54 | 1,850.27 | 1,861.58 | 1,869.17 | 1,873.14 | 1,886.30 | 1,895.87 | 1,901.28 | 1,912.09 | 1,919.12 | | | |
| 2 | Total connected properties at year end | 000 | 1 | | 786.1 | 794.7 | 800.0 | 804.4 | 798.7 | 806.4 | 810.4 | 818.0 | 825.0 | 828.1 | 839.7 | 852.4 | 863.0 | 874.3 | 883.4 | 892.9 | 902.7 | 910.1 | 919.2 | | | |
| 3 | Total length of mains | km | 2 | | 27,114.59 | 25,972.00 | 26,067.07 | 26,349.22 | 26,435.45 | 26,441.81 | 26,499.03 | 26,700.79 | 26,710.55 | 26,712.44 | 26,728.83 | 26,778.15 | 26,837.45 | 26,958.40 | 27,002.82 | 27,014.82 | 27,086.39 | 27,140.38 | 27,215.43 | | | |
| 4 | Number of mains bursts (incl Active leakage) | nr | 0 | | | 5,054 | 3,611 | 3,764 | 3,910 | 3,634 | 2,665 | 2,474 | 2,299 | 2,266 | 1,972 | 2,135 | 2,444 | 2,467 | 2,211 | 2,371 | 2,488 | 2,496 | 2,276 | | | |
| 5 | Mains bursts per 1000km | nr | 1 | | - | 194.6 | 138.5 | 142.9 | 147.9 | 137.4 | 100.6 | 92.7 | 86.1 | 84.8 | 73.8 | 79.7 | 91.1 | 91.5 | 81.9 | 87.8 | 91.9 | 92.0 | 83.6 | | | |
| 6 | Interruptions to supply greater than 3 hours resulting from equipment failure | nr | 0 | 35,700 | 24,995 | 30,360 | 39,883 | 36,882 | 34,268 | 39,647 | 44,960 | 40,697 | 44,499 | 70,272 | 98,979 | 85,239 | 94,549 | 55,414 | 45,759 | 24,661 | 36,835 | 15,375 | 14,450 | | | |
| 7 | DG3 Properties affected by interruptions >12 hrs (unplanned & unwarned) | nr | 0 | 1,676 | 1,670 | 767 | 1,839 | 2,010 | 1,588 | 4,180 | 765 | 1,019 | 1,195 | 929 | 841 | 494 | 190 | 308 | 751 | - | 710 | - | 0 | | | |
| 8 | DG3 Percentage properties affected by interruptions >12 hrs (unplanned & unwarned) | % | 2 | 0.22 | 0.21 | 0.10 | 0.23 | 0.25 | 0.20 | 0.52 | 0.09 | 0.12 | 0.14 | 0.11 | 0.10 | 0.06 | 0.02 | 0.04 | 0.09 | - | 0.08 | - | 0.00 | | | |
| 9 | Number of regulatory samples taken for Iron at customer taps | nr | 0 | 1,962 | 1,971 | 1,928 | 2,012 | 2,124 | 2,036 | 1,736 | 1,732 | 1,710 | 1,876 | 1,896 | 1,876 | 1,868 | 1,916 | 1,892 | 1,984 | 1,835 | 2,004 | 2,004 | 2,036 | | | |
| 10 | Number of regulatory Iron samples exceeding the drinking water standard PCV | nr | 0 | 46 | 41 | 45 | 34 | 41 | 43 | 35 | 30 | 47 | 36 | 20 | 30 | 25 | 22 | 20 | 22 | 8 | 13 | 17 | 6 | | | |
| 11 | Number of regulatory Iron samples exceeding 75% of the drinking water standard PCV | nr | 0 | 108 | 72 | 71 | 64 | 66 | 76 | 55 | 50 | 74 | 62 | 43 | 54 | 45 | 48 | 28 | 39 | 14 | 22 | 26 | 17 | | | |
| 12 | Percentage of regulatory Iron samples exceeding 75% of the drinking water standard PCV | % | 2 | 5.50 | 3.65 | 3.68 | 3.18 | 3.11 | 3.73 | 3.17 | 2.89 | 4.33 | 3.30 | 2.27 | 2.88 | 2.41 | 2.51 | 1.48 | 1.97 | 0.76 | 1.10 | 1.30 | 0.83 | | | |
| 13 | Customer contacts (Discoloured water) | nr | 0 | | | | | 4,085 | 3,840 | 3,010 | 2,344 | 2,464 | 3,465 | 2,744 | 3,179 | 3,029 | 2,632 | 3,447 | 2,257 | 2,807 | 3,220 | 3,741 | 3,254 | | | |
| 14 | Customer contacts per 1000 population (Discoloured water) | nr | 2 | | | | - | 2.30 | 2.15 | 1.67 | 1.30 | 1.35 | 1.90 | 1.49 | 1.72 | 1.63 | 1.41 | 1.84 | 1.20 | 1.48 | 1.69 | 1.96 | 1.70 | | | |
| 15 | Distribution losses | Ml/d | 2 | 141.90 | 127.76 | 118.74 | 111.38 | 131.49 | 140.55 | 130.66 | 122.02 | 115.44 | 127.31 | 126.08 | 122.08 | 123.52 | 125.44 | 120.23 | 120.62 | 117.80 | 117.13 | 123.79 | 118.08 | | | |
| 16 | Company's overall serviceabil ty assessment for water infrastructure | Text | N/A | | | | | | | | Stable | Stable | Stable | Stable | Stable | Stable | Stable | Stable | Stable | Stable | Stable | Stable | Stable | | | |
| **B** | **WATER NON INFRASTRUCTURE** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | Number of regulatory samples taken for Turbidity at operational WTWs (excluding PPP) | nr | 0 | | | | | 5,275 | 5,252 | 5,139 | 4,948 | 4,810 | 4,795 | 4,642 | 4,523 | 4,561 | 4,421 | 4,584 | 4,427 | 4,584 | 4,427 | 4,619 | 6,294 | | | |
| 18 | Number of regulatory samples taken for Turbidity at operational WTWs which exceed 1. NTU (excluding PPP) | nr | 0 | | | | | 10 | 14 | 16 | 17 | 11 | 14 | 10 | 3 | 6 | 10 | 4 | 6 | 4 | 2 | 3 | 4 | | | |
| 19 | Number of regulatory samples taken for Turbidity at operational WTWs which exceed 0. NTU (excluding PPP) | nr | 0 | 135 | 158 | 79 | 30 | 15 | 27 | 23 | 23 | 16 | 29 | 21 | 19 | 12 | 18 | 12 | 12 | 8 | 6 | 5 | 8 | | | |
| 20 | Percentage of regulatory samp es taken for Turbidity at operational WTWs which exceec 0.8 NTU (excluding PPP) | % | 2 | | | | | 0.28 | 0.51 | 0.45 | 0.46 | 0.33 | 0.60 | 0.45 | 0.42 | 0.26 | 0.41 | 0.26 | 0.27 | 0.17 | 0.14 | 0.11 | 0.13 | | | |
| 21 | Number of regulatory samples taken for THMs at customer taps | nr | 0 | 1,057 | 952 | 704 | 752 | 765 | 784 | 432 | 408 | 392 | 396 | 391 | 388 | 392 | 396 | 388 | 400 | 400 | 432 | 429 | 464 | | | |
| 22 | Number of regulatory THM samples exceeding the drinking water standard PCV | nr | 0 | 358 | 239 | 150 | 243 | 141 | 30 | 8 | 3 | 10 | 6 | 4 | 1 | 12 | 6 | 2 | 4 | - | 4 | 5 | 10 | | | |
| 23 | Number of regulatory THM samples exceeding 75% of the drinking water standard PCV | nr | 0 | 578 | 439 | 280 | 441 | 289 | 57 | 32 | 21 | 52 | 31 | 34 | 44 | 53 | 44 | 29 | 27 | 18 | 46 | 47 | 86 | | | |
| 24 | Percentage of regulatory THM samples exceeding 75% of the drinking water standard PCV | % | 2 | 54.68 | 46.11 | 39.77 | 58.64 | 37.78 | 7.27 | 7.41 | 5.15 | 13.27 | 7.83 | 8.70 | 11.34 | 13.52 | 11.11 | 7.47 | 6.75 | 4.50 | 10.65 | 10.96 | 18.53 | | | |
| 25 | Events at WTW resulting from treatment diff culties or ineffective treatment categorised as 'significant' or higher | nr | 0 | | | | 14 | 27 | 28 | 12 | 28 | 26 | 15 | 23 | 24 | 15 | 12 | 18 | 17 | 16 | 15 | 19 | 10 | | | |
| 26 | Number of regulatory samples taken at Service Reservoirs for co iform bacteria | nr | 0 | 18,258 | 18,232 | 17,914 | 17,581 | 17,408 | 17,429 | 16,966 | 16,862 | 16,690 | 16,118 | 15,640 | 15,433 | 15,213 | 14,897 | 14,921 | 14,923 | 15,025 | 15,127 | 14,996 | 14,795 | | | |
| 27 | Number of regulatory samples taken for coliform bacteria at Service Reservoirs exceeding the drinking water standard PCV | nr | 0 | 59 | 86 | 68 | 43 | 22 | 24 | 8 | 22 | 27 | 26 | 17 | 20 | 15 | 14 | 8 | 13 | 13 | 16 | 17 | 11 | | | |
| 28 | Percentage of regulatory samples taken for coliform bacteria at Service Reservoirs exceeding the drinking water standard PCV | % | 2 | 0.32 | 0.47 | 0.38 | 0.24 | 0.13 | 0.14 | 0.05 | 0.13 | 0.16 | 0.16 | 0.11 | 0.13 | 0.10 | 0.09 | 0.05 | 0.09 | 0.09 | 0.11 | 0.11 | 0.07 | | | |
| 29 | Unplanned (reactive) maintenance | % | 1 | | | | | | | | | | 3.6 | 2.6 | 1.7 | 1.0 | 1.5 | 1.2 | 1.1 | 1.0 | 0.8 | 0.7 | 0.8 | | | |
| 30 | Company's overall serviceabil ty assessment for water non-infrastructure | Text | N/A | | | | | | | | Stable | Stable | Stable | Stable | Stable | Stable | Stable | Stable | Stable | Stable | Stable | Stable | Stable | | | |
| **C** | **SEWERAGE INFRASTRUCTURE** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | Total length of sewers | km | 2 | | 13,911.23 | 14,263.62 | 14,319.50 | 14,465.23 | 14,745.61 | 14,904.68 | 15,090.35 | 15,254.37 | 15,410.44 | 15,581.51 | 15,625.13 | 15,777.29 | 15,890.63 | 16,009.10 | 16,163.23 | 16,301.61 | 16,362.76 | 16,480.46 | 16,610.98 | | | |
| 32 | Total number of rising main failures | nr | 0 | | | | | 25 | 25 | 37 | 26 | 41 | 16 | 11 | 9 | 5 | 12 | 20 | 5 | 5 | 15 | 25 | 26 | | | |
| 33 | Total number of gravity sewer collapses | nr | 0 | | | | | 1,368 | 988 | 1,229 | 1,191 | 1,081 | 1,104 | 1,325 | 1,218 | 1,243 | 1,192 | 1,221 | 1,245 | 1,305 | 1,211 | 1,252 | 1,368 | | | |
| 34 | Total number of sewer collapses | nr | 0 | | | | 677 | 1,393 | 1,013 | 1,266 | 1,217 | 1,122 | 1,120 | 1,336 | 1,227 | 1,248 | 1,204 | 1,241 | 1,250 | 1,310 | 1,226 | 1,277 | 1,394 | | | |
| 35 | Sewer collapses per 1,000km | nr | 1 | | | - | 47.3 | 96.3 | 68.7 | 84.9 | 80.6 | 73.6 | 72.7 | 85.7 | 78.5 | 79.1 | 75.8 | 77.5 | 77.3 | 80.4 | 74.9 | 77.5 | 83.9 | | | |
| 36 | Total number of sewer blockages | nr | 0 | | | | 16,912 | 28,010 | 26,409 | 26,230 | 24,444 | 20,801 | 18,062 | 16,729 | 15,991 | 15,755 | 14,393 | 15,815 | 17,593 | 14,417 | 12,245 | 11,458 | 10,579 | | | |
| 37 | Sewer blockages per 1,000km | nr | 1 | | | - | 1,181.0 | 1,936.4 | 1,791.0 | 1,759.8 | 1,619.8 | 1,363.6 | 1,172.1 | 1,073.6 | 1,023.4 | 998.6 | 905.8 | 987.9 | 1,088.5 | 884.4 | 748.3 | 695.2 | 636.9 | | | |
| 38 | sewers) | nr | 0 | | | | | | 38 | 34 | 30 | 14 | 14 | 17 | 11 | 15 | 13 | 12 | 7 | 4 | 8 | 5 | 5 | | | |
| 39 | Number of H, M and L pollution incidents from sewer network (CSOs, rising mains and fou sewers) | nr | 0 | | | | | | 244 | 221 | 199 | 137 | 149 | 126 | 86 | 102 | 96 | 97 | 72 | 83 | 78 | 75 | 58 | | | |
| 40 | Properties flooded in the year (other causes) | nr | 0 | | | | 366 | 23 | 5 | 28 | 23 | 41 | 55 | 52 | 38 | 47 | 33 | 23 | 24 | 16 | 30 | 29 | 36 | | | |
| 41 | Areas flooded externally in the year (other causes) | nr | 0 | | | | 4,283 | 7,968 | 6,872 | 1,314 | Not reported | 3,212 | 3,348 | 4,379 | 3,889 | 3,819 | 3,466 | 4,273 | 4,515 | 3,479 | 2,793 | 2,710 | 2,488 | | | |
| 42 | Total number of equipment failures repaired | nr | 0 | | | | 11,715 | 10,965 | 10,882 | 11,492 | 11,476 | 10,333 | 10,899 | 11,245 | 9,986 | 9,883 | 9,262 | 7,238 | 6,879 | 6,690 | 6,034 | 6,052 | 6,569 | | | |
| 43 | Number of pumping station emergency overflows triggered by equipment failure | nr | 0 | | | | | | | | | 21 | 18 | 22 | 15 | 8 | 9 | 5 | 6 | 5 | 2 | 2 | 3 | | | |
| 44 | Number of sewer repairs | nr | 0 | | | | | | 1,013 | 1,266 | 1,217 | 1,122 | 1,120 | 1,336 | 1,227 | 1,248 | 1,204 | 1,241 | 1,250 | 1,310 | 1,226 | 1,277 | 1,394 | | | |
| 45 | Company's overall serviceabil ty assessment for sewerage infrastructure | Text | N/A | | | | | | | | Stable | Stable | Stable | Stable | Stable | Stable | Stable | Stable | Stable | Stable | Stable | Stable | Stable | | | |
| **D** | **SEWERAGE NON INFRASTRUCTURE** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46 | % WwTW discharges not compliant with numeric consents | % | 1 | 20.0 | 18.0 | 16.0 | 16.0 | 12.0 | 12.0 | 11.7 | 6.9 | 6.9 | 8.2 | 7.8 | 7.4 | 6.6 | 6.6 | 5.3 | 5.3 | 4.8 | 6.4 | 6.4 | 6.4 | | | |
| 47 | % of total p.e. served by WwTWs not compliant with numeric consents excluding upper tie failures | % | 2 | 37.00 | 33.20 | 23.10 | 15.50 | 9.80 | 8.60 | 5.08 | 4.80 | 1.68 | 2.40 | 1.85 | 1.71 | 1.31 | 1.60 | 0.71 | 0.59 | 0.59 | 0.90 | 0.97 | 0.93 | | | |
| 48 | Number of BOD, SS and Ammonia sample results recorded for compliance reporting a WwTWs with numeric consents | nr | 0 | 11,234 | 11,251 | 11,461 | 11,524 | 9,088 | 8,747 | 8,585 | 8,863 | 9,161 | 8,938 | 8,528 | 8,738 | 7,027 | 7,369 | 7,011 | 6,970 | 6,320 | 7,941 | 8,162 | 8,131 | | | |
| 49 | Number of BOD, SS and Ammonia compliance sample results which exceeded their numer consent value | nr | 0 | 652 | 817 | 444 | 297 | 363 | 333 | 361 | 279 | 302 | 370 | 299 | 276 | 283 | 290 | 157 | 164 | 109 | 173 | 164 | 122 | | | |
| 50 | Percentage of BOD, SS and Ammonia compliance sample results which exceeded the numeric consent value | % | 2 | 5.80 | 7.26 | 3.87 | 2.58 | 3.99 | 3.81 | 4.21 | 3.15 | 3.30 | 4.14 | 3.51 | 3.16 | 4.03 | 3.94 | 2.24 | 2.35 | 1.72 | 2.18 | 2.01 | 1.50 | | | |
| 51 | Number of WwTWs with one or more compliance sample result (BOD, SS or Ammonia exceeding the numeric consent value | nr | 0 | 104 | 132 | 115 | 99 | 103 | 98 | 102 | 91 | 76 | 87 | 60 | 55 | 44 | 51 | 42 | 39 | 36 | 49 | 51 | 52 | | | |
| 52 | Small WwTW compliance (works greater than or equal to 20p.e. but less than 250p.e | % | 2 | | | | | | | | | | 72.64 | 76.87 | 80.72 | 83.99 | 87.21 | 86.64 | 89.29 | 90.91 | 92.01 | 92.65 | 92.70 | | | |
| 53 | Unplanned (reactive) maintenance | % | 1 | | | | | | | | | | 5.5 | 3.6 | 2.2 | 2.4 | 1.8 | 1.5 | 2.1 | 2.2 | 1.9 | 1.8 | 1.9 | | | |
| 54 | Company's overall serviceabil ty assessment for sewerage non-infrastructure | Text | N/A | | | | | | | | Stable | Stable | Stable | Stable | Stable | Stable | Stable | Stable | Stable | Stable | Stable | Stable | Stable | | | |

# Table 46 – Serviceability

## Line 16 - Company's overall serviceability assessment for water infrastructure

### Overview

The number of Burst Mains per 1000 km for AIR 24 is 83.60.

The output figure for this serviceability indicator for AIR 24 Line 5, shows that the recent trend has not exceeded 92 bursts per 1000km in the last 5 years (see below)
*The output for this serviceability measure is **"Stable".***

*Due to the transition to the IMS methodology in AIR14 for the output for Line 6 – Interruptions to Supply > 3hrs resulting from Equipment failure, an adjustment to the reference level was implemented to improve accuracy.*
*Since this new methodology has been embedded, the trend rate is looking stable.*

The output assessment is supported by the relevant "Customer Contacts "annual trend shown below which is consistently between the upper and lower reference targets on the graph below for many years.

All metrics suggest that the ongoing trends demonstrated above are within their respective upper and lower tolerances or in some cases just below the UR lower limit (usually due to detailed management of issues by the Customer Directorate Team.

The burst rate, (the Primary Indicator), shows evidence of an ongoing stable burst trend

NIW will continue to monitor the trend for this important primary indicator and also review the other indicator trends below.

**The overall Serviceability assessment of the Water Infrastructure Network is "Stable"**

**Summary Table**

| Serviceability Indicator | Line | Current Trend in Relation to Control Parameters | Output |
|---|---|---|---|
| **No. of Bursts per 1000km** | Line 5 | The overall trend in PC21 onwards, with the trend fluctuating around the UR Median Reference line of 84.56 bursts per 1000km for the last 8 years<br>This assessment suggests that burst rates have dropped significantly since AIR10 with six consecutive previous year-on-year improvements between AIR10 and AIR16 and then levelling out in subsequent years.<br>**This Serviceability Indicator is considered as Stable** | **Stable** |
| **Interruptions to Supply > 3hrs resulting from equipment failure** | Line 6 | Only the AIR 18 and AIR 22 outturns did not conform to an improving trend since the better automated data capture systems were introduced.<br>The conclusion is that NI Water's performance against this measure remains '**Stable**' as the last 4 years figures have reached a point fluctuating below the lower UR Reference line on the graph below<br>**This Serviceability Indicator is considered as Stable** | **Stable** |
| **DG3 % of Properties Interrupted supply > 12 hrs** | Line 8 | The conclusion is that, although the annual outturn for Table 46: Line 8: DG3 Percentage properties affected by interruptions >12 hrs (unplanned & unwarned), continues to be stable at a very low level ,<br>the ongoing perceived improvement of previous years may be more likely to be attributed to the impact of NI Water's **ITS Strategy** than asset performance.<br>**This output is therefore considered to be Stable** | **Stable** |

| Serviceability Indicator | Line | Current Trend in Relation to Control Parameters | Output |
|---|---|---|---|
| **% of iron Samples Exceeding 75% of PCV** | Line 12 | The AIR 23 figure is calculated from Line 11 divided by Line 9 = 0.83% The current failure rate is relatively low, with the ongoing trend fluctuating between the UR Reference limit and the lower limit for the last 5 years. This figure is related to a random sampling regime.<br><br>Taking these factors into account, this therefore indicates that this measure indicates a **Stable** trend as the random sampling regime can skew the trend slightly from one year to the next. | **Stable** |
| **Number of Customer Contacts per 1000 population (Discoloured Water)** | Line 14 | This output suggests that this trend is Stable, as the graph remains within the upper and lower limits of the target envelope | Stable |
| **Water Distribution Losses** | Line 15 | Explanatory factor. See below. The output figure for AIR 24 is 118.08Ml/day This figure is comparable to the output figures since the start of PC15 (See graph) | Explanatory factor |
| **Overall Rating** | | **Final Explanatory Text** | **Stable** |

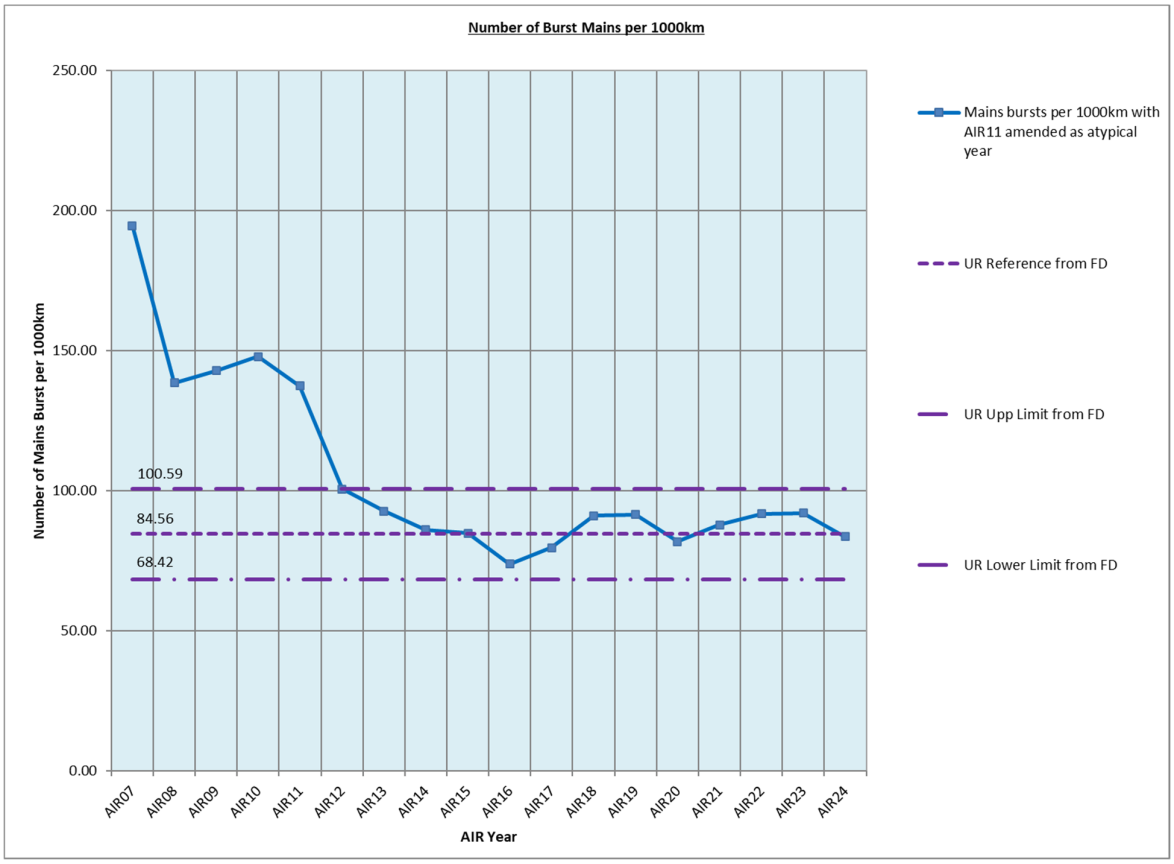
**Primary Indicator**

**Line 5 – Number of Burst Mains per 1,000km**

Total Burst Mains is calculated by dividing the total number of bursts (minus rechargeables) by the total length of mains (in km) multiplied by 1,000.

The number of Burst Mains per 1000 km was 81.88 for AIR20.
The number of Burst Mains per 1000 km was 87.80 for AIR21.
The number of Burst Mains per 1000 km was 91.80 for AIR22.
The number of Burst Mains per 1000 km was 92.00 for AIR23.

**The number of Burst Mains per 1000km is 83.60 for AIR24.**




## AIR 24 TABLE

| Burst Numbers Summary Table | AIR19 | AIR20 | AIR21 | AIR22 | AIR23 | AIR24 | Percentage changes | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | AIR22 to AIR23 | AIR23 to AIR24 |
| CSD Networks Water (non-proactive detection) | 1451 | 1186 | 1268 | 1353 | 1371 | 1063 | 1.3% | -22.5% |
| CSD Networks Water (proactive detection) | 1111 | 1051 | 1132 | 1145 | 1142 | 1225 | -0.3% | 7.3% |
| Third party damage | 95 | 26 | 29 | 10 | 17 | 12 | 70.0% | -29.4% |
| Total | 2467 | 2211 | 2371 | 2488 | 2496 | 2276 | 0.3% | -8.8% |
| Burst rate per 1000km | 91.5 | 81.9 | 87.8 | 91.8 | 92 | 83.6 | 0.2% | -9.1% |

This assessment suggests that burst rates have dropped significantly since AIR10 with six consecutive previous year-on-year improvements between AIR10 and AIR16 and then levelling out in subsequent years. The number of burst mains per 1000km consistently fluctuated around the median UR reference line as seen on the attached graph since AIR 15.

In the three years of PC21 this trend has continued near the median UR reference line, in the trend graph. The number of bursts for Networks Water has been captured for the complete year using base information monthly from MWM reporting systems. In conjunction with burst flag reports, taken from the CAR2Map database, individual Work Orders have been analysed and duplicates and non-mains repairs extracted. This year's burst rate figure has dropped since the AIR 23 figure and is lower than the average figure for the last five-year reporting period (AIR19 to AIR23) i.e., 89.0. However, annual fluctuations are to be

expected in a distribution network, for example due to prolonged hot cold weather. NI Water will continue to monitor any perceived upward trend.

The following comments continue to be positive factors in relation to burst main repair numbers:

Issues contributing to this Stable trend are that:

- Mains rehabilitation schemes continue to have a positive impact in reducing the no. of defects with older iron mains being replaced.
- Pressure Management Schemes in targeted areas include new installations, replacements and relocations of pressure reducing / sustaining valves.
- Continuing detail has been paid to the classification of mains repairs as opposed to communication pipe repairs or replacements.
- Calm Network procedures are employed by all those who interact with the Network.

The number of mains repairs due to non-proactive reported bursts has dropped this year, whereas number of mains repairs due to proactive leakage detection, has increased slightly since the AIR 23 reporting period. The drop in non-leakage reported burst mains repairs will primarily be down to there being no prolonged cold spells in this reporting period, unlike the AIR 23 reporting period, which had prolonged cold spells throughout December and January in particular.

The number of mains repairs due to proactive leakage detection methods has increased slightly in comparison with the last five years' average figure from AIR 19 onwards (1116 no.), however the change is negligible and there has been continued emphasis on proactive leakage detection by 'In House' Crews.

There has been a slight decrease in the number of repairs attributable to Third Party Damage (12 no.), compared the 2023 figure, which was 17, but the figures are comparable to the figures for the previous five years. The reasons that the figure for these remain quite low are unclear and are difficult for NI Water to manage as the figure is dependent on both contractors admitting liability and front-line operatives initiating the re-chargeable process.

**This Serviceability Indicator is considered as Stable.**

The overall trend from PC15 onwards shows a trend with the outputs consistently stabilising around the median limit on the graph. (See graph above)

**Secondary Indicators**

**Line 6 – Interruptions to Supply > 3hrs resulting from Equipment failure**

This year's outturn of 14.450 properties affected by an interruption to supply greater than 3 hours resulting from equipment failure is the lowest since regulatory reporting commenced in 2007/08.

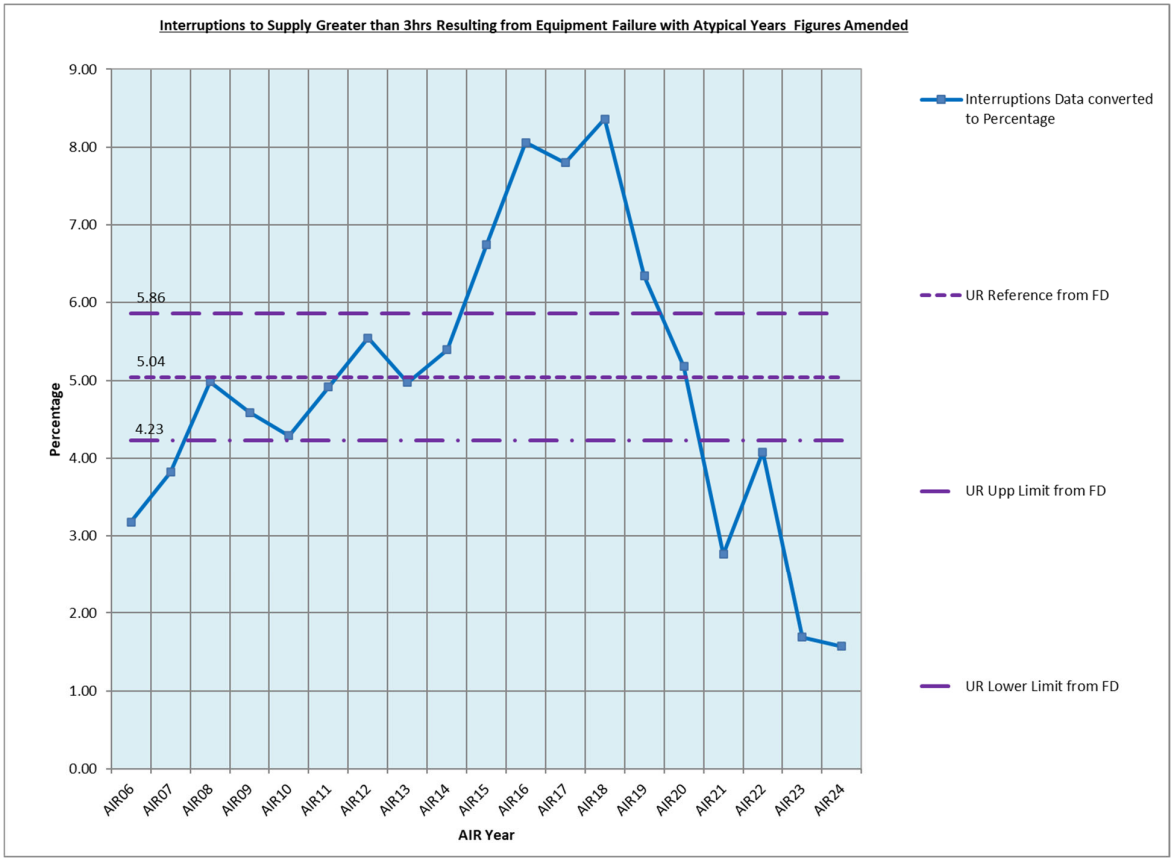
Previous outturns have been higher for a variety of reasons. Some outturns have been higher because of extreme or atypical events such as freeze/thaws and industrial action. i.e. The AIR22 outturn was higher because of a burst on a pumped trunk main, close to Dunore Water Treatment Works which caused 13,482 properties to experience an unplanned interruption of more than 3 hours.

This Year, a valve closed off in error at Westland Service Reservoir in August 2023, caused 4,773 properties to experience an unplanned interruption of more than 3 hours.

The historical outturns were also affected by an over-reporting issue but the introduction of a detailed review process has resolved this and is resulting in some interruption events being assigned now to lower time bands than they would have in the past.

Some interruptions can now be prevented through a change in working practices and the way in which bursts and other, less common causes of interruption are managed. New initiatives introduced under NI Water's ITS Strategy are helping to reduce the overall number of interruptions and when an interruption is still inevitable, for example, when bursts occur in single supply zones with rezoning limitations, these initiatives are helping to reduce the average duration of interruption and average number of affected properties per event. As a result of these changes, DG3 performance is improving and customers are benefitting by experiencing less inconvenience and disruption to their supply.

## Line 6 -Interruptions to Supply > 3hrs




The following table lists the outturn numbers of properties with outages >3 hours resulting from equipment failure for the last 6 years. During this time, the methodology was updated to include a detailed review process.

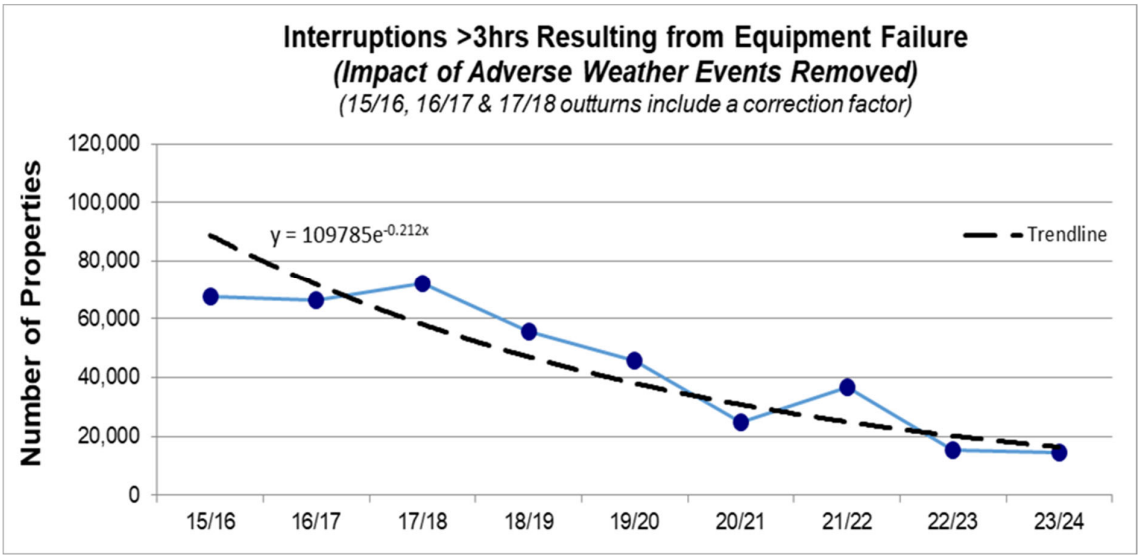
| | Properties with Outages >3 Hours | Connected Properties | Percentage Outturn |
|---|---|---|---|
| AIR19 | 55,414 | 874,307 | 6.34% |
| AIR20 | 45,759 | 883,423 | 5.18% |
| AIR21 | 24,661 | 892,910 | 2.76% |
| AIR22 | 36,835 (inc. Dunore) | 902,692 | 4.08% |
| | 23,373 (exc. Dunore) | 902,692 | 2.59% |
| AIR23 | 15,375 | 910,098 | 1.69% |
| AIR24 | 14,450 *(including. Westland SR)* | 919,190 | *1.57%* |
| | 9,677 (exc. Westland SR) | 919,190 | 1.05% |

**Discussion on the Impact on the Trend Line of the Implementation of the IMS System**

The NIW consensus is that the apparent improvement from AIR15 to AIR18 is due in part to the introduction of IMS in July 2014 when, until March 2018, the absence of a detailed review process for unplanned interruption events lasting between 3 hours and 6 hours resulted in the over-reporting of affected property numbers associated with some historical interruption events.

From April 2018, events involving more than 500 properties were reviewed in detail, from April 2020 to March 2021, events involving more than 100 were reviewed in detail and from April 2021 onwards, every event lasting more than 3 hours has been reviewed in detail because of the impact that they have on the lost minutes outturn.

As the introduction of a review process has improved the accuracy of outturns, the Company has applied a correction factor of -61.113% to the 15/16 to 17/18 outturns in the graph below to restore data consistency and reveal the serviceability trend.




**Accuracy Validation**

The following table lists the unadjusted annual actual outturn numbers of unplanned interruption **events** lasting more than 3 hours, more than 6 hours and more than 12 hours from 2015/16 to 2023/2024.

| | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 |
|---|---|---|---|---|---|---|---|---|---|
| **>3 hours** | 781 | 779 | 803 | 654 | 591 | 476 | 358 | 286 | 213 |
| **>6 hours** | 119 | 95 | 81 | 75 | 63 | 26 | 35 | 34 | 48 |
| **>12 hours** | 17 | 12 | 9 | 4 | 4 | 0 | 1 | 0 | 0 |

This table further suggests stability in the network for the > 3hours category.

**Conclusion**

Even with the impact of the Westland SR accidental valve closure issue (August 2023) included from the AIR24 outturn (an increase of 5,698nr properties or 37% of the total) ,indicates that the average duration of unplanned interruption has reduced each year for the last 3 years, with more interruptions now lasting 3 hours or less and fewer properties contributing to the regulatory return as a result.

AIR23 Table 46 Line 6 outturn = 15,375

AIR24 Table 46 Line 6 outturn = 14,450
(Properties affected by Westland SR = 4,773)

*(The 2023/24 outturn excluding Westland SR would be*
*= 14,450 - 4,773 = 9,677*
*Reduction = 15,375 - 9,677 = 5,698 a 37%reduction)*

The above reduction has been achieved through changes in the way that bursts are managed. Whenever possible, NI Water will use rezoning techniques to keep its customers in supply. This means that for many customers, the impact from a burst will be minimal. However, NI Water has a large rural network and rezoning opportunities are sometimes limited. When rezoning isn't an option, the Company now uses Mobile Booster Trailers to keep customers in supply and to greatly reduce the amount of time that customers are out of supply. The trailers can be taken to the location of bursts and are used to maintain water pressures while repairs are being carried out.

NI Water's **ITS Strategy** is focussed on improving DG3 performance and reducing the Average Minutes of Lost Supply per Connected Property. As part of the work being undertaken, the Company has engaged with other companies with a similar population size and dispersal to develop a better understanding of the technologies and techniques employed to deal with bursts and has invested in these areas.

The Company also continues to invest in the proactive rehabilitation of its water main infrastructure, reducing the likelihood of bursts occurring on older parts of the network and in areas where issues have arisen in the past. Key elements of the ITS Strategy are summarised below.

- **Capital Investment in Watermains**
- **Post-Interruption Reviews (PIRs)**
- **Working Differently**
- **SMART Network**
- **CALM Network**

NI Water now has a designated Alternative Water Supplies team responsible for maintaining supply to customers during major incidents. AWS includes the management of tankering operations and in more extreme cases, the deployment of static tanks and the distribution of bottled water. By tankering directly into service reservoirs where levels are falling, depletion issues can be avoided and customers continue to receive water from their taps. Having a designated AWS team enables water supply and distribution staff to remain focussed on their normal task of restoring supply to the network.

Recent incidents such as the Dunore pumping main burst and Westland SR valve-closed issue, reconfirm the sensitivity of this performance measure to infrequent, one-off events involving large numbers of properties, the impact of which is similar to multiple events involving fewer properties and which should not be interpreted as a sign of worsening serviceability.

There is no evidence in either the OMIS or IMS datasets (excluding atypical factors) to suggest that serviceability has been 'marginal' or 'deteriorating'. An assessment of asset performance based on the OMIS dataset confirms that serviceability was '**stable**' during the 7-year period from 2007/08 to 2013/14.

An assessment of asset performance based on the IMS dataset and with a correction factor applied to account for historical instances of over-reporting, confirms that serviceability has been '**improving**' during the 9-year period from 2015/16 to 2023/24. This is believed to be the result of an improved operational focus on work practices as opposed to an improvement in asset serviceability.

Although the trendline for this serviceability measure indicates an overall improving trend, there have been years, including 2021/22, when the outturn did not conform to an improving trend. Taking this into account, the conclusion is that NI Water's performance for this measure remains '**Stable**'.

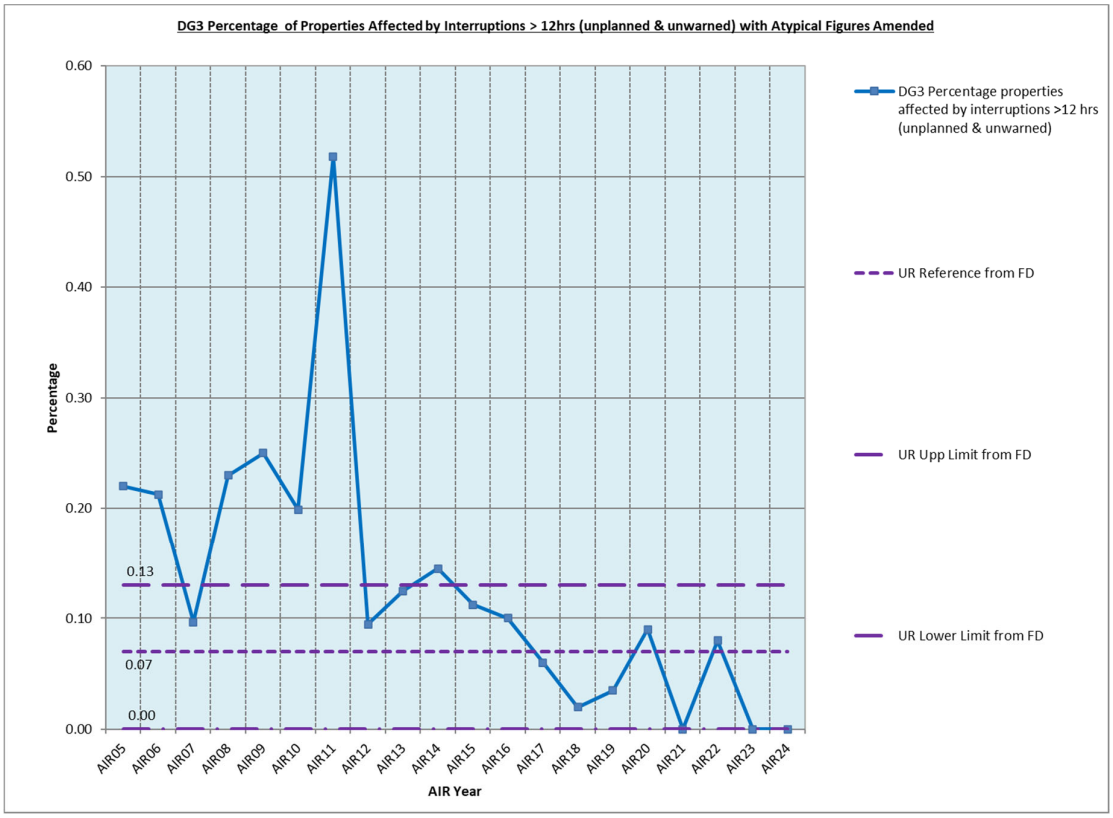
**Line 8 – Percentage of Properties Affected by Interruptions > 12hrs**

This year's outturn of zero **DG3 properties affected by an unplanned and unwarned interruption greater than 12 hours** was similar to the AIR21 and AIR23 outturns when no properties experienced such an interruption.

During 2022/23, there was a summer high demand event followed by a winter freeze/thaw event but the numbers of properties affected by these events was minimal This was mainly due to the large amount of forward planning and a general expectancy, based on previous experience.
N I Water has improved its ability to respond to such seasonal pressures on the network by investing time and resources in preparation for a worst-case scenario.

There were no comparable high demand incidents in this reporting period

**Line 8 – Percentage of Properties Affected by Interruptions > 12hrs**




The following table lists the percentage outturn numbers of properties with outages >12 hours for the last 7 years.

| | Properties with Outages >12 Hours | Connected Properties | Percentage Outturn |
|---|---|---|---|
| AIR18 | 190 | 862,988 | 0.02% |
| AIR19 | 308 | 874,307 | 0.04% |
| AIR20 | 751 | 883,423 | 0.09% |
| AIR21 | 0 | 892,910 | 0.00% |
| AIR22 | 710 | 902,692 | 0.08% |
| AIR23 | 0 | 910,098 | 0.00% |
| AIR24 | 0 | 919,190 | 0.00% |

**Table Summary of equipment failures 2007/08-2022/23**

Summary of unplanned property outage outturns >12hrs **excluding** the impact of adverse weather events, industrial action, the Head Road, Kilkeel incident **and** interruptions where the cause was unrelated to equipment failure.

| | 07/08 | 08/09 | 09/10 | 10/11 | 11/12 | 12/13 | 13/14 | 14/15 |
|---|---|---|---|---|---|---|---|---|
| Outturn | 1,655 | 1,358 | *1,563*[1] | *697*[2] | 663 | *1,017*[3] | 1,105 | *928*[4] |

| | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 |
|---|---|---|---|---|---|---|---|---|---|
| Outturn | 839 | 344 | *190*[5] | 308 | 751 | 0 | 710 | 0 | 0 |

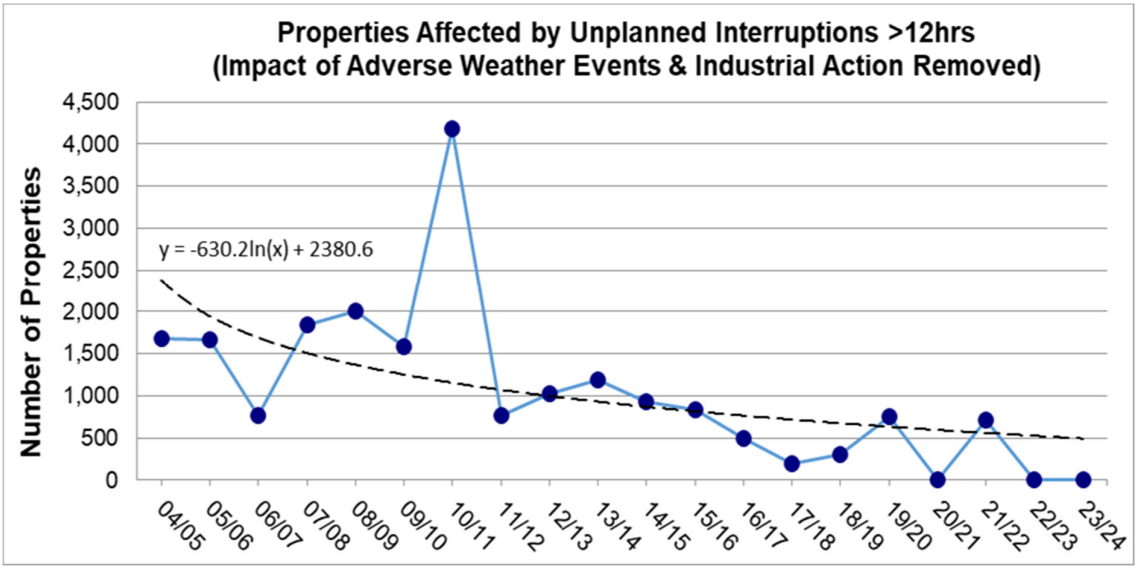
*Note 1: Freeze/Thaw Event from 24 December 2009 to 21 January 2010*
*Note 2: Freeze/Thaw Events from 8 Dec 2010 to 12 Dec 2010 & 21 Dec 2010 to 6 Jan 2011; Head Road, Kilkeel incident*
*Note 3: Adverse Weather Event from 22 to 27 March 2013*
*Note 4: Industrial Action from 22 December 2014 to 21 January 2015*
*Note 5: Severe Flooding Event – 22 August 2017*

These figures are considered a very accurate output for each year, as they have been arrived at by a thorough examination of individual incidents on a one-by-one basis by NIW staff.

The conclusion is that, although the annual outturn for Table 46: Line 8: DG3 Percentage properties affected by interruptions >12 hrs (unplanned & unwarned), continues to be stable, the ongoing perceived improvement of previous years may be more likely to be attributed to the impact of NI Water's **ITS Strategy** than asset performance.

**Note:** Although there were no extreme or atypical weather events in 2019/20, the outturn of **751** (above**)** was higher than the previous three outturns because of the severity of two of the four interruption events making up the figure, as summarised in the following table. The figures are however within the acceptable envelope in this period.

**Note:** In the 2019/20 period, the Tullywhisker and Craigstown events each had a greater number of affected properties than the Company's >12hr in-month target of 108. The Tullywhisker outage was not caused by pipeline deterioration but due to a local ground slippage.




The performance graph above, indicates an overall improving trend, despite there having been both year-on-year increases and decreases in the annual outturns. However, the perceived improvement in performance is more likely to be attributed to an increased operational focus on work practices than an improvement in asset serviceability. As the purpose of this measure is to assess whether asset serviceability in the Water Infrastructure service area is improving, stable, marginal or deteriorating, NI Water's overall assessment for this measure continues to be one of '**stable**' performance.

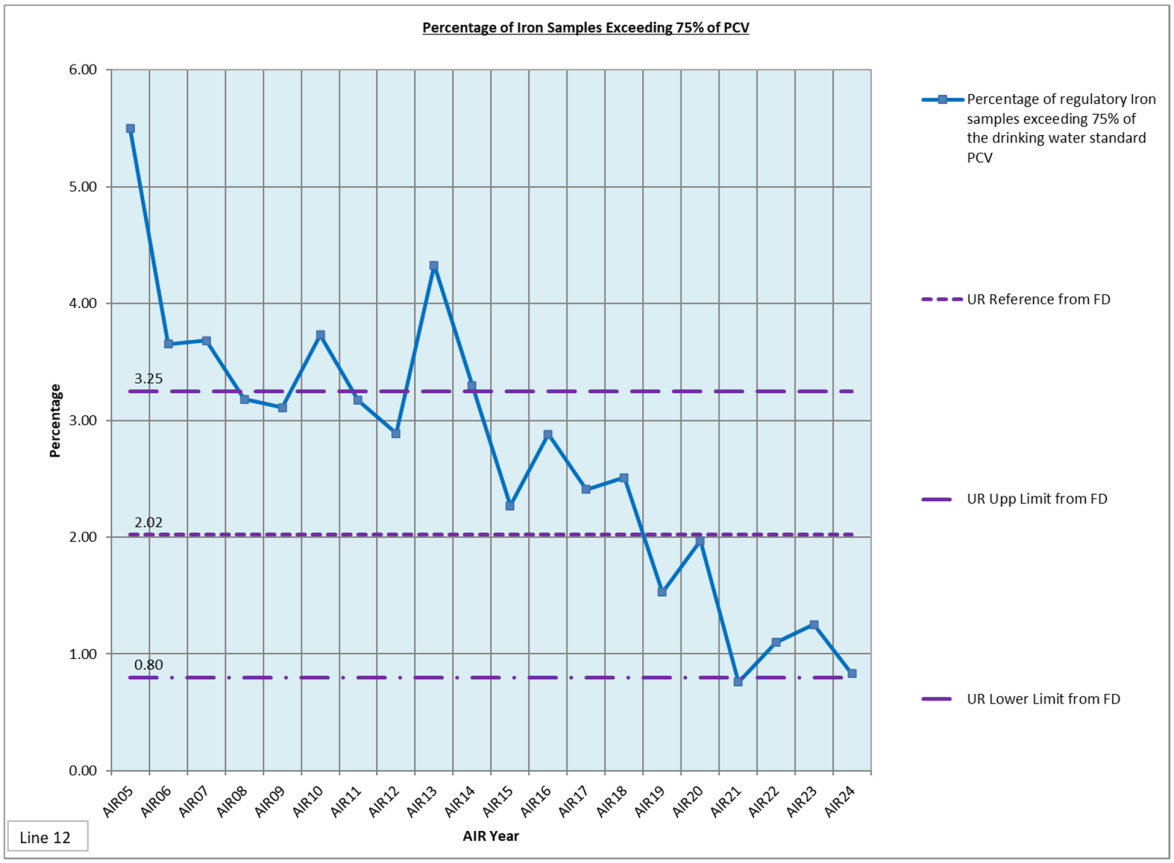
To date, the impact of initiatives targeted towards improving performance has been greatest on the 'more than 12-hour' time band as the main focus has been on those interruptions that last the longest and which therefore have the greatest potential to inconvenience customers. The Company has a Post-Interruption Review (PIR) process, the aim of which is to establish learning points from ITS events, including unplanned interruption events lasting more than 12 hours. The Company is using new systems such as network modelling to assist with PIRs and has developed a Pressure Mapper App. Completion of a Service Failure Analysis (SFA) report is now required for interruptions to >500 properties for >3hrs.

The reports will be used to help NI Water understand the wider range of root causes affecting performance and prevent repeat interruption occurrences, whilst IMS integration will facilitate the analysis process.

The conclusion is that although the annual outturn for Table 46: Line 8: **DG3 Percentage properties affected by interruptions >12 hrs (unplanned & unwarned)** is still near the lowest threshold target, the ongoing improvement of the last couple of years may be more likely to be attributed to an improved operational focus on work practices than asset performance.

**The performance for this Serviceability measure is "Stable".**

## Line 12 – Percentage of Iron Samples Exceeding 75% of PCV




The AIR 23 figure is calculated from Line 11 divided by Line 9 = 26/2003 = 1.30%

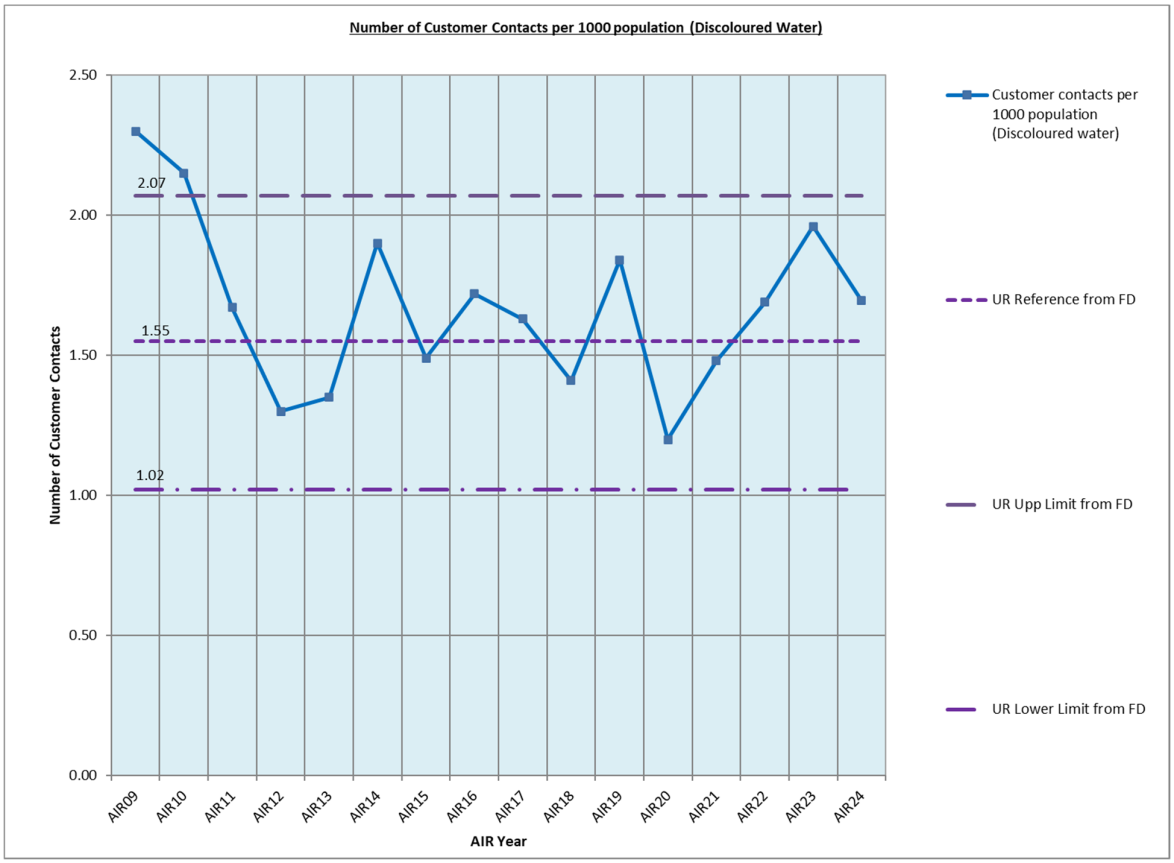
**The AIR 24 Line 17/2036 = 0.83%**

The current failure rate is relatively low, with the ongoing trend fluctuating between the UR Reference limit and the lower limit (see above) for the last 6 years.

This figure is related to a random sampling regime.

Taking these factors into account, this therefore indicates that this measure indicates a **Stable** trend as the random sampling regime can skew the trend slightly from one year to the next.

## Line 14 –Customer Contacts per 1000 population (Discoloured Water)




**The Company has arrived at a** 'Stable' assessment for this measure.

The Population figure utilised here is 1,912,120.
The output figure is therefore for AIR24 = 3,254 relevant contacts/1,912,120 = 1.70

(For AIR23, NI Water recorded 3,741 relevant contacts to be divided by a population figure of 1,912,090 which was = 1.96)

This output suggests that this trend is Stable, as the graph remains within the upper and lower limits of the target envelope

**Summary**
The trend has remains between the UR upper and lower reference level
NI Water will monitor any perceived trends
This measure is considered to be **Stable**

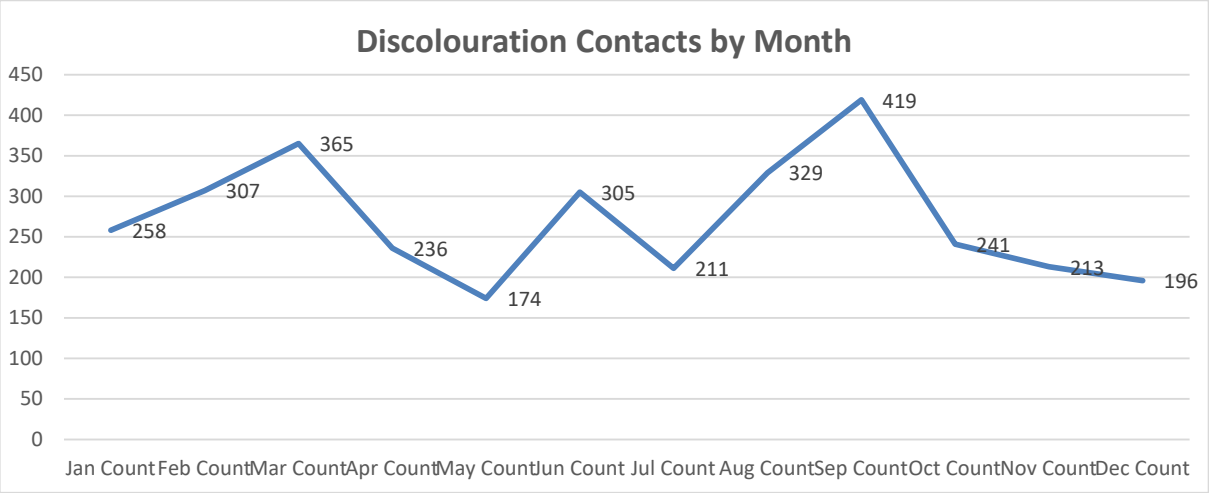
See the actual contact numbers in the table below during this period.

| | AIR 17 | AIR 18 | AIR 19 | AIR 20 | AIR 21 | AIR 22 | AIR 23 | AIR 24 |
|---|---|---|---|---|---|---|---|---|
| **Average Monthly Number of Calls on This Issue** | 252 | 219 | 287 | 188 | 234 | 268 | 312 | 271 |
| **Total Customer Contacts on Water Network for Discolouration Issues** | 3029 | 2632 | 3447 | 2257 | 2807 | 3220 | 3741 | 3254 |

**Total Calls Logged Per Calendar Month in 2023 (For AIR 24 Reporting Period)**

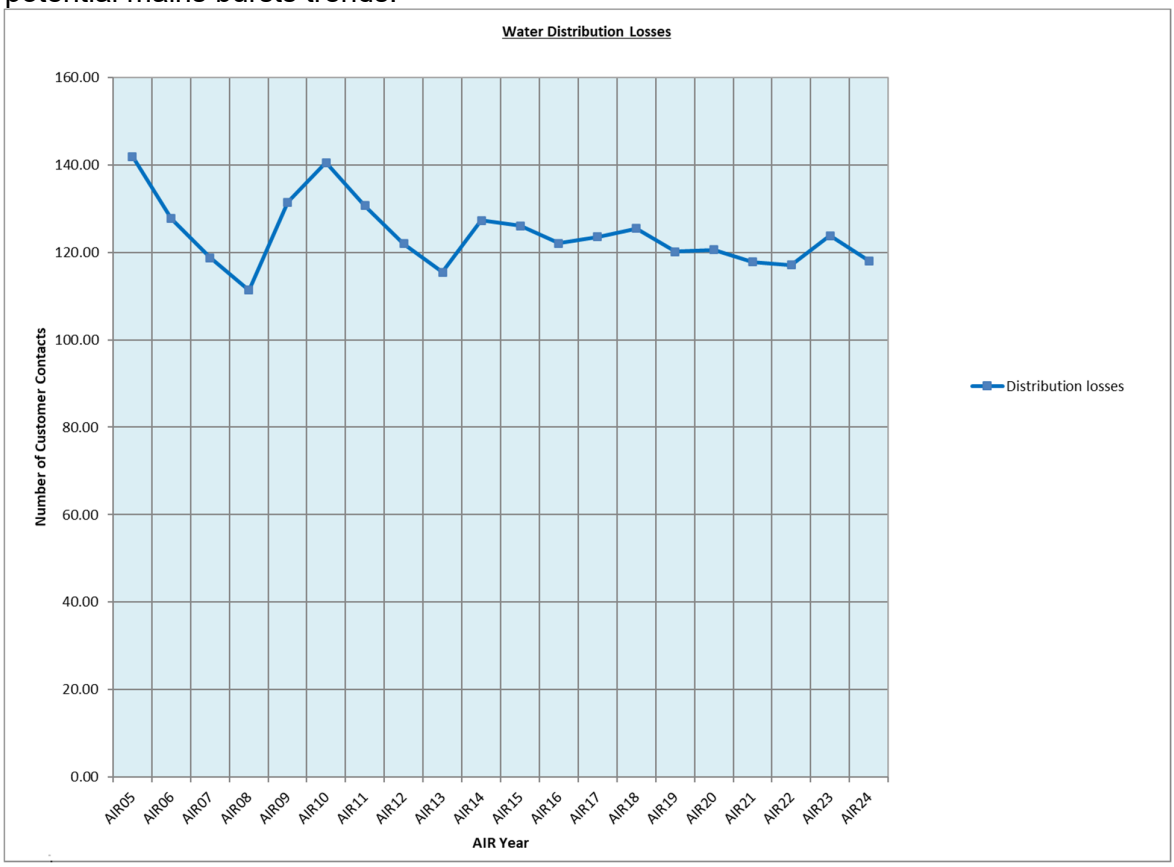
| Discolouration Contacts per month 2023 | |
|---|---|
| **Month** | **Count of Contact** |
| **Jan Count** | **258** |
| **Feb Count** | **307** |
| **Mar Count** | **365** |
| **Apr Count** | **236** |
| **May Count** | **174** |
| **Jun Count** | **305** |
| **Jul Count** | **211** |
| **Aug Count** | **329** |
| **Sep Count** | **419** |
| **Oct Count** | **241** |
| **Nov Count** | **213** |
| **Dec Count** | **196** |
| **Grand Count** | **3254** |
| **Average Monthly number of contacts** | 271 |

**The average monthly total for AIR24 (for the Calendar Period Jan to Dec 2023 ) is 271 Calls which is comparable to the 312 calls from last year**



## Line 15 – Water Distribution Losses

This information as an explanatory factor for mains bursts which can be monitored for potential mains bursts trends.




The Water Distribution losses total for **AIR24** =118.08 Ml/day

This figure is comparable to the output figures since the start of PC15.
This is calculated by subtracting Lines 16 (DSOU) and 20 (Water Delivered) from Line 26 (Distribution Input),

This Indicator is considered to **Stable.**

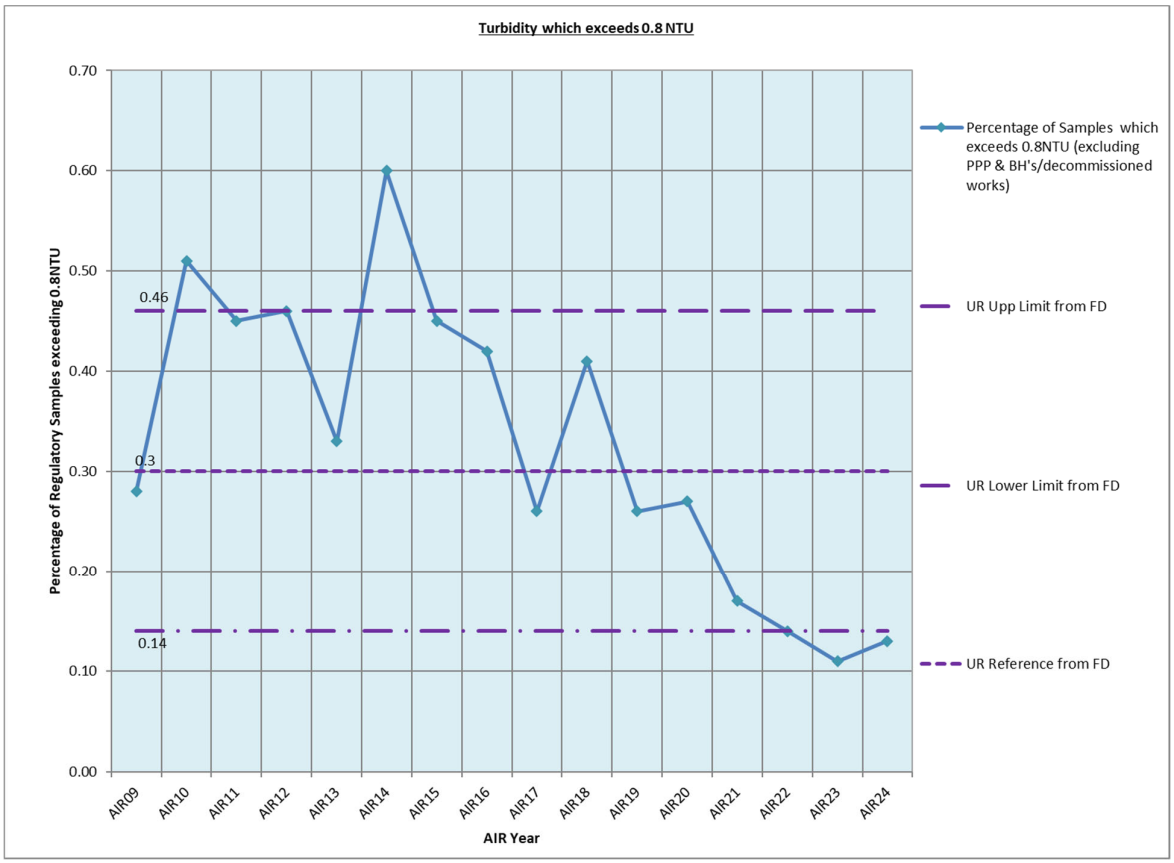
**Line 30 – Company's overall serviceability assessment for Water Non-Infrastructure**

The serviceability assessment has been designated as **Stable** as the trend analysis associated with the basket of serviceability indicators, used to assess serviceability for water non-infrastructure, are either within, or have outperformed the control limits based on the latest AIR23 information.

This can be seen in the serviceability graphs below and the associated comments:

**Primary Indicator**

**Line 20 – Turbidity which exceeds 0.8NTU – excluding PPP & BH's/decommissioned works**




The output for AIR 23 = 0.11%

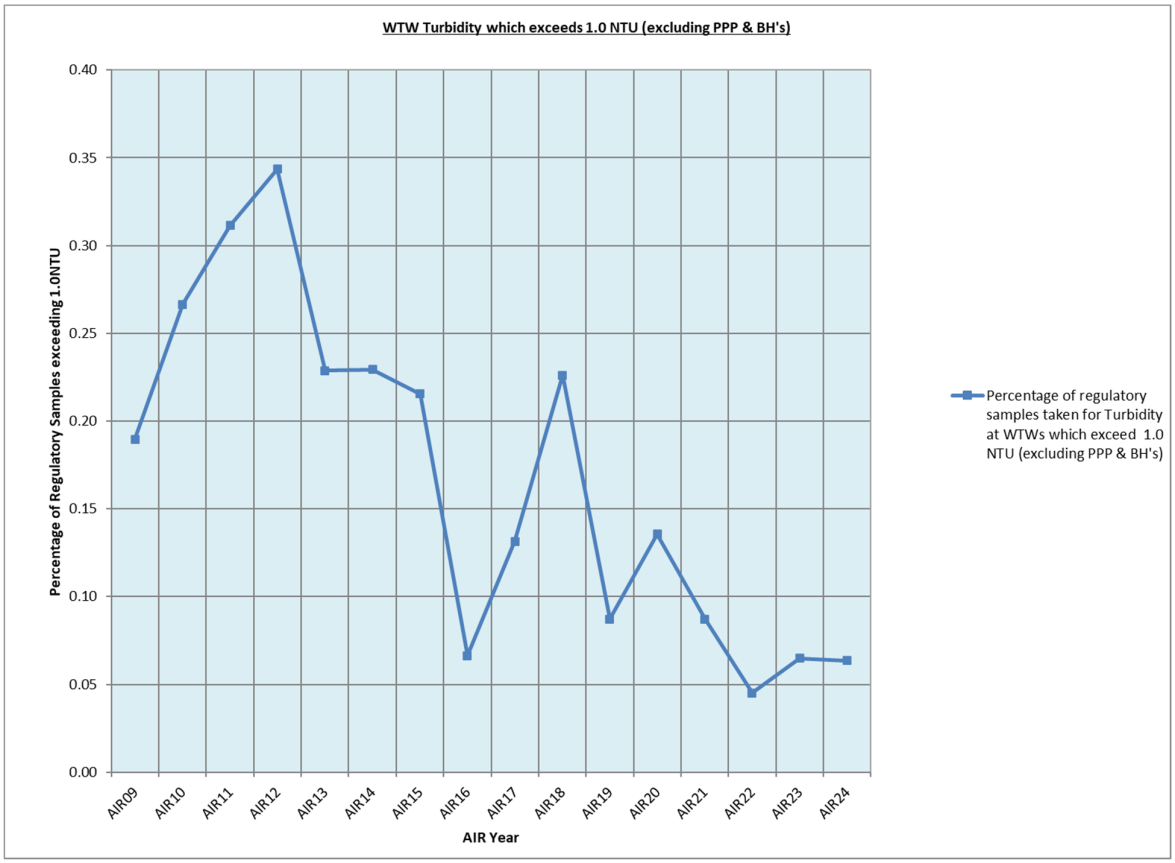
The AIR 23 figure is calculated from Line 19 = 5 failed regulatory samples divided by Line 17 = 4,601 (total samples) and calculated as a percentage =0.11%

**The AIR 24 figure is calculated from Line 19 = 8 failed regulatory samples divided by Line 17 = 6,294 (total turbidity samples) and calculated as a percentage =0.13%**

For the last 5 years the trend has kept between the lower and the median of the agreed UR Limits, on the graph.
This measure is considered to be **Stable.**

## Secondary Indicators

### Line 18 WTW Turbidity which exceeds 1.0 NTU



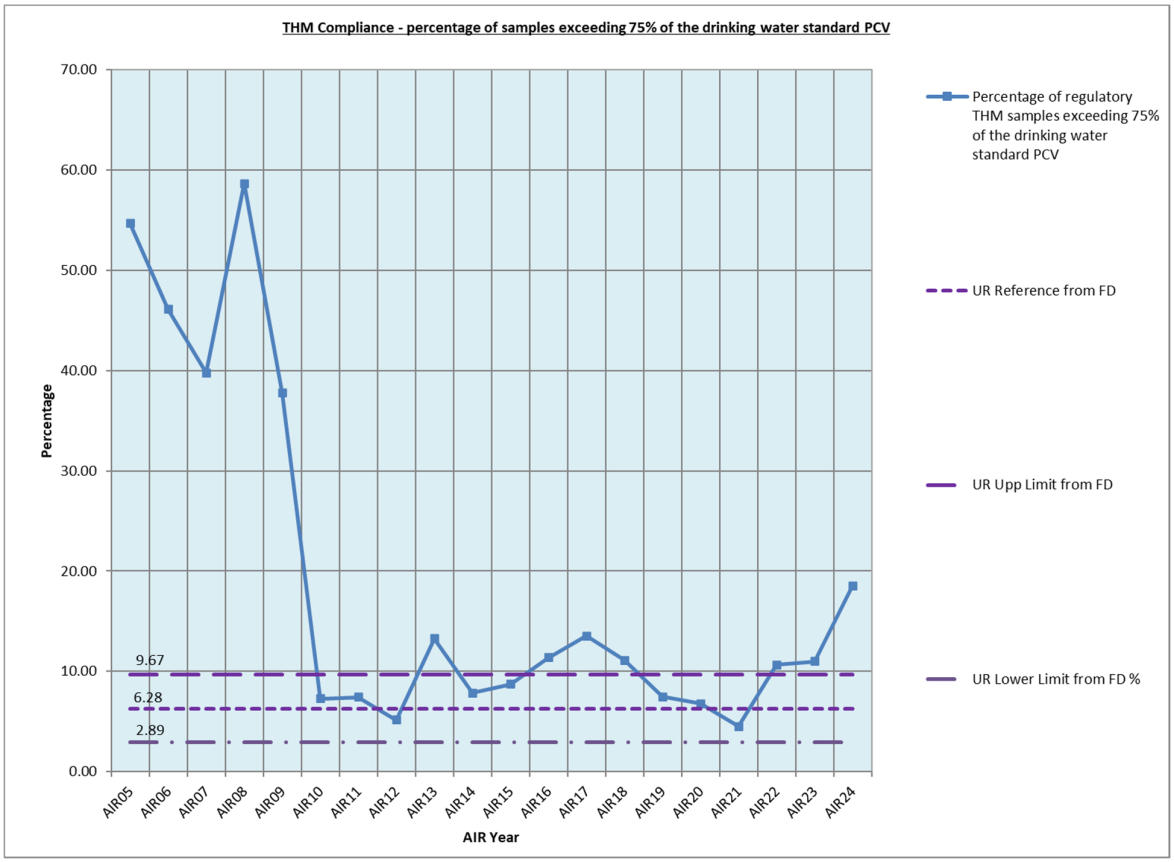

**The AIR 24 figure is calculated from line 18 = 4 failed regulatory samples divided by Line 17, = 6,294 samples, expressed as a percentage =4/6,294 = 0.06%**

This factor is included as an indicator only. The outputs from the last 4 years have shown a pattern, not exceeding 0.10%.

The “WTW Turbidity which exceeds 1.0 NTU – excluding PPP & BH’s/decommissioned works” does not have indicator limits/references set by the Regulator. It has been included for illustrative purposes only.

NIW continue to carry out investigations in relation to quality check issues with sample points and analytical equipment, which can indicate exceedances, but are not generally reflective of the water quality, or the Serviceability of the WTW.
This measure is considered to be **Stable.**

**Line 24 - THM Compliance - percentage of samples exceeding 75% of the drinking water standard PCV.**




**This output is calculated by dividing Line 23 = 86 samples which failed in this range, by Line 21= 464 samples taken, i.e. 86/464 = expressed as a percentage =18.5%**

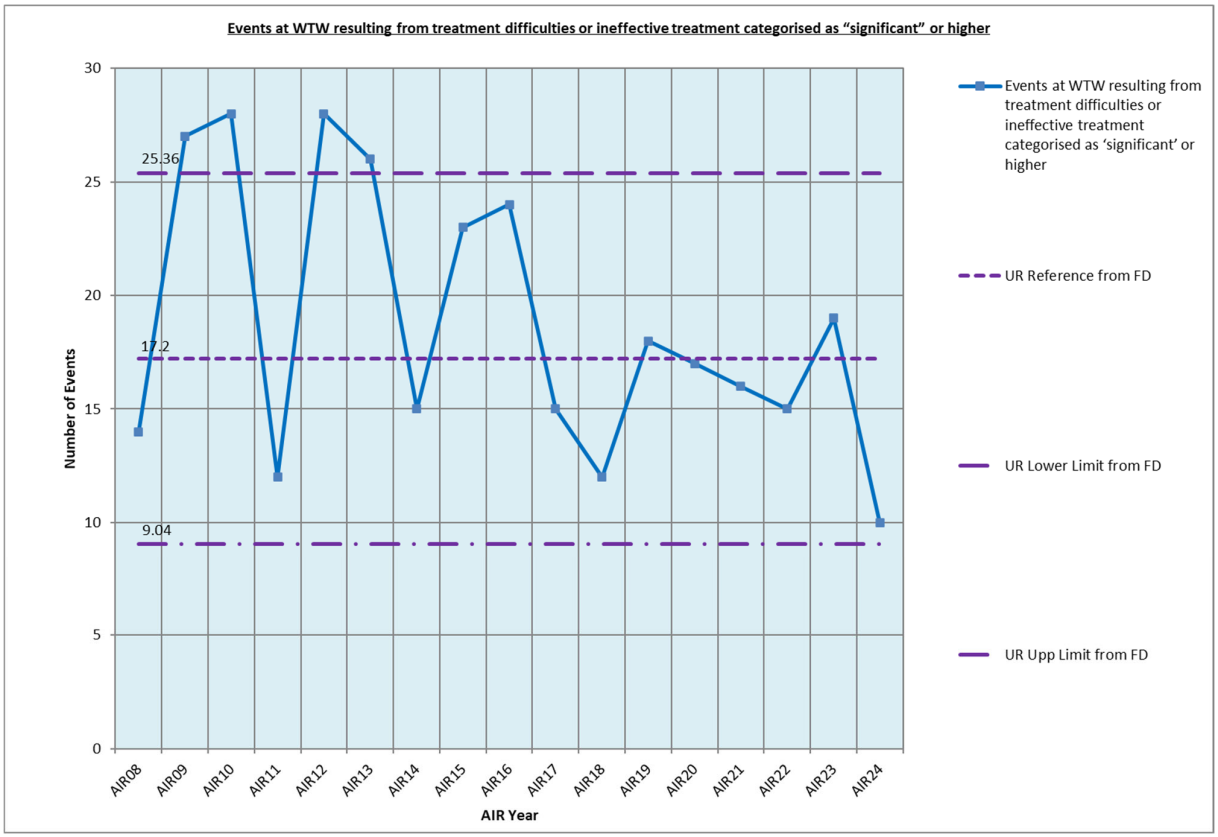
AIR22 to AIR24 outputs have exceeded the upper control limit, and is therefore now considered to be **Deteriorating.**

THM Action Plans have been developed, and both THM results, and the Action Plans are discussed on a monthly basis at the Water Quality Compliance Review Group.

The WTWs have a final water operational monitor for THMs, which acts as a proactive alarm if 50% of the PCV (50µg/l) is measured. THMs outputs are regularly monitored within NI Water

This measure is considered to be **Deteriorating.**

## Line 25 - Events at WTW resulting from treatment difficulties or ineffective treatment categorised as “significant” or higher

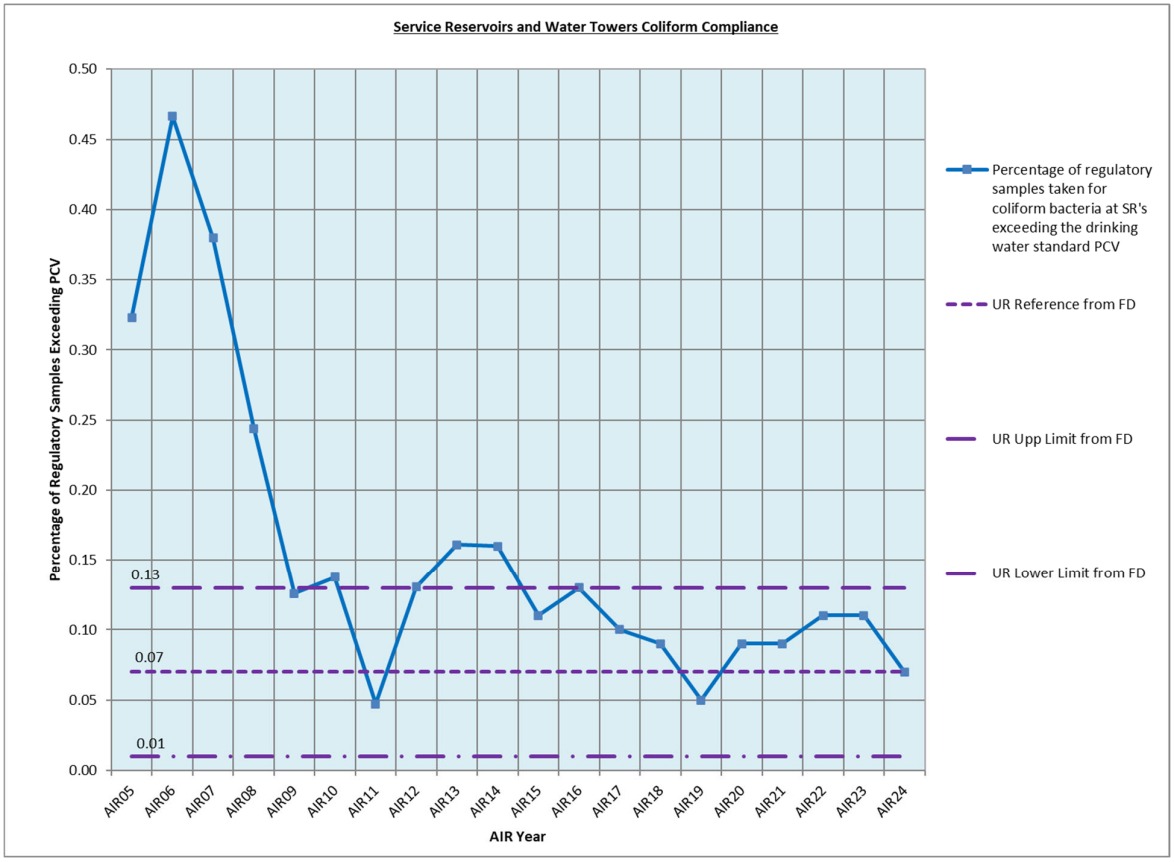



**The output for AIR24 is a number of events recorded is 10 nr.**

The PC21 trend is fluctuating around the UR median reference limit since AIR 17

“Events at WTW resulting from treatment difficulties or ineffective treatment categorised as significant or higher” to DWI, has continued, since AIR 14, to perform as **Stable.**

## Line 28 - Service Reservoirs and Water Towers Coliform Compliance – Secondary Indicator



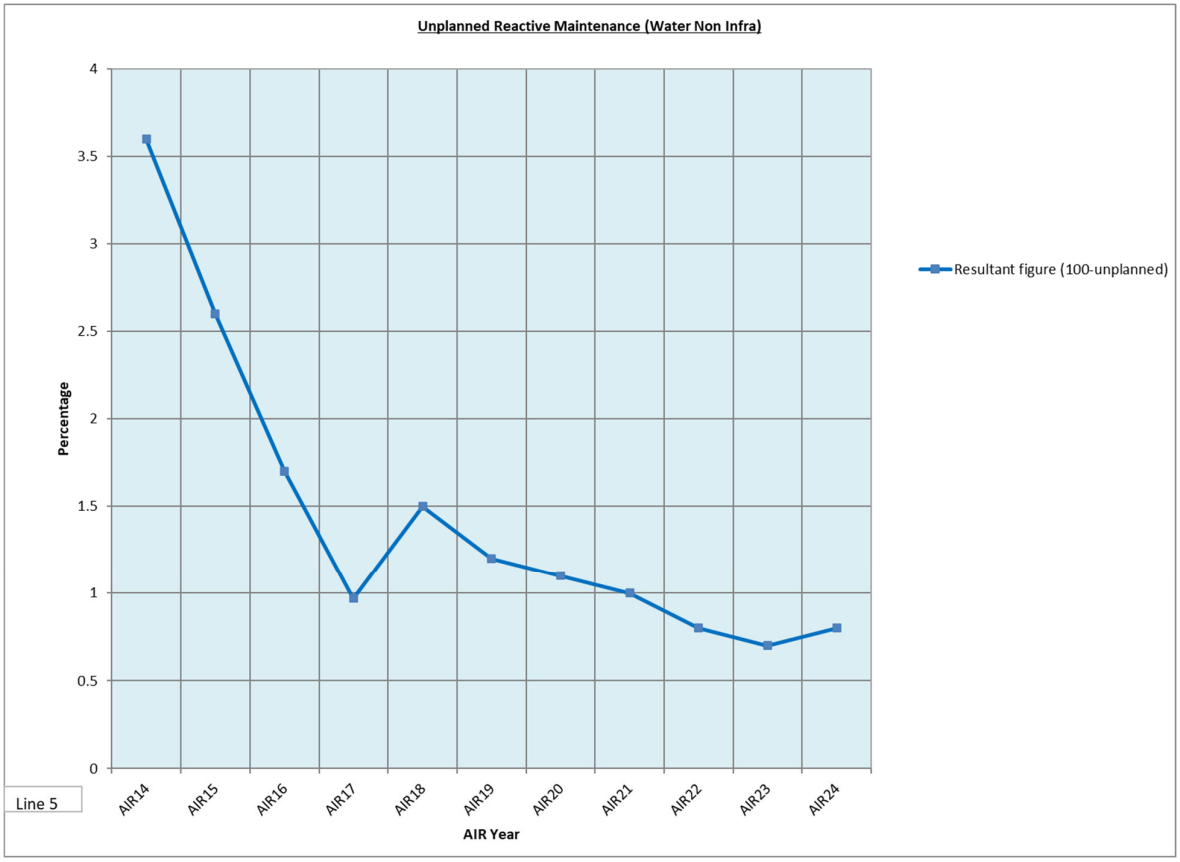

The AIR 24 figure is calculated from Line 27 (number of failed samples) = 11 divided by Line 26 = Total number of samples taken = 14,795nr = 0.074

**The output is 11/14 795 expressed as a percentage = 0.07%**

This figure has fluctuated between the UR median reference limit and the UR Upper limit since AIR17 This is a result of proactive inspections and refurbishments and proactive SR management.

“Service Reservoirs and Water Towers Coliform Compliance” has continued to show **Stable** performance over recent years.

## Line 29 – Unplanned Reactive Maintenance (Water Non-Infra) – Percentage of Availability of Critical Assets




Although this indicator is the Percentage of Availability of Critical Assets the figures in the above graph depict the non-availability of critical assets for illustrative purposes, and to maintain a consistent approach with other graphs within this document.

The figures are based on telemetry data for the critical items of plant in a failed state. As this is relatively new reported data, the reference and limits have not been set, as a larger range of data is required before Serviceability can be reasonably assessed.

The reduction of items in a failed state over recent years may be due to routine proactive maintenance and the prioritisation of capital investment to sites/assets where most required.

There is a continued focus on the out of service database and returning failed assets to service as soon as possible. This has resulted in this reduction over previous few years; however, it is accepted that due to the nature of the industry there will always some level of unavailability of assets. This trend is stable, see graph above.

**The returned AIR24 figure for this measure is 0.75%, i.e. 0.8%on the data table (to 1 decimal point).**

**Note:** The THM Compliance is considered to be deteriorating. However, the Network overall, is considered to be **Stable.**

### Line 45 – Company's overall serviceability assessment for Sewerage Infrastructure

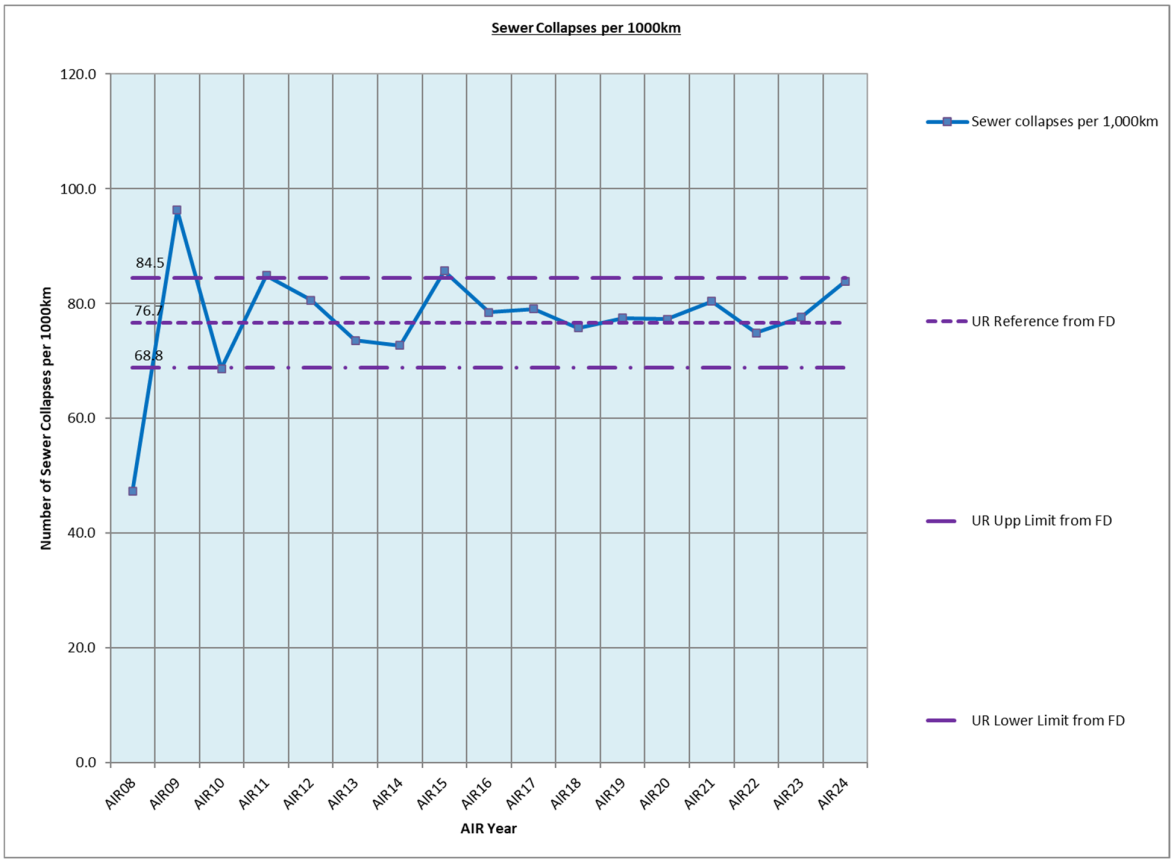
The serviceability assessment has been designated as Stable as the trend analysis associated with the basket of serviceability indicators, used to assess serviceability for sewerage infrastructure, are all within the control limits or under the lower control limits based on the latest AIR24 information.

## Wastewater Infra Serviceability

### Primary Indicator

### Line 35 – Sewer Collapses per 1,000km

This graph shows the number of collapses reported over the AIR return periods, which would indicate a continuing Stable performance for AIR24.

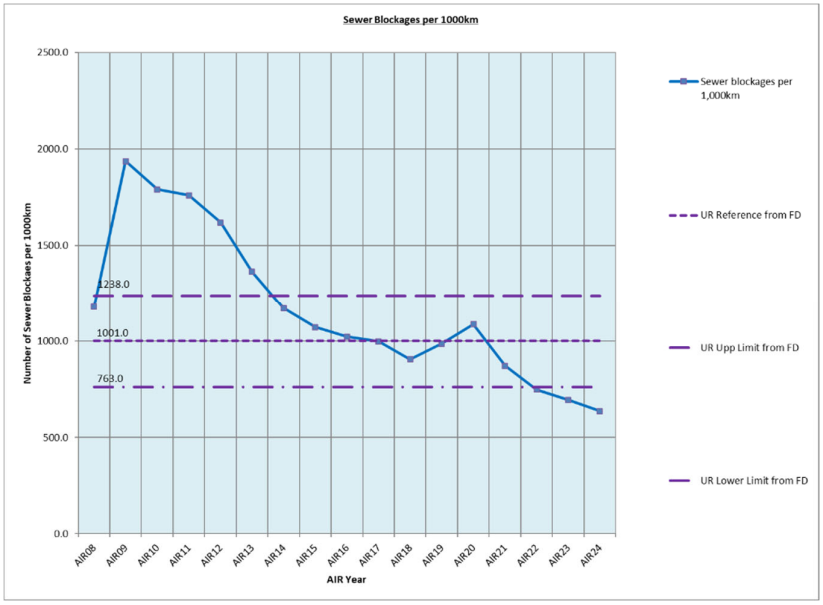


## Secondary Indicators

### Line 37 – Sewer Blockages per 1,000km

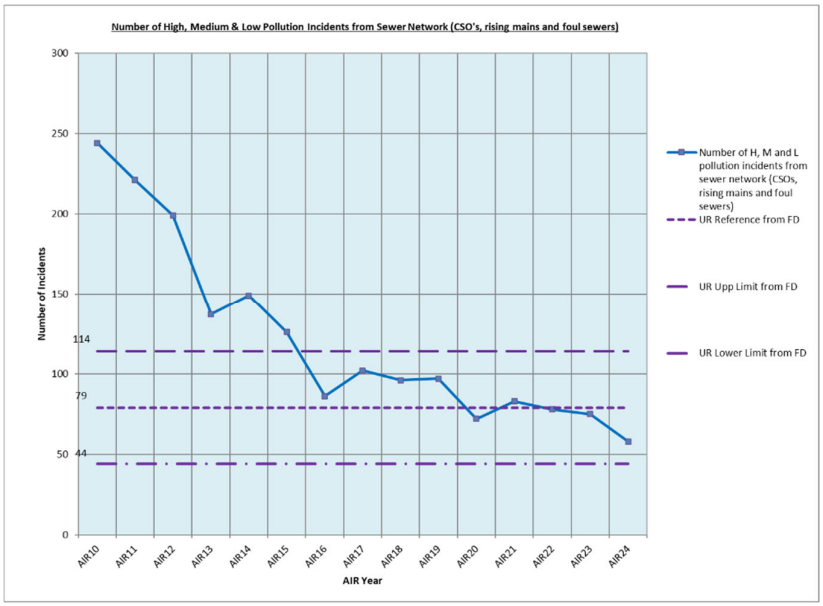
This graph shows the number of blockages per 1000km over the different AIR return periods, which would indicate an Improving performance.

The reduction strategy set out by NI Water is making a positive impact in the reduction of sewer blockages. By the use of the hotspot tool, letter drops in certain catchments and an increased programme of CCTV, the number of blockages has greatly reduced since 2008/09.



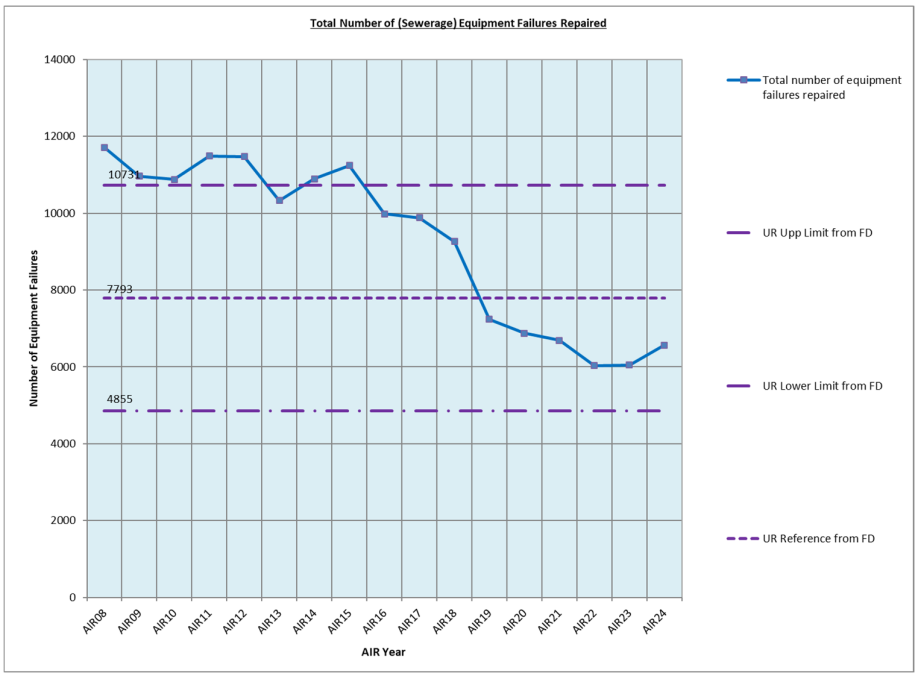

### Line 39 - Number of H, M and L Pollution Incidents from Sewer Network

This graph shows the high, medium and low pollution incidents from the sewer network over the AIR return periods for CSO's, rising mains and foul sewers. Which would indicate a Stable performance.



## Line 42 – Total Number of (Sewerage) Equipment Failures Repaired

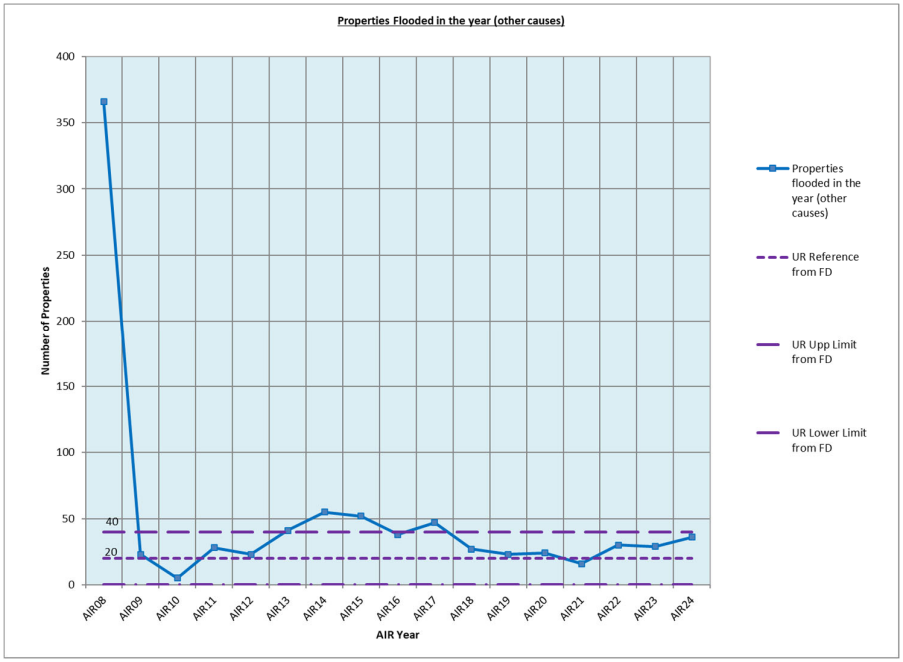
This graph shows the total number of sewerage equipment failures repaired and continues to show a Stable performance.




## Tertiary Indicators

## Line 40 – Properties Flooded in the Year

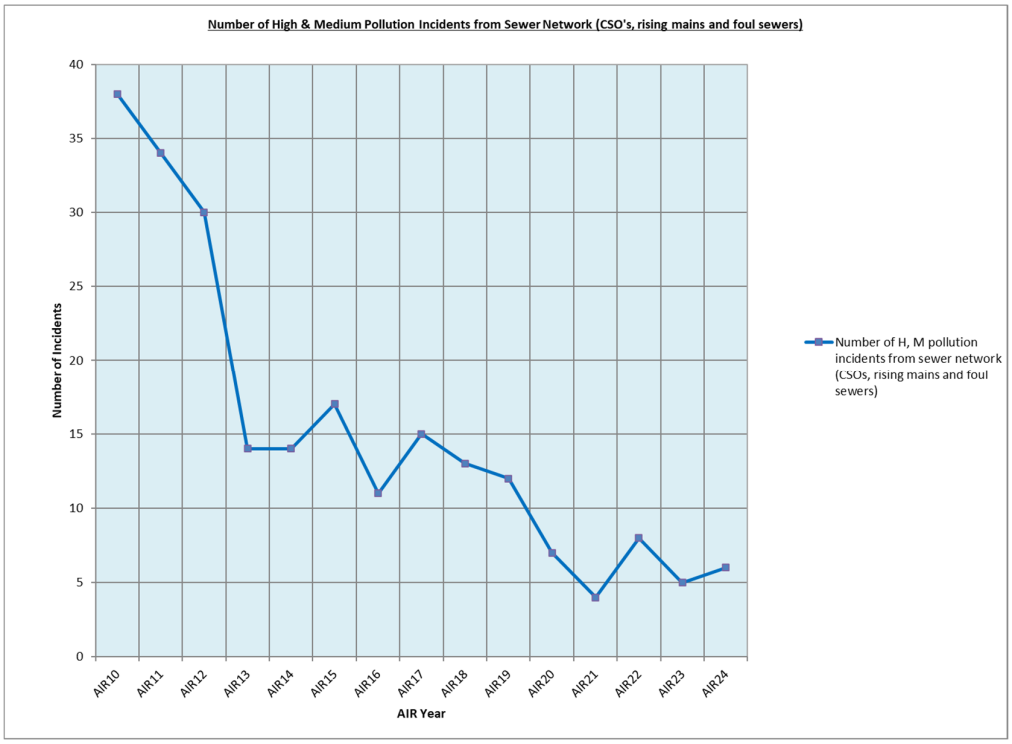
This indicator is to monitor performance and not incorporated in the serviceability assessment, it has however been included as a Tertiary Indicator. It continues to perform as Stable.
NB This graph has been suspended by the NIAUR.



## Other Informative Graphs

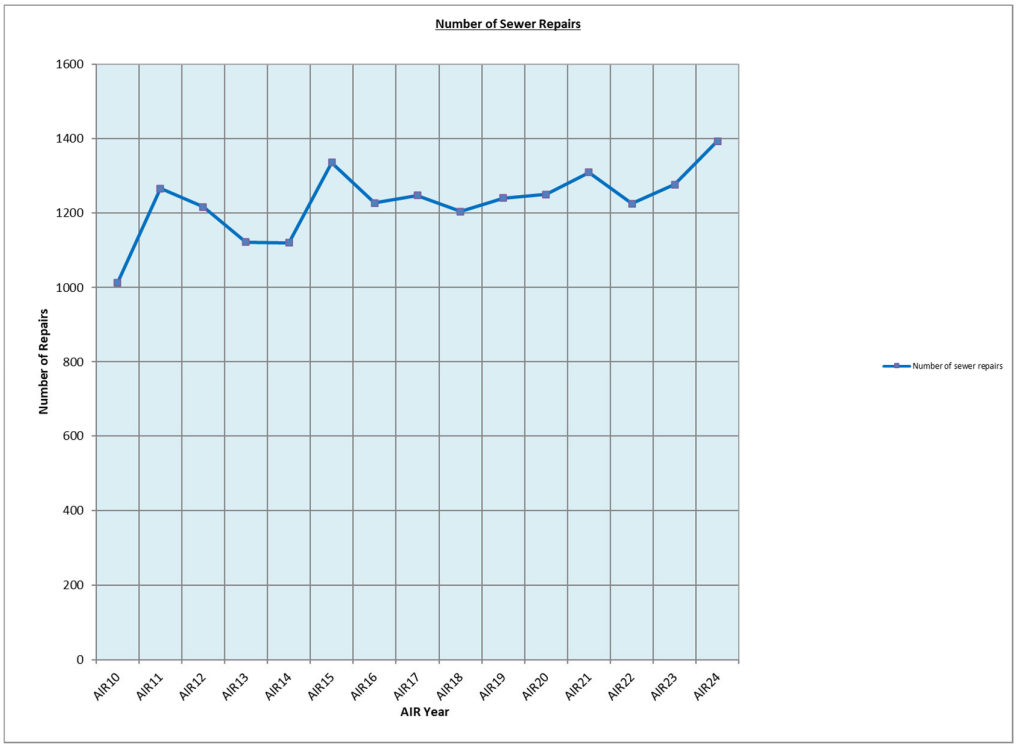
### Line 38 – Number of H and M Pollution Incidents from Sewer Network

This graph has been submitted for information purposes only.




### Line 44 – Number of sewer repairs

This graph is included for information only.



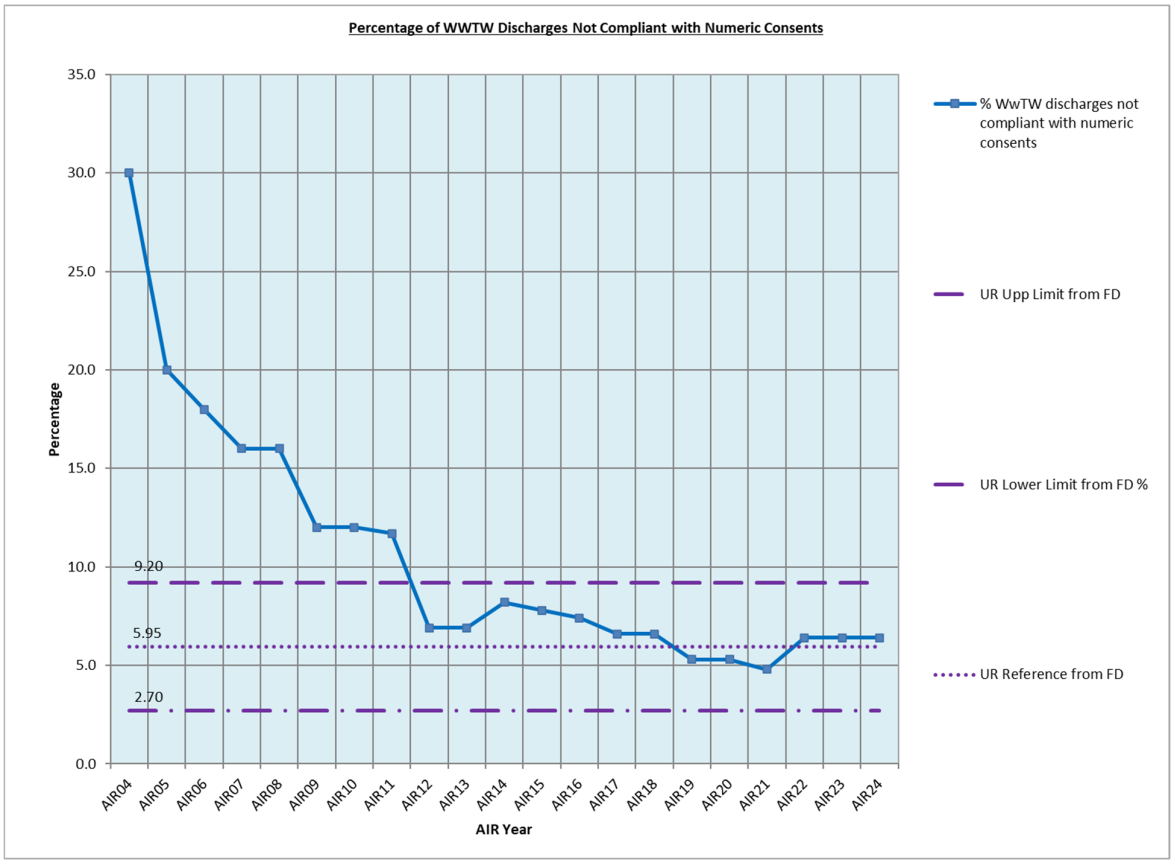
### Line 54 – Company's overall serviceability assessment for wastewater non-infrastructure

The serviceability assessment for AIR24 has been designated as Stable as the trend analysis associated with the basket of serviceability indicators, used to assess serviceability for wastewater non-infrastructure, shows both the Primary and Secondary Indicators as Stable.

### Primary Indicator

### Line 46 – Percentage of WWTW Discharges Not Compliant with Numeric Consents

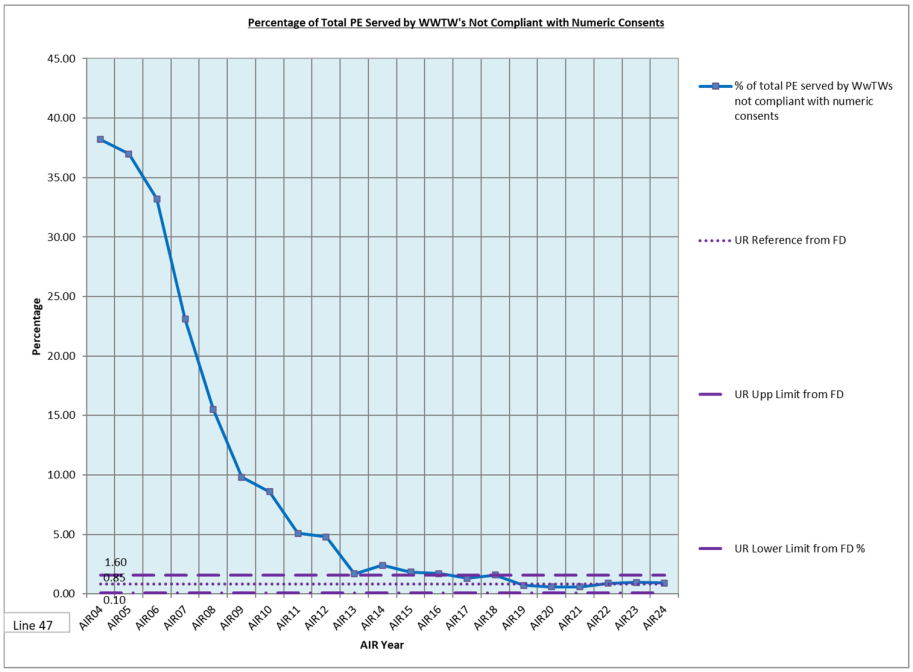
"Percentage of WWTW Discharges Not Compliant with Numeric Consents" has continued to show Stable performance over recent years. The regular investment from Capital Maintenance and Quality driven projects has helped maintain this Stable output.
NB The NIAUR updated Limits for data after AIR22.



## Secondary Indicators

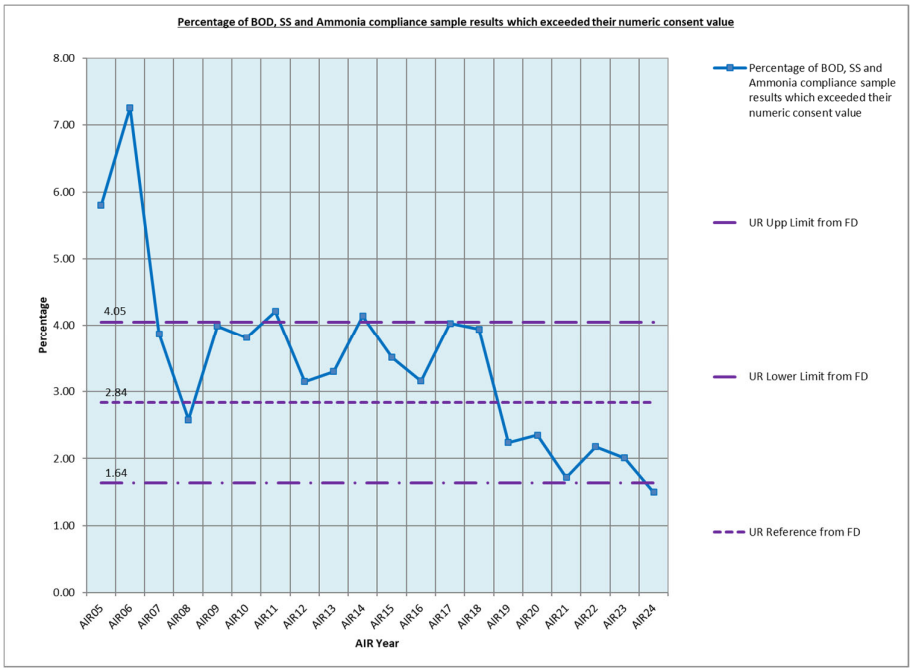
### Line 47 – Percentage of Total PE Served by WWTWs Not Compliant with Numeric Consents

"Percentage of Total PE Served by WWTWs Not Compliant with Numeric Consents" has shown Stable performance.
NB The NIAUR updated Limits for data after AIR22.



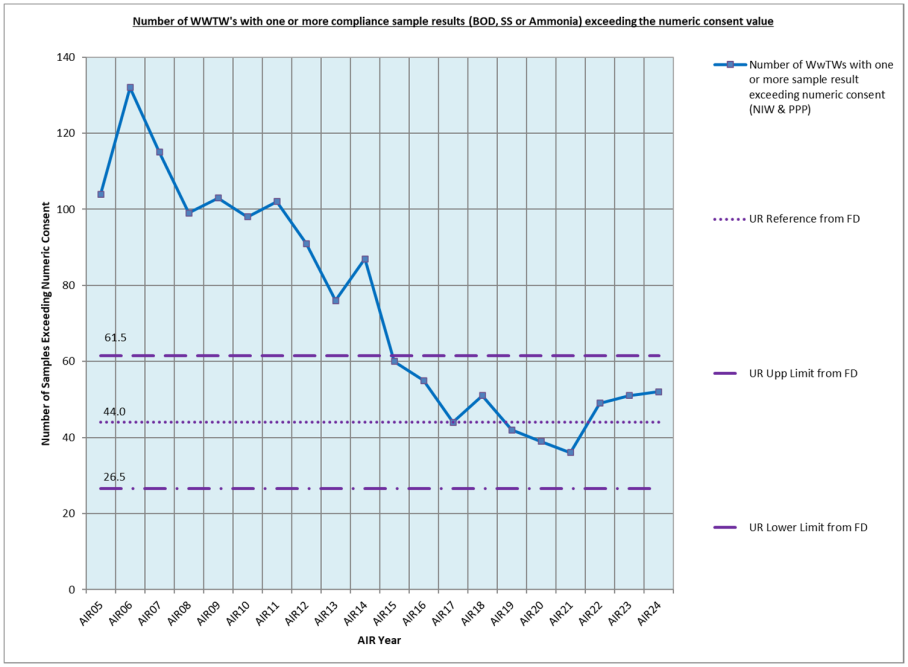

### Line 50 – Percentage of BOD, SS and Ammonia compliance sample results which exceeded their numeric consent value

Since the initial outlying figures of AIR05 & AIR06 the "Percentage of BOD, SS and Ammonia compliance sample results which exceeded their numeric consent value" has continued to perform well in AIR24.



## Line 51 - Number of WWTWs with one or more compliance sample results (BOD, SS or Ammonia) exceeding the numeric consent value

“Number of WWTWs with one or more compliance sample results (BOD, SS or Ammonia) exceeding the numeric consent value” has been Stable in AIR24.



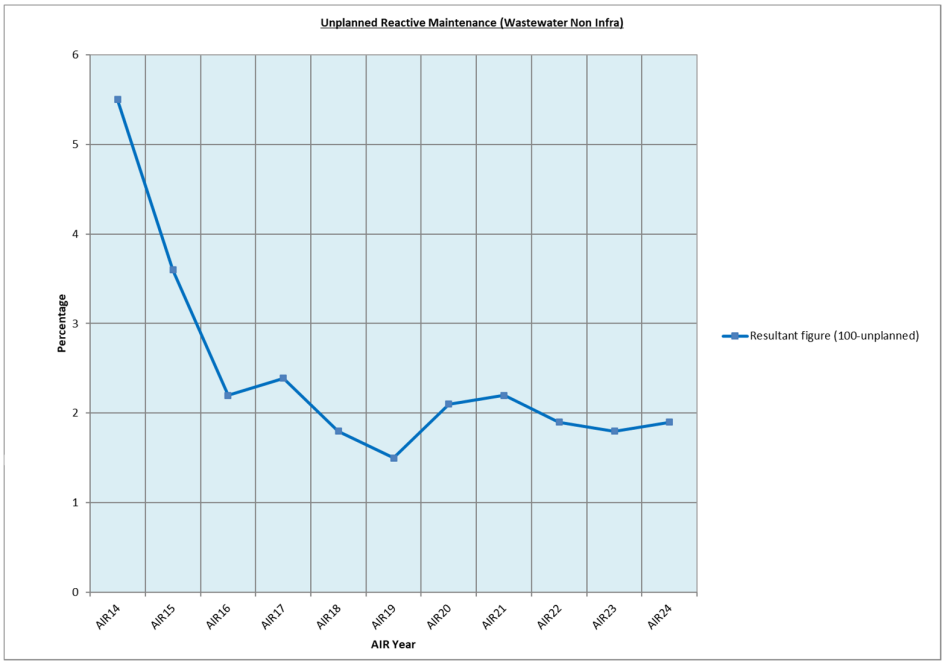

## Other Informative Graph

## Line 53 – Unplanned Reactive Maintenance (Wastewater Non Infra) – Percentage of Availability of Critical Assets

Although this indicator is the Percentage of Availability of Critical Assets, the figures in the above graph depict the non-availability of critical assets for illustrative purposes, and also to maintain a consistent approach with other graphs within this document.

The figures are based on telemetry data for the critical items of plant in a failed state. As this is relatively new reported data, Reference and Limits have not been set as a larger range of data is required before Serviceability can be reasonably assessed.

The reduction of items in a failed state over recent years may be due to the benign weather, routine proactive maintenance and/or the prioritisation of capital investment to sites/assets where most required.


Unplanned Reactive Maintenance (Wastewater Non Infra)
Percentage
0
1
2
3
4
5
6
AIR14
AIR15
AIR16
AIR17
AIR18
AIR19
AIR20
AIR21
AIR22
AIR23
AIR24
AIR Year
Resultant figure (100-unplanned)

# Table 47 - Development Outputs