

HEALTH, SAFETY & ENVIRONMENTAL CARBON REDUCTION PLAN

1.0 PURPOSE

MJ Church (Plant) Limited has a target to achieve net zero by 2040, we will achieve this through continuous annual reporting & development of our Carbon Reduction Plan. A carbon Reduction Plan is essential to formulate a measurable and achievable strategy for reducing greenhouse gas emissions.

2.0 SCOPE

This Carbon Reduction Plan applies to all MJ Church (Plant) Limited business offices, facilities, fleet and operational activities.

3.0 REFERENCES

- <https://www.gov.uk/government/publications/net-zero-strategy>
- SECR 2019 – 2025
- National Highways Procurement Requirements
- PPN 06/21 Carbon Reduction Plan Format
- PAS 2080: Carbon Management in Infrastructure
- Net Zero Target: 2040

4.0 PROCEDURE

4.1 Introduction

MJ Church (Plant) Limited is committed to achieving Net Zero greenhouse gas (GHG) emissions by 2040. This Carbon Reduction Plan (CRP) is prepared in compliance with PPN 06/21 and aligned to the principles of PAS 2080: Carbon Management in Infrastructure. It also reflects National Highways' carbon reduction expectations for contractors and supply chain partners operating within construction, civil engineering, and maintenance environments.

3. Baseline Emissions Footprint

MJ Church (Plant) Limited has established a baseline emissions year of 2019. This baseline includes measured and modelled data across the required categories:

3.1 Scope 1 (Direct Emissions)

- Fuel burned in plant, machinery, and company vehicles
- On-site emissions from generators, heating, and other combustion sources

3.2 Scope 2 (Indirect Emissions)

- Purchased electricity for offices, depots, and workshops

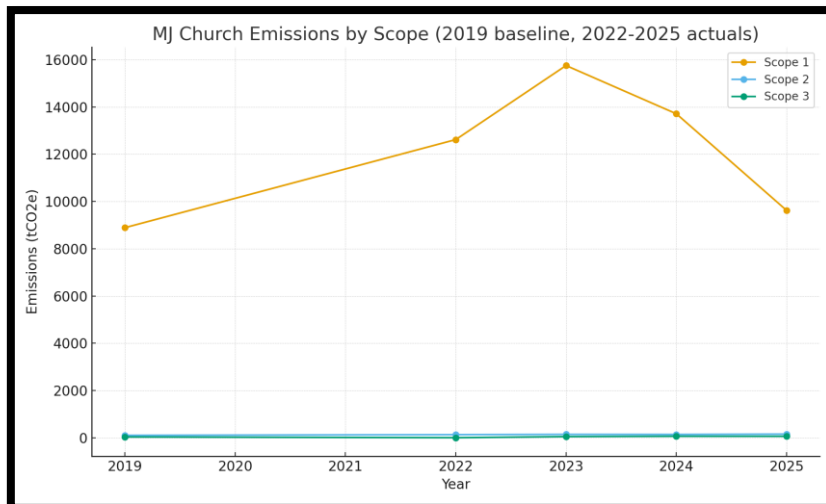
3.3 Scope 3 (Selected Categories)

- Purchased goods and services
- Fuel- and energy-related activities
- Waste generated in operations
- Business travel
- Employee commuting
- Upstream and downstream transportation and distribution

Annual emissions figures are recorded, verified internally, and reviewed in accordance with PPN 06/21 and PAS 2080 requirements.

Emission Source	2019 tCO ₂ e
Scope 1	8,891.05
Scope 2	100.39
Scope 3 (included categories)	31.78
Total Gross Emissions	9,033.33
Intensity Ratio (tCO ₂ e/£M turnover)	205.04

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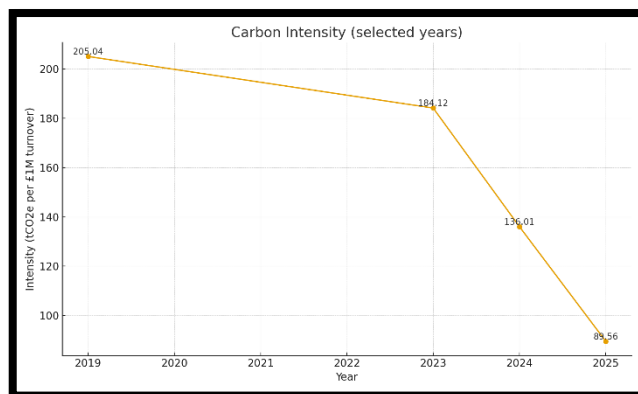
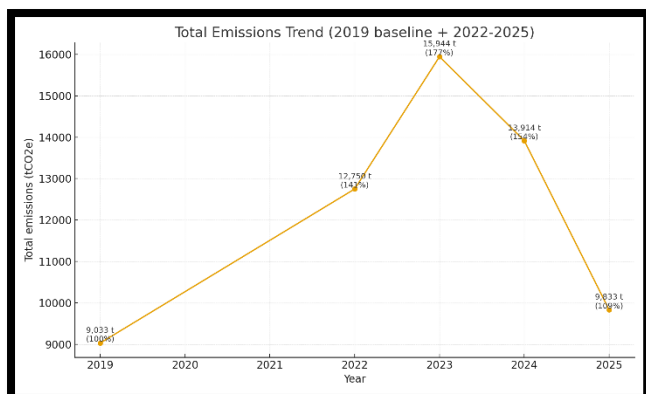
4. Current Emissions Reporting (Most Recent Year)

MJ Church (Plant) Limited publishes annual carbon emissions data that aligns with the reporting structure of PPN 06/21. The latest emissions inventory includes:

- Scope 1 emissions from plant, transport, heating, and fuel use
- Scope 2 emissions from grid electricity consumption
- Scope 3 emissions across the mandatory seven categories

Data is collected through fuel management systems, telematics, energy billing, waste transfer reporting, and procurement datasets.

Emission Source	2025 tCO ₂ e
Scope 1	9,621.51
Scope 2	152.90
Scope 3 (included categories)	59.03
Total Gross Emissions	9,833.44
Intensity Ratio (tCO ₂ e/£M turnover)	89.56



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5. Carbon Reduction Targets

MJ Church (Plant) Limited commits to achieving Net Zero by 2040.

Interim targets include:

- **2030:** 50% reduction in Scope 1 & 2 emissions from the 2019 baseline.
- **2035:** 40% reduction in Scope 3 emissions from the 2019 baseline.
- **2040:** Net Zero across Scopes 1, 2, and relevant Scope 3 categories.

These targets align with PAS 2080 principles of:

- Whole-life carbon management.
- Early carbon estimation.
- Value chain collaboration.

They further respond to **National Highways' Net Zero Highways (NZH) strategy**, including:

- Zero emissions from maintenance and construction by 2040.
- Mandatory carbon measurement and reporting by supply chain partners.
- Reduction of embodied carbon in materials, plant, and works activities.

6. Carbon Reduction Measures

MJ Church (Plant) Limited is implementing a structured programme of actions across operations, consistent with PAS 2080.

Area	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040			
Plant	Investigation, investment and business wide understanding analysis	Electric trials for plant	Upgrading of plant to new specification and fuel efficiency.	Investment in EV vans and Skip vehicles	Investigation, investment and business wide understanding analysis	Telematics Systems Investigation	Investment in EV vehicles with a target of 80% of senior leadership team implementation	Trials of alternative power sources, solar	Investigation, investment and business wide understanding analysis	EV Infrastructure installed	Agile Working	Investigation into carbon reduction and off setting	Further utilization of Golden Valley Nature reserve											
	Investigation, investment and business wide understanding analysis	Telematics Systems Investigation	Investment in EV vehicles with a target of 80% of senior leadership team implementation	Trials of alternative power sources, solar	Investigation, investment and business wide understanding analysis	EV Infrastructure installed	Agile Working	Investigation into carbon reduction and off setting	Further utilization of Golden Valley Nature reserve															
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Transport	Investigation, investment and business wide understanding analysis	Telematics Systems Investigation	Investment in EV vehicles with a target of 80% of senior leadership team implementation	Trials of alternative power sources, solar	Investigation, investment and business wide understanding analysis	EV Infrastructure installed	Agile Working	Investigation into carbon reduction and off setting	Further utilization of Golden Valley Nature reserve															
Site & Compounds	Investigation, investment and business wide understanding analysis	Telematics Systems Investigation	Investment in EV vehicles with a target of 80% of senior leadership team implementation	Trials of alternative power sources, solar	Investigation, investment and business wide understanding analysis	EV Infrastructure installed	Agile Working	Investigation into carbon reduction and off setting	Further utilization of Golden Valley Nature reserve															
Buildings & Depots	Investigation, investment and business wide understanding analysis	Telematics Systems Investigation	Investment in EV vehicles with a target of 80% of senior leadership team implementation	Trials of alternative power sources, solar	Investigation, investment and business wide understanding analysis	EV Infrastructure installed	Agile Working	Investigation into carbon reduction and off setting	Further utilization of Golden Valley Nature reserve															
Other	Investigation, investment and business wide understanding analysis	Telematics Systems Investigation	Investment in EV vehicles with a target of 80% of senior leadership team implementation	Trials of alternative power sources, solar	Investigation, investment and business wide understanding analysis	EV Infrastructure installed	Agile Working	Investigation into carbon reduction and off setting	Further utilization of Golden Valley Nature reserve															

Emissions reduction Pillars

Our pathway to net zero carbon has been broken down into four specific areas.

- **Review** - assess and improve processes, tools and systems for carbon emission data collection.
- **Reduce** - implement energy and carbon reduction and efficiency measures to reduce energy demand.
- **Renew** - identify and implement measures to increase generation and use of renewable energy.
- **Rebalance** - offset the remaining balance of carbon following reduce and renew measures.

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6.1 Measures Completed to Date

- Implementation of telematics across plant and HGV fleet.
- Adoption of Eco-Driving and anti-idling policies.
- Increased procurement of HVO fuels (where contractually permitted).
- LED lighting upgrades across depots and workshops.
- Initiation of supplier engagement on embodied carbon reporting.
- Procurement of MRF plant and improving Waste segregation to reduce landfill emissions.
- Further investment in electric vehicles, reducing our fleet reliability of diesel-based vehicles, subsequently reducing our Scope 3 emissions.
- Reduction in business travel, with pool-based travel and electric vehicle procurement.
- Research into alternative fuel sources, and investment in our fleet.
- Trials of alternative fuel powered excavators, ADT's and small plant, utilising electric and hydrogen.
- Trials based research on automated plant systems.
- Utilisation of Fleet CMD across all active projects and sites, identifying utilisation and efficiency opportunities.
- Research and investment within renewable energy sources within our building, facilities and projects, this is inclusive of solar based power, which although in its infancy, is in the trial phases.
- Investment in plant and fleet-based software to monitor the efficiency, idling and cultural behaviour of our operators and drivers.
- Review of property and associated infrastructure for maintenance and retrofits to ensure they are performing to their ultimate efficiency.
- Cultural campaigns to raise awareness amongst our staff and supply chain on the responsible use of energy and how this direct links to carbon emissions.
- PAS 2080 certification.

6.2 Planned Emissions Reduction Initiatives

Plant and Fleet Decarbonisation

- Transition from diesel to electric, hybrid, hydrogen-ready, or biofuel-compatible plant.
- Expansion of low- and zero-emission company car schemes.
- Routine optimisation of fleet routing and utilisation using telematics insights.

Energy and Built Environment

- PV solar installation on suitable depots and offices.
- Upgrade of all sites to 100% renewable electricity tariffs.
- Deployment of energy monitoring systems across fixed assets.

Materials and Construction Activities

- Increased use of lower-carbon materials (e.g., recycled aggregates, low-carbon asphalt, cement alternatives).
- Adoption of PAS 2080 whole-life carbon assessments in project planning and estimating.
- Collaboration with clients and suppliers to drive down embodied carbon.

Operational Efficiency and Behaviour Change

- Carbon literacy and PAS 2080 training for staff.
- Carbon performance KPIs integrated into project delivery.
- Annual supplier engagement workshops focused on carbon reduction.

7. Governance and Responsibility

- **Board Responsibility:** Oversight of Net Zero strategy and carbon reduction governance.
- **Sustainability Lead:** Responsible for CRP updates, emissions reporting, and delivery of the carbon reduction programme.
- **Project Managers and Site Managers:** Accountable for site-level PAS 2080 compliance and carbon reporting.
- **Supply Chain Partners:** Expected to provide carbon data, reduction plans, and material sustainability declarations.

Governance processes include annual reviews, internal audits, and alignment with National Highways' carbon reporting frameworks.

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8. Alignment with PAS 2080

MJ Church (Plant) Limited's approach follows the PAS 2080 framework by:

- Managing carbon at the organisational and asset level
- Setting clear reduction trajectories compatible with infrastructure delivery requirements
- Engaging the value chain to identify and realise low-carbon opportunities
- Prioritising early-stage carbon forecasting and optioneering
- Reporting transparently and consistently across all major projects

9. Commitment Statement

MJ Church (Plant) Limited is fully committed to meeting the requirements of PPN 06/21 and supporting the UK Government's Net Zero ambitions. We recognise our role within the National Highways supply chain and will continue to prioritise carbon reduction, innovation, and collaboration to deliver greener, more efficient construction and maintenance activities.

This Carbon Reduction Plan will be **reviewed annually**, with progress published in line with government procurement requirements.

Signature:



Ben Staff
CEO

Date: 1st September 2025

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4.7 Where we are now and what does our Road Map Look Like

Area	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	
Plant	Investigation, investment and business wide understanding/ analysis	Electric trials for plant	Upgrading of plant to new specification and fuel efficiency	Upgrading telematics to determine inefficiency within emission	Semi-autonomous machine trials	PAS 2080 Certification Scoping	PAS 2080 Certification	EV Powered trials for plant	Implement asset life cycle purge	25% renewable plant source	Installation of company wide monitoring system, centralised within one centralised reporting database.	50% renewable plant source	Further internal training on carbon reduction techniques and methods	PAS 2080 Certification		80% renewable plant source	Investigation into changes and updates in technology		95% renewable plant source	20 year carbon plan review	Full renewable fuelled Plant (Electric/ Hydrogen)		
Transport	Investigation, investment and business wide understanding/ analysis	Telematics Systems investigation	Investment in EV vehicles, with a target of 60% of senior leadership team implementation		Trial for EV vans and Skip vehicles	PAS 2080 Certification Scoping	PAS 2080 Certification		No pure diesel or petrol cars	10 year carbon plan review	Installation of company wide monitoring system, centralised within one centralised reporting database.	60% of company vans electric/ hybrid	Further internal training on carbon reduction techniques and methods	PAS 2080 Certification		Hydrogen/ alternative power trials 80% of company vans electric/ hybrid	Investigation into changes and updates in technology			100% of company vans electric/ Hybrid 20 year carbon plan review	Full renewable fuelled HGV's (Electric/ Hydrogen)		
Site & Compounds	Investigation, investment and business wide understanding/ analysis				Trials of alternative power sources, solar	PAS 2080 Certification Scoping	PAS 2080 Certification			Implement asset life cycle purge	Installation of company wide monitoring system, centralised within one centralised reporting database.	Mobile solar power procurement	Further internal training on carbon reduction techniques and methods	PAS 2080 Certification	EV infrastructure installed on all sites and compounds	All welfare units renewable powered, with greywater recovery and rainwater capturing	Investigation into changes and updates in technology			20 year carbon plan review	Hydrogen fuel cells regeneration		
Buildings & Depots	Investigation, investment and business wide understanding/ analysis	EV Infrastructure installed	Agile Working		Consolidation and sharing of office space, prompting hot desking	PAS 2080 Certification Scoping	PAS 2080 Certification	Smart technology installed in which to regulate and monitor energy usage	Introduction to Bio Gas	On site renewables trials	Installation of company wide monitoring system, centralised within one centralised reporting database.		Further internal training on carbon reduction techniques and methods	PAS 2080 Certification		Further heat pump research and possible switch over	Investigation into changes and updates in technology	Onsite renewables		20 year carbon plan review	All buildings powered by renewable energy. Directly or through a third party guaranteeing renewable sourced electricity		
Other		Investigation into carbon reduction of Golden Valley and off setting	Further utilization of Golden Valley Nature reserve				PAS 2080 Certification							PAS 2080 Certification									

Our road map sets out our strategic plan to achieve net zero across our operational activities, this ensures we have a clear and focussed plan, taking into account all emission factors

Monitoring progression and respective actions

Location	Evidence/ Observation	Clause Reference	Classification	Action	Immediate Cause	Assigned to	Corrective Action Undertaken	Closed out	Status
Transport	Telematics Systems investigation	N/A	Carbon Reduction timeline	Telematics Systems investigation	N/A	Tom Church Tristan Crute	Use of fleet CMD and fleet eye	12/1/2021	Closed
Transport	Investment in EV vehicles, with a target of 60% of senior leadership team implementation	N/A	Carbon Reduction timeline	Investment in EV vehicles, with a target of 60% of senior leadership team implementation	N/A	Tom Church Tristan Crute	Target reduced to 40% and met, increased numbers continue to come through the gates	1/12/2022	Closed
Transport	Trial for EV vans and Skip vehicles Appointment of Environmental Manager Deliver internal training to our employees	N/A	Carbon Reduction timeline	Trial for EV vans and Skip vehicles Appointment of Environmental Manager Deliver internal training to our employees	N/A	Tom Church Tristan Crute	Trials conducted throughout the industry, light vehicles and refuse the technology is there, we are currently struggling to see the benefits and suitability of Plant and HGV based systems	9/14/2023	Closed
Transport	PAS 2080 Certification Scoping Roles & Responsibilities Promotion of shared transport schemes	N/A	Carbon Reduction timeline	PAS 2080 Certification Scoping Roles & Responsibilities Promotion of shared transport schemes	N/A	Ben Hodsoll Graeme Skelton	Scoping conducted CMS Developed Workpage held R&R Assigned	1/12/2024	Closed
Transport	PAS 2080 Certification	N/A	Carbon Reduction timeline	PAS 2080 Certification	N/A	Ben Hodsoll Graeme Skelton	Certification achieved	1/12/2025	Closed
Site & Compounds	Investigation, investment and business wide understanding/ analysis	N/A	Carbon Reduction timeline	Investigation, investment and business wide understanding/ analysis	N/A	Luke Holyoak Claire Coetzee	our projects, this concluded on the utilisation of eco friendly welfare facilities and generators. Workshop held with industry.	1/12/2020	Closed
Site & Compounds	Trials of alternative power sources, solar Appointment of Environmental Manager	N/A	Carbon Reduction timeline	Trials of alternative power sources, solar Appointment of Environmental Manager	N/A	Luke Holyoak Claire Coetzee	Great exercises conducted on solar and power pack systems which are now being used on site	1/12/2023	Closed
Site & Compounds	PAS 2080 Certification Scoping Setting carbon management targets within tender scoring Roles & Responsibilities	N/A	Carbon Reduction timeline	PAS 2080 Certification Scoping Setting carbon management targets within tender scoring Roles & Responsibilities	N/A	Ben Hodsoll Graeme Skelton	Scoping conducted CMS Developed Workpage held R&R Assigned	1/12/2024	Closed

Our action register ensures we extract our strategic plans, monitor their progress and place responsibility and accountability to their advancement/ completion.

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