



2023 Corporate Sustainability Report



Explore the report at: www.pgecorp.com/sustainability

Contents

Messages from Our Leadership

- 2 Message from the CEO
- 3 Message from the Chief Sustainability Officer

4 About PG&E

7 Embedding the Triple Bottom Line in Our Strategy

8 Materiality

10 Key Sustainability Indicators

14 Performance

48 People

71 Planet

134 California's Prosperity

ESG Indexes

- 159 Global Reporting Initiative
- 169 Sustainability Accounting Standards Board Index
- 174 EEI/AGA Index
- 175 Sustainable Development Goals Index
- 178 Task Force on Climate-Related Financial Disclosures
- 179 Corporate Sustainability Report Data Index

About the Report

Our Corporate Sustainability Report highlights the strategies and partnerships we're pursuing to meet our commitment to deliver for our hometowns, serve the planet, and lead with love. Using statistics and stories, this comprehensive report outlines how we are working every day to provide safe, reliable, affordable, and clean energy for our customers, while also helping to build a better future for California.

The report is organized around the "triple bottom line" framework with sections covering People, the Planet, California's Prosperity, and our Performance. It features many highlights, including our goal to help heal the planet by 2050 as part of our commitment to enable California's transition to a decarbonized and more climate-resilient economy.

The report aligns with the voluntary reporting frameworks of the Global Reporting Initiative, Sustainability Accounting Standards Board, Task Force on Climate-Related Financial Disclosures, and the United Nations Sustainable Development Goals. Throughout this report, when we refer to "PG&E," we are discussing all of PG&E Corporation and its subsidiaries, including Pacific Gas and Electric Company.

Message from the CEO

To Our Stakeholders:

We are proud of the progress PG&E has made over the past year as we work to deliver on our triple bottom line approach of serving people, the planet, and California's prosperity.

This progress begins with safety. Our energy system is safer today than ever, and we continue to make it safer every day.

Through our proven layers of protection, we saw a 99% reduction in total acres burned in High Fire-Threat Districts in 2022, compared to the 2018-2020 average. We also operate one of the nation's safest natural gas systems—ranking third in safety performance in 2022—and one of the top-performing nuclear power plants, Diablo Canyon.

As we pursue our safety goals for the people we serve, we continue to innovate in service to our planet.

The electricity we deliver to our customers is among the cleanest in the country—95% greenhouse-gas free. We've added more battery storage to help harness our clean power supply. We're laying the foundation for a future of clean electric transportation. Overall, we're reimagining our gas and electric delivery system as we work toward our longer-term climate goals.

We also know that prosperity for our customers and hometowns means ensuring their gas and electricity bills are affordable. Through our disciplined and accountable way of doing business—called our Lean Operating System—we are finding ways to drive down costs as we invest in California's infrastructure.

Trust will be earned through our continued progress in serving people, the planet, and California's prosperity in equal measure. We honor our responsibility to build a sustainable and resilient energy system that our customers can count on.

Sincerely,
Patricia K. Poppe
Chief Executive Officer
PG&E Corporation



Patti Poppe (second from the right), PG&E coworkers, Tesla Motors Inc.™ employees, and community leaders attended the ribbon cutting for PG&E's Elkhorn Battery System at Moss Landing, one of the largest utility-owned, lithium-ion battery storage systems in the world.

Message from the Chief Sustainability Officer

To Our Stakeholders:

Today, we're at an inflection point for sustainability in California and across the world, given the urgency of the climate challenge. We share the ambitions of our state and a growing number of stakeholders determined to turn back the clock on climate change and begin to heal our planet.

Last year, as part of our climate journey, we declared a set of longer-term climate commitments, including a goal to go beyond net zero and become “climate positive” by 2050—aiming to reduce and remove more greenhouse gases from the environment than we emit.

We are hard at work toward these goals, with many examples provided throughout this report.

As we pursue our commitments, we know that we cannot do it alone—and we are committed to making progress together. We're also striving to lead with love as we transition our energy system.

For us, that means partnering with our customers, local leaders, suppliers, community organizations, and others to co-create this future together. It means leading an equitable and viable energy transition that leaves no one behind. And it means providing energy service that is affordable to all.

We are taking meaningful steps toward these objectives.

Last year, we updated our Environmental and Social Justice Policy and provided training for our officer team to help build the competencies to reduce our impact and improve our collaboration with underrepresented communities.

We spent over \$4.7 billion with diverse suppliers, representing 39.3% of our total procurement.

In every part of our business, we're looking for cost savings by eliminating waste in our processes, without ever compromising safety. These actions create opportunity for us to invest faster in the projects necessary to deliver the clean, reliable, and affordable energy system envisioned in our climate goals.

And we're deepening our connections at the local level, including new partnerships like our Racial Equity Pilot Program, designed to help address the racial wealth gap disproportionately impacting members of the Oakland community.

It's an exciting and consequential moment in California's energy journey. PG&E is privileged to help prepare our state for a bright and resilient future, and we look forward to continued collaboration with you on this important work.

Sincerely,

Carla Peterman

Executive Vice President, Corporate Affairs and Chief Sustainability Officer
PG&E Corporation



Carla Peterman (on the far right) joined the *Powering a Clean Energy Future* event at Stanford University to discuss how PG&E and other companies can lead the way on the clean energy transition.

About PG&E

Pacific Gas and Electric Company (PG&E), a subsidiary of PG&E Corporation, is a combined natural gas and electric utility serving more than 16 million people across 70,000 square miles in Northern and Central California.

Map of PG&E's Service Area



Coworkers¹

- **26,000** employees

Customer Accounts²

- **5.6** million electric distribution
- **4.6** million natural gas distribution

System

- **7,832 MW** of owned hydroelectric, nuclear, natural gas, battery energy storage, and solar generation
- **One of the nation's largest investor-owned hydroelectric systems**
- **108,000 circuit miles** of electric distribution lines and **18,000 circuit miles** of electric transmission lines
- **~44,000 miles** of gas distribution pipelines, **6,300 miles** of backbone and local gas transmission pipelines, and various gas storage facilities
- **3.3+ GW** of energy storage nameplate capacity under contract

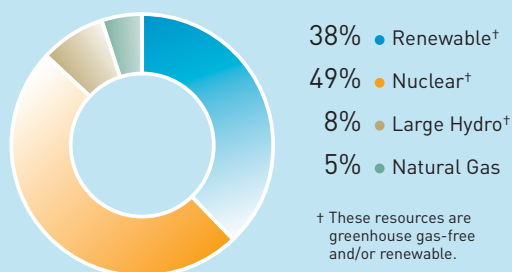
System Investments

- **\$9.6 billion** in capital investments in 2022 to enhance and upgrade PG&E's infrastructure for safety, reliability, decarbonization, and wildfire mitigation

1. Includes 16,000 employees covered by collective bargaining agreements with three labor unions: International Brotherhood of Electrical Workers (IBEW), Local 1245, AFL-CIO; Engineers and Scientists of California/International Federation of Professional and Technical Engineers (ESCI/IFPTE), Local 20, AFL-CIO and CLC; and Service Employees International Union (SEIU), Local 24/7.
2. Electric and gas customers are counted separately as customers are given unique service agreement numbers individually for gas and electric service.

2022 Electric Power Mix*

PG&E delivers some of the nation's cleanest electricity to customers, with 95% from greenhouse gas-free resources in 2022.



* Refers to estimated total net deliveries of electricity to customers; data is sourced from PG&E's Power Source Disclosure Report with the California Energy Commission.

1 in 7

About 1 in 7 of all electric vehicles (EVs) in the U.S. is in PG&E's service area.



1 in 5

About 1 in 5 of all solar rooftops in the U.S. is in PG&E's service area.



Financial Performance

Unless otherwise indicated, the financial information below is derived from PG&E Corporation's Consolidated Financial Statements as of December 31, 2021, and December 31, 2022, which include the accounts of PG&E Corporation, the Utility, and other wholly owned and controlled subsidiaries.

Financial Highlights¹

(unaudited, in millions, except share and per share amounts)

	2021	2022
Operating Revenues	\$20,642	\$21,680
Income (Loss) Available for Common Shareholders		
Non-GAAP core earnings ²	2,138	2,343
Non-core items ³	(2,240)	(543)
Reported Consolidated Income (Loss) Available for Common Shareholders	(102)	1,800
Earnings (Loss) Per Common Share, Diluted		
Non-GAAP core earnings ²	1.08	1.10
Non-core items ³	(1.12)	(0.26)
Reported Consolidated Net Earnings (Loss) Per Common Share, Diluted	(0.05)	0.84
Dividends Declared Per Common Share⁴	0	0
Total Assets at December 31	\$103,327	\$118,644
Number of Common Shares Outstanding at December 31	1,985,400,540	1,987,784,948⁵

1. This is combined information of PG&E Corporation and the Utility. PG&E Corporation's Consolidated Financial Statements include the accounts of PG&E Corporation, the Utility, and subsidiaries, and have been prepared in accordance with Generally Accepted Accounting Principles (GAAP). All amounts presented in the table above are tax-adjusted at PG&E Corporation's statutory tax rate of 27.98%, except for certain costs, that are not tax deductible. Amounts may not sum due to rounding.

2. "Non-GAAP core earnings" is a non-GAAP financial measure and is calculated as income available for common shareholders less items non-core items. "Non-GAAP core earnings per share", also referred to as "non-GAAP core EPS", is a non-GAAP financial measure and is calculated as non-GAAP core earnings divided by common shares outstanding (taken on a basic basis in the event of a GAAP loss and a diluted basis in the event of a GAAP gain). PG&E Corporation and the Utility use non-GAAP core earnings and non-GAAP core EPS to understand and compare operating results across reporting periods for various purposes including internal budgeting and forecasting, short- and long-term operating planning, and employee incentive compensation. PG&E Corporation and the Utility believe that non-GAAP core earnings and non-GAAP core EPS provide additional insight into the underlying trends of the business, allowing for a better comparison against historical results and expectations for future performance. Non-GAAP core earnings and non-GAAP core EPS are not substitutes or alternatives for GAAP measures such as consolidated income available for common shareholders and may not be comparable to similarly titled measures used by other companies.

3. "Non-core Items" include items that management does not consider representative of ongoing earnings and affect comparability of financial results between periods, consisting of the items listed in the table below. Amounts may not sum due to rounding.

Year Ended December 31

	Earnings		Earnings per Common Share (Diluted)	
(in millions, except per share amounts)	2021	2022	2021	2022
PG&E Corporation's Earnings (Loss) on a GAAP basis	\$(102)	\$1,800	\$(0.05)	\$0.84
Non-core items (pre-tax):				
Amortization of wildfire fund contribution	517	477	0.26	0.22
Wildfire-related costs, net of insurance	202	334	0.10	0.16
Investigation remedies	171	120	0.09	0.06
Bankruptcy and legal costs	198	301	0.10	0.14
Strategic repositioning costs	-	90	-	0.04
Fire Victim Trust tax benefit net of securitization	-	627	-	0.29
Prior period net regulatory recoveries	257	(16)	0.13	(0.01)
PG&E Corporation's Non-GAAP Core Earnings (pre-tax)	\$1,243	\$3,733	\$0.63	\$1.75
Tax impact	895	(1,390)	0.45	(0.65)
PG&E Corporation's Non-GAAP Core Earnings (post-tax)	\$2,138	\$2,343	\$1.08	\$1.10

For information about Non-core items in 2021 and 2022, see PG&E Corporation 2022 Fourth Quarter and Full Year Earnings presentation for the years ended December 31, 2021 and December 31, 2022, respectively.

4. The quarterly cash dividend on PG&E Corporation's common stock was suspended beginning with the fourth quarter of 2017.

5. Excludes 247,743,590 shares of common stock held by PG&E ShareCo LLC, a wholly-owned subsidiary of PG&E Corporation, and 230,000,000 shares of common stock held by the Utility.

For more information, see PG&E Corporation's and Pacific Gas and Electric Company's 2022 Joint Annual Report to Shareholders or Annual Report on Form 10-K for year ended December 31, 2022, which have been filed with the U.S. Securities and Exchange Commission (SEC).

Sustainable Finance Framework

Our Sustainable Finance Framework outlines how PG&E and its subsidiaries may issue green and sustainable bonds, loans, or other sustainable finance instruments in line with market standards. The framework defines green and social investment areas aligned with PG&E's focus on the triple bottom line, which includes addressing the escalating challenges of climate change while keeping customer bills affordable.



Forward-Looking Statements

This Corporate Sustainability Report contains forward-looking statements that do not relate strictly to historical or current facts. These forward-looking statements relate to, among other matters, our plans, goals, and strategies with respect to sustainability and environmental matters, improvements in operating procedures and technology, and potential benefits to us therefrom; our efforts to enable our customers to achieve their own ESG goals; demand for our services; competition; government regulation; and other matters. These statements are also identified by words such as "assume," "expect," "intend," "forecast," "plan," "project," "believe," "estimate," "predict," "anticipate," "may," "should," "would," "could," "potential" and similar expressions, or by discussions of our guidance, priorities, strategy, goals, vision, mission, opportunities, projections, intentions or expectations.

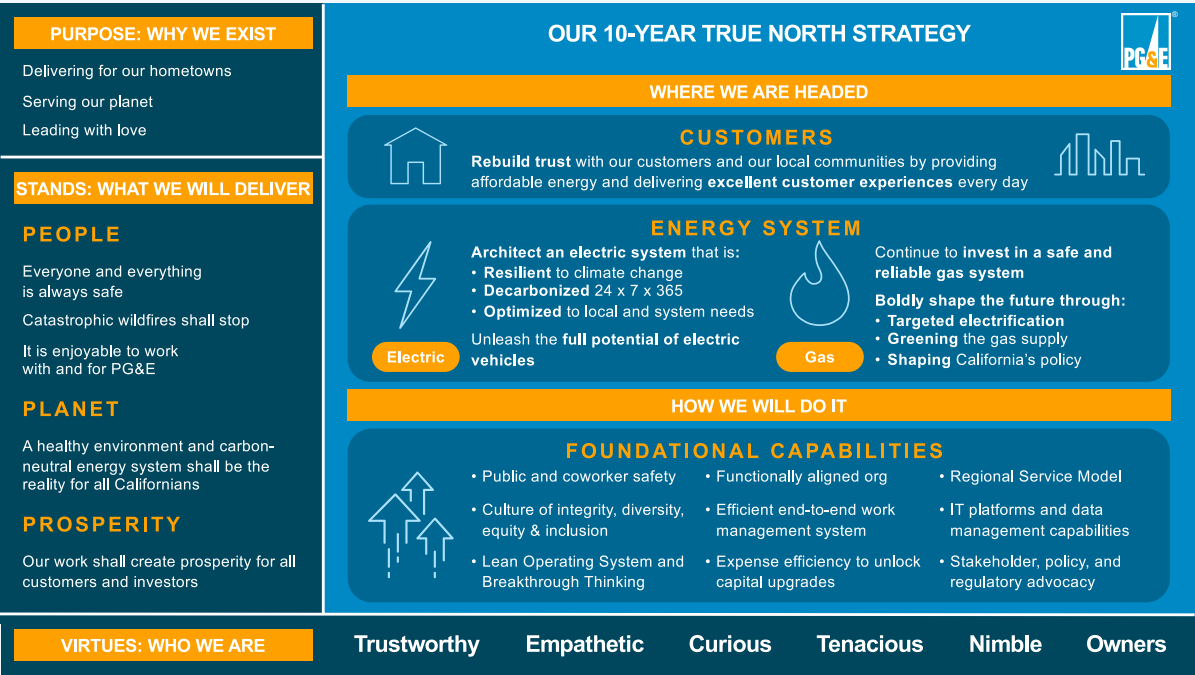
These statements are based on current expectations and assumptions, which management believes are reasonable, and on information currently available to management, but are necessarily subject to various risks and uncertainties. In addition to the risk that these assumptions prove to be inaccurate, factors that could cause actual results to differ materially from those contemplated by the forward-looking statements include factors disclosed in PG&E Corporation's and the Utility's annual report on Form 10-K for the year ended December 31, 2022, their joint quarterly report on Form 10-Q for the period ended March 31, 2023, and their subsequent reports filed with the Securities and Exchange Commission (SEC), which are available on PG&E Corporation's website at www.pgecorp.com and on the SEC website at www.sec.gov. Unless otherwise indicated, the statements in this report are made as of July 26, 2023. Some of the factors that could cause future climate and clean energy results to differ materially from those expressed or implied by the forward-looking statements, or from historical results, include, but are not limited to: whether we are able to dedicate adequate resources to implement our climate strategy; uncertainty regarding maturing technologies; uncertainty whether the necessary infrastructure updates will be made to enable a diverse supply of cleaner fuels; the degree to which customers adopt technologies and behaviors that reduce greenhouse gas emissions; regulatory and financing innovations needed to reduce unnecessary new costs for the energy system, and recovering necessary costs in a sustainable, equitable, and affordable manner; the degree to which we attract, retain, and develop a workforce with the required skill profiles to meet our climate strategy; and the impact of changes to federal, state, and local climate policies. Additionally, some of the factors that could cause our undergrounding results to differ materially from those expressed or implied by the forward-looking statements, or from historical results, include, but are not limited to: the timing and outcome of CPUC proceedings, including ratemaking and cost recovery. Other unpredictable or unknown factors not discussed in this report could also have material adverse effects on forward-looking statements. PG&E Corporation and the Utility undertake no obligation to publicly update or revise any forward-looking statements, whether due to new information, future events or otherwise, except to the extent required by law.

Embedding the Triple Bottom Line in Our Strategy

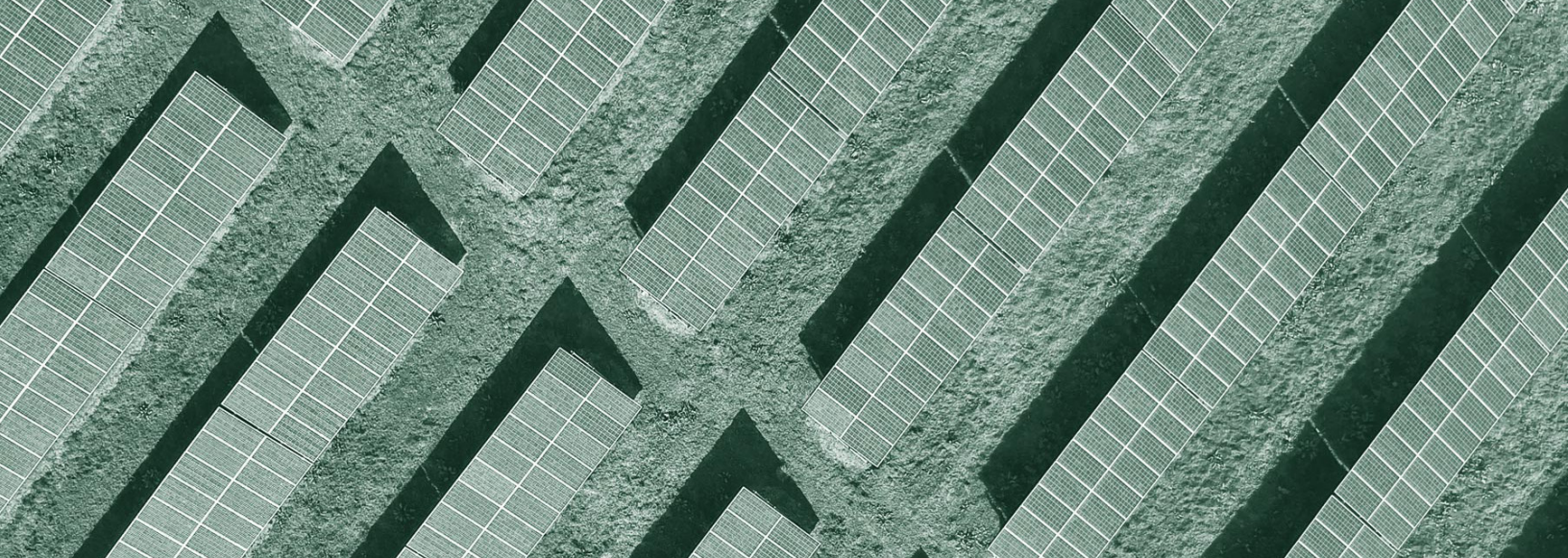
At PG&E, we approach our work through the triple bottom line framework of serving people, the planet, and California’s prosperity—underpinned by a relentless pursuit of performance.

Our purpose as an energy provider is to deliver for our hometowns, serve our planet, and lead with love. This means making it right and making it safe. It means helping drive clean energy technologies, while also ensuring that their benefits are accessible to all. And it means helping communities build resilience against climate change today—as well as helping to heal the planet—in ways that leave no one behind.

Reflecting our focus on the triple bottom line, PG&E’s True North Strategy represents our 10-year enterprise strategy that sets a clear strategic vision toward achieving our purpose and our climate commitments.



Our customers are at the heart of everything we do and why we strive to provide safe, reliable, affordable, and clean energy to our hometowns every day. They also look to us for grid innovation, clean energy technology, and support in achieving our shared climate goals.



Materiality

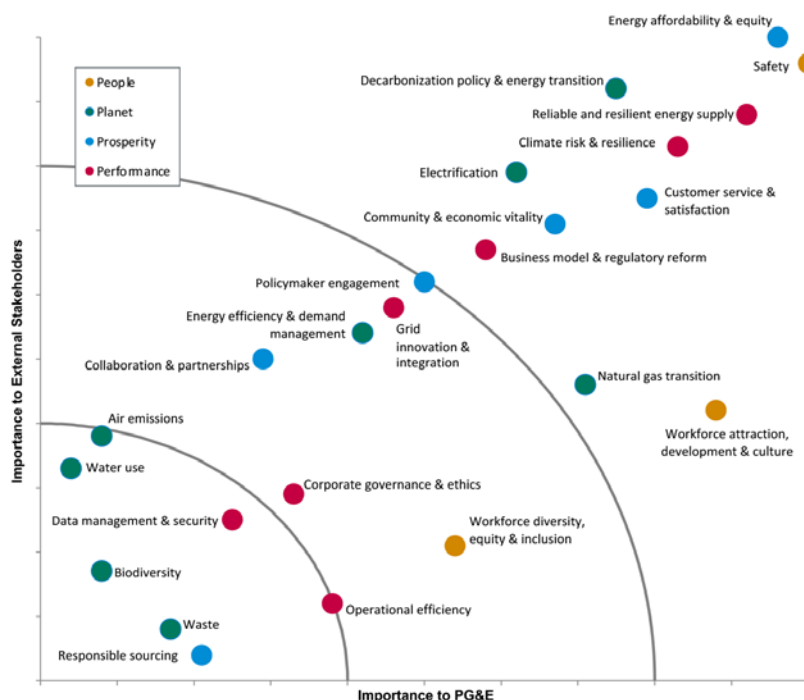
PG&E completed its third materiality assessment¹ on corporate sustainability in 2022—a strategic project to help us identify issues that are important for the long-term sustainability of our business and delivering on our commitment to the triple bottom line.

Led by a third-party organization, the materiality assessment integrated input from both members of our team and external stakeholders to capture perspectives and expectations, along with significant business and industry research and analysis to incorporate factors related to PG&E's operating environment.

1. This is different from financial materiality, as defined by the U.S. Securities and Exchange Commission. The inclusion of information in our Corporate Sustainability Report is not a characterization regarding financial materiality.

PG&E's Materiality Matrix

PG&E's materiality assessment identified 24 issues, grouped to align with the triple bottom line framework. Every issue on the matrix is material to PG&E's long-term sustainability, with the most material issues in the upper right-hand corner.



Defining a Material Issue

In this context, a “material” corporate sustainability issue is one that has the potential to impact the long-term viability of PG&E, is of concern to key stakeholders, and where PG&E can have an impact. This is different but related to financial materiality, which is a threshold for influencing the economic decisions of investors. Material corporate sustainability issues typically reflect a wider range of stakeholders and are not limited to issues that could have a significant financial impact on the company.

What We Learned

Our materiality assessment provided important, actionable insights into our stakeholders’ priorities and our own business risks and opportunities. In the months since its development, the assessment and supporting analysis have been used in numerous ways, including informing our True North Strategy, risk horizon scanning, stakeholder engagement, and corporate sustainability strategy and reporting. We expect the results to continue to inform our goals and strategies in the coming years.

Key insights of the materiality assessment included:

- **Safety remains a top issue; however, several issues have grown in importance** since our last assessment in 2017—notably energy affordability and equity, reliable and resilient energy supply, and climate risk and resilience.
- **Workforce diversity, equity, and inclusion** emerged as a stand-alone issue given the increased attention it has warranted, both within and outside of PG&E.
- **Environmental stewardship issues**—biodiversity, water use, and air emissions—were added as new and emerging issues, consistent with a growing recognition of the need to protect the natural environment.
- **Operational efficiency** was added in recognition of the need to strengthen our enterprise systems and processes to improve customer service and satisfaction.

Key Sustainability Indicators

This section shares our progress across key indicators for which we set annual targets. By reporting on a broad set of measures across the triple bottom line, we strive to show where we performed well, as well as where we have opportunities to strengthen our performance.

Performance

Target met or exceeded ✓ Target not met ✗

Metric	2022 Target	2022 Result	Meets Target	2023 Target
Wildfire Safety				
Undergrounding (line miles)	175 ¹	180	✓	350
Wildfire Risk Reduction ²	1	1	✓	1
Reportable Fire Ignitions ³	103	89	✓	86
Quality Pass Rate ⁴	1.000	0.850	✗	1.000
Electric Corrective Maintenance ⁵	N/A	N/A	N/A	48%
Gas Operations				
Gas Dig-Ins (dig-ins per 1,000 Underground Service Alert tickets)	0.98	0.94	✓	1.05
Electric Operations				
System Average Interruption Frequency Index (SAIFI) ⁶	1.801	1.653	✓	1.604
System Average Interruption Duration Index (SAIDI) ⁷	376.7	261.0	✓	253.2
CEMI-5 and CEMI-10 (index of customers experiencing five or more and ten or more sustained interruptions) ⁸	1.00	0.85	✗	1.00
Ethics and Compliance				
Employees Completing Annual Compliance and Ethics Training ⁹	99.8%	99.8%	✓	100%
Employees Completing Annual Code of Conduct Training ⁹	99.8%	99.9%	✓	100%
Agency Inspections Without a Written Enforcement Action	95%	95%	✓	95%

1. The 175 circuit mile target included undergrounding taking place as part of system hardening, Butte County Rebuild efforts, and any other undergrounding work performed in High Fire Threat District (HFTD) or fire rebuild areas.
2. This measures the count of fire ignitions that result in fires equal to or greater than 100 acres in PG&E's HFTD and reportable to the CPUC per Decision 14-02-015. A reportable fire incident per Decision 14-02-015 is a fire event that meets the following criteria: (i) ignition is associated with PG&E powerlines (both transmission and distribution); (ii) something other than PG&E facilities burned, and (iii) the resulting fire travelled more than one meter from the ignition point. Reportable Fire Ignitions that result in fires ≥100 acres in PG&E's HFTD for which PG&E submits an Electric Incidents report are counted. If the ignition source for a fire ≥100 acres in PG&E's HFTD is unknown or disputed, it will also be counted if PG&E records a financial reserve associated with that ignition.
3. This measures fire incidents that meet the following criteria: (i) occurs within a PG&E HFTD; (ii) and is reportable to the CPUC per Decision 14-02-015. A reportable fire incident includes all the following: 1) ignition is associated with PG&E overhead distribution circuits, 2) something other than PG&E facilities burned, and 3) the resulting fire travelled more than one meter from the ignition point.
4. This is an equally weighted index that tracks the quality of four core wildfire mitigation programs as measured by: (i) percentage of distribution inspections performed in HFTD that pass the field quality verification reviews and contain no critical defects; (ii) percentage of transmission inspections performed in HFTD that pass the field quality verification reviews and contain no critical defects; (iii) percentage of the completed enhanced vegetation management work that passes the quality verification field reviews; (iv) percentage of the completed routine vegetation management in HFTD work that passes the quality verification reviews.
5. This new metric measures the percentage of risk reduced from addressing electric distribution wildfire-related tags open prior to 2023 in HFTD and High Fire Risk Areas (HFRA).
6. System Average Interruption Frequency Index (SAIFI) is the number of times the average customer experiences a sustained outage each year.
7. System Average Interruption Duration Index (SAIDI) is the amount of time the average customer experiences a sustained outage (being without power for more than five minutes) each year.
8. CEMI-5 is the total number of customers experiencing 5 or more sustained interruptions (planned or unplanned) and CEMI-10 is the total number of customers experiencing 10 or more sustained interruptions (planned or unplanned); both metrics are reported as a year-to-date measure for a rolling 12-month period. This metric is calculated as a composite index with total CEMI-5 and CEMI-10 scores broken out by performance within and outside EPSS zones. Total CEMI-5 and CEMI-10 scores contribute 60% and 40%, respectively, to the index. A higher composite index reflects better performance.
9. For a variety of reasons, a statistically small number of PG&E's workforce is unable to attend a training session in any given calendar year.

People

Target met or exceeded ✓ Target not met ✗

Metric	2022 Target	2022 Result	Meets Target	2023 Target
Public Safety				
Gas Emergency Response ¹	20.5	19.9	✓	19.9
Electric Emergency Response ²	97.3%	98.2%	✓	98.3%
Diablo Canyon Power Plant Reliability and Safety ³	94.0	96.0	✓	97.5
Safe Dam Operating Capacity ⁴	96.2%	96.9%	✓	97.0%
Employee Safety				
Days Away, Restricted or Transferred (DART) Rate ⁵	0.86	0.67	✓	0.64
Preventable Motor Vehicle Incident Rate ⁶	2.61	2.58	✓	2.53
Employee Engagement				
Employee Giving Campaign Pledges/Donations (participation rate)	35%	34.7%	✗	30%
Joy at Work survey ⁷	N/A	60%	N/A	70%

1. This metric represents average response time in minutes to an immediate response gas emergency order.

2. This figure reflects the percentage of time that PG&E personnel are on site within 60 minutes after receiving a 911 call of a potential PG&E electric hazard.

3. This metric refers to the sum of 10 performance indicators developed by the nuclear power industry for nuclear power generation.

4. This measures the operating capability of mechanical equipment used as main control to reduce the enterprise risk of a large uncontrolled water release.

5. This measures how frequently DART cases occur for every 200,000 hours worked, or for approximately every 100 employees.

6. This measures how frequently drivers have an incident that could have been reasonably avoided per 1 million miles driven.

7. The Joy at Work survey was administered to PG&E coworkers in the Fall of 2022. The survey includes the Joy Index, which is comprised of four questions: enjoying working for PG&E, feeling known at PG&E, feeling loved at PG&E, and feeling proud to work for PG&E. The 2022 survey established the baseline for the Joy Index, so no target was established for 2022.

Metric	2022 Target	2022 Result	Meets Target	2023 Target
Clean Energy				
Renewables Portfolio Standard¹	38.5%	38.5%	✓	41.3%
Enabling Customers²				
Electricity Saved (GWh)	1,553	1,782	✓	1,613
Natural Gas Saved (million therms)	30	43.3	✓	34
Generation Capacity Avoided (MW)	267	295.2	✓	293
Vehicle Electrification				
Clean Energy Transportation (sites constructed)	66	25 ³	✗	47
Reducing Our Carbon Footprint				
Scope 1 & 2 Emission Reduction⁴ (percentage reduction from 2015 baseline)	N/A	39%	N/A	24%
Scope 3 Emission Reduction⁴ (percentage reduction from 2015 baseline)	N/A	20%	N/A	15%
Million Ton Challenge⁵ (avoided metric tons CO ₂)	200,000	458,701	✓	N/A
Environmental Stewardship				
Land Conservation Commitment⁶ (number of transactions closed)	14	13	✗	15

1. Eligible renewable resources include geothermal facilities, hydroelectric facilities with a capacity rating of 30 MW or less, biomass and biogas, selected municipal solid waste facilities, photovoltaic, solar thermal, wind facilities, ocean thermal, tidal current, and wave energy generation technologies. Data is sourced from PG&E's Power Source Disclosure Report for the Base Plan product (bundled customers) and reflects retired unbundled RECs applied towards retail sales for RPS compliance. PG&E's actual RPS percentage will be determined as part of PG&E's 2023 RPS Compliance Report to the CPUC to be submitted in August 2023.

2. Savings are calculated on a net basis, which excludes savings that would have been achieved in the absence of energy efficiency programs. All data is as filed with the CPUC in Pacific Gas and Electric Company's Energy Efficiency Program Portfolio Reports and available on the CPUC's CEDARS website: <https://cedars.sound-data.com/upload/confirmed-dashboard/PGE/2022>. Annual energy savings shown above include savings from codes and standards programs and savings from Regional Energy Network or Community Choice Aggregator programs in PG&E's service area, which represented approximately 1% or less of total annual savings.

3. Fewer than planned sites were constructed in 2022 due to supply chain delays that significantly extended the time to acquire materials and delays in site hosts completing required activities.

4. In 2022, PG&E set a voluntary goal to reduce Scope 1 and 2 emissions by 50% and Scope 3 emissions by 25%, relative to a 2015 baseline. The first year with reduction goals (relative to 2015) is 2023.

5. In 2022, PG&E concluded the Million Ton Challenge, a voluntary goal to avoid one million tons of cumulative greenhouse emissions from 2018 through 2022, compared to a 2016 baseline.

6. This measures the number of transactions completed as part of our Land Conservation Commitment, through which PG&E is permanently protecting more than 140,000 acres through the donations of fee title and/or conservation easements on watershed lands to public agencies and qualified conservation organizations. We fell short of the target primarily due to unanticipated delays in administrative and regulatory-related items. The program is on track to complete transaction implementation by the end of 2023.

California's Prosperity

Target met or exceeded ✓ Target not met ✗

Metric	2022 Target	2022 Result	Meets Target	2023 Target
Customer Satisfaction				
Customer Satisfaction Score¹	74.2	71.9	✗	75.3
Energy Affordability				
Energy Savings Assistance Program (number of homes weatherized)	59,340	67,567	✓	60,437
California Alternative Rates for Energy (number of eligible customers enrolled)	1,402,000	1,470,000	✓	1,374,000 ²
Career Pathways				
Training Effectiveness³	4.61	4.65	✓	4.57
PowerPathway™ graduates hired into PG&E jobs (percentage)	85%	94%	✓	90%
Supply Chain Responsibility				
Supplier Emissions Reporting (greenhouse gas emissions data and reduction goals) ⁴	45%	58%	✓	50%
Spending on Certified Diverse Suppliers (percentage of overall purchasing expenditures)	38.0%	39.3%	✓	39.0%

1. This score measures the overall satisfaction of customers with the products and services offered by PG&E, as measured through a customer survey.

2. CARE is currently over-enrolled due to COVID-19 customer protections. Our 2023 target is to have 100% enrollment.

3. This figure measures the effectiveness of PG&E's internal training program on a five-point scale through employee surveys on predictive data from employees on their ability to use training on the job.

4. This represents the percentage of targeted suppliers that responded to the assessment and provided greenhouse gas emissions data and reduction goals.



Performance

Our commitment to the triple bottom line is underpinned by our unwavering focus on safety, delivering better outcomes and experiences for our customers, and improving our operational and financial performance. We have set specific goals to reduce wildfire risk, invest in our hometowns, and drive earnings growth. We also continue to mature our use of the Lean Operating System to drive better visibility, more effective decision making, and faster problem solving throughout the business.

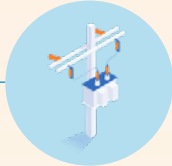
2022 Highlights



Increasing wildfire resilience

65%

We continued our **Enhanced Powerline Safety Settings (EPSS) program**, which allows for automatic shutdown of electric lines if the electric system senses a problem. In 2022, we saw a more than 65% reduction in CPUC-reportable ignitions on EPSS-enabled lines in High Fire-Threat Districts (compared to the 2018 to 2020 average).

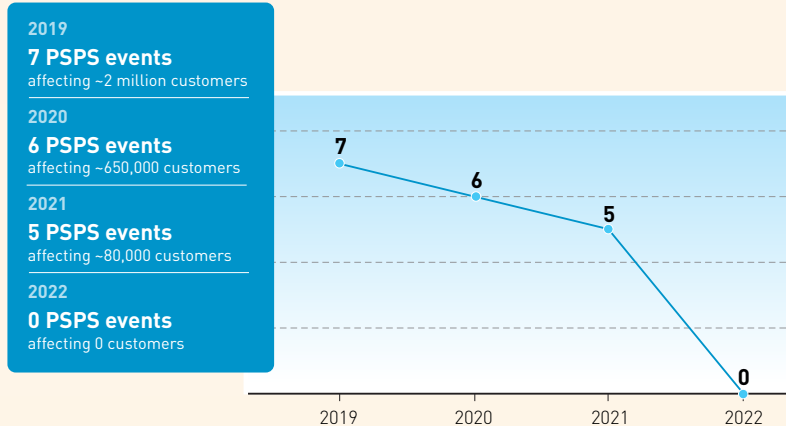


180

As part of our game-changing investment to underground **10,000 miles of powerlines**, we put 180 miles of powerlines underground in 2022, exceeding our goal of 175 miles.



We are focusing undergrounding in areas that are at the highest risk of wildfire so we can have the greatest impact on reducing wildfire risk.



0

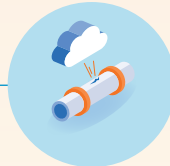
Due to weather conditions, program improvements, and the integration of other wildfire-mitigation tools, we did not initiate a **Public Safety Power Shutoff (PSPS) event in 2022**. That compares to five PSPS events affecting about 80,000 customers in 2021, six events affecting about 650,000 customers in 2020, and seven events affecting about two million customers in 2019.



Improving Operations

3rd

In Gas Operations, we recorded our **lowest pipeline damage rate ever** and **ranked third in the nation** among large gas companies for best safety performance.



3%

We aim to consistently find ways to **reduce waste across our operations** and achieved a **3% reduction** in non-fuel operations and maintenance expenses, exceeding our 2% annual target.



5

We continue to see the benefits of our **Regional Service Model**, with key leaders in each of our **five regions** strengthening local relationships and addressing local needs.





Reliable & Resilient Operations

Delivering safe, reliable, and clean energy to our customers is at the core of our work. Our electric and gas operations work to deliver for our customers today, while taking into consideration future risks from climate change:

- We are further reducing wildfire risks by enhancing and strengthening our electric infrastructure, including making substantial investments to upgrade the grid and our operations.
- We are operating a safe and modern natural gas system, and we are working to make it cleaner by investing in technology and infrastructure to support alternative sources of energy, including renewable natural gas (RNG) and hydrogen.
- We are taking action to build a more climate-resilient energy network to ensure we can continue to deliver for customers even as California continues to experience the impacts of climate change.



Wildfire Safety

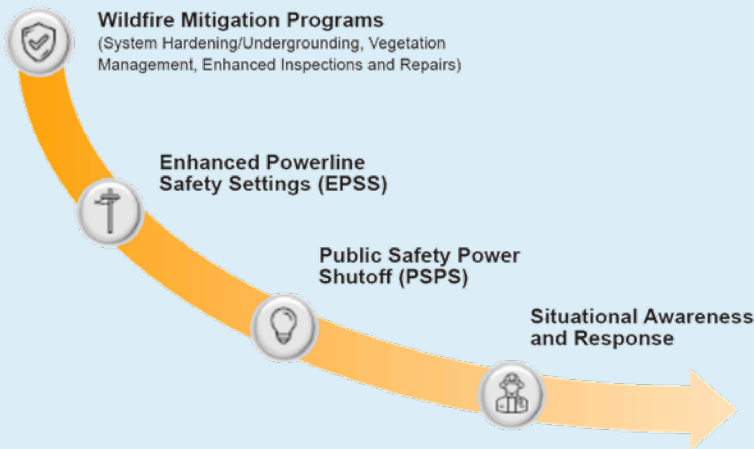
Our Approach

We are fulfilling our responsibility to our customers to improve the safety of our system. Our comprehensive Community Wildfire Safety Program (CWSP) includes short-, medium- and long-term plans to reduce wildfire risk and keep our customers and communities safe. Focus areas include:

- **Undergrounding 10,000 miles of distribution powerlines** in the coming years.
- **Supporting customers and communities** before, during, and after PSPS and EPSS events by providing more resources and working year-round to improve our programs.
- **Vegetation management** to keep trees and other vegetation a safe distance from powerlines.
- **Continuing to build a safer and more resilient system** by hardening lines and installing sectionalizing devices that help to reduce the size of outage events.
- **Testing and using new tools and technologies** to pinpoint how to best prevent and respond to the risk of wildfires.

Adding Layers of Protection

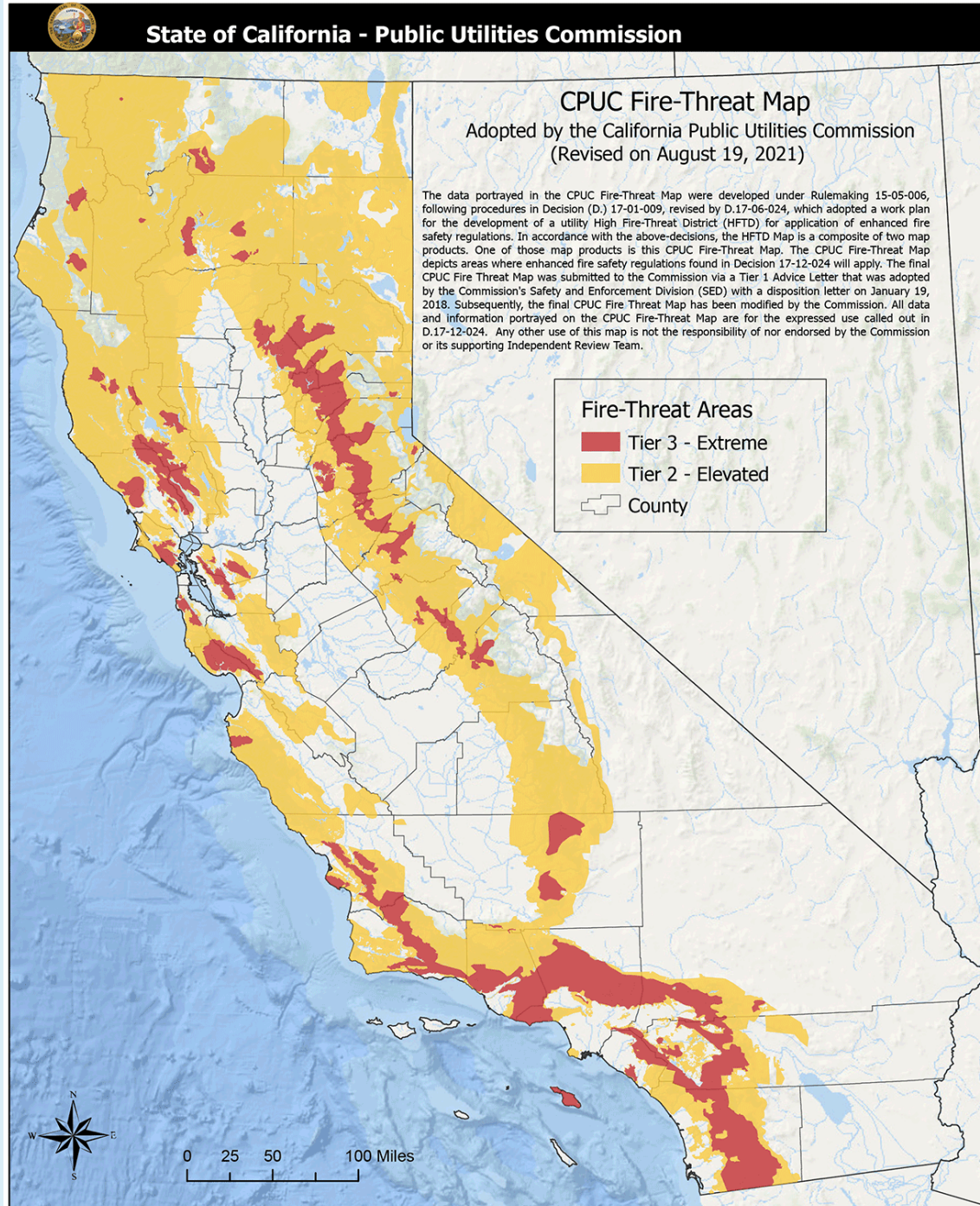
PG&E actions have mitigated 90%+ of wildfire risk from our equipment and new measures are making our system even safer. In fact, we are on track to achieve a 94% reduction in wildfire risk from PG&E equipment before the end of 2023.¹



1. Based on a comparison in the Utility's GRC testimony of the wildfire risk score for a baseline risk level to a risk level reflecting the Utility's mitigation work. Risk scores are calculated using the scoring methodology established by the CPUC in the Safety Model Assessment Proceeding, which reflects the frequency with which various risks are expected to occur and the potential safety, reliability, and financial impacts of varying degrees of wildfire severity.

CPUC Fire-Threat Map

The Fire-Threat Map identifies areas across California that have the highest likelihood of a wildfire impacting people and property, and where additional action may be necessary to reduce wildfire risk.



For more information about the data and map depicted, or other matters related to Utility wildfire safety, please contact Terrie Prosper at Terrie.Prospier@cpuc.ca.gov or visit website at <https://www.cpuc.ca.gov/industries-and-topics/wildfires/fire-threat-maps-and-fire-safety-rulemaking>.

Basemap is sourced from Esri World Ocean.

Version 3 revised on August 19, 2021 is a result of Resolution SED-4 and an update to CAL FIRE's tier 1 of the High Hazard Zones.

2022 Milestones

Community Wildfire Safety Program

Our wildfire safety program is evolving each year to reflect lessons learned and demonstrate progress on key initiatives. In 2022, that included:

- **Installing 142 sectionalizing devices and transmission switches** able to limit the size of outages so fewer communities are without power during times of highest wildfire threat.
- **Hardening 483 distribution circuit miles** to increase system resiliency.
- **Meeting and exceeding state vegetation and safety standards** across more than 1,900 miles to manage vegetation near powerlines that could cause a wildfire or power outage.
- **Installing microgrids** that use generators to keep the electricity on during PSPS and EPSS events.
- **Utilizing additional state-of-the-art weather tools**, including weather stations and high-definition cameras, to improve extreme weather forecasting. In 2022, we installed and operationalized an additional 111 weather stations and 100 high-definition cameras.
- **Using our Hazard Awareness and Warning Center (HAWC)** to coordinate wildfire prevention and response actions as well as ensure readiness for a variety of potential natural disasters and emergencies.
- **Inspecting all lines and structures** in Tier 3 areas and one-third of lines and structures in Tier 2 areas on the CPUC Fire-Threat Map to help reduce wildfire risks caused by equipment issues.

Undergrounding 10,000 Miles of Powerlines Becoming a Reality

PG&E's initiative to underground 10,000 miles of powerlines in high fire risk areas represents the largest effort in the United States to underground powerlines to reduce wildfire risk, as well as harden the grid against other types of extreme weather.

Benefits are expected to include:

- *Safety* by reducing the risk of wildfires
- *Dependability* by reducing the need for PSPS and EPSS outages and improving service reliability
- *Resilience* to a changing climate
- *Sustainability* by saving trees and beautifying our hometowns

We put 180 miles of powerlines underground in 2022, exceeding our goal of 175 miles. For 2023, we're targeting another 350 miles and continuing to ramp up the program, gain efficiencies, and integrate best practices.

Third-Party Certification for our Electric Asset Management Systems

In 2021, we achieved International Organization for Standardization (ISO) 55001 certification for our asset management systems in our Electric Operations and Electric Engineering organizations, a sign of progress in our safety culture. Lloyd's Register awarded the certification after a rigorous evaluation process that was more than three years in the making and included a comprehensive review of our electric operations. In 2022, we continued to adopt best practices and began the re-certification journey.

Expansion of the EPSS Program

The EPSS program is a proven wildfire prevention tool. In 2022, we saw a more than 65% reduction in CPUC-reportable ignitions on EPSS-enabled lines in High Fire-Threat Districts (compared to the 2018–2020 average). We also observed a 99% decrease in total High Fire-Threat District acres burned relative to the 2018–2020 average.



For the safety of our customers and communities, PG&E has enhanced safety settings on our powerlines designed to automatically turn off power within one-tenth of a second if a wildfire threat is detected.

Launched as a pilot in 2021, these settings were first implemented on a select number of circuits in high fire-risk areas. Having seen a significant reduction in ignition rates in 2021, we expanded the program to 100% of line miles in high fire-risk areas in 2022, as well as select adjacent areas. In total, approximately 44,300-line miles are now EPSS-protected.

PSPS Program

As we work to build the electric system of the future with efforts like undergrounding and system hardening, our use of PSPS as a measure of last resort is expected to decline.

Due to weather conditions, program improvements, and the integration of other wildfire-mitigation tools, we did not initiate a PSPS event in 2022. That compares to five PSPS events affecting about 80,000 customers in 2021, six events affecting about 650,000 customers in 2020, and seven events affecting about two million customers in 2019.

We will continue to focus on helping customers and communities with wildfire safety.

A Call to Innovate: PG&E Joins XPRIZE Wildfire

PG&E partnered to launch a four-year, \$11 million global competition in pursuit of innovative technology to help end catastrophic wildfires. The competition is focused on technology that can quickly detect and suppress wildfires before they become destructive. XPRIZE Wildfire is a call-to-action to entrepreneurs, roboticists, artificial-intelligence experts, scientists, and innovators from across the globe to revolutionize wildfire detection and suppression.

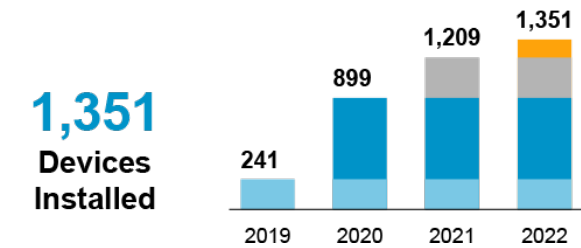


Measuring Progress

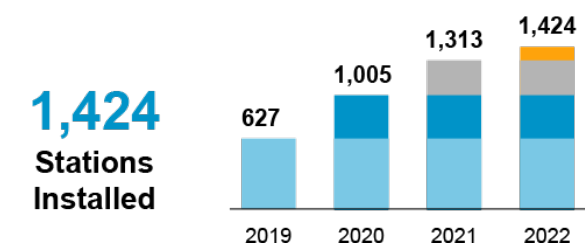
Wildfire Mitigation

Our wildfire protection work is making our system safer and more resilient while positioning us to better serve our customers in the short- and long-term and respond to our state’s evolving climate challenges. The charts show cumulative progress between 2019 and 2022.

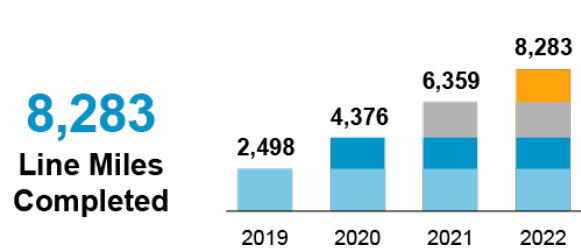
Sectionalizing Devices



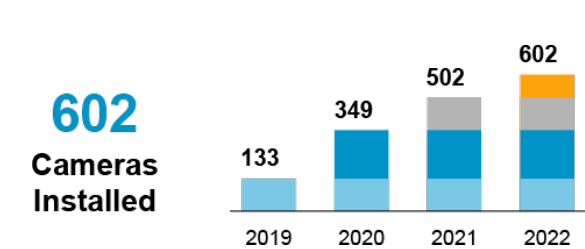
Weather Stations



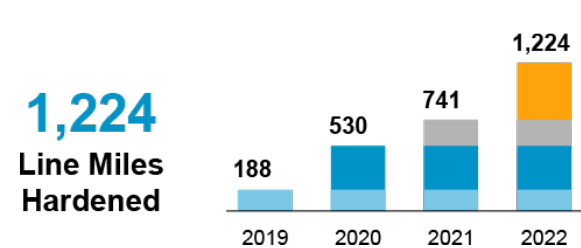
Enhanced Vegetation Management



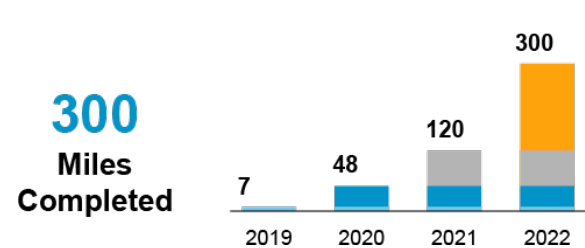
HD Cameras



System Hardening



Undergrounding

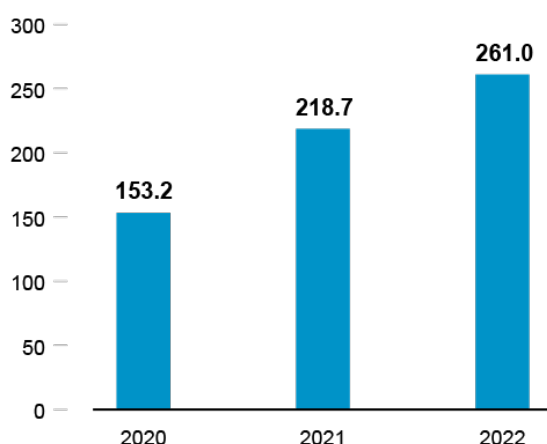


Electric System Reliability

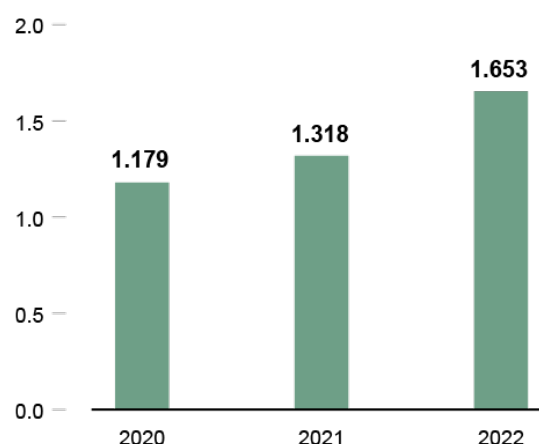
In 2022, the average time a PG&E customer was without power (SAIDI) was 261.0 minutes, and the average number of power interruptions per customer (SAIFI) was 1.653, or just more than one outage per customer per year. Both results exceeded our targets.

Electric Reliability Progress

Average duration of outages per customer in minutes (SAIDI)¹



Average number of outages per customer (SAIFI)²



1. System Average Interruption Duration Index (SAIDI) is the amount of time the average customer experiences a sustained outage (being without power for more than five minutes) each year.

2. System Average Interruption Frequency Index (SAIFI) is the number of times the average customer experiences a sustained outage each year.

PG&E also works to reduce the number of customers who experience sustained outages, measured as a percentage of the total customers served, through our outage review team process, which works to quickly identify and address local reliability challenges. Nevertheless, with a result of 0.85, we fell short of our 1.0 target.

We exceeded our target for the percentage of time that PG&E personnel were on site within 60 minutes after receiving a 911 call of a potential PG&E electric hazard—achieving 98.2% relative to our target of 97.3%.

Electric System Progress

	2020	2021	2022
Customers experiencing five or more sustained outages (CEMI-5)	3.56	4.13	N/A
Customers experiencing five or more and ten or more sustained interruptions (CEMI-5 and CEMI-10)	N/A	N/A	0.85 ¹
Electric Emergency Response (percentage within 60 minutes)	97.2%	97.2%	98.2%

1. CEMI-5 is the total number of customers experiencing 5 or more sustained interruptions (planned or unplanned) and CEMI-10 is the total number of customers experiencing 10 or more sustained interruptions (planned or unplanned); both metrics are reported as a year-to-date measure for a rolling 12-month period. This metric is calculated as a composite index with total CEMI-5 and CEMI-10 scores broken out by performance within and outside EPSS zones. Total CEMI-5 and CEMI-10 scores contribute 60% and 40%, respectively, to the index. A higher composite index reflects better performance. In 2020 and 2021, this measure was CEMI-5 unplanned outages excluding major event days.



Gas Safety

Our Approach

We work every day to safely transport natural gas through approximately 50,000 miles of natural gas pipelines. The system includes about 6,300 miles of transmission pipelines, approximately 44,000 miles of gas distribution pipelines, three gas storage facilities, and nine compressor stations which receive and move natural gas through our pipeline network.

While we have made progress in key safety areas, we realize there is more to do to demonstrate our commitment and progress towards gas safety excellence. Our focus remains on maintaining and operating this system safely and reliably, with public and workforce safety as the single most important driver of our work.

Meeting Industry Standards for Gas Operations Safety

PG&E strives for continuous improvement, and validation from third-party experts demonstrates that we are making progress towards our safety goals. Our Gas Safety Excellence Management System first received certification by a third-party auditor in 2014 and remains compliant to the following industry standards:

- American Petroleum Institute Recommended Practice (API RP) 1173, the industry standard on pipeline safety management systems
- API RP 754, Process Safety Performance Indicators
- OISO 55001 and Publicly Available Specification (PAS) 55-1



2022 Milestones

Gas Transmission System

PG&E continues to invest in the safety and reliability of our gas transmission pipeline system. From 2011 to 2022, we achieved the following results:

- Validated safe operating pressure by strength-testing 1,591 miles of gas pipeline
- Replaced 279 miles of gas transmission pipeline
- Automated 403 valves, enabling automatic or remote-control shutoff of gas in an emergency
- Retrofitted 2,177 miles of gas transmission lines to accommodate in-line inspection tools, or “smart pigs,” which are used to inspect the condition of pipelines using sophisticated technology

We also conduct surveys of our gas transmission system by air to ensure that there are no safety risks or unknown excavations occurring on or around our pipeline.

Gas Distribution System

We continue to improve the safety and reliability of PG&E’s gas distribution system through enhancements to leak response and repair, the deployment of new tools and technologies, and our records and information management.

PG&E uses a diverse array of state-of-the-art tools to survey and inspect our gas infrastructure by air, land, and water. Crews use handheld devices, aircraft equipped with LiDAR technology, leak-detecting vehicles, boats, drones, and all-terrain-vehicles to help identify leaks and make repairs when needed. Since 2014, PG&E’s Picarro gas leak survey vehicles have enabled us to quickly identify leaks and prioritize them for repair.

Other highlights from 2022 include:

- Fixing open minor non-hazardous workable leaks within 122 days on average, exceeding our target performance of 150 days
- Responding to gas odor reports within 20 minutes on average
- Replacing 1,387 total miles of gas distribution main since 2011

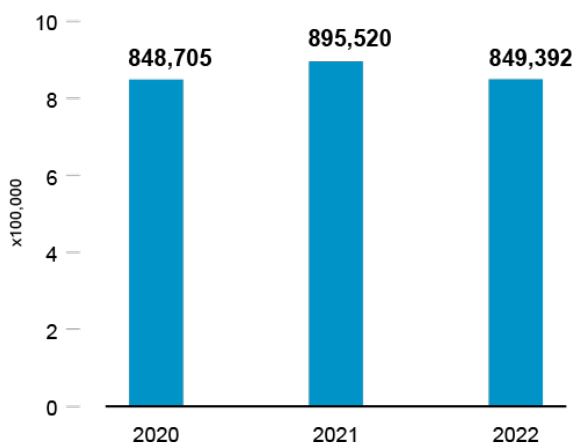
Measuring Progress

PG&E has measured our progress enhancing the safety of our gas system since 2010 and remains committed to continuous improvement.

	2010	2022
 Gas Odor Response Times		
Average response time in minutes	33.3	19.9
Percent response within 60 minutes	94.4%	99.6%
 SCADA Visibility and Control Points		
Transmission pressures and flows	1,300	2,563
Transmission control points	870	990
Distribution pressures and flows	290	4,912
 Leak Backlog		
Grade 2 open leak average duration	N/A	122 days
 Dig-In Reduction		
Third party gas dig-ins per 1,000 USA tickets	3.5	0.87
	2010	2011–22
 Gas Transmission		
Miles of pipeline replaced	9	> 279
Miles of pipeline strength tested	0	> 1,591
Miles of pipeline made piggable	130	> 2,177
Automated valves installed	0	403
 Gas Distribution		
Miles of main replaced ¹	27	> 1,387

1. In 2014, all known remaining cast iron pipe was decommissioned.

Natural Gas Throughput



1. Includes interdepartmental natural gas sales for the purpose of electric generation but excludes other interdepartmental natural gas sales.



Climate Resilience

At PG&E, our stand is that everyone and everything is always safe. For this to be true, PG&E must be resilient to the physical risks of climate change, which have the potential to threaten the safety and reliability of the energy system, as well as the safety of our customers.

Adapting to these changing risks involves understanding the impacts of climate change on our business, coworkers, customers, and the communities we serve. It also means being prepared to withstand and rapidly recover from major disruptions in service caused by climate-driven weather events. PG&E's commitment is to continue to provide safe, reliable, affordable, and clean energy service even as the climate conditions under which we operate become more challenging.

Our commitment to climate resilience is embedded in our cross-functional approach, which engages leadership from key departments across the business in a structured manner. Through PG&E's Lean Operating System, climate resilience priorities can be raised daily, weekly, and monthly at cross departmental operating review meetings. More broadly, we are also integrating climate change as a cross-cutting risk factor across our strategic planning process and enterprise risk modeling efforts.

Our Approach

Through PG&E’s climate resilience program, we are working to ensure that all relevant decision-making is informed by the best available climate science.

Building Climate Resilience Within PG&E



Resilience Highlights

1	2	3	4	5
• We rely on Cal-Adapt, California’s designated source for locally downscaled climate projections. • We collaborate with academic and government partners to conduct original research into the potential impacts of climate change on key hazards, such as wildfires.	• We consider physical climate hazards a cross-cutting risk factor and are integrating climate risk into our enterprise risk models. • We’re conducting a multi-hazard, service area-wide Climate Vulnerability Assessment to capture a comprehensive view of physical climate risk.	• Our General Rate Case filings include a dedicated climate resilience chapter in recognition of likely future resilience-focused projects. • We’re developing climate-informed design guidance to enable PG&E to plan our system for projected future conditions, to reduce costs and improve service reliability.	• We’re actively partnering at the local level to address mutual hazards, including recently being awarded federal funding from FEMA’s BRIC program for a mutual application with local partners in the Bay Area. • Our charitable giving program, both from The PG&E Corporation Foundation and from PG&E, supports community-identified resilience needs.	• We’re collaborating with the Institute of Electrical and Electronics Engineers (IEEE) and Electric Power Research Institute (EPRI) to develop utility industry climate resilience metrics. • We’re connecting with customers about their energy-related climate resilience needs.

2022 Milestones

Centering Community Resilience in Our Climate Adaptation Strategy

PG&E is conducting a Climate Vulnerability Assessment, which is an enterprise-wide study that looks at how actual and expected climate change conditions may impact the operations, safety, and reliability of PG&E's assets, operations, and services. This study will inform actions PG&E can take to adapt our system to evolving climate hazards while also working to reduce impacts to—and increase the adaptive capacity of—disadvantaged and vulnerable communities.

To inform our assessment, we conducted 18 months of robust community engagement, which helped bring a deeper understanding of the impacts of climate hazards and energy outages, as well as community resilience in a changing climate. The outreach effort included:

- Convening five regional advisory groups, composed of 60 community-based organizations in disadvantaged and vulnerable communities
- Conducting over 40 research interviews with community leaders
- Collecting over 6,000 survey responses about impacts of climate hazards and energy outages
- Developing culturally-relevant materials translated into 10 different languages

Championing Climate Resilience Across the Energy Utility Industry

PG&E is a technical advisor for Climate READi, an Electric Power Research Institute initiative supporting the development of industry-wide best practices for integrating climate science, developing climate vulnerability assessments, and adaptation strategies.

Additionally, in 2022, we shared best practices for climate resilience planning and climate vulnerability assessments for utilities through numerous forums, including the Resilience to Extreme Events Summit and the U. S. Energy Association's Advancing Modern Power through Utility Partnerships Program.



Helping to Build Local Climate Resilience

Pacific Gas and Electric Company offers the Resilience Hubs grant program, which helps communities build a network of local hubs to build community resilience to climate-driven extreme weather events.

In 2022, PG&E awarded four Feasibility Project grants of \$25,000 each, to fund an assessment of resilience hub needs and conceptual ideas for a resilience hub:

- LightHouse for the Blind and Visually Impaired
- Little Manila Rising
- Mattole Restoration Council
- North Valley Community Foundation

PG&E awarded three Design and Build Project grants of \$100,000 each, toward the design or creation of a resilience hub, either planning and design of new physical spaces or mobile resources or retrofits of existing buildings or structures to support community resilience:

- Food Bank of Contra Costa and Solano
- Marin Center for Independent Living
- Support Life Foundation

New Remote Grid Systems Add Resilience

PG&E is adding four “remote grid” systems to help build resilience to extreme weather, while also delivering an improved customer experience.

The systems allow PG&E to remove 4.5 miles of overhead distribution electric lines while enabling five customers to receive wireless energy. Two systems are located in Tehama County (near Paskenta) and two are in Mariposa County (near Mariposa and Ahwahnee).



PG&E is also deploying a standardized monitoring and control platform that will help scale the program to more than 30 systems by 2026. The new systems are modeled on PG&E's first remote grid in Briceburg (Mariposa County), which was commissioned in June 2021 and is also managed by the monitoring and control platform.



Ethics, Compliance & Risk Management

At PG&E, we are committed to complying with both the letter and the spirit of the law. We work every day to protect the safety of our workforce and the public, while also striving to meet our environmental compliance obligations. Coworkers are expected to know and follow our Codes of Conduct and all compliance requirements, and to speak up about safety issues or other concerns.

We also recognize that delivering gas and electric service is inherently risky. However, risk can be managed, and we strive to embed risk management in every critical business process—making data-driven decisions to support safe, reliable, and affordable electric and gas service.

Our Approach

Ethics and Compliance

The PG&E Corporation Executive Vice President, General Counsel and Chief Ethics and Compliance Officer (CECO) leads ethics and compliance. The CECO reports to the PG&E Corporation CEO and has additional reporting responsibility to the Audit Committees and Safety and Nuclear Oversight Committees of the PG&E Corporation and Pacific Gas and Electric Company Boards of Directors (Boards).

Beginning in 2016, we adopted a standardized framework called the Ethics and Compliance Maturity Model. This model includes elements derived from the U.S. Federal Sentencing Guidelines, which define the parameters of an effective ethics and compliance program.

Additionally, management-level governance bodies help drive and coordinate our ethics and compliance activities:

- **Commitments Information Center:** A forum that enables PG&E's executive leadership to drive improved compliance performance by providing visibility into PG&E's internal and external obligations.
- **Ethics and Compliance Leadership Team:** A cross-functional, non-officer team that strives to improve the effectiveness of PG&E's ethics and compliance program by sharing best practices and coordinating strategies, goals, and programs across the enterprise.
- **Risk and Compliance Committees:** Forums in each part of the organization with officers and senior leaders that provide strategic guidance and oversight for ethics and compliance programs and operational risk management.

- **Ethics Council:** A cross-functional group of coworkers and leaders that explores the role that business ethics plays in our operations and relationships with coworkers, customers, and all other stakeholders.

To provide guidance on conduct requirements, PG&E maintains codes of conduct for:

- Employees
- Boards of Directors
- Contractors, Consultants, and Suppliers

Risk Management

Within PG&E, risk management is organized into two types of risk:

- Operational Risk
- Financial Risk

Operational Risk:

By systematically identifying, evaluating, mitigating, and monitoring risks, PG&E's Enterprise and Operational Risk Management (EORM) program facilitates risk reduction.

The Chief Risk Officer (CRO) of PG&E Corporation and Pacific Gas and Electric Company oversees the EORM program and is responsible for safety and operational risk compliance. The CRO is accountable to the PG&E Corporation CEO and the Boards of Directors.

Senior management categorizes enterprise risks and recommends the most serious risks for Board-level review at least once every 12 months. The program, including enterprise risks, is overseen by senior management and the Boards of Directors.

With guidance from a central program office, PG&E maintains a risk register of event-based and cross-cutting risks. We follow a consistent enterprise-wide approach to identify, evaluate, respond to, and monitor risks. With our evaluation methodology, PG&E calculates a risk score and evaluates different mitigation strategies to reduce this score.

Additionally, senior management provides cross-functional oversight through an Executive Risk Command Center as part of the Lean Operating System. For enterprise risks, this forum focuses on metrics for each key risk that indicate whether risk reduction activities meet objectives, engages executive leadership across risk areas, and drives risk management best practices consistently across the enterprise.

To enhance risk management, the CRO has regular insight into, and feedback from, operational activities. The operational risk validation function, overseen by the CRO, leads this effort.

Financial Risk:

Financial risk is further broken down into two categories—Consolidated Liquidity Risk and Market and Credit Risk. Liquidity risk is one of PG&E's top financial risks and is defined as the inability to meet financial obligations as they come due. PG&E assesses and evaluates market, credit, and liquidity risk for energy procurement, financial derivatives, and other related risk activities.

Market, credit, and liquidity risk management is implemented through PG&E Corporation's Risk Policy Committee and the Utility Risk Management Committee, which provide oversight and approval of

energy procurement risk exposure, including energy commodities and derivatives prices, interest rates, currency, credit, and other risks. The Vice President and Chief Audit Officer of PG&E Corporation and Pacific Gas and Electric Company is responsible for market and credit risk management, internal audit, insurance, third-party risk management, and Sarbanes-Oxley Act compliance.

Environmental Compliance

Our Environmental Policy requires strict adherence to all applicable environmental laws and regulations. These requirements relate to a broad range of activities, including preventing the discharge of pollutants; safely transporting, handling, and storing hazardous materials; properly managing hazardous wastes; protecting threatened and endangered species; and reporting and reducing emissions of air pollutants and greenhouse gases such as carbon dioxide, methane, and sulfur hexafluoride.

To meet these requirements, PG&E employs an Environmental Management System (EMS) modeled after the ISO 14001 environmental management standard and consistent with the ISO standard's "Plan, Do, Check, Act" model for continuous improvement. In addition, we align our EMS and environmental operations to PG&E's Ethics and Compliance Maturity Model. This allows us to integrate our compliance activities with the rest of PG&E, and to use common compliance performance measurements.

The Vice President, Shared Services of Pacific Gas and Electric Company oversees our commitment to meeting environmental requirements, including reviewing monthly compliance performance updates. An annual environmental compliance summary is presented to the Sustainability and Governance Committee of the PG&E Corporation Board of Directors.

Auditing, assessments, and testing are critical to ensure compliance with the many environmental laws and regulations relating to our business. We review and audit environmental performance in three ways:

- **Comprehensive Assessments:** A team of cross-functional environmental personnel performs an extensive assessment at selected facilities to evaluate compliance with environmental regulations.
- **Internal Audits:** The Internal Auditing department—which reports directly to the PG&E Corporation and Pacific Gas and Electric Company Vice President and Chief Audit Officer—conducts systemic and programmatic controls-based audits to independently analyze the effectiveness of our environmental compliance management systems.
- **Compliance Testing and Risk Reviews:** These reviews, designed to assess the adequacy of controls and risk mitigations, as well as compliance work processes, are conducted by the Risk and Compliance function.

Board Governance

Certain committees of the Boards have specific oversight responsibility for compliance and risk management in their respective substantive areas. For a full description of Board committee oversight responsibilities, please see the webpages of the Boards of Directors of PG&E Corporation and Pacific Gas and Electric Company, as well as our 2023 Joint Proxy Statement.

2022 Milestones

Ethics and Compliance

- **Expanded and improved visual management in our Commitments Information Center** to bring transparency to and drive improvement in PG&E's compliance performance.
- **Partnered across the organization on risk-prioritized plans** to improve ethics and compliance programs.
- **Increased oversight of our North American Electric Reliability Corporation (NERC) compliance program** through improvements in governance and enterprise processes.
- **Focused on rooting out fraud** through enforcement, education, and training.
- **Established a Community of Records Advocates** to increase awareness and advocacy for records management across the organization, while also enhancing our communications and training, governance, tools, and remediation of records-related risks.
- **Made PG&E's Ethics Council more action oriented** by applying Lean Operating System processes.

Driving culture change at PGE

We continue to promote our “speak up, listen up, follow up” culture to create an environment in which all coworkers feel safe to speak up—particularly about safety concerns and potential misconduct—and to listen and take action to resolve issues.

Our culture change efforts included:

- Presenting our sixth annual Speak Up Awards honoring coworkers who had the courage to speak up about an issue or concern resulting in a positive impact on PG&E, our customers, or culture. Nearly 2,500 coworkers attended the 2022 ceremony, where we recognized 27 employees, including Bear Grant, a Principal Program Manager in Land Acquisition, who improved a process and advocated for neurodiverse coworkers.
- Holding PG&E's eighth annual Ethics and Compliance Week—focused on building a strong foundation for collaboration and exploring three of our virtues: trustworthy, empathetic, and curious.
- Continuing our Reach Every Employee program to uncover safety concerns.



Environmental Compliance

- **Leveraged our EMS to improve environmental compliance and performance.** We reviewed and scored the impacts of more than 200 aspects of our operations and are using this analysis to identify significant environmental impacts and risks across our operations and help prioritize areas of compliance.
- **Used compliance data to drive environmental stewardship and reduce our environmental footprint.** Working jointly with our sustainability teams, we evaluated emission compliance data for predictive analysis and are making recommendations to further reduce emissions from natural gas operations.
- **Continued to explore and implement innovative approaches to support our multi-year underground-ing plan** to improve environmental and land stewardship and minimize environmental impacts.

Risk Management

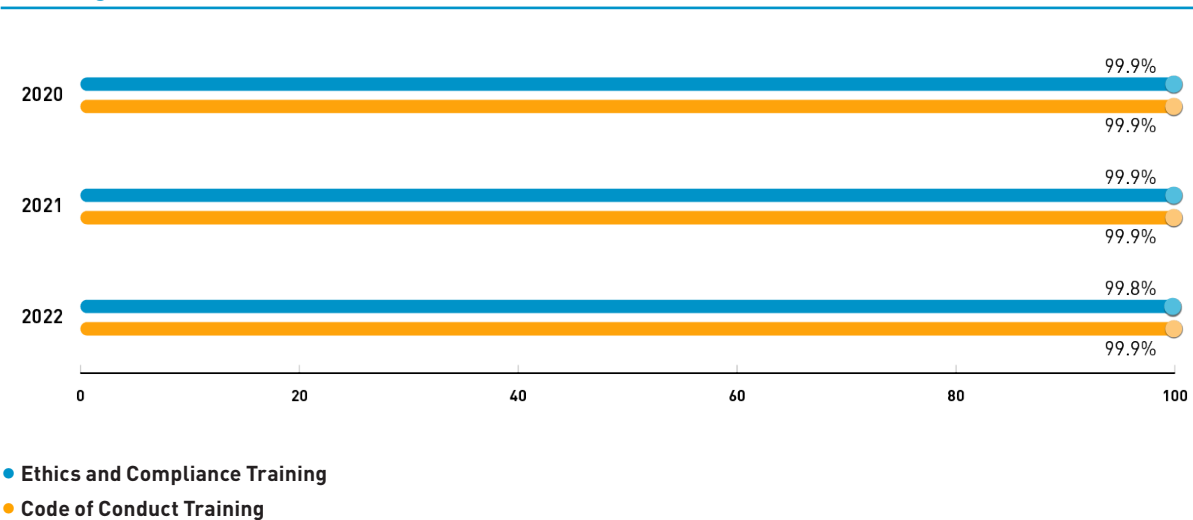
- **Met our targets for measures related to hedging, liquidity, and market risk.**
- **Updated our framework for integrating risk-based prioritization** into our annual business planning process.
- **Took an active role in the CPUC's Risk-Based Decision-Making Framework proceeding,** which explored issues such as a standardized risk analysis methodology based on monetary valuations of safety, reliability, and financial risk, and how to identify disadvantaged and vulnerable communities impacted by risks and benefitted by mitigations.
- **Identified opportunities to improve or enhance risk reduction within our top risk-mitigating programs** such as restoring poles, conducting in-line inspections of gas pipelines, and maintaining our electric distribution system.
- **Updated our framework for expanding PG&E's enterprise data privacy program.**
- **Closed the final recordkeeping remedies relating to the San Bruno gas pipeline accident investigations,** requiring management of records in shared drives.

Measuring Progress

Ethics and Compliance

Our annual all-coworker ethics and compliance training incorporates video vignettes based on real-world issues that coworkers might face. The training emphasizes the importance of ethical decision making and safety. In addition, we require all employees to complete Code of Conduct training annually and certify that they have read, understand, and will comply with the PG&E Code of Conduct. In 2022, we also measured the effectiveness of these trainings and improved training completion timeliness.

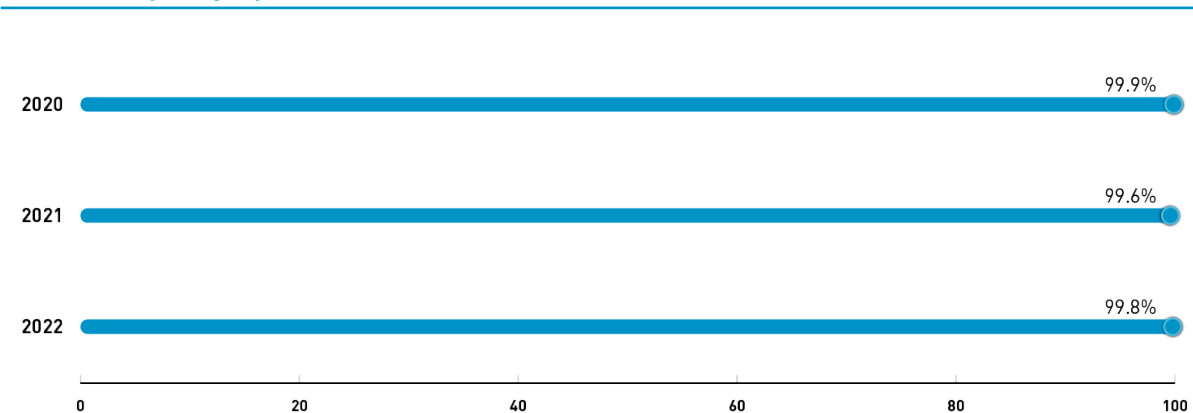
Training¹



1. For a variety of reasons, a statistically small number of PG&E’s workforce is unable to attend a training session in any given year.

We continued our Reach Every Employee program, which offers every coworker the opportunity to speak up to their supervisor about safety concerns, identify potential misconduct issues, and share new ideas. Every supervisor is accountable to follow up on the issues and ideas raised by their team.

Reach Every Employee¹



1. For a variety of reasons, a statistically small number of PG&E’s workforce is unable to complete a Reach Every Employee conversation in any given year.

PG&E received 1,042 allegations of misconduct in 2022. This was a 3% increase compared to 2021, although the numbers of substantiated cases remained consistent. We attribute the increase in allegations to continued communications encouraging coworkers to speak up about concerns, and additional work to detect potential issues with time and expense reports. PG&E's Ethics and Compliance department also received 262 requests for guidance from employees in 2022, nearly unchanged from 2021.

Environmental Compliance

PG&E tracks and reports a wide range of annual environmental compliance performance indicators. This section covers our performance results for 2020 to 2022.

Environmental Compliance Data

	2020	2021	2022
Critical Enforcement Actions¹	4	4	8
Percentage of Inspections Without a Written Enforcement Action	96%	95%	95%
Releases/Exceedances²	124	142	96
Penalties Paid	\$34,793	\$7,200	\$23,747
Agency Inspections³	376	461	636
Audits Performed⁴	15	6	1
Self-Assessments Performed⁵	3,846	8,390	11,231

1. We categorize all written enforcement actions issued by a regulatory agency as minor, significant, or critical. In doing so, we consider the level of impact to the environment, potential or actual monetary damages including restoration costs, and the number of repeat incidences. All enforcement actions are reviewed by the environmental leadership team on a monthly basis.

2. This measure includes an unintentional discharge of a regulated substance that required notification to the State of California or exceeded thresholds allowed in applicable permits. Unintentional releases mostly result from equipment failure due to severe weather, utility pole vehicle strikes, or vandalism and unintentional spills of small volumes of mineral oil from overhead transformers. Spilled material is cleaned up by PG&E first responders or environmental clean-up crews.

3. The majority of these inspections were performed by Certified Unified Program Agencies, such as city and county environmental health departments and fire departments.

4. Includes self-assessments, internal audits, and compliance testing and risk reviews performed by PG&E.

5. The increase in self-assessments of our facilities and projects year over year was in support of increased linear infrastructure repair and replacement projects.



Corporate Governance

PG&E's corporate governance practices are fundamental to our sustainability performance and how we operate as a business. The Corporate Governance section of our website details the policies and practices of the Boards, including governance guidelines, bylaws, disclosure standards, and Codes of Conduct for directors and employees. Additional corporate governance disclosures are available in the companies' Joint Proxy Statement.

Our Boards

Our Boards are responsible for overseeing our companies' long-term business strategy and our purpose of delivering for our hometowns, serving our planet, and leading with love. The Boards focus on ESG matters, goals, and performance, and closely follow metrics that demonstrate operational performance. Our Board members are experienced, qualified, and committed.

PG&E Corporation's and the Utility's Boards of Directors are composed of the same directors with the addition of a Utility principal executive officer on the Utility Board. In March 2023, the Utility Board appointed Sumeet Singh as Executive Vice President, Operations and Chief Operating Officer (COO) and as a director. Additional changes to non-employee directors and Committee leadership roles are detailed in the Joint Proxy Statement. On each of the Boards, all of the current non-employee directors are independent as defined by the New York Stock Exchange.

Our Governance Practices

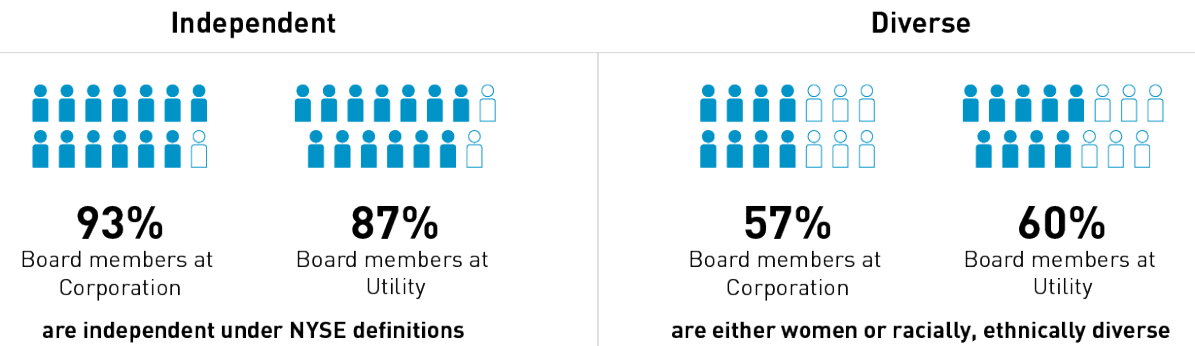
An underlying factor for strong corporate governance is the commitment and independence of the Boards and their fiduciary responsibilities to the companies and their respective shareholders, detailed in our Corporate Governance Guidelines.

The Boards review PG&E's corporate governance practices on an annual basis in line with industry best practices. PG&E actively engages with shareholders regarding governance practices and other matters and amends these practices from time to time when doing so is in the best interest of the companies and their shareholders.

PG&E Corporation's Sustainability and Governance Committee oversees the director refreshment process each year. This process includes an annual review of independence, an assessment of skills and qualifications, and an evaluation of the directors' commitment to serving on the Boards. The

Sustainability and Governance Committee also considers diversity, ties to our service area, and fit with the Boards’ culture. For new Board nominees, the Committee works with independent search firms to identify qualified candidates. All candidates are evaluated using the same criteria.

Diversity contributes to strong corporate governance and is a core value for PG&E. PG&E’s Board composition reflects this value. PG&E currently exceeds compliance with state laws regarding Board diversity and follows industry practices and investor guidelines for gender and racial/ethnic diversity: 57% of Board members at the Corporation and 60% of Board members at the Utility are either women or are racially or ethnically diverse.



PG&E Corporation and the Utility use a matrix of skills for Board members, included in the Joint Proxy Statement, that was developed with input from regulators and other stakeholders. The matrix emphasizes specific experience in utility management, natural gas systems, nuclear generation, emergency management, wildfire management, and financial literacy. Each Board member is evaluated with this list of skills in mind as part of the refreshment process, as required by our Corporate Governance Guidelines. Safety and Nuclear Operations Committees members and the Utility Chair are required to possess special expertise in operations, cybersecurity, or risk.

Our Boards are committed and engaged in the oversight of the companies. Board meetings for PG&E Corporation and the Utility had an attendance rate of 97% in 2022. Each incumbent director attended at least 75% of the total meetings of the Boards and the Committees on which they served.

Oversight Responsibilities for Board Committees

The Boards and their respective Committees have oversight responsibility for key issues, such as climate resilience and sustainability, cybersecurity, risk, safety, people, and financials:

Sustainability and Governance Committee¹	Oversees climate risk and adaptation planning; corporate sustainability issues, such as environmental compliance and leadership; corporate governance; charitable contributions; and public policy issues. This includes an annual review of PG&E's environmental performance and sustainability practices.
Safety and Nuclear Oversight Committees	Oversee risk, employee and public safety, and cybersecurity, among other topics, as they impact PG&E's assets and operations. Receive regular reporting on key operational issues, such as safety, wildfire safety, risk, asset management, and cybersecurity.
People and Compensation Committee¹	Oversees compensation-related issues, as well as diversity, equity, inclusion, and belonging. This includes overseeing an executive compensation program structure that links pay to performance, aligns interests with shareholders and customers, and prioritizes safety. Oversees succession planning for the CEO and other senior management.
Finance and Innovation Committee¹	Oversees forward-looking financial planning and investments in technology designed to increase our delivery of safe, affordable, and clean energy to customers, allowing PG&E to enable a low-carbon future.
Full Boards	Oversee other components of PG&E's sustainability commitment, focusing on long-term strategy and investments in a low-carbon future.

1. Committees of the PG&E Corporation Board of Directors only.

In connection with the 2017 settlement of shareholder derivative suits relating to the San Bruno accident, PG&E Corporation and Pacific Gas and Electric Company committed to making several enhancements ("therapeutics") to its corporate governance and gas safety practices.

The corporate governance "therapeutics" include establishment and enhancement of Board committees responsible for safety oversight; regular public disclosure of API 1173 certification status; enhanced commitment to shareholder involvement through regular dialogue regarding corporate governance; updating the Codes of Conduct to reflect best practice as well as to more fully promote and ensure safety culture and reporting; stating the respective responsibilities of the Chief Safety Officer (CSO), the Chief Ethics and Compliance Officer (CECO), and the Boards and their committees regarding instillation of safety culture; additional clarity and accountability regarding communication and information access and exchange between employees, management, key compliance and safety officers, Board Committees, and the Boards of Directors; clarification regarding the incorporation of safety, compliance, and ethics into officer compensation; enhancement of a speak-up culture for employees and Board members; and enhancement of safety training for employees and Board members. PG&E has implemented all of these corporate governance practices.

Effective January 16, 2023, PG&E Corporation and Pacific Gas and Electric Company will post on their Governance internet pages notification of changes to corporate governance practices that were implemented as a result of the imposition of the corporate governance therapeutics. PG&E has fully embraced the improvements prompted by the corporate governance therapeutics and expects that any changes will not impact the substance of the therapeutics. For example, potential changes may include: (1) changing the frequency of meetings for the SNO Committees (including the number of joint meetings with the SNO and Audit Committees), (2) no longer providing annual public disclosure of the results of qualification under AP 1173 or its successor, and (3) changing specific requirements to record requests and communications in the SNO committee minutes. If PG&E makes governance changes that are materially different from the requirements of the corporate governance therapeutics, PG&E will provide at least three months' prior public notice of such changes via its Governance website at the link noted above.



Public Policy Engagement

As a regulated energy provider, PG&E's business is shaped by public policy at the local, state, regional, and national levels. We participate in the political process on policy matters that are important to both PG&E and our stakeholders, as these policies play a significant role in how we deliver safe, reliable, affordable, and clean energy.

Our Approach

PG&E advocates for public policies that help us to better meet the needs of our customers and coworkers, while adding value for our shareholders and furthering our efforts to serve the planet.

Much of our public policy work, including engagement with elected officials and policy makers, is done in collaboration with trade organizations such as the Edison Electric Institute, the American Gas Association, the Interstate Natural Gas Association of America, the Nuclear Energy Institute and the National Hydropower Association as well as other organizations such as the Natural Resources Defense Council, the Alliance to Save Energy and the Zero Emission Transportation Association. We also partner with the International Brotherhood of Electrical Workers (IBEW) and the International Federation of Professional and Technical Engineers (IFPTE) Local 20 and other labor organizations on national energy policy, and with the IBEW Local 1245, the California Coalition of Utility Employees, the California Council for Environmental and Economic Balance, and other electric or gas energy providers on state energy policy.

California Climate and Clean Energy Advocacy

We've set bold climate commitments, including goals to achieve a net zero energy system by 2040 and to become "climate positive" by 2050 by actively reducing and removing more greenhouse gases than we emit. We've also adopted Climate Policy Principles that guide us on the path to achieving our climate goals.

We're also working to support California's implementation of its goal to achieve economy-wide carbon neutrality by 2045. This includes actively participating in the California Air Resources Board's (CARB) public processes to update the Scoping Plan for how the state will achieve its 2030 and 2045 greenhouse gas emission reduction targets.

We are engaging in CARB's efforts to update the state's Cap-and-Trade program¹ and Low Carbon Fuel Standard program to align with the state's 2022 Scoping Plan.

We also remain focused on other measures such as adoption and implementation of the state’s Advanced Clean Fleets regulation to reduce transportation sector emissions from medium- and heavy-duty truck fleets, including our own. PG&E also supports California’s stringent greenhouse tailpipe emissions standards, as well as efforts to advance EV adoption by providing state and federal tax incentives and support for charging infrastructure.

Guided by our Environmental and Social Justice Policy, PG&E also supports CARB’s Community Air Protection Program, which provides funds for select communities to develop community air monitoring plans, emissions reduction programs, or both to improve air quality in their community.

1. California’s Cap-and-Trade program sets a declining cap on greenhouse gas emissions covering about 80% of California’s emissions, including most greenhouse gas emissions from PG&E’s electric and natural gas businesses. The program requires covered entities such as PG&E to hold compliance instruments (i.e., allowances and offsets) equal to their covered greenhouse gas emissions and establishes markets for such compliance instruments through which a price on carbon emerges.

California Climate and Clean Energy Milestones	
2020 • 33% renewable electricity (SB 2X1)¹ • Economy-wide carbon emissions below the 1990 level (AB 32)	2035 • End the sale of new gasoline-powered passenger cars and light-duty trucks (EO N-79-20) • 90% carbon-free electricity (SB 1020)
2030 • 5 million zero emissions vehicles on the road (EO-B-55-18) • 60% renewable electricity (SB 100) • Double energy efficiency in existing buildings (SB 350) • Economy-wide carbon emissions 40% below the 1990 level (SB 32)²	2040 • 95% carbon-free electricity (SB 1020)
	2045 • 100% carbon-free electricity (SB 100) • Transition 100% of medium- and heavy-duty fleet to zero-emission vehicles, where feasible (EO N-79-20) • Economy-wide carbon neutrality 85% below the 1990 level (AB 1279)

1. PG&E surpassed this target

2. 2022 Scoping Plan includes a 48% reduction below 1990 level by 2030

PG&E's Climate Policy Principles

Meeting the challenge of climate change is central to PG&E's ability to deliver on our triple bottom line framework of serving people, the planet, and California's prosperity—underscored by strong operational performance.

Consistent with this framework, PG&E works to reduce greenhouse gas emissions and environmental impacts from our operations and acts as a valuable partner and enabler to do so with our customers, the State of California, and beyond. PG&E also builds climate resilience by adapting to and preparing for a changing climate and associated weather patterns that could affect our assets, infrastructure, operations, coworkers, and customers.

PG&E is committed to achieving more sustainable operations and enabling our customers to reduce greenhouse gas emissions by:

- Reducing emissions of methane, a potent greenhouse gas released from the operation of natural gas infrastructure, by implementing Senate Bills 1371 and 1383, which address leak abatement and short-lived climate pollutants, respectively.
- Evolving the natural gas system by supporting emerging renewable gas technologies to decarbonize the gas system coupled with critical low-carbon thermal generation to supply electricity during peak electric demand.
- Supporting all-electric building codes and standards for new construction and identifying opportunities for strategic electrification.
- Making our facilities more energy efficient and sustainable, increasing clean vehicles and fuels in our fleet, and adopting environmentally responsible products and services.
- Engaging with our customers to help them use less energy and better manage their energy footprint through solutions that include energy efficiency and demand response; clean and renewable energy and fuels; storage; and low-carbon transportation fuels and fueling infrastructure.
- Integrating climate science into PG&E's decision-making and asset planning to mitigate climate risks and build resilience to long term climate-driven impacts.

PG&E advocates for policies that:

- Position California to achieve economy-wide carbon neutrality by 2045 and support nation-wide decarbonization efforts consistent with science-based emissions reduction targets to achieve carbon neutrality by 2050 or sooner.
- Support cost-effective achievement of greenhouse gas goals through technology-neutral and flexible emission-reduction strategies that foster innovation and technology.
- Support well-designed carbon pricing mechanisms, including California's cap-and-trade program, with environmental integrity, cost containment, and recognition of early actions.
- Support disadvantaged and vulnerable communities and the workforce in an equitable and just transition to a carbon neutral future.
- Support strategies that also lead to community-level local air quality improvements.
- Promote research and development of natural climate solutions and new technologies needed to enable decarbonization including hydrogen production, carbon capture, energy storage, renewable natural gas, and other power-to-gas/liquids technology.
- Support policies that will enable the unprecedented infrastructure build rates and the associated transmission system that will be necessary to decarbonize the economy.
- Support PG&E's ability to invest in and adaptively manage a modern and resilient energy system that can better withstand climate-related impacts and enable PG&E to continue providing safe, reliable, affordable, and clean energy in the face of a changing climate.
- Support market reforms and changes to the regulatory structure that enable deep decarbonization, including building codes and appliance standards, policies to address gas and electric system affordability, and enhanced integration of the Western grid to accommodate demand and supply-side shifts in energy.
- Promote and support customer incentives that do not unduly shift costs to other customers, including energy efficiency, building electrification, and zero emission vehicle adoption.

PG&E aligns and allocates its resources by:

- Supporting candidates who are committed to the environment.
- Providing charitable resources to organizations dedicated to improving our environment and addressing the climate crisis.
- Engaging in coalitions and trade associations in support of our policy principles.

Board Governance

The Sustainability and Governance Committee of the PG&E Corporation Board of Directors maintains oversight of public policy matters. The Executive Vice President of Corporate Affairs and Chief Sustainability Officer of PG&E Corporation leads the development and implementation of PG&E's public policy activities.

The Sustainability and Governance Committee reviews PG&E's political contributions program. The PG&E Corporation and Pacific Gas and Electric Company Boards of Directors establish management approval limits for political contributions from PG&E to candidates, measures, initiatives, corporate political action committees, and certain other organizations that may engage in political activity. The Sustainability and Governance Committee also directs the preparation of an annual report detailing political contributions made by PG&E during the preceding year.

Political Contributions

PG&E Corporation and its affiliates and subsidiaries are committed to fully complying with all applicable federal, state, local, and foreign political laws, and to maintaining the highest ethical standards in the way we conduct our business.

PG&E makes corporate political contributions to:

- Candidates for state and local office,
- Political action committees (PACs),
- Political parties and other organizations that engage in voter registration and similar activities that encourage citizen involvement in the political process, and
- Nonprofit organizations, including those formed under Sections 501(c)(4), 501(c)(6), and 527 of the Internal Revenue Code for purposes of supporting these organizations' political activities.

Along with civic, charitable, and volunteer activities, coworkers can participate in PG&E's political engagement. All eligible coworkers may make voluntary contributions to the following PACs: PG&E Corporation Employees EnergyPAC and Pacific Gas and Electric Company State and Local PAC. PAC contributions go directly to support candidates for elective office and political parties at the federal, state, and local levels, as well as other political action committees. By law, PG&E cannot use corporate funds to make contributions to federal candidates.

2022 Milestones

Public Policy Issues at the State Level

In 2022, California's Governor pursued an extension for our Diablo Canyon Power Plant through legislation that established a pathway for up to five additional years of operations with multiple contingencies. The legislation also authorized a loan of \$1.4 billion from the state to PG&E to facilitate the extension and authorized collection of ongoing operating costs from specified statewide customers.

The state also again experienced a budget surplus, allowing for continued funding of critical issues including climate adaptation strategies.

Highlights of PG&E's advocacy included:

- **California Climate Pillars:** The Governor developed an ambitious policy proposal comprised of several "climate pillars." PG&E advocated for passing several of the proposal's bills, including requiring economy-wide carbon neutrality by 2045, setting interim targets and affordability metrics to achieve 100% clean energy by 2045, and creating a regulatory framework for carbon removal and carbon capture, utilization, and sequestration.
- **Zero Emission Vehicles:** PG&E joined our partners in the California Electric Transportation Coalition to secure investment of \$2.7 billion in one-time funds over the next five years to accelerate the state's transition to zero emission vehicles.
- **Climate Resilience and Building Decarbonization:** PG&E advocated in support of measures that promote climate resiliency and reduce infrastructure risk. The state appropriated over \$130 million towards equitable building decarbonization, and \$400 million toward climate adaptation and resiliency projects.
- **Undergrounding:** PG&E sponsored SB 884, which allows electrical corporations to submit a multiyear undergrounding plan for approval from the CPUC and the California Office of Energy Infrastructure and Safety. SB 884 provides the framework to reduce wildfire risk and increase energy reliability and safety, while creating the opportunity for significant project cost reductions. It promotes economies of scale and establishes a stable and reliable planning environment to construct undergrounding projects with unprecedented speed. With this framework in place, PG&E can mobilize towards its goal of undergrounding 10,000 miles of overhead powerlines.
- **Customer Affordability:** The state budget appropriated \$1.2 billion in customer arrears relief for electric and gas residential customers with the most need. PG&E worked in a coalition to secure this appropriation with the passage of AB 205, extending the California Arrearage Payment Program. This action brought about \$188.5 million in debt relief to our residential customers facing mounting utility debt as they weathered the pandemic.

We also supported the California Energy Commission's 2022 Integrated Energy Policy Report Update, which focused on equity, environmental justice, and improved inclusion of tribes in the state's energy planning processes.

California Modifies Net Energy Metering



Rooftop solar continues to play a significant role in California's clean energy future, and PG&E continues to support the hundreds of thousands of customers who have made the important choice to go solar.

In 2022, the CPUC issued a decision to modify the state's Net Energy Metering (NEM) solar program. This program helps customers reduce their monthly electric bill with the energy generated by their own rooftop solar energy system. A special net meter measures the difference between the amount of electricity the customer's system generates throughout the month and the amount of electricity PG&E supplies to them.

- The new solar billing program encourages the continued growth of rooftop solar and incentivizes customers to add solar battery storage to help make the state's electric grid more sustainable and reliable.
- The new program will reduce the subsidy solar customers receive by, in large part, reducing the bill credits for exported solar energy to avoided cost levels for new customers who submit an application after April 14, 2023.
- For new non-CARE customers interconnecting under the new solar billing program, the subsidy is reduced by about 60% for standalone solar and about 45% for solar paired with storage. The decision also reduced the subsidy for new commercial customers interconnecting under the new program by about 35%.

For PG&E's existing solar customers, the decision will have no impact on how they are compensated for excess solar energy sent back to the grid during their existing 20-year legacy period.

Public Policy Issues at the Federal Level

We support federal policies that promote smarter energy infrastructure, including making the power grid and natural gas delivery system more dynamic, resilient, and secure for all. Through these efforts, we are providing customers with solutions to meet their energy needs and goals.

In 2022, the right federal policies—coupled with smart regulation—helped to accelerate this transformation by facilitating further investment to address the growing threat of extreme weather and wildfires, innovation and clean energy, infrastructure modernization and expansion, and ensuring financial resources remained available to customers struggling to pay their utility bills.

PG&E engaged with federal agencies, trade organizations, and others to advocate for sound implementation of both the Inflation Reduction Act (IRA) and the 2021 Infrastructure Investment and Jobs Act (IIJA):

- **IRA:** This measure, signed into law in 2022, includes provisions on deficit-reduction including corporate tax increases, \$369 billion in energy security and climate spending, and healthcare-related measures. The legislation also includes significant extensions and additions of a host of tax incentives pertaining to clean energy, energy efficiency, clean transportation, and advanced manufacturing. PG&E supports the climate and clean energy portions of this new law as it will help hasten the clean energy transition and lower costs for our customers.
- **IIJA:** PG&E submitted applications and concept papers for numerous grant opportunities arising from the IIJA. Of note, PG&E was successful in being conditionally awarded credits valued at up to \$1.1 billion from the U.S. Department of Energy's Civil Nuclear Credit program. This award creates a pathway for our Diablo Canyon Power Plant to continue operation beyond the prior dates of decommission. PG&E expects to submit additional applications throughout 2023.

PG&E worked to deliver for our hometowns by supporting increased financial resources to protect struggling American families, while ensuring these funds were distributed expeditiously in California. The federal government provided significant assistance to individuals struggling to pay their utility bills by funding—at unprecedented levels—the Low Income Home Energy Assistance Program (LIHEAP), an important American energy safety net.

Other areas of focus at the federal level include:

- **Infrastructure Modernization:** PG&E engages federal policymakers about creating the grid of the future in a reliable manner, while adapting to the increasing risks that climate change, wildfires, and cyber threats pose to our system.
- **Racial Equity:** PG&E places a high value on diversity, equity, inclusion, and belonging, and these values shape our policy advocacy.
- **Clean Energy and Carbon Reduction Policy:** PG&E is committed to policies that meet ambitious environmental goals, while remaining affordable, adaptable, and compatible with existing local and state programs.
- **Expansion of Public-Private Partnerships:** PG&E supports public-private partnerships between key federal agencies and utility providers which aim to ensure that the nation's energy system operates as safely and effectively as possible.

Political Contributions

In 2022, PG&E-affiliated employee PACs (PG&E Corporation Employee EnergyPAC and Pacific Gas and Electric Company State and Local PAC) made contributions of \$448,500 at the federal level. PG&E-affiliated employee PACs did not make any contributions at the state or local levels. PG&E contributed \$2,899,038 to state and local political candidates, ballot measures, political parties, and other committees. Our annual political contributions are publicly reported on PG&E Corporation's website.

Political Contributions, 2022

PG&E Corporation Employee Federal PAC Contributions

U.S. House	\$174,000
U.S. Senate	\$37,000
Other Federal PACs and Committees	\$237,500
Total	\$448,500

Pacific Gas and Electric Company Employee State and Local PAC Contributions

Total	\$0
--------------	------------

Corporate Campaign Contributions

Total Corporate Contributions to Candidates	\$399,038
Total Corporate Contributions to Other Committees	\$2,500,000
Total	\$2,899,038

PG&E also discloses its policies and procedures regarding its lobbying activities and trade association payments, including the portions of any annual trade association membership dues over \$50,000, to the extent those dues are used for lobbying purposes.

Trade Association Dues, 2022¹

Portion of Dues That Were Nondeductible

Total	\$599,784
--------------	------------------

1. Represents the portion of membership dues to trade associations that was nondeductible under Section 162(e)(1) of the Internal Revenue Code. Includes trade associations that received annual membership dues over \$50,000. The reported amount is based on information provided by the trade associations to PG&E Corporation and Pacific Gas and Electric Company.



People

We are resolute in our commitment to prevent catastrophic wildfires and protect the safety of our customers and coworkers. This commitment to safety extends to all of our operations.

We're working to foster an engaged, well-trained, diverse, and equitably paid workforce. We attract and retain coworkers with stable and benefits-paying jobs, professional development, and growth opportunities paired with our focus on health, wellness, and joy at work. We want our coworkers to feel known, loved, and proud.

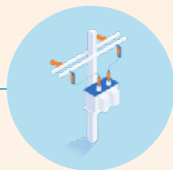
2022 Highlights



Strengthening our Safety Culture

480+

Met our major wildfire mitigation plan commitments, including hardening over 480 miles of powerlines.



19%

Improved our coworker safety performance, including a 19% decrease in our OSHA recordable rate compared to 2021.



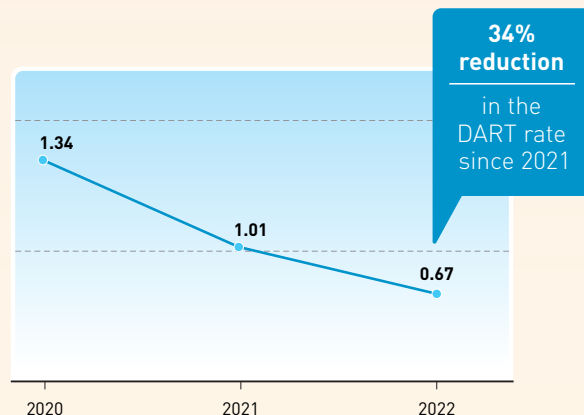
175+

Hosted over 175 training workshops to better prepare firefighters, police, public works officials, and other authorities to respond to emergencies involving electricity and natural gas.



DART Performance

We've seen improvement in reduced workplace injuries.

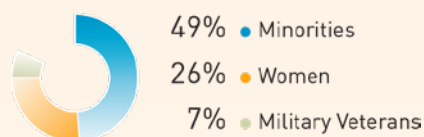


Notes: Refers to Days Away Restricted and Transferred (DART) rate.

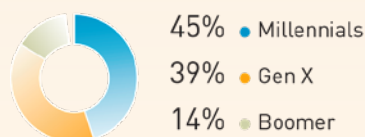


Enhancing Diversity, Equity, Inclusion, and Belonging

Our workforce offers diverse perspectives

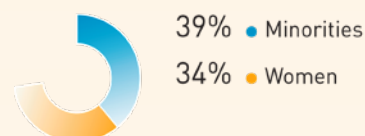


Our coworkers represent five generations, most of whom are Millennials, Gen X, and Boomers¹

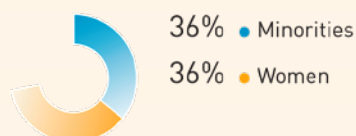


Racial and Gender Diversity²

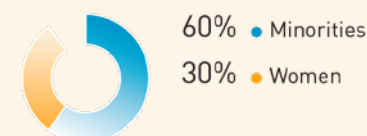
Among our middle management



Among our executives and senior management



Among PG&E Corporation's executive officers



1. Generational data refers to "Millennials" for individuals born between 1981 and 1996, "Gen X" between 1965 and 1980, and "Boomers" between 1946 and 1964.

2. Women are included in both categories.

We continued to earn top-tier recognition for our commitment, including rankings from the Human Rights Campaign, Disability Equality Index, and National LGBT Chamber of Commerce and Partners in the National Business Inclusion Consortium.



Workforce Safety

Our commitment to safety is unwavering. We are building an organization where every work activity is designed to facilitate safe working conditions, and every member of our workforce is encouraged to speak up if they see an unsafe or at-risk condition with confidence that their concerns and ideas will be heard and addressed.

Workforce Safety Strategy

Our True North Strategy sets our 10-year enterprise strategy toward achieving our purpose and delivering improved safety outcomes. Our 2023 Safety Plan captures the safety components of this strategy and includes workforce (coworker and contractor), public, and process safety.

In addition to deploying the PG&E Safety Excellence Management System (PSEMS), we are focusing on strategic programs to address the highest health and safety risks, which include:

- Organizational Culture and Safety Mindset
- Contractor Safety
- Serious Injuries and Fatalities (SIF)
- Transportation Safety
- Coworker Fatigue
- Ergonomics
- Personal Safety

We also continue to take a multifaceted approach to protect the safety of the public through our operations. These public safety efforts—which involve numerous departments and coworkers—include vegetation management, electric grid sectionalizing, process safety for gas and electric operations, and asset management.

Safety Governance and Leadership

We are committed to significantly improving our safety performance by strengthening our risk-based focus, so we understand our risks, prioritize our work, and use controls to reduce them and continuously measure and improve risk reductions.

We have separated our Chief Safety and Risk Officer (CSRO) role into a Chief Safety Officer (CSO) and a Chief Risk Officer (CRO). The Chief Safety Officer reports to the Executive Vice President, Operations and Chief Operating Officer (COO), which enables the synergies and visibility necessary for our enterprise safety organization and operational teams to execute our workforce safety strategy. The CRO reports to the Chief Financial Officer (CFO). Additionally, the CSO and CRO meet with and report to the Safety and Nuclear Oversight Committees of the Boards of Directors.



Board Governance

The Safety and Nuclear Oversight (SNO) Committees of the PG&E Corporation and Pacific Gas and Electric Company (Utility) Boards oversee matters relating to safety, risk, wildfire safety, and operational performance. The SNO Committees receive regular safety reports from management that include performance metrics, reporting on serious incidents, and actions to improve workforce, customer, and public safety. Areas of focus for the SNO Committees include:

- Safety programs, promotion of safety culture, and long-term and short-term safety plans
- Wildfire risk reduction and performance against the wildfire safety commitments made by the Utility
- Operational performance and risks related to the Utility's nuclear, generation, and gas and electric transmission and distribution facilities
- Cybersecurity

Management

Within management, responsibility for safety is shared by our teams. This approach is strategic, practical, and founded upon the best practices of the industry, recognizing that the hazards within each team may be different. We believe that the people closest to the work know the most about the inherent risk associated with performing it. Encouraging our coworkers to speak up helps us to better understand and address those risks.

Our Lean Operating System includes daily, weekly, and monthly operating reviews at every level of the organization, which improves our ability to identify and resolve safety concerns.

PG&E has also implemented a Regional Service Model to better address local issues and incorporate the needs and concerns of our customers into operating decisions. This includes a regional field safety organization led by five Regional Safety Directors, who advise and support our functional groups as they implement health and safety programs with a focus on:

- Improving our organizational culture and safety mindset
- Identifying hazards to reduce risk exposure

- Observing and inspecting safety practices
- Investigating safety incidents
- Conducting safety tailboards and training
- Preparing for and responding to emergencies

Grassroots safety teams consisting of frontline coworkers also share ideas and partner to develop effective solutions to reinforce a strong and proactive safety culture.

Contractor Safety

A key area of our workforce safety strategy involves strengthening contractor safety.

We value our contractors and are working to operationalize a shared commitment to public and workforce safety. PG&E contractors and subcontractors include roughly 42,000 individuals from approximately 1,200 contractor companies, supporting PG&E's diverse work activities.



PG&E is evolving to a multi-pronged approach to contractor safety, which includes targeted evaluations for existing high-risk contractors and overall programmatic improvements. By focusing on shared work and pursuing a common goal with our contractor partners and coworkers alike, we are developing integrated solutions as part of a comprehensive safety program and a unified partnership.

Our Contractor Safety Program requires contractors performing medium- or high-risk work to meet prequalification requirements to perform work for or on behalf of PG&E. Our Contractor Safety Standard and associated contractor safety oversight procedures set requirements for managing contract work, including procedural steps for each team. These procedures include providing post-job safety performance evaluations of contractor work and sharing lessons learned resulting from safety incidents.

Contractors who perform medium- or high-risk work must notify PG&E of all SIF events—both potential and actual. Contractors investigate SIF-potential and SIF-actual events with support from PG&E to increase our learning from all types of serious incidents.

2022 Milestones

Organizational Culture and Safety Mindset	• Worked to design an Enterprise Leadership Development Program—launched in 2023—which includes safety leadership training and an enterprise-wide safety recognition program. • Implemented new strategies to build a stronger safety culture within gas engineering and operations and are exploring how to expand what we learned across the enterprise.
PG&E Safety Excellence Management System (PSEMS)	• Developed our PSEMS Implementation Roadmap and a corresponding manual to help our coworkers implement the system. PSEMS is a framework that integrates existing systems such as those related to emergency preparedness and response, corrective action, records management, and the Lean Operating System. • Built our existing ISO 55001 certified Asset Management System and added requirements from the ISO 45001 OSHA Standard and the API 1173 Pipeline Safety Management System Standard.
Contractor Safety	• Strengthened the contractor onboarding process. • Implemented a comprehensive contractor safety quality assurance review process for our high-risk contract partners, resulting in a 65% reduction in human performance incidents and no SIF incidents with our most at-risk contractors. • Improved our contractor safety performance evaluation process to ensure all of our prime subcontractors are properly assessed, and appropriate mitigations are implemented. • Developed an enterprise-wide contractor safety stand down process.
Serious Injuries and Fatalities	• Continued to improve and leverage insights from safety observations of our coworkers and contract partners: • Enterprise wide, we completed nearly 58,000 safety observations. • With our contract partners, we completed more than 91,500 safety observations. • Focused on improving the effectiveness of how we review the corrective actions for SIF incidents. This included reviewing hundreds of past corrective actions to prevent recurrence. • Improved the timeliness and clarity of our SIF incident communications within PG&E.
Transportation Safety	• Used a mobile app to enable coworkers to document 360-degree safety walkarounds of their vehicles; coworkers recorded over 975,000 walkarounds. • Installed cell phone blocking technology within our vehicles to reduce preventable motor vehicle incidents. The system suppressed thousands of inbound texts and calls while our teams travelled on the road. • Actively engaged with our contractors on driving safety—developing a Contractor Motor Vehicle Driving Safety Standard and reviewing more than 250 contractor motor vehicle incidents for SIF potential.
Coworker Fatigue	• Piloted a new technology to evaluate coworker alertness levels and proactively identify fatigue concerns. We installed over 430 in-cab camera systems within our vehicles and, through the pilot, saw a significant reduction in distracted driving and tailgating events.
Ergonomics and Preventing Injuries	• Focused on preventing musculoskeletal injuries through education and rapid response to discomfort cases and workstation evaluations: • We provided ergonomics coaching to high-risk office coworkers identified by our machine learning predictive model. We also developed new self-help resources to support workers returning to the office. • Deployed industrial athlete specialists to provide field-based coworkers with education and early symptom intervention to avoid injuries. We increased the number of specialists, including dedicated support for our training academies, and delivered training for nearly 2,000 electric operations coworkers on safe lifting, pushing, and pulling. • Leveraged motion-capture technology to collect data on high-risk tasks and determine best practices to improve field coworker ergonomics.
Personal Safety in the Field	• Formed an Incident Management Team to establish best practices for coworker personal safety in the field and consolidated our learnings into a playbook. • Developed resources, standards, and mitigations for this important area, including a stand down process.

Measuring Progress

Tragically in 2022, one coworker and two team members from our contractor workforce lost their lives while working for PG&E and another four (two coworkers and two contractors) sustained serious injuries. No one should lose their life or sustain a serious injury while at work.

We saw promising signs of progress by ending 2022 with a 34% reduction in our DART rate and a 19% decrease in the OSHA recordable rate compared to 2021. We also saw improvement in our contractor DART and OSHA recordable rates.

The data below provides PG&E employee safety statistics for 2020 through 2022:

Employee Safety Statistics

	2020	2021	2022
OSHA Recordable Rate¹	2.21	1.97	1.59
DART Rate²	1.34	1.01	0.67
Serious Injuries and Fatalities Rate³	0.02	0.00	0.01
Serious Injuries and Fatalities Count⁴	4	0	3
Timely Reporting of Injuries⁵	67.2%	70.6%	85.6%

1. The OSHA Recordable Rate measures how frequently OSHA recordable occupational injuries and illnesses occur for every 200,000 hours worked, or for approximately every 100 employees.

2. The DART Rate measures how frequently DART cases (injuries that result in days away, restricted or transferred duty) occur for every 200,000 hours worked, or for approximately every 100 employees.

3. The SIF rate measures how frequently SIF events occur for every 200,000 hours worked, or for approximately every 100 employees. A SIF event includes fatalities, life threatening injuries, and life altering injuries.

4. The SIF actual count includes fatalities, life threatening injuries, and life altering injuries.

5. Timely Reporting of Injuries is the percentage of work-related injuries reported to our 24/7 Nurse Care Line within one day of the incident, and for cumulative injuries, within one day of symptoms impacting work.

Although the total DART rate for contractors decreased by 9% over the prior year, there were a significant number of SIF incidents related to vegetation management and electric construction work. To address this, we analyzed the performance and are creating management plans for high-risk work.

The data below provides PG&E contractor safety statistics for 2020 through 2022:

Contractor Safety Statistics

	2020	2021	2022
OSHA Recordable Rate¹	0.81	0.60	0.52
DART Rate²	0.42	0.32	0.29
Serious Injuries and Fatalities Rate³	0.032	0.020	0.012
Serious Injuries and Fatalities Count⁴	8	6	4

1. The OSHA Recordable Rate measures how frequently OSHA recordable occupational injuries and illnesses occur for every 200,000 hours worked, or for approximately every 100 contractor employees.

2. The DART Rate measures how frequently DART cases (injuries that result in days away, restricted or transferred duty) occur for every 200,000 hours worked, or for approximately every 100 contractor employees.

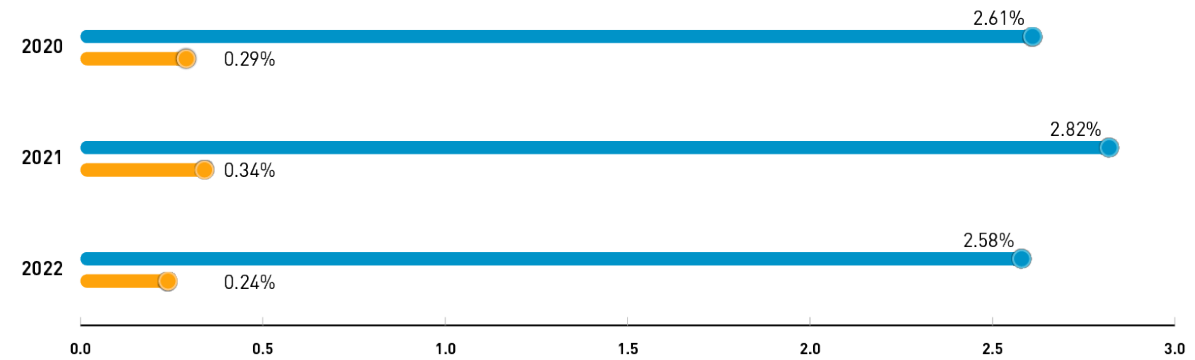
3. The SIF rate measures how frequently SIF events occur for every 200,000 hours worked, or for approximately every 100 contractor employees. A SIF event includes fatalities, life threatening injuries, and life altering injuries.

4. The SIF actual count includes fatalities, life-threatening injuries, and life altering injuries.

We saw a decrease in employee motor vehicle safety statistics, with a 12% decrease in preventable motor vehicle incident rates (PMVI) and a 9% drop in serious PMVI rates compared to 2021.

The following table provides employee motor vehicle safety statistics for 2020 through 2022:

Motor Vehicle Safety Statistics



- Preventable Motor Vehicle Incidents Rate
- Serious Preventable Motor Vehicle Incidents Rate

1. The PMVI rate measures how frequently drivers have an incident that could have been reasonably avoided per 1 million miles driven.
2. The serious PMVI rate measures preventable incidents that resulted in any party needing treatment away from the scene, any vehicle being towed, or \$5,000 in damage to a PG&E vehicle. The rate is measured per 1 million miles driven.

PG&E also actively tracks several leading indicators that can inform adjustments that need to be made before a potential incident occurs. These measures will help us more deeply embed safety in our operations and to encourage coworkers to speak up. They include:

- Overdue SIF-related corrective actions
- Timely reporting of injuries through our Nurse Care Line
- Safe Driving Rate measuring hard braking and hard acceleration behavior in PG&E motor vehicles



Public Safety

At PG&E, we continue to prioritize safety, and the necessary steps and actions that must be taken to make the energy system safer. Our work to keep the public safe ranges from comprehensive programs to train our workforce to investments in our gas and electric infrastructure to expanding our efforts to reduce wildfire risks.

Our Approach

Embedding Safety in Our Operations

Our Workforce Safety Strategy encompasses many ways to make our operations safe, including training, daily safety tailboards, updates to safety protocols and programs, safety observers in the field, and a robust SIF program that evaluates the root causes of accidents and near misses and provides corrective actions to prevent them from happening again.

We take a multifaceted approach to protect the safety of the public through our operations:

- **Electric Operations:** Includes efforts to harden our infrastructure, modernize the grid, and execute our Community Wildfire Safety Program to continue to mitigate the risk of our equipment igniting fires.
- **Gas Operations:** Includes achieving and maintaining best-in-class asset management certifications, meeting all compliance standards, and maintaining rigorous pipeline safety management systems.
- **Power Generation:** Includes safely operating the Diablo Canyon Power Plant and our natural gas-fired generation facilities and continuing to inspect and maintain our hydroelectric system according to strict safety guidelines.

Community Wildfire Safety Program

The fire season in California is starting earlier and ending later than the historic norm due to climate change, and fires are becoming larger and spreading faster. Our wildfire safety program is evolving each year to reflect lessons learned and incorporate new information.

In 2022, we achieved and exceeded the goals of our Wildfire Mitigation Plan, including undergrounding 180 miles of powerlines, hardening 483 miles of our system, and expanding our network of weather stations and high-definition cameras.

Reducing Wildfire Risk for Customers Through Safety Settings

Enhanced Powerline Safety Settings (EPSS) automatically turn off power within one-tenth of a second if the system detects a problem that could cause an ignition. By stopping ignitions, we help prevent wildfires from starting in high fire-risk areas. And, if ignitions do occur, the size of fires are significantly smaller thanks to EPSS.



This technology is protecting lives, homes, public health, and the environment. In total, approximately 44,300 line-miles and 1.8 million customers are now EPSS protected.

While the vast majority of customers protected by EPSS saw little to no outage activity in 2022, some did see outages. We do not take the decision to use safety settings lightly. We conduct daily analysis to determine wildfire risk and whether safety settings are needed to protect customers. If conditions do not meet the need, EPSS is disabled to prevent unnecessary outages. We are committed to further reducing the customer impact of outages.

Highlights from 2022:

- 99% decrease in acres impacted by fires despite increasingly dry conditions¹
- 68% reduction in ignitions on EPSS-enabled powerlines²
- 56% reduction in average EPSS outage length and 20% reduction in the number of customers affected by each EPSS outage

1. As measured by fire size from electric distribution equipment (compared to the 2018-2020 average)

2. CPUC-reportable ignitions in High Fire-Threat Districts on distribution powerlines (compared to the weather-normalized 2018-2020 average)

Gas Safety

Our 2023 Gas Safety Plan demonstrates PG&E's commitment and progress in implementing processes, programs, and procedures to keep our hometowns safe. Our plan outlines the work we accomplished in 2022 including:

- How we've implemented a new process for goal setting focusing on the Lean Operating System framework of safety, quality, delivery, cost, and morale
- How we've recorded the lowest third-party dig-in rate since PG&E has tracked this metric starting in 2010

Emergency Preparedness and Response

To prepare for major weather events and natural disasters—earthquakes, wildfires, floods, heavy winds, and blizzards—PG&E relies upon our enterprise-wide Emergency Preparedness and Response (EP&R) organization. We continually review and strengthen our catastrophic emergency response plans to maintain:

- Clearly defined organizational structures, roles, and responsibilities
- Restoration priorities that incorporate community needs to help customers get back to normal

- Effective logistics plans that support restoration needs
- Technology that is ready and available to support our response
- Employees who are trained and fully understand their emergency roles
- Employees who are personally prepared for emergencies and ready to respond at home and at work

In 2022, under the direction of EP&R, PG&E activated our Emergency Operations Center to coordinate our activities during multiple events, including winter storms, extreme heat and capacity shortage events, and an earthquake in Humboldt County.

In an emergency situation, we coordinate and communicate with police, fire, and other officials in an effort to keep the public and first responders safe. PG&E maintains a secure First Responder website, where emergency officials can access training materials and infrastructure information and maps.

Cyber and Physical Security

PG&E operates infrastructure that has been deemed critical to our national and economic security. As such, we are firmly committed to working with other gas and electric providers, other essential industries, and government officials to develop and implement state-of-the-art security strategies and best practices.

PG&E's Enterprise Protection organization demonstrates our commitment to addressing evolving threats and complex cyber and physical security risks. We seek to continually improve our services through strategic deployment of our resources, standardizing security practices and policies, and reinforcing and promoting security awareness across the enterprise.

Our Enterprise Protection organization leads our efforts to detect, monitor, and respond to cybersecurity threats and attacks. To test and refine our ability to respond to threat scenarios, we hold an enterprise-wide training exercise each fall and participate in the national GridEx grid security cyber exercise every other year.

As PG&E's technological footprint expands, the need to protect our people, assets, and information from attacks becomes even more essential. We have made investments in key areas to modernize the security infrastructure and to build service capability, providing the security team with the tools they need to manage challenges to our critical infrastructure. As part of this commitment, PG&E participates in the Cybersecurity Risk Information Sharing Program, which is a threat monitoring and intelligence sharing program sponsored by the U.S. Department of Energy.

Once risks are identified and prioritized, we develop mitigation plans to protect the enterprise and reduce risk. The approach includes continually evolving our capabilities to address tactics used by our adversaries amid a changing technology landscape. PG&E has around-the-clock centralized security monitoring operations for threat detection, situational awareness, incident management, and emergency response to proactively defend PG&E from both cyber and physical threats.

2022 Milestones

Emergency Preparedness and Response

- **Maintained our Hazard Awareness and Warning Center year-round** with its expanded scope and capabilities to monitor for a wider range of natural disasters and emergencies.

- **Saw regular use at our Vacaville Emergency Response Center**, a 30,000-square-foot facility with redundant power and telecom infrastructure.
- **Hosted more than 175 training workshops** to better prepare firefighters, police, public works officials, and other authorities to respond to emergencies involving electricity and natural gas. We also met with more than 350 local fire entities to address contingency planning for gas-related events.
- **PG&E and The PG&E Corporation Foundation provided a total of \$1.4 million** to the California Fire Foundation's Wildfire Safety and Preparedness Program.

Public Safety Awareness

- **Expanded our Safety Action Center**, a dedicated safety webpage featuring information about wildfire risks and what customers can do to keep their home, family, or business safe. Launched in 2019, it has reached more than 2.6 million Californians and includes the 7 Saturdays to a More Fire-Resistant Home video series.
- **Encouraged customers and contractors to call 811 before digging**, the best safeguard and the first line of defense to preventing strikes on underground utility lines. Special focus came during Safe Digging Month (April) and on 811 day (August 11).
- **Emphasized safety around downed powerlines** by providing safety tips online and through a public advertising campaign and social-media posts.
- **Maintained a standalone cloud-based website specifically for emergencies**, including PSPS content and tools for easier usability for customers.
- **Promoted public safety around PG&E waterways**, including dam safety and encouraging customers to take extra precautions around hydroelectric facilities and dams, where water flows can change rapidly.
- **Took a stand against scams** as part of the Utilities United Against Scams, a consortium of more than 100 U.S. and Canadian energy companies.

Measuring Progress

PG&E tracks our public safety performance via a PG&E tracks our public safety performance via a set of public safety metrics with the aim of continuous improvement.

In 2022, customer welfare—prioritizing public and workforce safety—represented 75% of management's annual at-risk performance-based pay. Financial stability was weighted at 25%. This breakdown was continued in 2023.



Diversity, Equity, Inclusion & Belonging

At PG&E, we're committed to fostering a culture where diversity, equity, inclusion, and belonging (DEIB) are fundamental to our work. This includes helping ensure that our coworkers always feel safe on the job, that their voices and ideas are heard, and that everyone experiences a sense of belonging and can bring their whole selves to work at PG&E. We also remain focused on representing the broad diversity of the communities we serve.

PG&E has been leading on DEIB for almost two decades:

- We've embraced transparency by publishing our workforce demographics since 2003
- We've made it foundational to our leadership development since 2006 through our new hire onboarding and training for those new to leadership
- PG&E Corporation was the first in our industry to achieve 100% in the Human Rights Campaign's Corporate Equality Index and has continued to earn a 100% score for 18 consecutive years
- PG&E Corporation was the first in the Fortune 500 with a Latina CEO

Our Approach

PG&E's efforts to foster a diverse, equitable, and inclusive culture and workforce are led by the Vice President, Chief Talent, Culture, and Inclusion Officer at Pacific Gas and Electric Company, with support from the senior leadership team.

The People and Compensation Committee of PG&E Corporation's Board of Directors reviews our DEIB practices and progress. This oversight helps ensure that our principles are embedded throughout the lifecycle of our talent management programs.

Key elements of our approach include engaging coworkers from day one, emphasizing the importance of DEIB through our onboarding and leadership development courses, and mentoring and targeted coworker development for diverse talent. In addition, our Employee Networks continue to be at the forefront of PG&E's efforts, as they have been for 50 years.

Coworker Experience

From day one at PG&E, we ground all coworkers in our commitment to and definitions of DEIB at new hire orientation. In 2022, we added the term “belonging” to our approach, to describe our values more fully:

- **Diversity** is characterized by all the ways in which we are different. It’s present in our job functions, work styles, experiences, and ideas. Diversity cultivates new perspectives and innovation, which enable us to better serve our customers, fellow coworkers, and shareholders.
- **Equity** seeks to provide fair treatment, access, opportunity, and advancement for all people, while at the same time identifying and eliminating barriers that have prevented the full participation of some groups.
- **Inclusion** is the process of leveraging the power of our coworkers’ individual uniqueness to achieve our business strategies and goals, be better corporate citizens, and be the best in the industry.
- **Belonging** means coworkers feel seen for their unique contributions, connected to coworkers and leaders, supported in their daily work and professional growth, and are proud of our purpose, virtues, and stands.

Employee Networks

PG&E’s Employee Networks date back five decades and, today, consist of Employee Resource Groups (ERGs) and Engineering Network Groups (ENGs) that help promote our business objectives and support a culture of DEIB by:

- Supporting an environment of inclusion and belonging that values and respects diversity in our workforce
- Promoting positive relationships with the hometowns and customers we serve

These networks help create an environment where every coworker can feel welcome and contribute to our overall business success. They assist in welcoming and mentoring new and existing coworkers, provide professional and career workshops, host social networking events, help recruit our future workforce, and offer community support through volunteerism, scholarships, customer education, and an environment for collaboration.

ERG and ENG members come from every level and job function and participate across 27 chapters throughout our service area. Forty percent of all ERG and ENG members belong to more than one group. This provides an opportunity for allyship among the different groups and communities represented. Nearly half of PG&E’s officers are executive sponsors, each of whom serves as an advisor and mentor—providing strategic guidance to align strategy and action plans to the needs of the business.

Each year, our ERGs and ENGs support community organizations through charitable contributions and volunteerism. While these groups began as grassroots organizations, they’ve evolved into groups that create awareness and educate our workforce about culture and experiences. In turn, they also serve as ambassadors for our DEIB efforts at PG&E.

PG&E Human Rights Policy



At PG&E, our purpose is to deliver for our hometowns, serve our planet, and lead with love. That includes demonstrating compassion and concern equity, inclusion, and belonging in a way that reflects the kaleidoscope of humanity in the communities we serve.

Our Commitment

We will conduct our business in a manner that respects the human rights of all—and in support of international human rights principles, such as those identified in the United Nations Universal Declaration of Human Rights and the United Nations Guiding Principles on Business and Human Rights.

Our Workforce

We strive for a workplace that respects individual differences, perspectives, and talents. We prohibit discrimination, harassment, abusive conduct, bullying and retaliation, and we work to ensure our policies, standards, and procedures reinforce this culture. Our Employee Code of Conduct helps to ensure that all employees understand the expectations and requirements for which we are accountable, and states:

- We treat our employees with dignity and provide them with safe and humane working conditions.
- We are committed to paying fair wages, salaries, and benefits.
- We do not participate in the exploitation of workers or use forced or involuntary labor, including human trafficking.
- We do not employ any person under the minimum legal age for employment as prescribed by the relevant local authority, or under the age for completing compulsory education, whichever is greater.
- We give all employees equal opportunities for jobs, skills training, and promotions.

Our Suppliers

We also expect our suppliers to know and uphold the human rights of all workers—whether temporary or contract employees, subcontractors, or sub-suppliers—and to treat all their workforce members with dignity and respect, providing them with safe and humane working conditions. PG&E details these expectations in our Supplier Code of Conduct.

Our Hometowns and Stakeholders

To meet our commitments, it is essential that we understand the needs, expectations, and priorities of our many stakeholders. PG&E seeks engagement across a broad spectrum of voices to help shape our thinking about how to deliver better outcomes for everyone we serve.

Guided by our Environmental and Social Justice Policy, we strive to strengthen our engagement and collaboration with disadvantaged and vulnerable communities—including environmental and social justice stakeholders—to ensure that the benefits and costs of our energy system are shared in an equitable way that leaves no one behind.

Through our engagement with tribal governments in California and nationally, PG&E also respects and partners with indigenous peoples and supports the principles identified in the United Nations Declaration on the Rights of Indigenous Peoples.

Reporting Concerns

Employees and suppliers can contact PG&E's Compliance & Ethics Helpline 24/7 at 1-888-231-2310, www.pgecorp.ethicspoint.com or ComplianceEthicsHelp@pge.com to request guidance or report violations of our Employee or Supplier Code of Conduct, accounting issues or illegal activity.

Additional Resources

- Employee Code of Conduct
- Supplier Code of Conduct
- Environmental and Social Justice Policy

2022 Milestones

- **Enhanced our hiring process by engaging ENGs** to help recruit and retain science, technology, engineering, and mathematics (STEM) talent at national conferences and educational institutions.
- **Awarded more than 150 scholarships**, totaling nearly \$260,000, through our ERGs and ENGs. The winners received awards ranging from \$1,000 to \$10,000 for exemplary scholastic achievement and community leadership.
- **Celebrated 10 Heritage and Celebration months**—reflecting the many cultures and populations of our workforce. This included Generations at Work, our most inclusive month covering the many generations that work at PG&E. To celebrate, ERGs held virtual events, highlighted members of their communities, and published articles to build awareness.
- **Continued our cross-generational mentoring program between two of our ENGs**, Nu Energy and Legacy ERG, to pair coworkers new to PG&E or the industry with more tenured coworkers to share experiences and business understanding.
- **Deployed a new bias awareness program.**
- **Added Juneteenth as a paid company holiday**, in line with its new state and federal recognition as a national holiday.
- **Continued open and transparent dialogues on DEIB led by our Strategic Allies Leading Transparency (SALT) Task Force.** In response to the civil unrest in the summer of 2020, this team of committed and engaged coworkers came together to help facilitate discussions on topics such as racism, privilege, civil unrest, protests, how to disagree better not less, and equity.

- **Human Rights Campaign:** Gave PG&E Corporation a score of 100% for the 18th consecutive year on the Corporate Equality Index. The Human Rights Campaign is the nation's largest civil rights organization working to achieve workplace equality for LGBTQ+ Americans. We also earned a spot in the "Best Places to Work for LGBTQ+ Equality 2022."
- **Forbes magazine:** Named Pacific Gas and Electric Company one of the 2022 Best Employers for Diversity.
- **Disability Equality Index:** Gave Pacific Gas and Electric Company a score of 100% on the 2022 Disability Equality Index for the eighth straight year and named us one of the "2022 Best Places to Work for Disability Inclusion." The index is compiled by Disability:IN and the American Association of People with Disabilities.
- **Seramount:** Our National Society of Black Engineers ENG president was recognized with the "Above and Beyond" Honorable Mention award for Affinity Group Leadership by Seramount, a leading organization promoting DEIB in the workplace.
- **Latina Style magazine:** Our Latino ERG was recognized with an honorable mention as ERG of the year by Latina Style Magazine for their leadership in support of Latino coworkers.

Measuring Progress

We continue to pursue diversity among leadership positions—supervisors and above—through a combination of external hiring, internal promotions, and lateral moves. In our recruiting process, we continue to increase our focus on diverse candidates and improve our interview and selection process. We report progress monthly and discuss organizational efforts in business process review sessions.

PG&E’s workforce statistics are provided below.

PG&E Workforce Demographics, 2020 – 2022

EEOC Category	2020	2021	2022
Women	27.0%	27.0%	26.0%
Officials and Managers	33.2%	33.8%	33.8%
Professionals	34.3%	34.4%	33.5%
Technicians	17.5%	17.5%	16.8%
Administrative Support Workers	72.3%	72.0%	70.7%
Craft Workers	2.7%	2.5%	2.3%
Operatives	2.7%	3.2%	2.6%
Laborers and Helpers	11.7%	10.0%	10.6%
Service Workers	6.0%	7.2%	7.6%
Ethnic Minorities	46.1%	47.5%	48.5%
Officials and Managers	35.3%	36.7%	38.9%
Professionals	46.9%	48.1%	48.5%
Technicians	46.6%	48.5%	50.6%
Administrative Support Workers	66.6%	67.5%	68.8%
Craft Workers	36.4%	38.2%	39.4%
Operatives	43.9%	44.0%	45.7%
Laborers and Helpers	57.6%	58.4%	61.7%
Service Workers	32.9%	34.7%	36.2%
Minority Groups			
American Indian or Alaskan Native	1.1%	1.1%	1.1%
Asian	14.4%	14.5%	14.3%
Black/African American	6.6%	6.6%	6.6%
Hispanic/Latino	19.7%	20.6%	21.7%
Native Hawaiian or Pacific Islander	0.7%	0.7%	0.8%
Two or more races	3.6%	3.9%	4.1%
Generations			
Generation Z (Birth year 1997-2012)	0.8%	1.5%	2.3%
Millennial (Birth year 1981-1996)	38.5%	41.8%	44.7%
Generation X (Birth year 1965-1980)	39.9%	39.2%	39.3%
Boomer (Birth year 1946-1964)	20.6%	17.3%	13.6%
Traditional (Birth year 1928-1945)	0.1%	0.1%	0.1%
Veterans and Individuals with Disabilities (IWD)			
U.S. Military Veterans	6.5%	7.2% ¹	7.1%
IWD	3.7%	8.1% ¹	7.5%

1. These populations were resurveyed in 2021, which may have resulted in an increase in results.

External Hires

	2021	2022
Total Hires	2,791	1,736
Hires by Gender		
Female	27.7%	21.6%
Male	72.3%	78.4%
Hires by Ethnicity		
American Indian or Alaskan Native	0.9%	1.3%
Asian	14.3%	10.5%
Black or African American	7.0%	6.3%
Hispanic/Latino	24.4%	32.0%
Native Hawaiian/Other Pacific Islander	1.1%	1.6%
Two or More Races	6.8%	5.9%
White	44.9%	41.8%
Veterans and IWD Hires		
U.S. Military Veterans	6.8%	8.2%
IWD	5.1%	4.6%

Promotions

	2021	2022
Total Promotions	3,122	2,689
Promotions by Gender		
Female	27.9%	25.0%
Male	72.1%	75.0%
Promotions by Ethnicity		
American Indian or Alaskan Native	0.9%	0.7%
Asian	14.6%	13.6%
Black or African American	5.1%	5.1%
Hispanic/Latino	20.7%	21.0%
Native Hawaiian/Other Pacific Islander	0.7%	0.4%
Two or More Races	5.2%	4.2%
White	52.9%	55.0%
Veterans and IWD Promotions		
U.S. Military Veterans	6.8%	6.6%
IWD	7.8%	5.6%

Turnover

	2021	2022
Total Separations	1,470	1,833
Total Turnover	5.9%	7.1%¹
Turnover by Gender		
Female	5.8%	8.4%
Male	5.9%	6.7%
Turnover by Ethnicity		
American Indian or Alaskan Native	4.2%	10.2%
Asian	5.5%	7.9%
Black or African American	5.7%	6.8%
Hispanic/Latino	4.1%	5.1%
Native Hawaiian/Other Pacific Islander	5.1%	3.6%
Two or More Races	5.0%	5.4%
White	6.6%	7.9%
Veterans and IWD Turnover		
U.S. Military Veterans	6.0%	8.8%
IWD	4.1%	11.1%

1. In 2022, PG&E experienced an increase in turnover due to a one-time program, which provided a financial incentive for coworkers in certain departments and job classifications who were retirement-eligible to voluntarily separate from the company.

Equal Employment Opportunity and Affirmative Action

PG&E is committed to maintaining a work environment that is free from any and all forms of unlawful discrimination, harassment, and retaliation. In accordance with federal and state laws, including the California Fair Employment and Housing Act, it is PG&E's policy to prohibit discrimination harassment and retaliation against any applicant, employee, unpaid intern, volunteer, vendor, contractor, customer, or client on the basis of race, color, national origin, ancestry, sex (which includes but is not limited to pregnancy, childbirth, breastfeeding, and medical conditions related to pregnancy, childbirth, or breastfeeding), sexual orientation, gender, gender identity, gender expression, transgender status, age, religion, religious creed, physical or mental disability, protected veteran status, medical condition, marital status, genetic information, military and veteran status, citizenship status, utilization of leaves of absence protected under state or federal law, any other reason prohibited by law, or any other factor that is not job-related.



Engaging Our Teams

We are committed to making PG&E a better place to work—empowering coworkers to speak up and share their ideas and concerns; learn and grow in their careers; maintain wellness in their work and personal lives; and connect with the communities where they live.

Our Approach

To better engage our people, we have both executive-level and coworker-led initiatives and programs:

- Our executive team meets regularly to discuss and evaluate the state of our talent, determine which programs are driving engagement and performance, and reinforce the specific skills, behaviors, and virtues we should cultivate in our current workforce and seek in future recruits.
- Approximately 6,000 coworkers participate in our Employee Networks, each of which contributes to building a culture of inclusion and belonging where our coworkers feel known, loved, and proud.

Nearly 65% of PG&E employees are covered by collective bargaining agreements with three labor unions: the International Brotherhood of Electrical Workers (IBEW) Local 1245, the Engineers and Scientists of California/International Federation of Professional and Technical Engineers (ESC/IFPTE) Local 20, and the Service Employees International Union (SEIU) United Service Workers West. Negotiated labor agreements with each union establish the compensation, benefits, and other terms and conditions of employment.

Health and Wellness

PG&E focuses on a prevention-first approach to improve coworker health by identifying and treating issues before they start. We believe in a comprehensive approach to wellness, which encompasses physical, emotional, and financial health, and we prioritize preventive efforts in all three areas. We also continue to follow best practices from the industry and our peers.



PG&E's health and wellness efforts include:

- PG&E's medical plan, and health and wellness programs, which provide comprehensive care and service options designed to promote the overall health of our workforce, including free preventive services.
- The Employee Assistance Program, which offers coworkers options to help them manage life's demands at work and at home, from confidential counseling to referrals for legal, financial, and other services.
- Our Peer Volunteer Program, which promotes a culture of openness, acceptance, and recovery, with PG&E coworkers who are in long-term recovery—from their own substance use disorder or that of a loved one—assisting others who need help.
- A wide range of services to help coworkers manage their finances and plan for the future, including free access to a financial advisor, life and accident insurance, a 401(k) plan, and retiree benefit plans.

Community Engagement

We also support our coworkers' efforts to engage with local nonprofit organizations that support our hometowns.

This includes offering opportunities for coworkers to volunteer and raise money for causes that are important to them, as well as to make personal charitable contributions that are matched up to \$1,000 per coworker or retiree per year by The PG&E Corporation Foundation.



2022 Milestones

Coworker Engagement

- **Led a yearly goal-setting process and conducted quarterly performance conversations between coworkers and supervisors** to increase the frequency and effectiveness of feedback and coaching. These discussions also supported and reinforced PG&E's speak-up and safety culture.
- **Offered virtual and in-person volunteer options for coworkers**, resulting in 1,400 volunteers participating in more than 70 community events.

Health and Wellness

- **Opened a new Wellness Center** near PG&E's new corporate headquarters in Oakland offering coworkers comprehensive primary care, work-related injury care, and additional wellness services such as chiropractic care, acupuncture, physical therapy, and wellness coaching. Two smaller field clinics reopened mid-year, bringing new expanded primary care services along with work-related injury care. The Diablo Canyon Power Plant onsite occupational health clinic continued to offer care for coworkers.
- **Integrated telemedicine into our health account plan for employees and their dependents** for physical and mental health, allowing members to virtually meet with a board-certified doctor, psychiatrist, or a licensed therapist from anywhere. We continued to provide emotional support services to employees and their dependents and also held daily mindfulness meditation sessions virtually for all coworkers. We also launched a mobile app based on cognitive behavioral therapy

techniques to support employees with social anxiety, depression, insomnia, substance use disorders, stress, anxiety, and worry.

- **Provided coworkers with challenges to promote physical activity, healthy habits, and good sleep,** using a vendor's wellness portal. We also provided free health coaching and tobacco cessation services, and health education webinars on a broad range of health topics to support coworker wellbeing. We continued to provide free annual health screenings to coworkers and made it easier to complete the screen at home.
- **Continued to provide a family support program for all employees** that offers childcare and elder care discounts, priority placement, and tutoring and testing discounts throughout California. Summer camps, extracurricular programs, and after-school day care are also offered in select areas.

Campaign for the Community

Campaign for the Community—PG&E's year-round coworker and retiree workplace giving program—raises money for qualifying 501(c)(3) organizations and eligible schools.

Coworkers and retirees can create their own fundraisers and donate directly to eligible organizations of their choice and receive matching contributions of up to \$1,000 each year.



Campaign for the Community

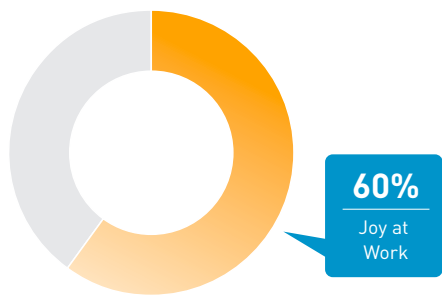
More than giving. Giving back.

In 2022, PG&E donors contributed \$6 million to more than 5,000 organizations. The PG&E Corporation Foundation matched an additional \$2.7 million. In addition, coworkers organized 106 fundraisers that contributed about \$250,000 from donations and matches to benefiting nonprofit organizations and schools, primarily in communities where PG&E coworkers live and work. Over the past 20 years, PG&E coworkers and retirees have contributed more than \$100 million in support to our communities.

Measuring Progress

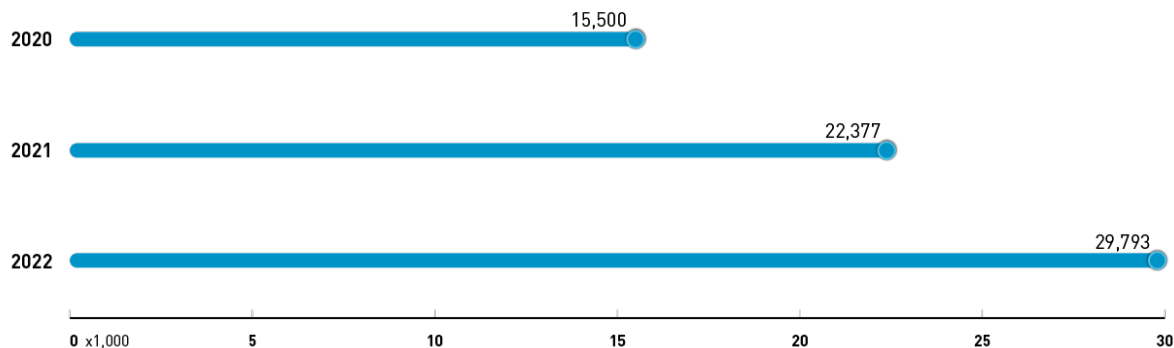
Launched in 2022, the Joy at Work survey is designed to help PG&E live our stands that it is enjoyable to work with and for PG&E and that everyone and everything is always safe. It includes the Joy Index, which is comprised of four questions: enjoying working for PG&E, feeling known at PG&E, feeling loved at PG&E, and feeling proud to work for PG&E.

2022 Joy at Work Coworker Survey Results



In 2022, coworkers contributed nearly 30,000 volunteer hours to nonprofit organizations throughout California.

Employee Volunteer Hours¹



1. Participation in volunteer activities was reduced in 2020 and 2021 due to COVID-19 restrictions.

Recognizing PG&E Champions

In 2022, we recognized nearly 60 individuals from teams and locations throughout our service area for their commitment to:

- Safety
- Community service
- Diversity, equity, inclusion, and belonging
- Innovation
- Environmental leadership
- Bravery
- Customer service



Planet

At PG&E, we recognize that this is a critical time for meaningful climate change action—and to make collective progress towards stabilizing the climate. Last year, we established a set of longer-term climate goals to guide our work in helping to transition California to a decarbonized and more climate-resilient economy. This section highlights our progress as we lay the foundation for our goal to achieve a climate- and nature-positive energy system by 2050.

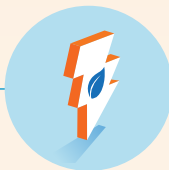
2022 Highlights



Clean and Reliable Energy

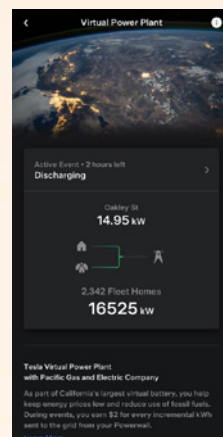
95%

Delivered clean electricity to customers that was 95% greenhouse-gas-emissions free, with nearly 40% from state-qualified renewable resources.



1,200

Added new battery storage capacity to the state's electric grid, now totaling 1,200 MW.



We partnered with Tesla Motors Inc.™ to deploy our first ever Virtual Power Plant pilot program for customers with behind-the-meter energy storage devices such as batteries.



Enabling Customer Solutions

~8 million

Helped customers avoid the emission of nearly 8 million lifecycle metric tons of carbon dioxide through our energy efficiency programs.



358

Enabled up to 358 MW of load reduction through our demand response programs, nearly 150 MW above the prior year.



V2H

Announced innovative vehicle-to-home (V2H) charging technology partnerships with GM and Ford, with the first vehicle-to-home installations planned in 2023.



PG&E is taking part in innovative bidirectional EV charging technology partnerships as part of a broader effort to reimagine the use of EVs as backup power sources for customers.



Reducing Our Carbon Footprint

1 million+

Exceeded our Million Ton Challenge, a voluntary goal to avoid one million tons of greenhouse gas emissions from our operations over five years (2018-2022).



24%

Reached 24% methane emissions reductions from our gas system relative to 2015—exceeding the state's 20% requirement two years early.

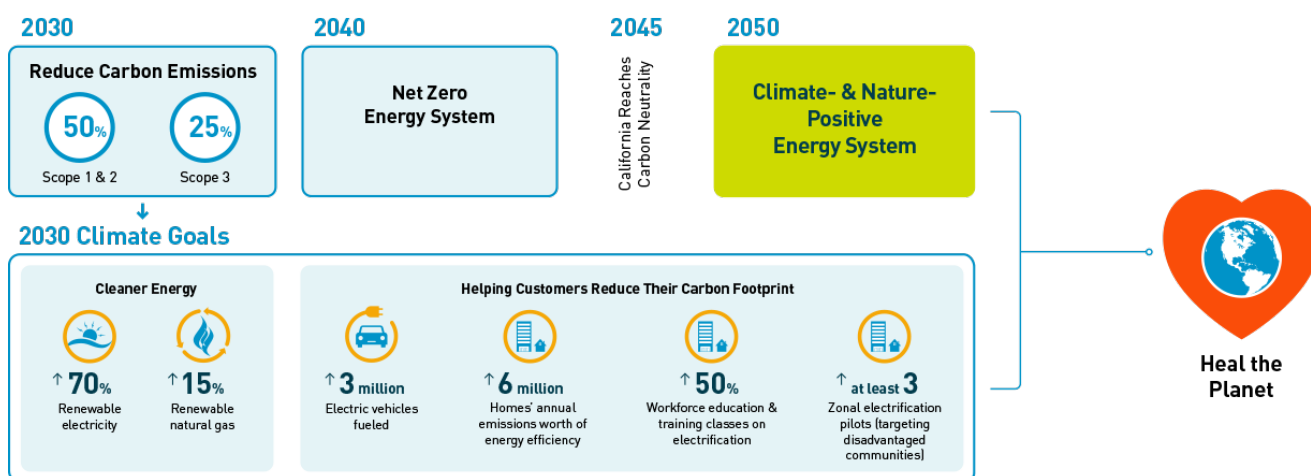


Our Climate Goals

We have committed to a set of longer-term climate goals, which reflect our plan to bring about a clean energy future in partnership with our customers and other stakeholders. Our comprehensive Climate Strategy Report serves as our guiding document and action plan as we work to achieve our goals.

Our Commitment: Helping to Heal the Planet

PG&E is committed to helping heal the planet through a pledge to achieve:



Notes:

Scope 1: Direct emissions from PG&E's operations.

Scope 2: Indirect emissions from facility electricity use and electric line losses.

Scope 3: Emissions resulting from value chain activities not owned or controlled by PG&E but that can be indirectly impacted by PG&E actions.

Scope 4: An emerging term for categorizing emission reductions enabled by a company. PG&E can make a significant contribution by enabling these emission reductions in our service area.

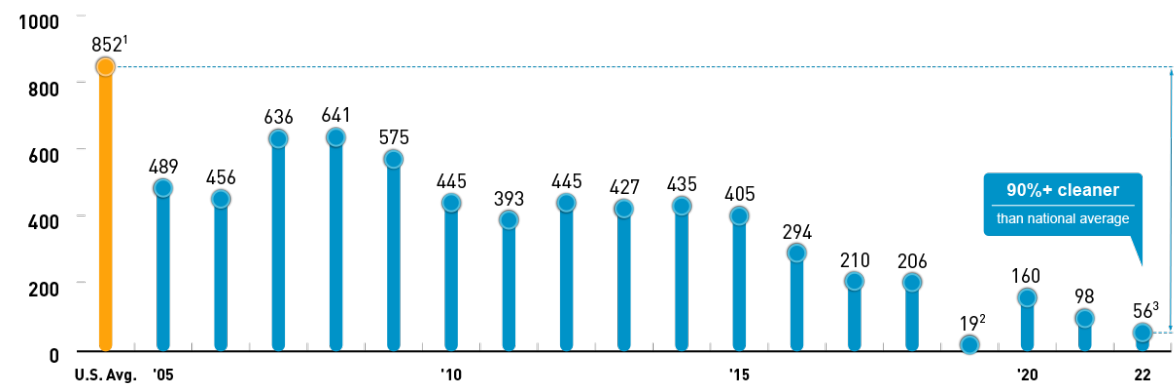
Progress to Date:

PG&E has a long history of measuring, independently verifying, and publicly reporting our Scope 1, 2, and 3 greenhouse gas emissions. Under mandatory reporting requirements, PG&E reports certain greenhouse gas emissions to the California Air Resources Board and the U.S. Environmental Protection Agency on an annual basis. On a voluntary basis, PG&E reports our annual corporate greenhouse gas emissions inventory with The Climate Registry, a nonprofit organization.

Clean Energy

PG&E delivers some of the nation’s cleanest energy. In 2022, the carbon dioxide (CO₂) emission rate for PG&E’s delivered electricity was more than 90% cleaner than the latest national average among energy providers. This preliminary emission rate is undergoing third-party verification.

Benchmarking Greenhouse Gas Emissions for Delivered Electricity
[Pounds of CO₂ per MWh]



1. Source: U.S. Environmental Protection Agency eGRID 2021.

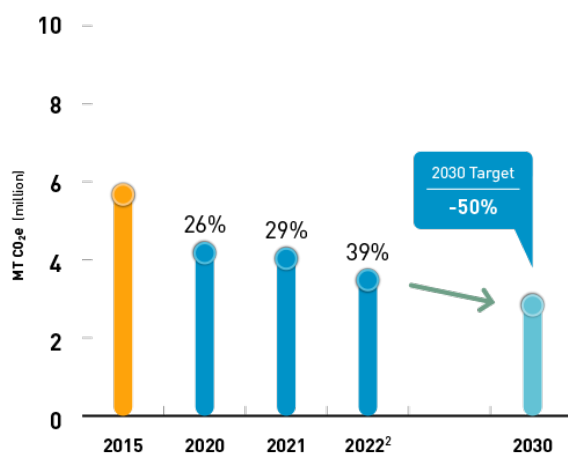
2. Beginning with our 2019 emissions reporting, PG&E has used the California Energy Commission’s (CEC) Power Source Disclosure program methodology to calculate the CO₂ emission rate associated with the electricity delivered to retail customers. This methodology differed from prior reporting years and may result in lower emissions rates.

3. Source: PG&E’s Power Source Disclosure Report, filed with the CEC in 2023. This figure is preliminary and is subject to an independent audit and verification for regulatory compliance. Additionally, the figure is pending verification as part of PG&E’s 2022 voluntary corporate greenhouse gas emissions inventory with The Climate Registry.

Emission Reduction Progress

PG&E's Scope 1 & 2 Goal: Reduce emissions by 50% from 2015 levels by 2030

(Million Metric Tons CO₂-e)¹

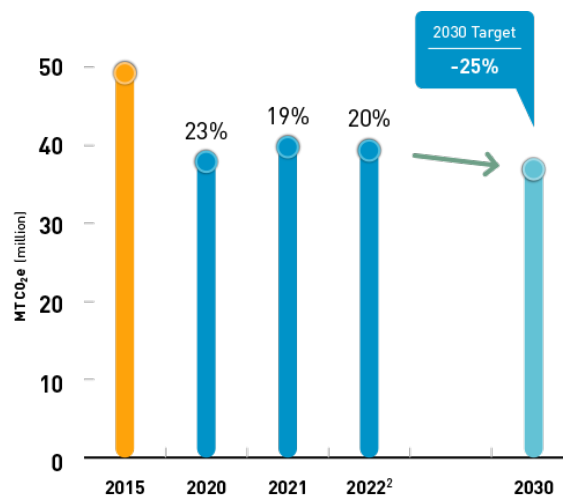


- Scope 1 & 2 emissions³
- % reduction from 2015

- Scope 1 emissions are direct emissions from PG&E's operations and Scope 2 emissions are indirect emissions from facility electricity use and electric line losses.
- PG&E's 2022 voluntary greenhouse gas emissions inventory is undergoing third-party verification before being finalized with The Climate Registry.
- PG&E utilized a leak-based emission methodology to calculate certain categories of natural gas process and fugitive emissions, following regulatory approval from the CPUC on the emission calculation methodology.

PG&E's Scope 3 Goal: Reduce emissions by 25% from 2015 levels by 2030

(Million Metric Tons CO₂-e)¹



- Scope 3 emissions^{3,4}
- % reduction from 2015

- Scope 3 emissions are emissions resulting from value chain activities not owned or controlled by PG&E but can be indirectly impacted by PG&E actions.
- PG&E's 2022 voluntary greenhouse gas emissions inventory is undergoing third-party verification before being finalized with The Climate Registry.
- Beginning with our 2019 emissions reporting, PG&E has used the CEC's Power Source Disclosure program methodology to calculate the CO₂ emissions associated with the electricity delivered to retail customers.
- PG&E has improved calculation methods for emissions from customer natural gas use by excluding PG&E-owned natural gas generators and natural gas compressor stations; these emissions are accounted for under Scope 1.

PG&E's Scope 1 Greenhouse Gas Emissions (Million Metric Tons CO₂-e)

	2020	2021	2022 ¹
Owned Fossil Generation	2.56	2.49	2.19
Process and Fugitive Emissions from Natural Gas System²	0.89	0.89	0.82
Gas Compressor Stations	0.29	0.30	0.25
SF₆ from Electrical Equipment	0.06	0.04	0.002 ³
Transportation	0.09	0.09	0.09
Facility Natural Gas Use	0.01	0.01	0.01
Total Scope 1 Greenhouse Gas Emissions	3.89	3.81	3.35

- PG&E's 2022 voluntary greenhouse gas emissions inventory is undergoing third-party verification before being finalized with The Climate Registry.
- PG&E utilized a leak-based emission methodology to calculate certain categories of natural gas process and fugitive emissions, following regulatory approval from the CPUC on the emission calculation methodology. This approach differs from prior years where a population-based approach was used. Using the prior, population-based methodology results in emissions totaling 1.53 million MT CO₂-e in 2020 and 1.54 million MT CO₂-e in 2021.
- PG&E's SF₆ emissions decreased significantly in 2022 as a result of enhanced calculation methods and improved operational processes to reduce leaks and manage the company's assets and inventory.

PG&E's Scope 2 Greenhouse Gas Emissions (Million Metric Tons CO₂-e)

	2020	2021	2022 ¹
Electricity Transmission and Distribution Line Losses	0.20	0.15	0.07
Facility Electricity Use	0.02	0.01	0.01
Total Scope 2 Greenhouse Gas Emissions	0.22	0.16	0.08

1. PG&E's 2022 voluntary greenhouse gas emissions inventory is undergoing third-party verification before being finalized with The Climate Registry.

PG&E's Scope 3 Greenhouse Gas Emissions (Million Metric Tons CO₂-e)

	2020	2021	2022 ¹
Purchased Electricity (Net) ²	1.35	0.78	0.44
Customer Natural Gas Use ³	35.97	38.39	38.31
Other Scope 3 emissions ⁴	0.01	0.004	0.004
Total Scope 3 Greenhouse Gas Emissions	37.33	39.17	38.75

1. PG&E's 2022 voluntary greenhouse gas emissions inventory is undergoing third-party verification before being finalized with The Climate Registry.

2. The emissions associated with purchased electricity are considered Scope 3 per The Climate Registry's Electric Power Sector Protocol for the Voluntary Reporting Program, Annex I to the General Reporting Protocol, June 2009, Version 1.0. Beginning with our 2019 emissions reporting, PG&E has used the CEC's Power Source Disclosure program methodology to calculate the CO₂ emissions associated with the electricity delivered to retail customers. This methodology differed from prior reporting years and may result in lower emissions.

3. PG&E has improved calculation methods for emissions from customer natural gas use by excluding PG&E-owned natural gas generators and natural gas compressor stations; these emissions are accounted for under Scope 1. The prior methodology, which included these sources, resulted in 38.84 million MT CO₂-e in 2020 and 41.19 million MT CO₂-e in 2021.

4. Other Scope 3 emissions include the greenhouse gas emissions from business air travel, waste management and employee commuting.



Energy System Planning & Innovation

2030 Climate Goal

- Enable electrification in an orderly transition and shape the future natural gas delivery system

2022 Progress

- Actively participated in a number of CPUC proceedings on the future of the gas and electric systems.
- Adopted a new integrated grid planning approach to address multiple needs for the grid.
- Supported decarbonization through statewide all-electric new construction programs, codes and standards, and education and training on electrification for industry professionals.
- Continued activities to aggressively pursue cost-effective electrification to avoid continued gas system investments and maintenance.
- Completed installations for nearly 150 customers participating in our electrification pilot in the San Joaquin Valley, eliminating the use of propane and wood burning appliances in several disadvantaged communities without access to natural gas.

Achieving a net zero energy system by 2040 will have significant implications for PG&E's energy delivery system over the coming decades. As the operator of a dual-commodity energy system, PG&E is uniquely positioned to lead this transition and shape the future—all with a continued focus on helping our customers and hometowns prosper.

Electric System Planning and Innovation

With the electric system, we embrace the role we play in enabling and scaling a decarbonized grid. Customers with EVs and electric heating and cooling systems use about double the annual electricity of households without—driving unprecedented growth in electrification.

To enable this dramatic growth, our vision is to make the electric grid smarter, more dynamic, and

more flexible—incorporating new energy technologies and giving our customers increased flexibility, choice, and value. We recognize the need to reimagine the grid to meet varying and evolving needs.

Today, our electric system faces accelerating, multi-dimensional needs that we must address to deliver for our hometowns:

- Permanently reducing wildfire risk
- Adding system capacity to accommodate growing demand from EVs and electrification, as well California's clean energy goals
- Improving the health of our electric assets
- Enhancing reliability for our customers

We're adopting a new integrated grid planning approach to meet these objectives and to support the state's bold climate goals, as well as our own. Integrated grid planning is a data-driven approach to planning that seeks to bundle work that addresses multiple needs for the grid, creating efficiencies that reduce the cost of delivering safe, clean, and affordable energy to our customers.

We are also helping to drive the innovation needed to meet California's policy and clean energy goals, including a series of innovative bidirectional EV charging technology partnerships.

California's Energy System in Transition

Transitioning California's energy system is complex, and PG&E is actively participating in a number of CPUC proceedings on the future of the gas and electric systems:

Electric System:

- **Integrated Resource Planning** proceeding to plan the state's electricity supply resources across all load-serving entities and meet electricity sector greenhouse gas emission targets.
- **High Distributed Energy Resources (DER) Future OIR** to modernize the state's electric grid to integrate a high number of DERs, including EV charging.
- **Transportation Electrification Framework** to execute a policy-driven funding structure for utility transportation electrification efforts through 2030.

Gas System:

- **Building Decarbonization OIR** to develop a plan to assess the feasibility of significantly reducing greenhouse gas emissions from buildings.
- **Gas System Planning OIR** to address system reliability standards, market structure and regulations, gas infrastructure, gas revenues and rate design, and workforce issues.

Note: OIR refers to Order Instituting Rulemaking.

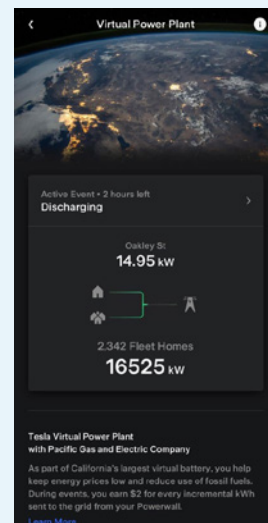


Innovating through Virtual Power Plants

To help address the challenge of record-setting temperatures and extreme heat events, PG&E is exploring “virtual power plants.” Batteries in a customer’s home or business can store energy during the day, and then share that energy back to the grid during peak times, such as at night when the sun has set, or when energy supply is tight during hot summer months.

Virtual power plants are valuable resources for supporting grid reliability and an essential part of California’s clean energy future. PG&E is partnering with energy providers to encourage greater energy resilience for our customers:

- Sunrun will enroll up to 7,500 new and existing residential home solar and battery systems into an innovative energy reliability program, creating a virtual power plant capable of discharging 30 MW of clean energy back to the grid.
- PG&E and Tesla Inc. launched a pilot program and invited approximately 25,000 PG&E customers with Powerwalls to join a virtual power plant and help form the world’s largest distributed battery.



Innovative Grid Technologies

Automated drones, artificial intelligence-enabled wildfire detection cameras, and microgrids—these are just a few of the new and emerging technologies PG&E is exploring or using to help mitigate wildfire risk, increase grid flexibility, and achieve greater system resiliency.

Key areas of focus include:

- Situational awareness and forecasting
- Grid design and system hardening
- Asset management and inspections
- Asset analytics and grid monitoring



PG&E is also building foundational capabilities, including grid communication tools and control networks that can help increase grid flexibility and enable real or near-real time visibility for grid operators to enhance decision-making.

For example, PG&E has deployed an advanced distributed energy resource (DER) management system as a cost-effective solution to help grid operators better manage DERs equipped with smart inverters. After testing the system with a microgrid at Blue Lake Rancheria, a federally recognized Native American tribe and government, pictured above, PG&E made this option available to all new customers interconnecting to the distribution grid with 1 MW or larger DER systems.

Many projects are supported through the Electric Program Investment Charge (EPIC)—a statewide, customer-funded program that enables PG&E, other California investor-owned utilities, and the California Energy Commission (CEC) to execute emerging technology demonstration and deployment projects that address grid needs.

Gas System Planning and Innovation

PG&E's gas strategy focuses on a diversity of win-win options that will be needed to meet our climate goals—and those of California. Our vision is to evolve the gas system to be an affordable, safe, and reliable net-zero energy delivery platform.

We are planning and investing for the gas system to evolve—to deliver cleaner fuels and meet gradually declining customer demand. At the same time, we expect our gas system infrastructure to continue to play a vital role over the coming decades for our customers and the state as a storage, reliability, and resiliency resource.

To achieve this vision, PG&E is adopting a strategic, proactive approach to the evolution of the natural gas system—seeking ways to avoid future gas system costs; reduce the costs of needed system upgrades, installations, and removals by efficiently coordinating and planning work; and helping to stabilize gas rates.

We're aggressively pursuing cost-effective electrification efforts to avoid continued gas system investments and maintenance. Last year, we completed installations for nearly 150 customers participating in our electrification pilot in the San Joaquin Valley.

We're participating in a CEC-funded project to identify strategic pathways for tactical decommissioning of portions of gas infrastructure in our service area.

We're also working to enable building electrification for our customers and to transition the gas system to transport and deliver cleaner fuels such as RNG and hydrogen.

Working to Stabilize Gas Rates

In our 2023 General Rate Case, we proposed to modify the way we depreciate our gas distribution assets. If approved, these assets will be depreciated based upon the expected declining gas throughput (rather than the traditional "straight-line" methodology).

This would result in more depreciation in early years and support future affordability for PG&E's gas customers as more of the gas system's revenue requirement would be collected before forecasts expect a substantial decline in throughput.



Clean Energy

PG&E delivers some of the nation's cleanest energy, while also working to keep service safe, reliable, and affordable for our customers and hometowns:

- We continue to integrate more renewable energy and storage into the grid.
- We own and operate one of the nation's largest investor-owned hydroelectric systems and are committed to responsibly managing these water resources.
- Our highly efficient natural gas-fired power plants provide safe and reliable energy, as well as the operational flexibility required to augment variable renewable energy sources.
- Our Diablo Canyon Power Plant generates safe, clean, and reliable carbon-free energy to meet the needs of our customers.

Net Operating Capacity of Owned Generation Facilities¹

Facility	Net Operating Capacity (MW)
Fossil Fuel-Fired Plants	
Colusa Generating Station ²	657
Gateway Generating Station ²	580
Humboldt Bay Generating Station ²	163
Other Plants	
Diablo Canyon Power Plant ³	2,240
Hydroelectric Facilities	3,857
Solar Photovoltaic Facilities	152
Elkhorn Battery Energy Storage System	183
Total	7,832

1. As of December 31, 2022

2. Natural gas power plant

3. Nuclear power plant

General Energy Production Statistics¹

	2020	2021	2022
Electricity Generated by PG&E (GWh net)²	29,316	27,287	29,063
<i>Fossil Fuel-Fired Plants (GWh net)</i>	<i>6,391</i>	<i>6,172</i>	<i>5,454</i>
Colusa Generating Station (GWh net)	3,037	2,195	2,564
Gateway Generating Station (GWh net)	2,854	3,427	2,437
Humboldt Bay Generating Station (GWh net)	484	545	453
Fuel Cell Facilities (GWh net)	16	5	0
<i>Other Plants (GWh net)</i>			
Diablo Canyon Power Plant (GWh net)	16,305	16,474	17,643
Hydroelectric Facilities (GWh net)	6,343	4,395	5,734
Solar Photovoltaic Facilities (GWh net)	277	246	232
Electricity Purchased (GWh)	24,595	23,218	19,578
Retail Electricity Sales (GWh)³	35,827	33,086	30,291

1. Data is sourced from PG&E's Power Source Disclosure Report for the Base Plan product (bundled customers).

2. Net of electricity used to operate plants. Amounts may not sum due to rounding.

3. Excludes sales to direct access and community choice aggregator customers, and sales to railroads and railways.



Renewable Energy & Storage

2030 Climate Goal

- Deliver 70% Renewables Portfolio Standard (RPS) clean electricity, which is above the RPS compliance obligation of 60%.

2022 Progress

- Nearly 40% RPS clean electricity.
- Added new battery storage capacity to the state's electric grid, now totaling 1,200 MW.

Our Approach

PG&E stands ready to ensure that California's sustainable energy future is both clean and reliable and we have a strong conviction we can do both.

The dynamics of California's energy landscape continue to evolve with retail customer choice, advancing energy storage technologies, declining use of conventional power plants, and the growth of distributed generation, including rooftop solar. Utility-scale renewable energy also continues to grow. We are managing this transition by optimizing our existing portfolio and adding more renewable energy and energy storage to our power portfolio.

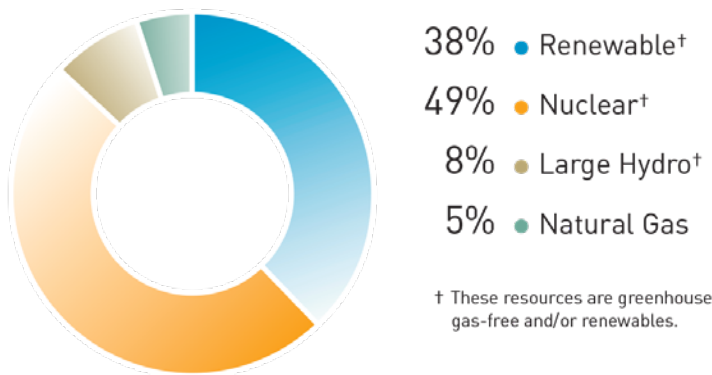
As we endeavor to build a smarter grid, PG&E will continue to gain greater visibility to improve operational performance and more effectively integrate renewable energy onto the grid.

Measuring Progress

In 2022, PG&E continued to deliver some of the nation's cleanest energy. Customers received 95% greenhouse gas-free electricity, with nearly 40% coming from RPS-eligible sources, including solar, wind, small hydroelectric, and various forms of biopower.

The chart below shows PG&E's overall electricity supply mix for 2022, which included the electricity PG&E generated and procured as a percent of retail sales.

PG&E’s 2022 Electric Power Mix Delivered to Retail Customers
 Percent of Bundled Retail Sales (Power Content Label)^{1, 2}



1. This chart uses the data and methodology from the CEC’s Power Source Disclosure Report. This methodology differs from the CPUC’s method to determine renewable energy percentages for RPS compliance.
 2. Amounts may not sum due to rounding.

Composition of PG&E’s 2022 Total Eligible Renewable Resource¹
 Percent of Bundled Retail Sales (Power Content Label)

Solar	22%
Wind	9%
Geothermal	1%
Biomass and Waste	5%
Eligible Hydroelectric	2%
Total	38%

1. Eligible renewable resources include geothermal facilities, hydroelectric facilities with a capacity rating of 30 MW or less, biomass and biogas, selected municipal solid waste facilities, photovoltaic, solar thermal, wind facilities, ocean thermal, tidal current, and wave energy generation technologies. These figures are preliminary and will not be finalized until verified by the CEC.

Looking ahead, the Utility expects its greenhouse gas-free energy supply mix of renewable, large hydroelectric, and nuclear generation resources to remain robust while Diablo Canyon Power Plant (Diablo Canyon) continues to operate.

Renewable Energy Progress



The majority of PG&E's renewable energy comes from contracts with third-party developers. In 2022, PG&E's RPS-eligible portfolio included over 260 contracts for more than 6,000 MW of renewable energy capacity. PG&E also has 50 utility-owned RPS-eligible generation facilities representing 430 MW of additional capacity.

PG&E's 2022 RPS Resources¹

RPS-Eligible Active Contracts²

Type	Number of Contracts	MW
Bioenergy	40	389
Geothermal	2	22
Small Hydroelectric	64	165
Solar Photovoltaic (PV)	138	3,514
Solar Thermal	4	741
Wind	16	1,255
Total RPS Contracts	264	6,084

RPS-Eligible Utility-Owned Generation (UOG)

Type	Number of Resources	MW
Small Hydroelectric ³	37	282
Solar PV	13	152
Total RPS UOG	50	434

1. Numbers may not add up due to rounding.

2. Includes new RPS procurement through the RPS, Renewable Auction Mechanism (RAM), RAM for PV Program, PV Request for Offers, Qualified Facilities, Renewable Energy Market Adjusting Tariff, Bioenergy Market Adjusting Tariff, Green Tariff Shared Renewables, Disadvantaged Communities Green Tariff, other procurement CPUC-directives, and renewable energy credit transactions.

3. Includes one RPS eligible hydroelectric generation facility certified as Incremental Hydroelectric (MW total only includes incremental portion).

More Battery Power to Integrate Renewable Energy



According to the California Independent System Operator (CAISO), there are times during the middle of the day when the state's renewable resources can generate more electricity than customers can use. Battery energy storage allows PG&E and other utilities to store excess solar or wind power for use later.

PG&E has contracts for battery energy storage projects totaling more than 3,000 MW of capacity being deployed throughout California through 2025. Of that, about 1,200 MW of new battery storage capacity has already been connected to the state's electric grid including several facilities over 100 MW all commissioned in 2022:

- 200 MW Diablo Storage System (Contra Costa County)
- 182.5 MW PG&E Elkhorn Battery (Monterey County)
- 150 MW Crimson Storage (Riverside County)
- 127 MW Lancaster Area Battery Storage (Los Angeles County)

Other Energy Sources

Our Approach

Along with our renewable energy portfolio, our hydroelectric, nuclear, and conventional systems all work together to optimize the supply of clean energy to our customers.

Hydroelectric Energy

PG&E's hydroelectric system consists of nearly 100 reservoirs that feed 62 powerhouses and a pumped storage facility, for a total generating capacity of nearly 4,000 MW of clean power. Hydropower is a flexible, clean energy resource that helps the grid integrate intermittent sources of renewable energy such as wind and solar.



PG&E collaborates with water agencies, environmental organizations, and federal and state departments under the guidance of the Federal Energy Regulatory Commission (FERC) to balance hydropower generation with public recreation, water supply, and environmental protection—whether in times of drought or periods of extreme precipitation.

We also work together to repair and strengthen our hydroelectric infrastructure, manage wildfire risks, and mitigate environmental impacts. PG&E's Dam Safety Program maintains the long-term safety and reliability of our water storage and water conveyance infrastructure and compliance with the regulations of the FERC and California's Division of Safety of Dams.

- **We generated approximately 5.3 billion kWh** of carbon-free hydroelectric energy for our customers in 2022.
- **We stored nearly 900,000 MWh of clean energy** through the pumped storage process at our Helms Pumped Storage Plant.
- **We continued to enhance our Dam Safety Program** with a risk-informed approach and new tools designed to improve the way our engineering teams conduct their dam inspections, surveillance, and monitoring.

Measuring Progress

We gauge our hydroelectric performance in a number of ways: the reliability of our carbon-free hydroelectric power generation units; our progress on improving public safety around the flumes, canals, and other waterways we manage; and our compliance with environmental requirements for our operating licenses. Our facilities were consistently available over 97% of the time when they were planned to operate.

Hydropower Reliability¹

	2020	2021	2022
Target	98.5%	98.8%	97.2%
Actual	99.8%	98.3%	97.7%

1. Measures the percentage of time facilities are available when they were planned to operate.

As part of PG&E's wide-ranging public safety program, which includes K-8 education and an extensive dam safety and inspection program, we also track the installation of fencing and gates to further protect the public around PG&E-managed waterways. In 2022, PG&E installed 5,500 linear feet of fencing.

Area Protected by Fencing and Gating (Linear Feet per Year)¹

	2020	2021	2022
Target	14,000	12,850	5,500 ²
Actual	14,833	13,450	5,500

1. In 2023, our focus is on widening berms along canals; upon completion, we plan to install additional fencing in 2024.

2. The 2022 target was adjusted based on a mid-year third party risk reassessment.

Nuclear Energy

As directed by California Senate Bill 846, PG&E is taking actions to continue Diablo Canyon operations for five years beyond 2025 to support state electrical reliability needs. We stand ready to support the state's goals to ensure statewide electric reliability and minimize greenhouse gas emissions, as California transitions to a clean energy future.



As the state's single largest facility producing greenhouse gas-free electricity, Diablo Canyon is already helping the state reduce emissions and combat climate change. As a baseload generator of zero-emissions electricity 24/7, the plant provides about 9% of California's in-state generation and plays an important role in ensuring electric reliability for all Californians.

PG&E is committed to the highest levels of safety, performance, and security at Diablo Canyon. The Nuclear Regulatory Commission's (NRC) latest annual assessment of the facility places Diablo Canyon among the highest-performing plants in the U.S. nuclear industry. This reflects the hard work and dedication of our coworkers and our commitment to meeting PG&E's and the NRC's high-performance standards.

Spent Fuel Storage

At both Diablo Canyon and PG&E’s former nuclear unit at the Humboldt Bay Power Plant, PG&E safely stores spent fuel in on-site dry container storage systems approved and licensed by the NRC. Diablo Canyon also safely and securely stores spent fuel in a wet storage facility. These two on-site interim storage solutions are federally monitored and follow industry best standards to ensure that they are safe and effective.

Water Management

PG&E actively manages the water used in the nuclear generation process in accordance with the water discharge limit set by Diablo Canyon’s Clean Water Act permit.

Measuring Progress

In 2022, Diablo Canyon Units 1 and 2 each underwent a single safe and successful refueling outage. Additionally, Unit 1 had one short maintenance outage. Units 1 and 2 produce 1,222 and 1,118 MW, respectively, of greenhouse gas-free electricity into the energy grid during regular operations.

Diablo Canyon continues to demonstrate high operational performance as gauged by its plant capacity factor, a measure of generation reliability. Despite being a year when Units 1 and 2 each underwent a planned refueling outage, Diablo Canyon achieved a capacity factor of 90% during 2022.

Nuclear Power Plant Performance

	2020	2021	2022
Average Capacity Factor ¹	83%	84%	90% ²

1. Refers to the ratio of the actual output of the plant relative to the output if the plant had operated at full capacity for the year.
2. In 2022, Units 1 and 2 each underwent a planned refueling outage, which occurs approximately every 18 months for each unit. Additionally, Unit 1 had one short maintenance outage.

PG&E continues to plan for decommissioning Diablo Canyon while also maintaining safe plant operations and pursuing relicensing aligned with current state policy. Visit our website to learn more about the decommissioning planning process.

Conventional Energy

PG&E operates three natural gas-fired power plants with best-in-class emissions levels and reduced water use via dry cooling:

- Colusa Generating Station
- Gateway Generating Station
- Humboldt Bay Generating Station

As flexible combined-cycle power plants, the Colusa and Gateway Generating Stations are an essential part of PG&E’s efforts to successfully integrate more renewable resources into the energy grid. When wind or solar production varies during the day, these facilities can ramp up quickly to meet customers’ electricity demand.



About the Facilities

PG&E continues the safe operation of our three natural gas-fired plants:

- Colusa Generating Station:** This 657-MW combined-cycle natural gas plant features cleaner-burning turbines that allow the plant to use less fuel and emit significantly lower emissions than older plants. The plant has 530 MW of base capacity and approximately 127 MW of low-cost peaking power that can be used at times when demand is high or in emergencies. “Dry cooling” technology allows the facility to use 97% less water than plants with conventional once-through water cooling systems. The plant also uses a zero-liquid-discharge system that recycles wastewater and further reduces its water consumption.
- Gateway Generating Station:** This 580-MW combined-cycle natural gas plant has 530 MW of base capacity and 50 MW of low-cost peaking capability. Like Colusa, the plant yields dramatically lower emissions for every megawatt-hour of power produced compared with older fossil-fueled plants. It also uses dry cooling technology, which minimizes water use.
- Humboldt Bay Generating Station:** This 163-MW natural gas plant is located in a relatively isolated section of California’s north coast region and provides a significant majority of the area’s electrical capacity. The plant’s design—selected for the region because of its flexibility and low emissions—uses reciprocating engines that are air-cooled, reducing water use by eliminating the need for “once-through” cooling from Humboldt Bay.



Measuring Progress

In 2022, PG&E’s natural gas power plants provided safe, reliable, and low-cost electricity to our customers. The following performance data represents the average availability factor of our natural gas power plants.

Natural Gas Power Plant Availability¹

	2020	2021	2022
Gateway Generating Station	91.3%	90.9%	82.0% ²
Colusa Generating Station	92.7%	81.7% ²	90.0%
Humboldt Bay Generating Station	89.3%	87.7%	87.2%

1. Refers to the proportion of hours in a year that a plant is available to generate electricity.

2. In 2021 and 2022, respectively, Colusa Generating Station and Gateway Generation Station underwent planned major overhauls of their combustion turbines, resulting in expected reductions in their availability factors.



Greening the Gas Supply

2030 Climate Goal

- “Green” the gas supply for hard-to-electrify customers

2022 Progress

- Filed PG&E’s Renewable Natural Gas (RNG) Procurement Plan with the CPUC and are awaiting regulatory approval.
- Connected a total of four dairy RNG projects to our system, providing a throughput of over 1.7 million cubic feet of RNG per day.
- Announced plans for an end-to-end hydrogen demonstration facility.

PG&E is actively working to transition the gas system to transport and deliver cleaner fuels such as renewable natural gas and hydrogen to help decarbonize PG&E’s operations and the energy used by our customers.

Renewable Natural Gas (RNG)

PG&E is working to add RNG to the gas pipeline system in a way that is both safe and helps California address climate change. RNG is a renewable energy resource mainly produced from dairies, non-hazardous landfills, and wastewater treatment plants but can also come from various types of organic matter such as agricultural crop waste, forestry waste, and wooden construction waste.

PG&E had four dairy RNG projects connected to our system by the end of 2022, providing a throughput of over 1.7 million cubic feet of RNG per day, equating to more than 14,000 tons of methane emissions diverted from the atmosphere. One of these projects is the result of the state’s SB 1383 Dairy Pilot Program, designed to demonstrate how RNG can be collected from dairy digesters and injected into natural gas pipelines.

PG&E is also working towards our goal to supply 15% RNG to our bundled core gas customers by 2030. In 2022, we filed our RNG Procurement Plan with the CPUC and are awaiting regulatory approval. We are also taking other steps to prepare for RNG procurement, including establishing a Procurement Advisory Group and pursuing a pilot project to procure RNG produced from woody biomass.

Exploring Opportunities with Hydrogen

Longer-term, “green” hydrogen has the potential to support our decarbonized future. Produced from a renewable source, green hydrogen has several potential applications, including as fuel for the transportation market—especially in heavy-duty vehicles, marine, and rail—and as long-duration energy storage.

Working with several project partners, PG&E is preparing to launch the nation’s most comprehensive end-to-end hydrogen demonstration facility. The site is designed to prepare for the hydrogen future by assessing system readiness and gaining experience to safely introduce hydrogen into our existing gas infrastructure.

The centerpiece of the study, known as Hydrogen to Infinity (H2∞), is a large-scale project that plans to blend hydrogen and natural gas in a stand-alone transmission pipeline system. H2∞ also plans to include a new 130-acre facility located in Lodi, California, as a study laboratory that incorporates production, pipeline transportation, storage, and combustion.

Decarbonizing Large Gas Customers

We are also proactively working with our industrial and large commercial customers that will not be able to electrify. We are exploring solutions such as moving customers from emission-intensive fuels to cleaner burning natural gas.

Many of these customers need natural gas for their production processes and PG&E’s approach helps leverage portions of the gas system to reduce emissions from these facilities, while helping to sustain important economic activity that provides jobs for Californians.

Enabling Customer Solutions

For more than four decades, PG&E has been working to enable our customers to reduce their energy use and carbon footprint. Today, we offer a full portfolio of customer energy solutions:

- Our energy efficiency programs help reduce energy demand on the grid, keep customer energy bills as low as possible, and contribute to California's clean energy goals.
- Our demand response programs enable customers to reduce energy use during periods of peak demand, which provides grid stability, reduces greenhouse gas emissions, and lowers costs for customers.
- Distributed energy resources, such as rooftop solar and customer battery storage, are key to California's clean energy future and allow customers to have more control over the energy that powers their lives.
- We are working to unleash the full potential of electric vehicles.

Supporting Community Microgrids

PG&E's Community Microgrid Enablement Program continues to empower communities with overcoming the technical, financial, legal, and regulatory challenges involved in deploying multi-customer community microgrids.

Through enhanced technical support and cost offsets for certain distribution system upgrades, the program assists communities in building resilience that fits their unique needs.

Additionally, PG&E filed a proposed Microgrid Incentive Program Implementation Plan. This program would allocate \$200 million statewide for clean energy microgrids to support the critical needs of vulnerable populations impacted by grid outages.



Photo of California's first 100% renewable energy, front-of-the-meter, multi-customer microgrid, which provides enhanced energy resilience for the California Redwood Coast-Humboldt County Airport and U.S. Coast Guard Air Station.



Customer Energy Efficiency

2030 Climate Goal

Achieve 48 MMT of lifecycle carbon emission reductions through comprehensive energy efficiency and decarbonization strategies, with an increasing focus on building electrification¹:

- Align customer building electrification programs with the timing, scope, and goals of PG&E's targeted gas system strategy.
- Aim for 50% of PG&E's Workforce Education and Training programs to focus on building knowledge and skills for electrification—with a continued commitment that 60% of the participants will be from disadvantaged communities.
- Take a proactive, policy leadership position in developing and publicly advocating for federal, state, and local electrification codes and standards for buildings and appliances.

1. Covers the period from 2022 to 2030.

2022 Progress

- Helped customers avoid the emission of nearly 8 million lifecycle metric tons of carbon dioxide through our energy efficiency programs.
- More than 25% of our Workforce Education and Training programs comprised electrification topics and about 60% of the training participants across California were from disadvantaged communities.
- Supported decarbonization through statewide all-electric new construction programs, codes and standards, and education and training on electrification for industry professionals.

Our Approach

PG&E's energy efficiency programs are designed to reach customers across all sectors using a variety of channels, from self-service software tools to PG&E's business customer account representatives. To increase our impact, we also partner with state and local governments, community partners, and trade professionals, and offer education and training to building professionals.

Our energy efficiency priorities include supporting customers, California's climate goals, and the grid and gas system through a diverse portfolio focused on personalizing customer journeys, enhancing digital strategies, and removing barriers to participation.

Customer Energy Efficiency

In 2022, PG&E's energy efficiency programs helped California avoid the emission of nearly 8 million lifecycle metric tons of carbon dioxide. Customers saved approximately 1,780 GWh and 43.3 million therms of energy through incentive programs, codes and standards advocacy, on-bill financing, and data-driven interventions that help customers understand and manage their energy usage.



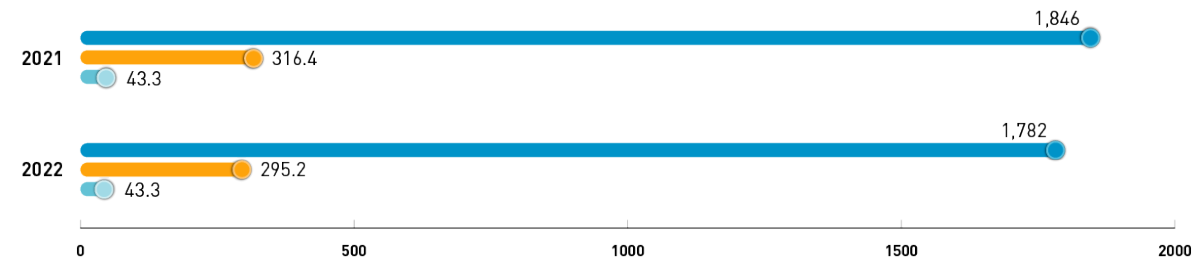
2022 Milestones

- **Supported decarbonization through statewide all-electric new construction programs, codes and standards, and education and training on electrification for industry professionals.** Electrification topics comprised over one-fourth of our classes, webinars, and on-demand courses. Overall, we offered education and training to over 20,000 participants and delivered over 500 classes and webinars, while also offering over 250 on-demand classes.
- **Expanded Home Energy Reports** from approximately 2.9 million customers in 2021 to 3.1 million customers in 2022. PG&E is a national utility leader in home energy reports and runs one of the largest programs in the nation.
- **Enhanced our online guide to help residential customers** find the best programs, resources, and energy products that suit their needs, like smart thermostats, EV chargers, and portable batteries. In 2022, the site saw over 237,000 unique visitors and over 1.2 million page views.
- **Offered no-interest energy efficiency financing** through an on-bill financing program that provides commercial customers and government agencies with loans for energy efficiency upgrades with no out-of-pocket costs and zero interest. The program funded 448 loans worth a total of \$43 million in 2022, with most loans going to small and medium businesses, and public organizations.
- **Helped industrial customers reduce their energy usage through strategic energy management programs.** We retrocommission and upgrade equipment, work with industrial facility employees to pursue energy savings, and provide planning resources for future energy needs. More than 40 customers participated in 2022 and are expected to save over 18 GWh and 4.2 million therms annually by implementing energy management practices at their facilities and changing the way operations teams think about energy use.

Measuring Progress

PG&E continued to deliver significant energy savings through programs that incentivize and support customers who upgrade equipment or change behaviors, in addition to improving building codes and appliance standards.

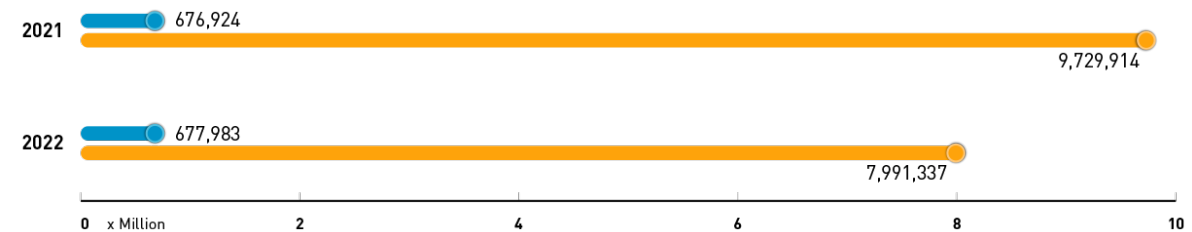
Annual Energy Savings¹ from Customer Energy Efficiency Programs



- Gigawatt Hours (total)
- Megawatts (peak)
- Million Therms

1. Annual energy savings refer to the first-year impacts associated with installed customer energy efficiency projects. Savings are calculated on a net basis, which excludes savings that would have been achieved in the absence of energy efficiency programs. All data is as filed with the CPUC in Pacific Gas and Electric Company's Energy Efficiency Program Portfolio Reports and available on the CPUC's CEDARS website: <https://cedars.sound-data.com/upload/confirmed-dashboard/PGE/2021>. Annual energy savings shown above include savings from codes and standards programs and savings from Regional Energy Network or Community Choice Aggregator programs in PG&E's service area, which represented approximately 1% or less of total annual savings.

Avoided Emissions from Customer Energy Efficiency Programs¹



- Annual² Avoided CO₂ Emissions (metric tons)
- Lifecycle³ Avoided CO₂ Emissions (metric tons)

1. Emissions avoided are calculated by the CPUC based on PG&E's detailed energy savings reporting and are available at <https://cedars.sound-data.com/reports/summary>.

2. Annual avoided emissions refer to the first-year net impacts associated with installed customer energy efficiency projects, including codes and standards programs but not including savings from Regional Energy Network or Community Choice Aggregator programs in PG&E's service area.

3. Lifecycle avoided emissions refer to the net impacts associated with installed customer energy efficiency projects over the life of the projects, including codes and standards programs but not including savings from Regional Energy Network or Community Choice Aggregator programs in PG&E's service area.



Demand Response

2030 Climate Goal

- Manage energy demand as a reliable, cost-effective alternative to traditional power generation solutions in a way that enables broad reach, minimal impact to the daily lives of our customers, and bill savings.

2022 Progress

- Enabled up to 358 MW of load reduction through our demand response programs, 146 MW above the prior year.
- Partnered with Tesla to deploy our first Virtual Power Plant pilot program for customers with behind-the-meter energy storage devices such as batteries.

Our Approach

PG&E's demand response options enable customers to help balance electricity supply and demand on the grid by reducing or shifting their electricity usage at times when demand is highest. These programs are increasingly important in helping meet California's evolving and complex grid needs in light of prolonged heat storms, wildfires, and severe drought conditions, all of which can impact grid reliability.

More than 1.6 million residential customers and over 120,000 commercial and industrial customers participate in our programs and pilots, which include:

Program	Description	2022 Results
Emergency Load Reduction Program (ELRP)	Provides incentives for residential and non-residential customers who voluntarily provide incremental load reductions when the CAISO triggers a Flex Alert or Energy Emergency Alert.	- Enrolled ~1.5 million new residential and 6,500+ new non-residential customers. - Participants were dispatched for 50+ hours of grid emergencies, delivering about 92 MW in each of those hours.
SmartRate	Gives residential customers a discount on regular summer electricity rates in exchange for higher prices during 9 to 15 SmartDays per year, typically on the hottest days of the summer.	~42,000 customers provided peak load reduction of nearly 7.5 MW.
SmartAC	- Allows PG&E to send a signal to a PG&E-provided device on a customer's air conditioner, cycling the air conditioner to use less energy. The program is offered from May through October. - Offer a new 'bring your own' thermostat pilot program, which cycles smart thermostat devices to reduce energy consumption during grid emergencies. - Bid into, and dispatched by, the CAISO wholesale markets as an economic proxy demand resource, but can also be dispatched by PG&E during grid emergencies.	~66,000 participants provided peak load reduction of nearly 25 MW.
Peak Day Pricing	Gives non-residential customers a discount on regular summer electricity rates in exchange for higher prices during 9 to 15 peak pricing event days per year, typically on the hottest days of the summer.	113,000+ customers provided peak load reduction of nearly 57 MW.
Capacity Bidding Program	- Works with third-party demand response companies that aggregate residential and non-residential customers. - These aggregators—and, by extension, the customers in their portfolios—act as "virtual power plants" and receive payments from PG&E in exchange for reducing load on peak usage days. - Bid into, and dispatched by, the CAISO wholesale markets as an economic proxy demand resource between May and October.	~800 active service accounts provided peak load reduction of about 51 MW.
Base Interruptible Program	- Enables participating customers—typically the largest energy consumers—to receive financial incentives in exchange for their commitment to reduce energy usage during severe emergencies - Bid into, and dispatched by, the CAISO real time market year-round as a reliability demand response resource, but can also be dispatched by PG&E to respond to severe grid emergencies.	Attained a load reduction potential of about 163 MW.
Automated Demand Response (AutoDR)	- Provides rebates for residential demand-reducing smart thermostats and funding for demand-reducing equipment for non-residential customers. - Equipment receives a signal from PG&E to initiate a series of automatic, customer-defined, and pre-authorized actions during demand response events.	Provided incentives to four customers totaling about 1.8 MW of new committed load shed.

2022 Milestones

Executing Our Programs to Meet Extreme Heat Conditions

In September of 2022, a severe summer heat storm hit California and much of the Western United States, bringing record-setting temperatures. To ensure reliable service for our customers, we deployed our full portfolio of demand response programs and focused on improving customer communications and engagement.

As part of broader preparedness efforts, we enrolled over 1.6 million residential customers in our new Power Saver Rewards program, which rewards residential customers for temporarily reducing energy use when demand for electricity is high. When CAISO calls a Flex Alert and/or an Energy Emergency Alert Watch, we send notifications to customers to reduce energy use.

During the summer's heat wave and peak demand periods, PG&E provided a total of over \$55 million in incentives for customer conservation efforts. Over the ten event days in 2022, the average customer bill credit for program participants was \$35. This program helped avoid the need for rotating outages across the CAISO grid in the summer of 2022.

Virtual Power Plant



We partnered with Tesla to deploy our first ever Virtual Power Plant pilot program for customers with behind-the-meter energy storage devices such as batteries. This unique program allowed these customers to shed load when the grid needed it the most, primarily during the record heat events of 2022.

During the first activation of the pilot in August 2022, nearly 2,500 PG&E customers delivered up to 16.5 MW of clean solar power when it was needed most.

Proposing a Five-Year Plan

PG&E proposed a comprehensive five-year program design and funding plan with the CPUC to enhance our demand response portfolio and strategy to meet the needs of the grid and participating customers today and into the future. The proposal included:

- A new **automated response technology program** to enable the use of residential smart technologies, such as smart controllable thermostats, batteries, and electric vehicles during demand response events and for load shifting.
- A **smart panel pilot** to evaluate whether and how a smart electrical panel can offer residential customers the control, convenience, and choice they need to achieve their energy goals while also participating in a utility demand response program.
- An **agricultural pilot** to encourage increased participation and load reduction from this customer segment.

We also requested funding for the Emergency Load Reduction Program for 2024 and 2025 and approval for its continuation in 2026 and 2027.

Measuring Progress

Through our demand response programs, PG&E customers had the ability to provide up to 358 MW of load reduction in 2022. This includes 146 MW above what we acquired the previous year, which allowed us to achieve greater peak load reductions in 2022.



Distributed Generation & Storage

2030 Climate Goal

- Manage energy demand as a reliable, cost-effective alternative to traditional power generation solutions in a way that enables broad reach, minimal impact to the daily lives of our customers, and bill savings.

2022 Progress

- Brought the total number of rooftop solar customers connected to the grid to over 700,000, more than any other U.S. utility.
- Supported more than 50,000 customers who have installed battery storage at their homes or businesses.

Our Approach

PG&E is committed to expanding the use of clean distributed energy to meet customer needs, while supporting California's greenhouse gas reduction and other environmental goals.

We provide a variety of tools and resources for customers who want to use solar energy, other distributed generation, and storage. Our website provides information on the process for adopting solar and helps customers determine if solar is right for them. PG&E also offers other benefits to customers, including resiliency and clean energy programs; incentive programs for fuel cells, wind, and battery storage; and solar programs for general and income-qualified customers.

PG&E also has extensive offerings for customers who are unable to install on-site generation. Our community renewables programs give customers the option to purchase up to 100% of their electricity from renewable resources:

- **PG&E's Solar Choice program** allows customers to purchase energy with a greater share of renewables.
- **The Green Saver program** is a community renewables program targeting income-qualified customers in disadvantaged communities. It enables participants who might otherwise be unable to access solar—such as renters or homeowners with homes not suitable for rooftop solar—to receive 100% of their energy from power generated by certified solar projects. The program also provides a 20% energy bill discount in addition to the discounts provided through other assistance programs such as CARE and FERA.
- **Local Green Saver** provides participants the same core benefits as Green Saver and also includes a community interest component meant to improve local engagement and connection with program projects to facilitate enrollment in the coming years.

In 2022, the CPUC issued a decision to modify the state's Net Energy Metering (NEM) solar program. This program helps customers reduce their monthly electric bill with the energy generated by their own rooftop solar energy system. The revisions encourage the pairing of energy storage with solar to maximize solar's potential.

2022 Milestones

Community Renewables Programs

- **Solar Choice** ended the year with 193 MW of customer enrollments, continuing to place among the top 10 green energy programs in the country according to data compiled by the National Renewable Energy Laboratory.
- **Green Saver** remained fully subscribed and reached a significant milestone—PG&E executed contracts for the remaining program capacity from dedicated, solar generating resources, bringing the program to its overall cap of 52.32 MW of solar capacity.
- **Local Green Saver** ended the year with only 2.2 MW of PG&E's 14.2 MW program capacity remaining to be procured. Customers can continue to enroll in 2023.

Advancing Clean Technologies

- **Introduced a new option for customers interconnecting distributed energy resources (DERs) to the grid, lowering the cost of telemetry** (the process where these solutions collect and transfer data remotely). We will leverage this new foundational system in combination with other systems in development to safely interconnect DERs to the grid and enable new services from DERs.
- **Helped customers build resilience using energy storage** through our Self-Generation Incentive Program. We have completed over 16,800 storage interconnections resulting in about \$882 million in total payments from 2001 through 2022.
- **Supported customer solar thermal technology** through our California Solar Initiative (CSI)-Thermal Program. While the program is currently in a sunset period, PG&E provided approximately \$3.7 million in statewide incentive payments in 2022.

Building Community Resilience

- **Supported clean temporary energy generation solutions** through a variety of pilot programs to mitigate the risk of wildfires and PSPS events. These initiatives include clean energy solutions with mobile battery storage and vehicle-to-grid technology. PG&E is also exploring technologies to reduce reliance on diesel generators at distribution microgrids during PSPS or EPSS events.
- **Proposed a clean substation microgrid pilot** to the CPUC that would use green hydrogen fuel cells and batteries, rather than diesel, to provide a long-term backup power solution for customers near our Calistoga substation during broader grid outages.
- **Continued our resiliency partnership with the California Foundation for Independent Living Centers (CFILC)** through the Disability Disaster Access and Resources Program to deliver a readiness program that supports people with disabilities, older adults, and customers who use durable medical equipment and assistive technology that is required to live independently. In 2022, CFILC completed over 2,400 assessments and provided over 1,600 portable batteries to qualifying customers. Since the program launched in 2020, CFILC has completed over 6,800 assessments and provided over 4,000 portable batteries to qualifying customers.

Providing Rapid Relief to High-Need Customers



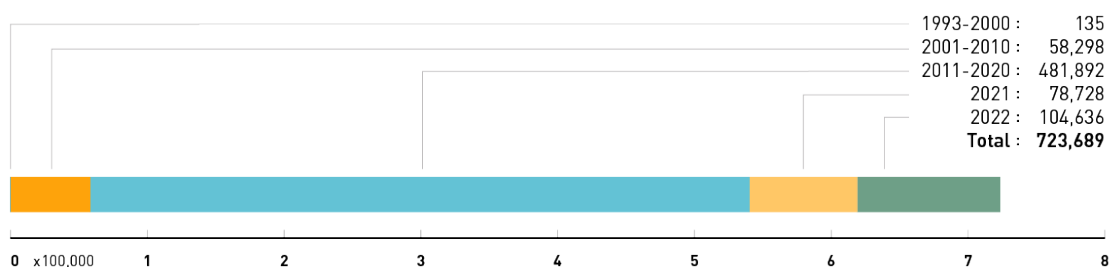
To support resiliency during PSPS events, our Portable Battery Program provides free portable backup battery solutions to medical baseline customers in Tier 2 and 3 High Fire Threat Districts or to customers who have experienced two or more PSPS events since 2020. The program re-launched in 2022 with direct customer outreach, assessments, and battery deliveries.

Since the program launched in 2020, we have completed over 24,300 assessments and provided over 18,700 portable batteries to customers. In addition, PG&E launched the Fixed Power Solutions program in 2022, which is providing permanent battery storage solutions for residential customers on the highest impacted EPSS circuits. PG&E is also providing automatic transfer switches and temporary generation to K-12 schools on the highest impacted EPSS circuits. In 2022, we ordered 20 switches for various schools.

Measuring Progress

In 2022, we reached a milestone of more than 700,000 customer-sited solar systems, after interconnecting over 100,000 systems during the year—a 33% increase from the prior year. This represents a total of 7,000 MW of customer-sited solar.

PG&E Customer Solar Interconnected Systems by Year 1993–2022



Despite the increase, PG&E maintained efficient interconnection timelines, averaging nine days for residential customers and 25 days for business customers.

Additionally, through 2022, approximately 50,000 customers have installed battery storage at their homes or businesses, equivalent to over 500 MW of capacity.



Vehicle Electrification

2030 Climate Goals

Be the global model in the industry by fueling at least 3 million EVs in our service area—leading to a cumulative reduction of 58 MMT of carbon emissions¹:

- Proactively prepare the grid for 12,000 GWh of EV-related electric load growth and improve processes to enable rapid, safe EV energization and interconnection.
- Enable 2 million EVs to participate in vehicle-grid integration applications, allowing EVs to be a cornerstone of reliability and resilience, while unlocking additional revenue streams for PG&E customers to lower the lifetime and household cost of EV ownership. We will do this by targeting hard-to-reach customers while building a balanced portfolio of program offerings that is affordable for customers.
- Repurpose at least 500 MWh of second life batteries for grid-connected energy storage, providing a low-cost flexible resource to PG&E and enabling customers to maximize the value of their EV.

1. Covers the period from 2022 to 2030.

2022 Progress

- 425,000+ EVs in operation in our service area.
- Announced innovative vehicle-grid charging technology partnerships with GM and Ford, with first vehicle-to-home installations planned in 2023. Received regulatory approval for new vehicle-grid integration pilot programs involving residential and commercial customers and multi-customer microgrids.
- Installed approximately 340 charging ports for electric vehicles, nearly half of which are in disadvantaged communities.
- Began standing up new residential EV programs, including a pre-owned EV rebate, which launched in 2023.
- Began offering a new service, known as Rule 29, where PG&E covers the costs of utility-side electric distribution infrastructure for separately metered EV charging for commercial, industrial, or multi-family customers.

Our Approach

Today, about one in seven of all electric vehicles (EVs) in the U.S. can be found in PG&E’s service area and California has deployed over 80,000 chargers across the state, including more than 8,000 fast chargers. But there is still more to do.

Unleashing the Full Potential of Electric Vehicles

To meet both the state’s goals and our own, we are actively engaged in projects to expand EV charging infrastructure, provide EV education and outreach, and accelerate EV adoption.

This includes collaborating with automakers, charging equipment providers, and state programs to build and support the large-scale electric infrastructure needed to incorporate EV charging systems into the electric grid. PG&E also supports EV adoption through rates, rebates, tools, and outreach to help reduce the total cost of ownership of an EV and increase awareness about the benefits of EVs.

EV Infrastructure Rule 29 is designed to make it simpler and less costly for commercial, industrial, or multi-family customers to install EV charging infrastructure. Under Rule 29, PG&E will pay for and coordinate the design and deployment of service extensions from PG&E’s electrical distribution line facilities to the service delivery point for separately metered EV charging stations.

Customer Programs and Pilots

Program	About
EV Fleet	• Expands PG&E’s charging infrastructure programs to medium- and heavy-duty fleets. • Aims to install or rebate make-ready electrical infrastructure to support the adoption of 6,500 medium- and heavy-duty EVs. • At least 25% of the infrastructure budget will be invested in disadvantaged communities.
EV Fast Charge	• Enables public fast charging—with PG&E paying for and building the infrastructure from the electric grid to the charging equipment for public fast chargers, complementing state and privately-funded initiatives. • Aims to install 30 to 40 sites for DC fast charging in highway corridor and urban sites. • At least 25% of sites will be located in or adjacent (within a half mile) to disadvantaged communities and are eligible for additional incentives.
EV Schools and Parks	• Invests in charging infrastructure at about 22 schools and 15 state parks. • At least 25% of the state park sites and 40% of the school sites will be focused on disadvantaged communities.
Empower EV	• Supports targeted community outreach to provide EV education and rebates for EV chargers, charger installation, and panel upgrades for income-qualified residential customers. • Aims to serve up to 2,000 households.

Low Carbon Fuel Standard (LCFS) Programs

PG&E participates in California's LCFS program, which aims to lower the carbon impact of California's transportation fuels by 20% by 2030. PG&E earns credits for supplying low-carbon fuel in the form of electricity and compressed natural gas (CNG) for vehicles and uses the revenue from the sale of LCFS credits (non-rate payer revenue) to fund customer programs.

Program	About
Pre-Owned EV Rebate	• Provides base and income-qualified incentives of up to \$4,000 for the purchase of a pre-owned EV.
evPulse	• Provides a software service that enables communication and managed charging for EV drivers to have a full EV battery ahead of a PSPS event.
Multifamily & Small Business Direct Install	• Provides on-site Level 1 and Level 2 charging solutions at multi-family and commercial sites.
Residential Charging Solutions	• Provides incentives for purchasing emerging technologies that enable customers to adopt Level 2 residential charging without having to upgrade their home electric panel.

2022 Milestones

Enable Access to Charging Infrastructure

- **Continued to implement our EV Fleet and EV Fast Charge programs.** With the EV Fleet program, we completed construction of 47 sites to enable innovative medium- and heavy-duty transportation electrification initiatives. With the EV Fast Charge Program, we completed five sites and offered contracts to 23 different customer locations, including convenience stores, retail centers, and public parks.

PG&E Partners on Zero-Emission Ferry

PG&E partnered with Angel Island Ferry to launch California's first zero-emission, electric short-run ferry through the EV Fleet Program. Through the collaboration, PG&E plans to bolster electricity transmission to the ferry terminal and support the installation of charging infrastructure to help power the 59-foot, 400-passenger vessel for its ferry service, sunset cruises, and chartered events.



Reduce Total Cost of Ownership

- **Launched evPulse, a resilient charging pilot**, for EV drivers in high fire threat districts and PSPS-impacted areas. We enrolled over 4,000 customers in the program, which rewards customers for smart charging.
- **Released a request for qualification** to find solutions which help residential customers charge their EVs without a panel upgrade. This program will launch in 2023.

Expand Rate Options

- **Offered commercial customers a Business EV Rate** with over 200 sites enrolled through 2022, including workplaces, fleets, and public fast charging sites. This rate is designed to reduce EV charging costs through a monthly subscription charge (similar to a data plan for a phone bill), giving customers more control over costs.
- **Gained CPUC approval to launch a pilot that will compensate EV customers for exporting electricity from their vehicle to the grid.** We plan to launch this pilot, along with an optional day-ahead hourly real-time rate for non-residential EV customers, in 2024.

Innovation, R&D, and Vehicle-to-Grid Integration

- **Received regulatory approval for new vehicle-grid integration pilot programs** involving residential and commercial customers and multi-customer microgrids. The pilots focus on enabling large-scale customer adoption of bidirectional charging technology by providing financial incentives to customers, with added benefits to those located in disadvantaged communities. We opened the pilots for pre-enrollment in 2022 and will evaluate the cost-effectiveness of bidirectional charging technology in various grid-supporting applications such as renewable energy integration, deferral of distribution upgrades, and customer resilience during grid outages.

Innovative EV Partnerships

PG&E is taking part in innovative bidirectional EV charging technology partnerships with both Ford and GM, as part of a broader effort to reimagine the use of EVs as backup power sources for customers:

- We are piloting the use of GM EVs as on-demand power sources for homes.
- We are exploring how Ford's new F-150 Lightning electric truck can interact with the electric grid and provide electric reliability benefits to PG&E's customers.



EV Savings Calculators

We're helping residential and commercial customers explore the financial benefits of owning an EV:

- Our EV Savings Calculator enables prospective and current EV drivers to explore available light-duty models, learn about incentives to reduce the cost of the vehicles, determine the best residential rate plan, and locate charging stations. In 2022, the calculator surpassed 1.1 million unique visitors since its launch in 2019.
- Our EV Fleet Calculator helps customers looking to electrify their fleets. The customizable tool includes incentives and grants available through PG&E and other local, state, and federal programs; how to save through the business EV rate; and a LCFS credit calculator.

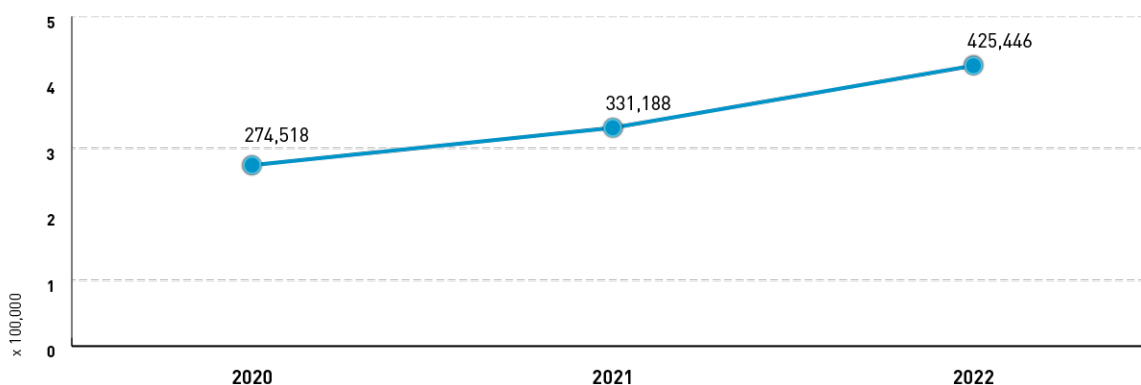


Photo: Wolf Creek Lodge

Measuring Progress

The number of EVs in operation in PG&E's service area reached over 425,000 in 2022, showing a consistent growth in registrations. PG&E estimates that over 20% of new vehicles sold in 2022 in PG&E's service area were electric.

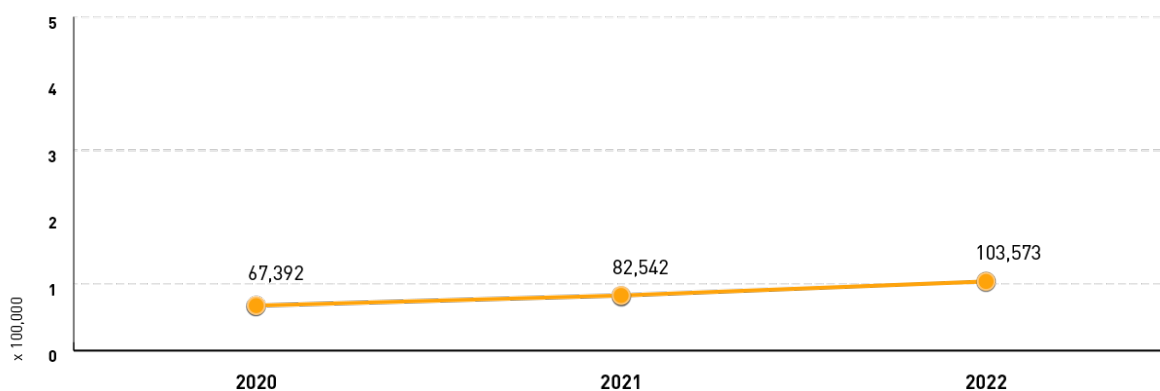
Plug-In Electric Vehicles in PG&E's Service Area



• Approximate Number of EVs¹

1. Source: Electric Power Research Institute, based on external registration data, through December 2022.

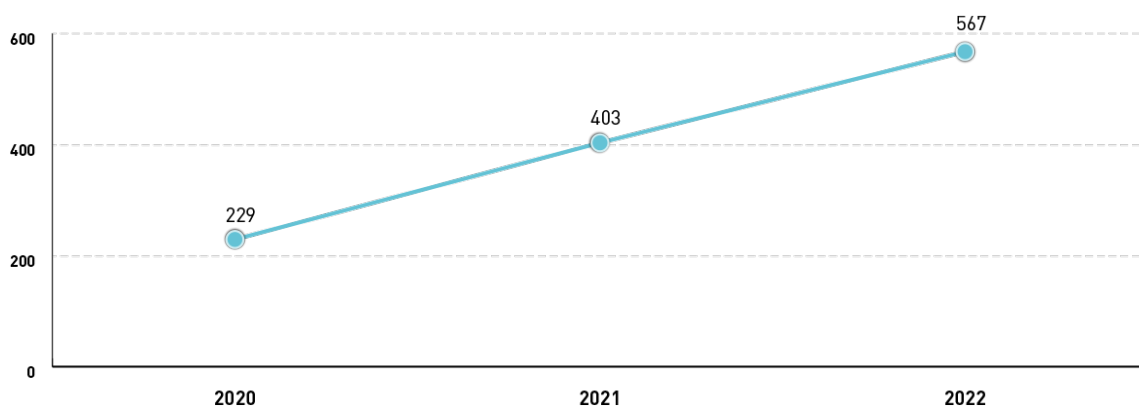
Residential Electric Vehicle Rate Enrollment in PG&E's Service Area



● EV Rate Enrollments²

2. Includes enrollments in all residential electric vehicle rate plans (EV-A, EV2-A, and EV-B).

Non-Residential Electric Vehicle Rate Enrollment in PG&E's Service Area



● EV Rate Cumulative Site Enrollments³

3. Includes enrollments in non-residential electric vehicle rate plans (BEV-1 and BEV-2).

We also maintain a network of 28 CNG vehicle refueling facilities. PG&E uses our expertise to help commercial customers take advantage of this relatively low-emitting domestic alternative fuel in their own fleets.

Through our network of CNG vehicle refueling facilities open to customers, we refueled about 920 vehicles and fleets with about 1.6 million therms of RNG in 2022. RNG is a lower carbon intensity fuel, which results in lower greenhouse gas emissions.

PG&E-Supplied Natural Gas Consumed by the Transportation Sector

	2020	2021	2022
Natural gas consumption (million therms) ¹	1.32	1.20	1.62

1. Based on PG&E's reported data to the CARB.



Reducing Our Carbon Footprint

Strategic Focus Area	2022 Progress
Reduce methane emissions from the gas system	Reached 24% methane emissions reductions from our gas system relative to 2015—exceeding the state’s 20% requirement two years early.
Electrify PG&E’s vehicle fleet	Deployed 10 Ford F150 Lightning electric pick-up trucks and worked to add full-electric underground cable construction vans and more pick-up trucks.
Reduce emissions from buildings and facilities	Reduced aggregated energy use intensity by 11% compared to the prior year, including reductions of 31% in electricity and 25% in natural gas usage.
Reduce sulfur hexafluoride (SF ₆) emissions from the electric system	Repaired or replaced over 30 targeted circuit breakers to reduce emissions.

As part of our climate goals, we’re working to reduce the carbon footprint of our operations.

Our 2030 goal is to reduce our Scope 1 and 2 emissions by 50%, compared to a 2015 baseline.

Each year, PG&E reports its greenhouse gas emissions and climate change strategies to the CDP, an international not-for-profit organization that requests information on behalf of institutional investors.

Our Approach

In the near-term, we’re reducing emissions from our operations by targeting methane emissions from natural gas operations, deploying clean fleet vehicles, promoting energy-efficient and more sustainable facilities, and removing sulphur hexafluoride (SF₆) emissions from our electric substation equipment.

Reducing Methane Emissions from Gas Operations

PG&E is taking a comprehensive approach to reducing methane emissions, including:

- Enhancing our leak survey program that assesses about 44,000 miles of natural gas distribution pipeline every three years
- Applying enhanced leak detection technologies and using an accelerated repair schedule for the largest emissions findings, known as PG&E's Super Emitter Program
- Modifying standard natural gas release or "venting" practices used to prepare transmission pipelines for maintenance, repair, or replacement projects
- Replacing pneumatic controllers at compressor stations and natural gas storage facilities
- Conducting quarterly leak surveys at compressor stations and natural gas storage facilities



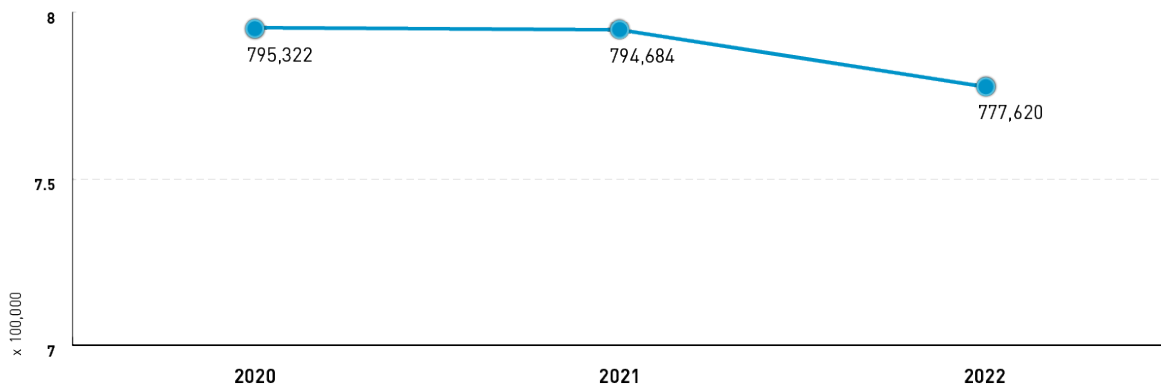
PG&E is piloting the use of drones to identify methane emissions at compressor stations and storage facilities.

In 2023, we're further enhancing our methane emissions reduction program by comparing the cost of repairs on a standard basis (cubic feet per hour released) to ensure we're achieving the best spend efficiency.

Measuring Progress

Using 2015 emissions levels as a baseline value, PG&E reached more than 24% emissions reductions by mid-year 2022, with an additional 5% forecast by the end of 2023. This exceeded PG&E's goal to reduce emissions from our natural gas pipeline system 20% by 2025 two years ahead of schedule.

Methane Emissions



• Greenhouse Gas Emissions (metric tons CO₂-e)^{1,2}

1. These figures reflect a CPUC-approved methodology improvement, which transitioned from a population-based emission factor approach to a leak-based approach to measure emissions from customer meter sets and distribution metering and regulation stations. The figures also incorporate reporting requirements for CARB's Oil and Gas Rule, which improves emissions accounting for transmission compressor stations and underground storage facilities.

2. These values differ from PG&E's inventory with The Climate Registry due to the use of a different global warming potential value for federal and state emissions reporting.

Key areas of focus included:

- **Deployed new technologies**, including RKI Instruments' open path laser spectrometer methane sensor, to identify gas sources and support waterway leak surveys using an unmanned aerial system or drone. We also tested several advanced mobile leak detection technologies and aerial methane detection technologies to perform leak detection at a broader scale.
- **Implemented drafting, cross compression, flaring, and project bundling**—separately and in combination—to reduce the amount of natural gas released into the atmosphere during construction and repair projects on our gas transmission system. We purchased new equipment—such as mobile fill compressors and thermal oxidizers—and enhanced our cross-compression activities to increase methane abatement.
- **Partnered with NYSEARCH, a research consortium, to develop a framework to characterize emissions at transmission metering and regulating stations**, helping to better quantify and report these emissions. This framework will allow operators to measure emission reductions from replacing high bleed pneumatic devices.

Vehicle Fleet Electrification

Across our vehicle fleet, PG&E managed approximately 14,100 on-road vehicles and related equipment at the end of 2022. Of these, about 1,300 were electric-based—ranging from hybrid-electric bucket trucks to fully electric vehicles—along with a small group of larger vehicles powered by CNG.

By integrating the latest available technologies and partnering with automakers to meet needs unique to our fleet operations, PG&E is working to reduce emissions and operating costs and expand our portfolio of low-emission vehicles.

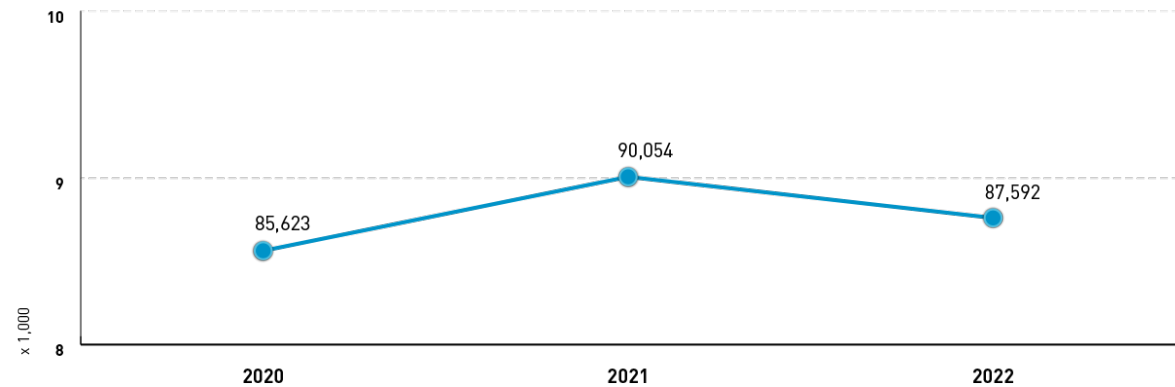
We also remain focused on California's adoption and implementation of the Advanced Clean Fleets regulation, designed to reduce transportation sector emissions from medium- and heavy-duty truck fleets, including our own. This regulation aligns with our 2030 fleet electrification goal and supports California's long-term goal to achieve a zero-emission truck and bus fleet by 2045.



Measuring Progress

PG&E continued to reduce emissions from our vehicle fleet, with a more than 5% reduction compared to the prior year.

Transportation Fleet Greenhouse Gas Emissions



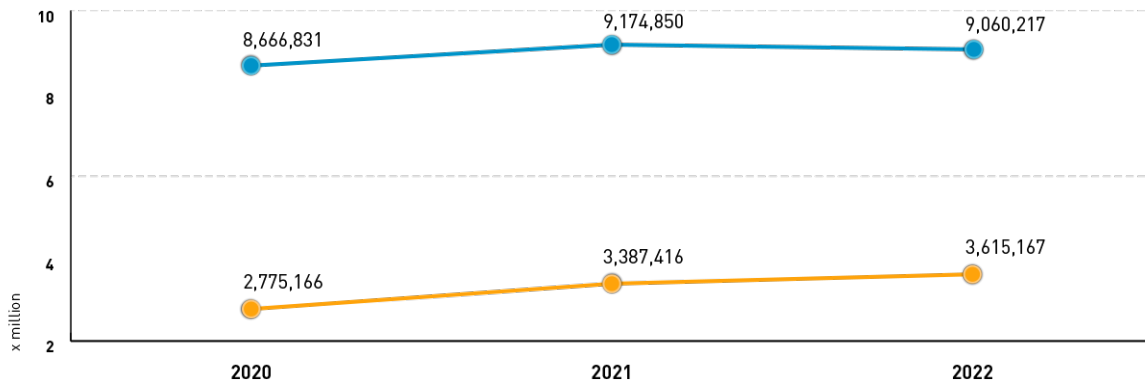
● Greenhouse Gas Emissions (metric tons CO₂-e)

Key strategies included:

- **Deployed 10 Ford F150 Lightning electric pick-up trucks** and continued to work towards future deliveries of Freightliner MT50e full-electric underground cable construction vans and Chevrolet Silverado electric pick-up trucks.
- **Promoted coworker EV adoption** through a network of 1,150 charge points at about 120 locations across our service area.
- **Continued to leverage driver feedback technology** on over 9,000 vehicles and pieces of equipment. In-cab alerts enabled on most of these vehicles can indicate hard braking, hard acceleration, exceeding the speed limit, and other actions that help promote safe driving behavior and fuel efficiency.
- **Continued rolling out renewable diesel to every practical PG&E-owned fueling tank**, using 3.5 million gallons of renewable diesel in our conventional vehicles in 2022 and reducing the associated carbon emissions.

While we work toward our fleet electrification goals, PG&E uses petroleum and renewable diesel to power many of the vehicles in our fleet. The following chart shows PG&E’s fuel usage over the past three years.

Transportation Fuel Consumed by Pacific Gas and Electric Company



- Petroleum Consumed by PG&E Fleet (gallons)
- Renewable Diesel Consumed by PG&E Fleet (gallons)

Buildings and Facilities

We continue to execute a multifaceted strategy to invest in key facility improvements, engage coworkers, and incorporate sustainability principles and continuous improvement into our building and facilities management.

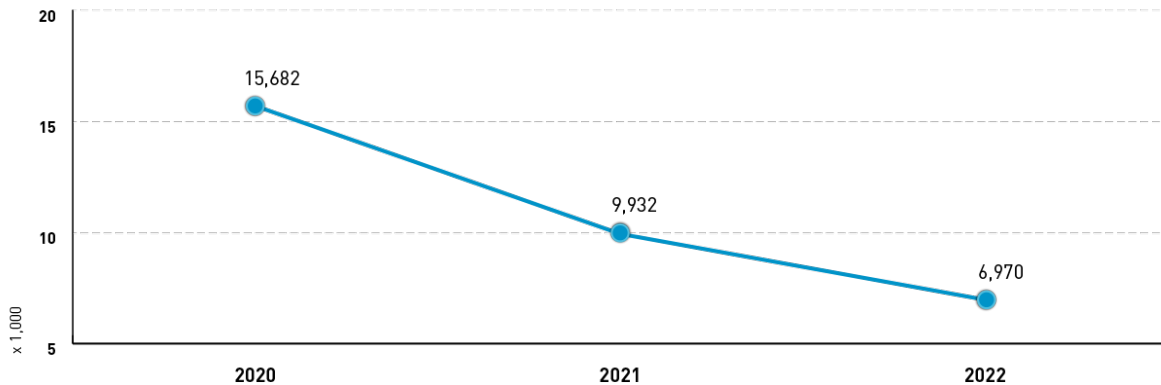
We work to use energy more efficiently and adopt clean energy strategies at our office facilities and service centers. We've published a facilities sustainability standard for future workplace design, while remaining focused on building a more sustainable supply chain through environmentally preferable product choices and procurement strategies. We also power our service centers—over 70 buildings in Northern and Central California—with 100% solar energy through Pacific Gas and Electric Company's Solar Choice program.



Measuring Progress

PG&E continued to reduce emissions from our buildings and facilities, with a 30% reduction compared to the prior year.

Facility Greenhouse Gas Emissions



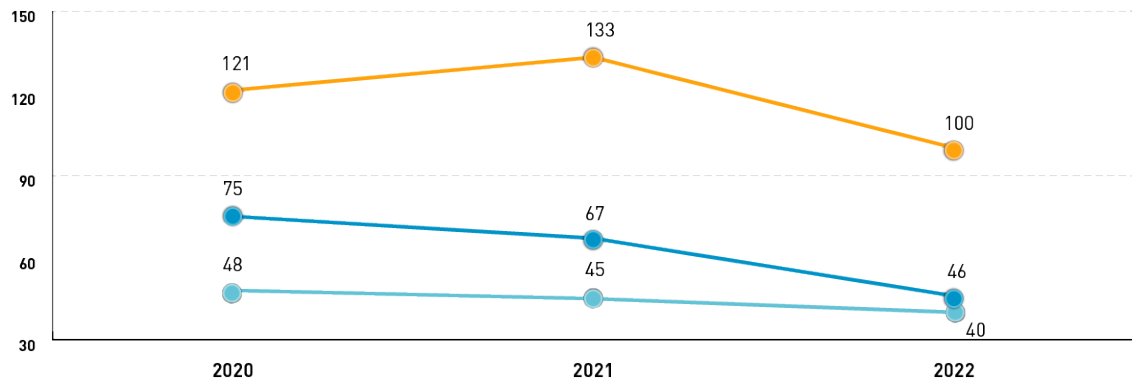
• Greenhouse Gas Emissions (metric tons CO₂-e)

Highlights included:

- **Compared to 2021, our electricity usage dropped by over 31%, and our natural gas usage decreased by 25%.** Overall, aggregated energy use intensity, which is based on square footage, decreased by more than 11%. The combined efforts of optimizing and consolidating space, expanding renewable energy, and updating design standards all contributed to this result.
- **Continued our commitment to expand on-site renewable energy** through future solar installations. We completed a renovation at our Davis Service Center, and a new build at our future Napa Regional Center is under construction.
- **Office personnel returned to the workplace with a hybrid approach**, between remote and onsite work. As a result, we improved the way we used our space, which allowed us to close some underused facilities.
- **Updated our design standards to match new requirements for deploying solar panels** for new builds over 50,000 square feet and major renovations over \$5 million.
- **Encouraged energy conservation by enrolling our facilities in PG&E's demand response programs.** We enrolled 40 locations in Peak Day Pricing and more than 225 locations in the Emergency Load Reduction Program, resulting in over \$270,000 in cost savings and 23,000 kW in energy savings.
- **Analyzed more than 130 thermostats and changed temperature set points** in accordance with industry guidelines to maintain space comfort while optimizing energy usage. This effort saved over \$250,000 and 950,000 kWh in energy savings.

These figures represent electricity and natural gas usage at our office facilities and service centers.

Energy Consumed at Facilities¹



- Electricity Consumed (gigawatt hours)
- Natural Gas Consumed (million cubic feet)
- Energy Intensity (thousand BTUs per square foot)²

1. The data reflects the 12-month period from December to November. Between 175 and 197 sites reported electricity data for 2020 to 2022 and between 118 to 142 sites reported natural gas data between 2020 and 2022.

2. Figures are reported in the industry standard of KBTU per square foot, which incorporates all the energy used in a facility into one comparative figure.

Reducing SF₆ Emissions from Electric Operations

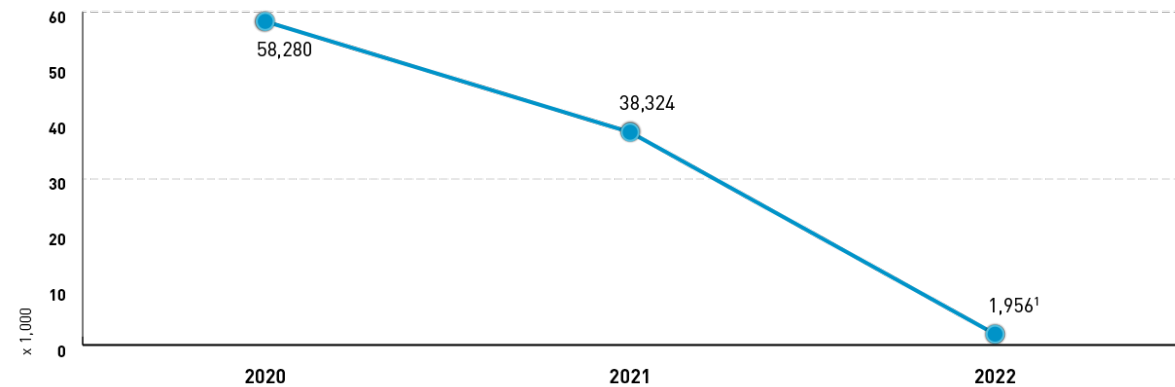
PG&E is taking a multi-pronged approach to tackle SF₆—repairing the highest leaking circuit breakers, implementing cylinder best management practices, phasing-in SF₆-free equipment, and engaging in state and industry efforts to phase-out SF₆ over time.

SF₆ is commonly used by PG&E and other energy companies as an electrical insulating material in high-voltage circuit breakers and gas-insulated switchgear; but if it escapes to the atmosphere, it is a potent greenhouse gas.

Measuring Progress

PG&E continued to reduce SF₆ emissions from our electric operations. Our efforts included repairing or replacing over 30 targeted circuit breakers in 2022 to reduce emissions.

SF₆ Emissions



• Greenhouse Gas Emissions (metric tons CO₂-e)

1. PG&E's SF₆ emissions decreased significantly in 2022 as a result of enhanced calculation methods and improved operational processes to reduce leaks and manage the company's assets and inventory.

Our comprehensive greenhouse gas emissions inventory is available under Our Climate Goals.

Exceeding Our Million Ton Challenge

We successfully completed the Million Ton Challenge in 2022 and exceeded the five year goal by avoiding a total of 1.85 million tons of CO₂-e emissions.

This was a voluntary five-year carbon reduction goal to avoid one million tons of cumulative greenhouse gas emissions from our operations from 2018 through 2022, compared to a 2016 baseline. We achieved reductions through targeted strategies with our natural gas operations, fleet vehicles, buildings and facilities, and electric substation equipment.



Environmental Stewardship

We're renewing our focus on biodiversity through a long-term commitment to be "nature positive" as a company. This means going beyond avoiding impacts and having no net impact on the natural environment—instead, it requires investing in projects, environmental initiatives and research, and partnerships to restore biodiversity across ecosystems and habitats.

We're committed to making this transition through specific initiatives that are cost-responsible and prioritize collaboration. Work on longer-term goals is underway.

Environmental stewardship is essential to our business in many ways:

- We protect land and habitats through conserving threatened and endangered species and their habitats, safeguarding watershed lands that we have committed to preserve in perpetuity, and managing forested lands to minimize the threat of wildfires.
- Water remains a precious resource in California, and PG&E is committed to using it responsibly at our facilities and in our operations—and helping our customers do the same.
- We are reducing waste from our facilities and operations, while also addressing environmental impacts from our historic operations in accordance with today's regulatory standards.

Fuels Reduction Partnership Program

Between 2019 and 2022, PG&E funded the Fuels Reduction Partnership Program, a voluntary program with the U.S. Forest Service (USFS) that was the first of its kind in California. Through this program, we treated 18,346 acres in total and awarded more than \$14 million for nine national forests in our service area.



The program funded forest fire mitigating activities within USFS lands and outside of our rights-of-way and helped increase the pace and scale of forest fuels reduction and ecological restoration. Through prescribed burns, biomass and wood debris removal, and other activities, the program aimed to protect communities and PG&E infrastructure from wildfires, while helping the USFS achieve their fuel reduction goals.



Land & Habitat

PG&E has a long history of programs and partnerships to protect and restore species and their habitats. As we provide energy service to our customers, we also strive to be responsible stewards of the lands we own and where we operate and prioritize collaboration in our approach.

Our Approach

Habitat Conservation Plans: Protecting Federally-Designated Species

PG&E employs habitat conservation plans (HCP) to protect federally designated threatened and endangered species and their habitats, while enabling PG&E to maintain and operate our gas and electric infrastructure.

Under 30-year permits issued by the U.S. Fish and Wildlife Service, our entire service area has federal coverage for endangered species most likely to be found near our gas and electric infrastructure:

- Our San Francisco Bay Area HCP protects 18 wildlife species and 13 plant species throughout the nine Bay Area counties.
- Our San Joaquin Valley HCP protects 23 wildlife and 42 plant species within nine counties of the San Joaquin Valley.
- Our Multiple-Region HCP protects 24 animal and 12 plant species.

In 2022, our efforts protected, created, or restored 638 acres of habitat, and managed over 7,000 acres of existing restoration or conservation projects.

Protected and Restored Habitat¹

	2020	2021	2022
Acres set aside and protected	2,221	576	485
Acres of restored habitat	98	146	153
Acres actively managed for species and habitats	5,811	6,563	7,037

1. PG&E undertook these activities to meet various regulatory requirements.

Highlights:

- **Conserved 485 acres of species habitat across our service area** for six different threatened or endangered species.
- **Restored, enhanced, or created 153 acres of riparian and species habitat** for 14 threatened or endangered species.
- **Actively managed 7,037 acres across 47 properties** for a variety of species and habitats, an effort related to new and ongoing conservation commitments.
- **Secured and maintained the rights to conserve 2,803 acres** of habitat for various resources. These future transactions are related to ongoing HCP development and existing HCP conservation goals.
- **Purchased over 6 acres of species, habitat, or wetland credits for individual and programmatic permits.** This represents conservation of habitat for three different threatened or endangered species and three riparian/wetland habitat types.

State Programmatic Agreements and Permits: Protecting State-Designated Species

For California-designated endangered or threatened species, PG&E finalized a 30-year programmatic permit with the California Department of Fish and Wildlife (CDFW) for certain operations and maintenance activities in the nine Bay Area counties and the Mojave Desert.

These permits are the first of a kind in partnership with the agency and protect three species—the California Tiger Salamander, Alameda Whip Snake, and Freshwater Shrimp—for the Bay Area and the Desert Tortoise and Mojave Ground Squirrel for the Mojave Desert.



Through these permits, PG&E could conserve over 3,000 acres of additional habitat over the next 30 years in conjunction with conservation goals outlined in the Bay Area HCP. We will also potentially conserve over 1,500 acres of habitat in the Mojave Desert.

PG&E is developing additional, similar permits with CDFW to provide coverage for our work within the Central Valley and Central Coast.

Federal Land Programmatic Agreements

Climate change has increased the incidence of drought and wildfire risk in California. To reduce risks, PG&E is working to establish long-term operations and maintenance plans with the National Park Service and Bureau of Land Management. The plans will allow PG&E to more efficiently maintain our facilities for public safety and service reliability, including reducing the risk of wildfire ignitions related to our facilities.

The plans will establish enhanced processes that enable PG&E to carry out operations and maintenance work, along with consistent requirements for this work aimed at controlling or preventing damage to scenic, aesthetic, cultural, and environmental resources.

Once a long-term agreement is reached with the National Park Service, we expect it would replace annual special use permits for the eight national parks within PG&E's service area. The current permits facilitate expedited work review by the parks and allow PG&E to conduct wildfire safety and other operations and maintenance activities with pre-negotiated resource protection measures.

PG&E currently conducts wildfire prevention-related maintenance of our facilities on Bureau of Land Management lands under the guidance of the agency's Wildfire Instruction Memorandum for Electric Utilities. PG&E also has a 30-year operations and maintenance plan with the U.S. Forest Service covering eleven national forests.

Developing Mitigation Banks

PG&E is currently developing two "mitigation banks" on PG&E-owned lands. A mitigation bank is a natural area that has been restored, enhanced, or preserved to compensate for unavoidable impacts to resources that are protected by regulations.

Once approved, we anticipate that these lands will protect approximately 1,100 acres of tidal wetlands within the greater San Francisco Bay area, along with several species, including the endangered Clapper Rail bird and Salt-Marsh Harvest Mouse. These lands will also offer public access by leveraging the East Bay Regional Park District and their Bay Trail system.

Land Conservation Commitment

As part of our Land Conservation Commitment, PG&E is permanently protecting more than 140,000 acres through fee title donations and conservation easements on PG&E watershed lands to land donation partners, including:

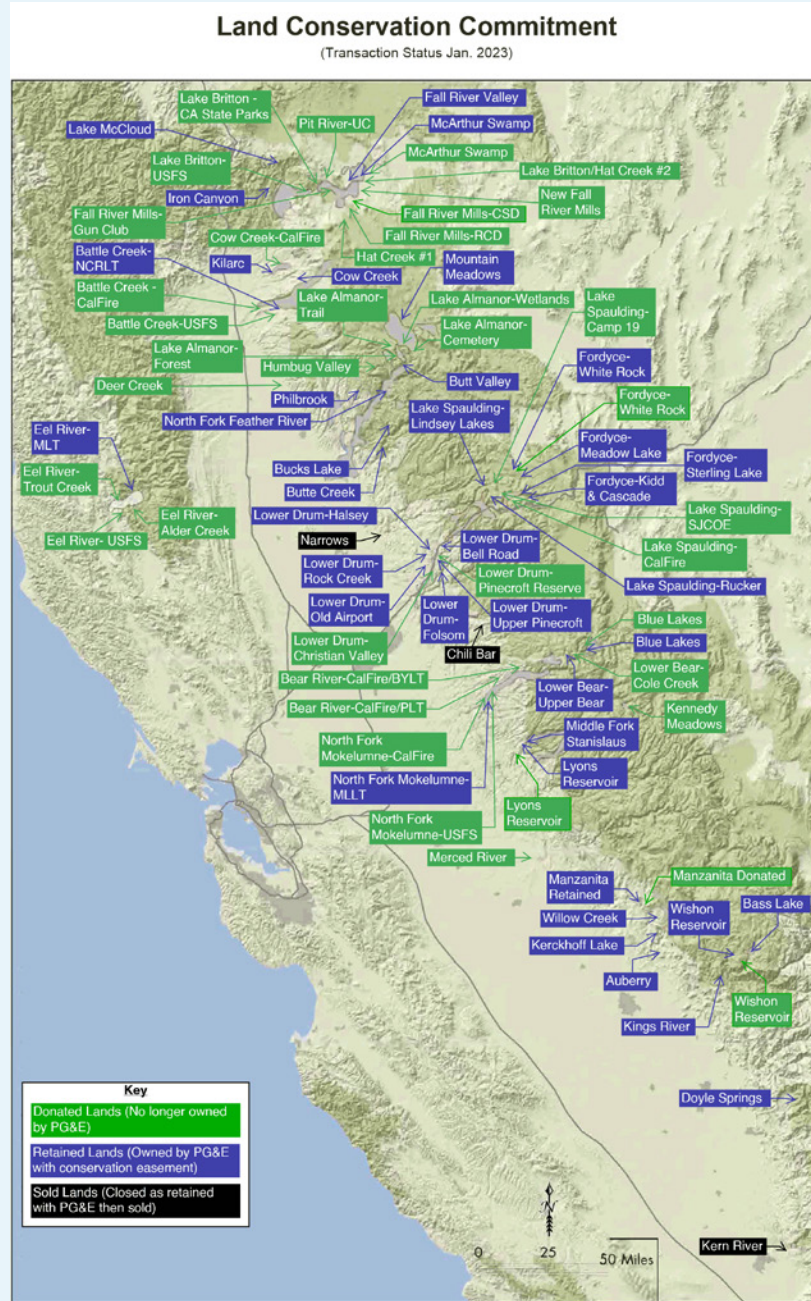
- Native American tribes
- State and federal agencies
- Counties and local resource districts

The Pacific Forest and Watershed Lands Stewardship Council, an independent nonprofit organization, identifies the organizations that receive the donations and oversees the conservation easements. Upon transaction completion, PG&E plans to actively manage and steward around 100,000 acres of land protected with a conservation easement.

Land Conservation Commitment

In 2022, we permanently protected 26,104 acres of land by completing 13 Land Conservation Commitment transactions. Fee donations were completed on nine separate PG&E properties, including the transfer of 6,914 acres to the California Department of Forestry and Fire Protection (CAL FIRE) that will be incorporated into the state's forestry research system.

Other fee property recipients included Pit River Tribe, Maidu Summit Consortium, and the University of California. Conservation easements were recorded on four separate PG&E properties. In 2023, we are working to successfully complete the remaining transactions for the Land Conservation Commitment program—a process that started about 20 years ago.



Managing Our Forested Lands

PG&E maintains 52,000 acres of forested land, partnering with local communities in wildfire prevention programs and collecting and storing seeds from PG&E-forested lands for future restoration purposes.

Environmental Stewardship of Our Hydroelectric Operations

We manage our hydroelectric facilities to enhance and, where possible, restore habitats for fish and other wildlife. As an example, PG&E made a decision in 2021 to remove Inskip Dam on Battle Creek instead of completing repairs. Battle Creek is an important watershed for the winter and spring run Chinook Salmon, and removing the dam will further help them to flourish. PG&E completed a temporary repair to safely operate the dam while we work on the permits to permanently remove the facility.

PG&E tracks key indicators of our performance related to maintaining and managing our hydroelectric system and the fish and wildlife habitats that it encompasses:

Environmental Stewardship in Our Hydroelectric Operations—2022

Miles of stream monitored for environmental conditions ¹	223
Acres of bird nesting territories monitored ²	9,687
Acres managed for noxious weed control	8,207
Acres monitored for use by special status species ³	62,981

1. Refers to miles of stream monitored for conditions such as water quality and flow, sediment management, habitat quality, fish populations, and invasive species.
2. Includes monitoring of bald eagle and other nesting territories at PG&E hydroelectric projects.
3. Special status species include those that are listed under the federal or state Endangered Species Acts or are otherwise given a specific designation by California or a federal resource or land management agency. Monitoring studies are required under various hydroelectric licenses.

Land Stewardship at Diablo Canyon

The property surrounding PG&E’s Diablo Canyon Power Plant (Diablo Canyon) encompasses 14 miles of scenic coastline and 12,000 acres of sensitive habitat, productive ranches, and panoramic open spaces.

Through collaborative measures, the Diablo Canyon Land Stewardship Program, run by PG&E coworkers, works to protect and manage the lands and resources of this stunning coastline. Together, this group closely monitors our land use, manages programs to provide visitors with access to the Pecho Coast and Point Buchon trails, and facilitates scientific research.

Highlights in 2022 included:

- Hosted about 19,700 hikers on Point Buchon Trail and 1,620 hikers on Pecho Coast Trail.
- Worked with California Polytechnic State University (Cal Poly) archaeology students to research the subsistence and settlement practices



Marc Horney, Cal Poly Associate Professor in Rangeland Resource Management, trains students to collect data to help determine appropriate levels of grazing on the Diablo Canyon lands.

of the original inhabitants of the Diablo Canyon lands, drawn from past archaeological work. In partnership with the yak tityu tityu yak tilhini Northern Chumash tribe, students analyzed and reported on artifacts, and prepared for a permanent collection to be curated locally.

- Worked with Cal Poly students to support a new ranch management plan for the property.

Protecting Birds through our Avian Protection Program

PG&E's Avian Protection Plan seeks to protect migratory, threatened, and endangered birds from harm, while improving safety and reliability for customers.

Since 2002, PG&E has made about 39,500 existing power poles and towers bird-safe. In that time, we have also retrofitted about 40,300 power poles in areas where bird injuries or fatalities or bird-related outages have occurred. In 2022, we replaced approximately 12,000 poles in designated "Raptor Concentration Zones" and built them to avian-safe construction guidelines.



Water

PG&E is committed to using water responsibly at our facilities and in our operations—and to helping our customers do the same.

Our Approach

Water is essential to operating our infrastructure—including our vast network of hydroelectric generating stations—just as it is essential to our customers in their daily lives. PG&E is promoting sustainable water use in a number of ways:

- Strategically managing our power generation facilities
- Reducing water consumption at PG&E offices and service centers
- Providing outreach and guidance to customers on how to reduce water usage

PG&E also reports our water data and strategies to the CDP.

Power Generation

At our Diablo Canyon Power Plant, we use saltwater from the Pacific Ocean for once-through cooling, with a maximum discharge of 2.5 billion gallons per day, set by the facility's Clean Water Act permit. PG&E closely monitors the marine environment at the plant by conducting regular studies and sampling, also required under the plant's Clean Water Act permit.

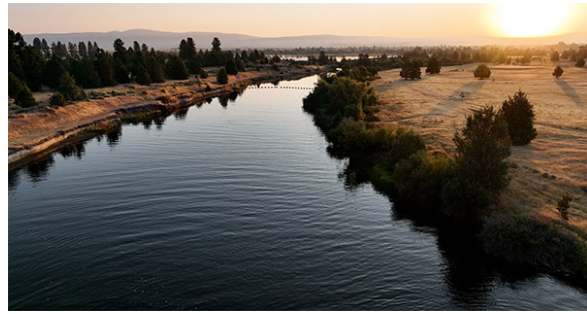
PG&E relies fully on air cooling at two of our three natural gas power plants: Humboldt Bay Generating Station and Colusa Generating Station. At Gateway Generating Station, we use air cooling the majority of the time and use a small water cooling tower on hot days to assist in cooling for operations and power generation.

Additionally, PG&E owns and operates one of the nation's largest investor-owned hydroelectric systems. Our hydroelectric power plants are largely non-consumptive, meaning that after water passes through turbines to produce electricity, it is returned to the river. In addition, PG&E's 1,212 MW Helms Pumped Storage Project uses water for energy storage to help balance daily variations in electric demand.

Water Conservation

PG&E's offices and service centers rely on water for restrooms, kitchens, mechanical system cooling, vehicle washing, and landscape irrigation. We work to identify, report, and repair leaks quickly; manage our irrigation systems; install low-flow plumbing fixtures; and replace landscaping with drought-resistant approaches.

PG&E also offers customers a range of options to help them reduce their water use, such as direct installation of low-flow shower heads and faucet aerators. We also deliver free wood mulch to homes and businesses to help them reduce water needed for plants and trees.



2022 Milestones

- **Reduced water use at our facilities** by deploying a program to monitor, analyze, and optimize water management technology at 27 different facilities. The program alerts facility managers about unusual water usage via real-time readings. Detected leaks are immediately repaired, and other high use cases are investigated to encourage conservation. As a result of this and other sustainability efforts, overall water usage dropped by 9.5% and water use intensity fell by 12% relative to 2021.
- **Helped customers save water.** Altogether, customers who participated in PG&E's programs reduced water usage by over 56 million gallons in 2022, based on our most common energy-efficiency measures that deliver water savings.
- **Hosted the 19th-annual Water Conservation Showcase**, which covered the water-energy nexus, landscape design, California's water future, and other topics with a range of water districts, universities, and other institutions.
- **Repurposed over 900,000 gallons of water used in hydrostatic testing for beneficial reuse**, including toward irrigation, dust suppression, backfill compaction, and reseeded and watering disturbed areas to return them to their pre-project state.

Water Use Statistics

	2020	2021	2022
Water Withdrawal (Saltwater and Freshwater) (thousand gallons)			
Process and Facilities Water (Saltwater)			
Diablo Canyon Power Plant ^{1,2}	834,911,227	858,516,098	835,566,954
Once-Through Cooling	834,539,000	858,120,000	835,186,000
Reverse Osmosis	372,227	396,098	380,954
Domestic and Process Water (Freshwater)			
Diablo Canyon Power Plant ³	16,200	8,176	3,600
Humboldt Bay Generating Station ¹	217	215	336
Gateway Generating Station ¹	16,251	21,004	1,585 ⁴
Colusa Generating Station ¹	22,733	20,633	26,072
Facilities (Freshwater)			
Offices and Service Centers ⁵	120,388	108,867	72,150
Permitted Water Systems ⁶	133,748	114,293	117,909
Hydrostatic Testing (Freshwater)			
Water for Testing	2,520	1,156	2,318
Water Discharged (Saltwater and Freshwater) (thousand gallons)			
Water Discharge (Saltwater)⁷			
Diablo Canyon Power Plant	834,758,952	858,354,058	835,411,109
Domestic and Process Water (Freshwater)			
Diablo Canyon Power Plant (Permitted Discharge)	150,726	160,171	164,293
Humboldt Bay Generating Station (Sanitary Sewer)	98	117	240
Gateway Generating Station (Sanitary Sewer)	10,836	12,198	10,089
Colusa Generating Station ⁸	0	0	0
Hydrostatic Testing (Freshwater)			
Water from Testing ⁹	1,891	973	913

1. Net operating capacity on December 31, 2022: Diablo Canyon: 2,240 MW; Humboldt Bay Generating Station: 163 MW; Gateway Generating Station: 580 MW; Colusa Generating Station: 657 MW.

2. The California Water Board adopted a policy in 2010 that generally requires power plants with once-through cooling to install cooling towers or other significant measures to reduce marine impacts by at least 85%. Diablo Canyon must comply with this policy by November 2024 for Unit 1 and August 2025 for Unit 2. In January 2018, the CPUC approved a joint proposal to retire Diablo Canyon at the end of its current Nuclear Regulatory Commission licenses, November 2024 and August 2025. Until plant retirement, Diablo Canyon will pay an annual interim mitigation fee as required by the California Water Board policy. Following passage of SB 846, Diablo Canyon is concurrently pursuing a relicensing extension in addition to decommissioning efforts; this legislation allows for a once-through cooling exemption for the plant.

3. Freshwater sources consist of well water for backup and emergency purposes.

4. Water withdrawal data was significantly lower in 2022 due to an issue with the flowmeter from the water supplier. This issue has been resolved.

5. These figures represent data from office facilities and service centers for the 12 months from October to September. In 2022, 140 sites reported water data.

6. PG&E monitors water usage at permitted public water systems owned and operated by PG&E. These systems are metered in accordance with state regulations. More than three-fourths of the total water withdrawal by permitted systems in 2022 was comprised of remediation and process water used at the Hinkley Compressor Station.

7. These figures include once-through cooling discharge (equivalent to withdrawal amounts) plus estimated reverse osmosis system brine/backwash discharge.

8. Colusa Generating Station uses a zero-liquid discharge system. A septic system is used to manage sanitary waste.

9. In 2022, approximately 40% of the water used in hydrostatic testing was recycled or reused for irrigation, dust control, or project restoration.



Air, Waste & Remediation

PG&E is committed to reducing air emissions and waste from our facilities and operations, while also addressing impacts to the environment from our historic operations in accordance with today's regulatory standards.

Our Approach

Air Emissions

PG&E operates three natural gas-fired power plants with best-in-class emissions levels. To comply with local air quality regulations, PG&E is focused on minimizing air emissions from these conventional sources of power generation.

Waste Diversion at Facilities and Operations

PG&E strives to minimize the overall amount of waste we generate, while composting organic waste and recycling non-hazardous materials such as glass, paper, and certain metals. We also reuse furniture and other service center and office materials through our furniture asset re-use management warehouse.

We also manage a robust program to recycle metals and other miscellaneous materials from used conductors, transformers, meters, and other equipment.

Hazardous and Other Waste

As part of our ordinary course of business, certain activities generate hazardous wastes. PG&E handles all hazardous waste in accordance with federal and state regulations. Our approach includes providing training and guidance to coworkers to ensure waste is properly managed from the point of generation to recycling or disposal.

Applicable federal and state hazardous waste management statutes include the Resource Conservation and Recovery Act and the Toxic Substances Control Act under federal requirements and Title 22 of the California Code of Regulations and the California Health and Safety Code. California laws and regulations are more stringent and encompass broader waste streams than federal requirements.

Remediation of Historical Impacts

As part of PG&E's commitment to safety and environmental responsibility, we work to address contamination resulting from Pacific Gas and Electric Company's and its predecessor companies' historical facilities dating as far back as the mid- to late-1800s. Our commitment includes being a good corporate neighbor by conducting our remediation projects safely and sustainably.

For more than two decades, we have partnered with regulatory agencies, cities, and communities to implement our sustainable remediation approaches. We continue to learn, adapt, and implement the best available science and cleanup technologies to minimize community impacts and lower greenhouse gas emissions. These activities, in turn, deliver health, safety, economic, and social benefits to the communities we serve.

Engaging our community stakeholders early and often is a vital component of our efforts. Locally, we communicate with city leaders, local businesses, community groups, and residents to promote awareness, solicit feedback, and identify issues of interest in our projects. We partner on initiatives to address these issues, including local hiring, workforce training, and local school STEM initiatives. Often our remediation efforts facilitate additional community investment, such as brownfield redevelopment, infill, and affordable housing.



Measuring Progress

Air Emissions

The following figures reflect emissions from PG&E-owned generation sources.

Air Emissions¹

	2020	2021	2022
Total NO_x Emissions (tons)	141	139	121
Humboldt Bay Generating Station	33	32	23
Gateway Generating Station	66	76	58
Colusa Generating Station	42	30	39
NO_x Emissions Rates (lbs/MWh)			
Humboldt Bay Generating Station	0.14	0.12	0.10
Gateway Generating Station	0.05	0.04	0.05
Colusa Generating Station	0.03	0.03	0.03
Fossil Plants ²	0.04	0.05	0.04
All Plants ³	0.01	0.01	0.01
Total SO₂ Emissions (tons)	15	14	11
Humboldt Bay Generating Station	1	1	1
Gateway Generating Station	7	9	6
Colusa Generating Station	7	5	4
SO₂ Emissions Rates (lbs/MWh)			
Humboldt Bay Generating Station	0.004	0.003	0.004
Gateway Generating Station	0.005	0.005	0.005
Colusa Generating Station	0.005	0.004	0.003
Fossil Plants ²	0.005	0.005	0.004
All Plants ³	0.001	0.001	0.001
Total Particulate Matter Emissions (tons)	107	112	96
Humboldt Bay Generating Station	57	66	53
Gateway Generating Station	20	24	17
Colusa Generating Station	30	22	26
Total CO Emissions (tons)	42	36	47
Humboldt Bay Generating Station	18	18	19
Gateway Generating Station	8	4	9
Colusa Generating Station	16	15	19
Total VOC Emissions (tons)	64	72	58
Humboldt Bay Generating Station	51	59	47
Gateway Generating Station	7	9	6
Colusa Generating Station	6	4	5

1. Amounts may not sum due to rounding. Additionally, there were no reportable mercury air emissions from PG&E's facilities during 2020 to 2022.

2. Collective emission rates for Humboldt Bay, Gateway, and Colusa Generating Stations.

3. Includes all PG&E-owned generation sources, including fossil fuels, nuclear, hydroelectric, and renewable energy.

Waste Diversion at Facilities and Operations

We generated approximately 16% less solid waste in 2022; however, our waste diversion rate decreased slightly to 82%, largely due to the return to offices and changes in the number of facilities we manage.

Waste Diversion at Facilities¹

	2020	2021	2022
Total Waste Generated (tons)	12,115	15,677	13,097
Total Waste Diverted (tons)	9,735	13,183	10,680
Waste Diversion Rate	80%	84%	82%

1. The tonnage data reflects all of the non-hazardous municipal waste at 103 to 135 office facilities and service centers for the 12 months from October to September.

Other waste reduction efforts in 2022 included:

- Recycling 64.3 million pounds of scrap iron, aluminum, and copper from conductors, steel, meters, transformer oil, and miscellaneous material. We recycled 21.3 million pounds of transformers; 1.2 million pounds of recovered meters; 132,680 pounds of high-density polyethylene plastic, including pipes and hard hats; about 3 million pounds of transformer oil; and 8.4 million pounds of miscellaneous materials such as glass and cardboard.
- Recycling 368 tons of e-waste, including consumer electronic devices, CPUs, monitors, servers, printers, and other equipment.
- Reusing 448 tons of furniture and other service center and office materials through our furniture asset re-use management warehouse.

Embedding Waste Reduction in Workspace Planning

As part of our ongoing effort to optimize our network of facilities, PG&E closed or reconfigured more than 30 sites as open workstations. In these locations, our Enterprise Records and Information Management team partnered with coworkers to retain records and shred and recycle unneeded paper.

Hazardous and Other Waste

The following table provides statistics on PG&E's waste generation. While PG&E works to reduce hazardous waste, certain projects such as infrastructure upgrades or remediation of historical contamination may increase the amount generated in a given year.

Hazardous and Other Waste

	2020	2021	2022
Total Hazardous Waste (tons)	16,713	30,298	65,891
RCRA ¹ Hazardous Waste	883	6,665	3,560
TSCA ² Hazardous Waste	319	837	476
California Regulated Hazardous Waste	15,511	22,796	61,855
Federal Regulated Hazardous Waste (TSCA)—includes PCB Waste ≥ 50 ppm PCB (tons)			
Total	319	837	476
Incineration	181	366	48
Landfill	23	295	410
Recycled	115	176	18
% Recycled	36%	21%	4%
California Regulated Hazardous Waste (Non-RCRA)³ (tons)			
Total	15,511	22,796	61,855
Disposed/Incineration	13,556	20,162	59,805
Recycled	1,955	2,634	2,051
% Recycled	13%	12%	3%
Other Waste			
Universal Waste⁴ (tons)			
Total	129	389	491
Recycled	129	389	491
% Recycled	100%	100%	100%
Low-Level Radioactive Waste			
Diablo Canyon Power Plant			
Disposed (pounds)	313	468	357
Humboldt Bay Power Plant ⁵			
Disposed (pounds)	7	0	0
Radioactively Cleared Waste⁶			
Diablo Canyon Power Plant			
Disposed (pounds)	154,747	122,779	117,785
Recycled Materials from Power Plants			
Diablo Canyon Power Plant			
Copper (pounds)	1,840	0	0
Lead (pounds)	0	0	178

1. Refers to the Resource Conservation and Recovery Act.

2. Refers to the Toxic Substances Control Act.

3. These figures include polychlorinated biphenyl (PCB) waste < 50 ppm PCB.

4. Universal waste is comprised of seven categories: electronic devices, batteries, electric lamps, equipment with mercury, cathode ray tubes (CRT), glass from CRTs, and non-empty aerosol cans. Numbers shown here exclude electronic waste (electronic devices with or without CRTs).

5. PG&E completed decommissioning the former nuclear unit at the Humboldt Bay Power Plant including site restoration and remediation efforts in 2020.

6. Radioactively Cleared Waste includes items such as chairs, tables, filing cabinets and waste from non-contaminated areas that a contracted waste processing firm has surveyed and cleared for alternative disposal.

Remediation of Historical Impacts

We continued our progress to address over 40 Manufactured Gas Plant (MGP) sites previously owned or operated by PG&E or its predecessor companies. To date, over 30 of these sites have been successfully remediated.

- We worked closely with the site developer at the former Potrero MGP and power plant site to establish an expedited approach to simultaneously address our historical impacts and accelerate site redevelopment. The site will become a mixed-use development with several thousand housing units and nearly eight acres of open space and will provide public access to a portion of the San Francisco waterfront for the first time in nearly 150 years.
- We initiated remediation efforts at the former Vallejo MGP. The site has long been designated as a critical development opportunity to activate Vallejo's waterfront and stimulate reinvestment in this economic, community gathering, and transportation hub.

At our Shell Pond site near Pittsburg, we continue to implement a managed natural recovery program, which will treat an impacted former water pond using a natural process that includes new compost and vegetation. To date, approximately 40% of the new vegetation has been planted and maintained.

- In partnership with Sacramento State University and Riverview Middle School, we facilitated on the ground learning about wetlands and sustainable cleanup technologies.

At the Topock Compressor Station, we are implementing a California Department of Toxic Substances Control (DTSC)- and U.S. Department of the Interior-approved groundwater remedy to address historic impacts and ensure the long-term protection of the community and the Colorado River.

- The remedy is designed with an in-situ treatment approach, using natural bacteria to treat the chromium in the ground. Through in-situ treatment, approximately 40% of chromium present in the groundwater has been successfully removed.

At the Hinkley Compressor Station, we estimate that about 80% of the chromium present in the groundwater was removed through 2022.

- We treat chromium in two ways at this site: using in-situ treatment to immobilize the chromium underground and pumping the water and using it for farming; the organic soils transform the chromium into an immobile form.
- We have partnered with local farmers to adjust irrigation pumping patterns in the area, to not only address our chromium objectives in a sustainable way by growing crops, but also to help with area-wide legacy nitrate pollution from historical farming and ranching activities in the valley. Our chromium treatment has simultaneously removed over 300 tons of nitrate from the local aquifer.

By incorporating sustainable practices at our remediation sites, we reduced greenhouse gas emissions by more than 400 metric tons and liquid wastes by more than half a million gallons in 2022. We achieved these results by:

- Using heavy construction and remediation equipment meeting Tier 3 and Tier 4 federal emission standards, reflecting the cleanest standards in the industry
- Using alternative fuels and renewable sources of energy for equipment and vehicles
- Maximizing recycling, on-site reuse of materials, and reductions in liquid and soil wastes generated during remediation
- Recycling nearly 2,000 tons of offsite waste

We also added \$9 million to the local economies near our project sites by sourcing our equipment and vendors from the local community.



California's Prosperity

As a local provider of electricity and natural gas, we're working every day to help our customers and hometowns prosper. The investments we're making to deliver a safe, reliable, affordable, and clean energy future support economic development and job creation. We also believe clean energy needs to be affordable for and inclusive of all economic backgrounds. We are addressing energy affordability and equity in collaboration with our regulators and community partners.

2022 Highlights



Supporting Energy Affordability

67,000+

Provided weatherization, energy efficiency solutions, and appliances to more than 67,000 income-qualified households through our Energy Savings Assistance Program, with average bills savings of about \$795.



1.47 million

Provided 1.47 million income-qualified customers with a monthly discount on their bill through the CARE program.



Promoting Economic Vitality

150

Completed installations for nearly 150 customers participating in our electrification pilot in the San Joaquin Valley, eliminating the use of propane and wood burning appliances in several disadvantaged communities without access to natural gas.



15th

Graduated our 15th year of PowerPathway™, an innovative program that helps people, including women and military veterans, prepare for high demand jobs in the utility and energy industry.



There have been more than 1,180 PowerPathway™ graduates since the program's inception in 2008.

\$4.7 B

Spent over \$4.7 billion or 39.3% of our total procurement expenditures with diverse suppliers, the highest dollar spend in the history of our supplier diversity program.



Giving Back to Our Communities

5,000+

Raised \$6 million in employee pledges in our annual Campaign for the Community—reaching more than 5,000 organizations.



\$22.3 M

Contributed \$22.3 million to charitable organizations through our Better Together Giving Program.



Our coworkers contributed nearly 30,000 volunteer hours in 2022 to support our hometowns.



Engaging Customers

At PG&E, we value the rich diversity of the customers and communities we serve, and we strive to continuously support our hometowns.

Our Approach

Led by Pacific Gas and Electric Company's Executive Vice President and Chief Customer Officer, we are working to deliver the best experience for each and every customer. This includes using data-informed insights to improve the customer experience, localizing our presence and strategies in the communities we serve, and empowering customers with greater choice and control over how they manage their energy use. We also continuously integrate customer feedback to develop, enhance, and improve our products and services.

Serving Customers Locally

Our Regional Service Model continues to bring our operational leadership closer to our customers. Our regional teams live and work in their local communities and lead cross-functional efforts within each PG&E region to address local issues and incorporate the needs and concerns of our customers into operating decisions.

Integrating Feedback

PG&E regularly uses customer surveys, focus groups, online customer panels, and other forms of research to obtain feedback and insights that help drive our decision-making and improve how we serve our customers. We also host customer collaboration sessions to hear from and collaborate with customers on improving service solutions.

Engaging Stakeholders



Proactive engagement helps shape our thinking about how to deliver better outcomes for our customers and the many constituencies we serve.

We engage with a number of stakeholder groups on a regular basis, including:

- **Sustainability Advisory Council**, which provides independent expertise to help ensure that PG&E's business strategy, operations, and future energy network incorporate sustainability best practices
- **California Community Advisory Group**, which serves as a forum for the exchange of ideas between PG&E and a diverse mix of community-based and civic organizations
- **Undergrounding Advisory Group**, which provides a forum for PG&E to share information and receive input and ideas on our 10,000-mile Undergrounding program
- **Customer Advisory Group**, which provides a forum to strengthen our strategic engagement with large customers to better serve them and meet their needs
- **Local Stakeholder Advisory Groups**, which discuss major projects and topics relevant to the local area

We also convene various advisory groups for specific areas, including:

- **People with Disabilities and Aging Advisory Council**, an externally focused advisory council comprised of a diverse group of recognized leaders from community-based organizations (CBOs) who support our most vulnerable customer populations
- **Communities of Color Advisory Group**, which provides guidance on outreach strategies to effectively communicate rate options and energy affordability programs to diverse and hard-to-reach communities
- **Clean Transportation Program Advisory Council**, which provides feedback and guidance on PG&E's electric vehicle programs
- **Diablo Canyon Decommissioning Engagement Panel**, which provides diverse community viewpoints to help inform PG&E's site-specific decommissioning plan on future land use and repurposing recommendations

Customer Engagement on Wildfire Programs

We continue to engage with customers and educate them on our Community Wildfire Safety Program as we respond to California's continued wildfire risk. The program includes critical layers of protection to help prevent wildfires, improve reliability, and reduce costs over the long term.

We know that losing power disrupts lives, especially for customers who rely on power for medical devices or medications. To reduce the impacts of PSPS and EPSS events, we are listening to our customers and responding to feedback by providing more information and better resources.

PG&E maintains the Safety Action Center, a dedicated online safety resource featuring helpful information about wildfire risks and what customers can do to keep their homes, families, and businesses safe, including tips on how to create an emergency plan, emergency preparedness guides and videos, and links to the statewide Power of Being Prepared campaign and other resources.

Due to weather conditions, program improvements, and the integration of other wildfire-mitigation tools, we did not initiate a PSPS event in 2022. Yet, we took a number of steps to prepare and reduce the impact of wildfire safety outages:

- Expanded eligibility for our customer resiliency programs to reach more customers potentially impacted by wildfire safety outages from PSPS and EPSS:
 - Delivered 9,600+ portable batteries
 - Provided 2,100+ rebates for generators and batteries
 - Installed 1,300+ backup power transfer meters
- Conducted extra outreach to Medical Baseline customers, including additional notifications, wellness check phone calls, or home visits, to help enable customers to make preparations to stay safe before a PSPS event
- Provided emergency information in 16 languages and partnered with CBOs to conduct multilingual outreach
- Increased meal replacement options from local food banks to cover every county likely to be impacted by PSPS events
- Improved customer notifications when outages occurred on EPSS-enabled lines and conducted additional outreach to customers and communities impacted by outages on EPSS-enabled circuits. Outreach included automated calls, email updates, and webinars sharing information about recent outages and PG&E actions to improve reliability

PG&E also reserved approximately 80 MW of temporary generation in 2022 to be deployed to mitigate the impacts of wildfire safety outages.

Strengthening PG&E's Engagement with Tribes



As part of our ongoing engagement with the many Native American tribes we serve, Patti Poppe has visited Middletown Rancheria and Blue Lake Rancheria to meet with tribal leadership and staff.

PG&E actively works to strengthen our engagement with tribal governments to better serve them. We're also building internal capacity within PG&E through training for coworkers on tribal cultural awareness, tribal governmental structure, and tribal expectations of PG&E. Highlights from 2022 included:

- Worked to understand the impacts of wildfire safety outages and other service disruptions through:
 - Listening sessions with tribal governments
 - Regional working groups with tribal governments
 - Wildfire safety working sessions with tribes and counties
 - Support during all-hazard events and emergencies
- Visits by PG&E senior leaders with tribal governments, including between our CEO and tribal leadership on a tribal reservation
- Distributed a quarterly tribal newsletter covering our income-based programs
- Developed a Tribal Mini Grant to help with enrollment in our financial assistance programs, prioritizing the Access and Functional Needs (AFN) community
- Engaged with the California Rural Indian Health Board in their request for Congressional support to obtain funding for backup generation for all tribal health facilities in California. We also partnered to identify support programs for the AFN community within tribes.
- Coordinated with tribes to deploy PG&E's self-generation and community microgrid programs on tribal lands
- Worked with tribal food distribution programs to provide support for food security on tribal lands and engaged with tribal housing programs to provide financial support for all-hazard events
- Supported STEM education training through a solar suitcase workshop where tribal educators and leaders from Sogorea Te'Land Trust and Winnemen Wintu learned about solar and backup power for their reservations

Beyond these efforts, we are working with tribal governments to develop memoranda of understanding that cover expectations for our work together. We also continue to implement the CPUC's land transfer policy to allow tribes the right of first refusal for PG&E land transfers.

Making It Easy

Pacific Gas and Electric Company's website (www.pge.com) offers customers an easy and convenient way to manage their account online—whether on a desktop computer, laptop, tablet, or mobile phone.

Customers can view and download their hourly usage and cost data, in addition to comparing their usage to that of similar homes in their neighborhood. The website also features an updated outage map with an improved search function and information on service offerings during PSPS events.

Our Home Energy Checkup and Business Energy Checkup tools allow residential and small and medium business customers to find energy savings ideas by providing tips and savings recommendations to help them manage their energy costs.

Our energy statements provide clear and easy-to-understand information, and a growing number of our customers have chosen to enroll in our paperless billing option. We offer our customers a variety of payment options, including automatic payments by debit or credit cards.

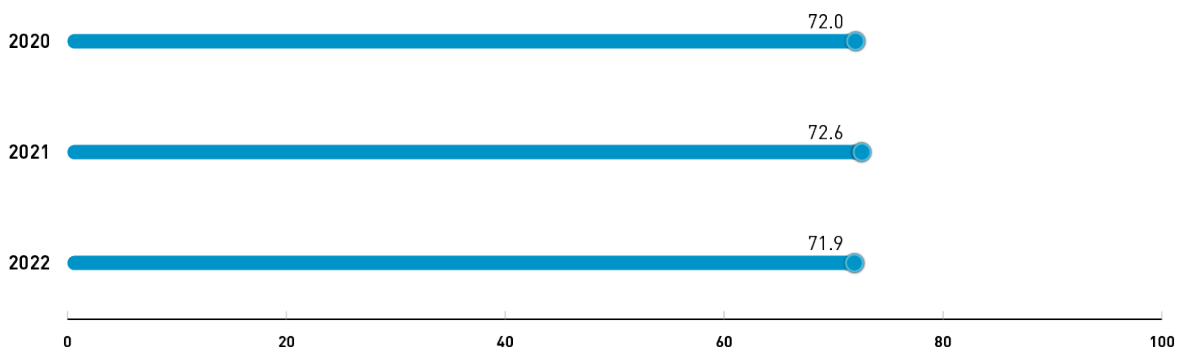
Customers can start, transfer, or stop service via our website; they can also schedule appointments to relight their gas pilot lights online. The website allows customers to sign up for numerous service-related alerts, including outage, billing and payment, and appointment notifications. Energy Alerts will notify customers when their energy usage is on the rise and allow them to use My Rate Analysis to make sure they are on the right rate plan.

In addition to digital offerings, PG&E continues to offer self-service capabilities over the phone, such as reconnection service via our Interactive Voice Response technology. Many of our communications are also available in multiple languages and formats, including English, Spanish, Chinese, Vietnamese, Tagalog, Braille, and large print.

Measuring Progress

We are committed to improving satisfaction for both residential and business customers. We closely monitor our Customer Satisfaction Score and act based upon customer feedback. In recent years, customer satisfaction with PG&E has remained statistically consistent despite challenges such as extreme weather conditions and pressure on market prices for energy.

Measuring Customer Satisfaction¹



1. To measure customer satisfaction, we use a random-sample, proprietary customer survey that is conducted by an independent third party. The customer satisfaction score is determined by averaging customers' overall satisfaction with our products and services using a 1 to 10 scale, indexed to a score from 1 to 100.1

We also promote paperless billing and track the percentage of paperless bills we issue. In 2022, 52.9% of the bills we issued were paperless, slightly below our goal of 56.4%.



Energy Affordability & Equity

At PG&E, we're focused on providing all customers with clean energy service that is accessible, affordable, and equitable. Our wide range of energy efficiency programs helps customers reduce their energy use and save money. We also offer financial assistance programs to help customers who are facing financial challenges, who live in underrepresented communities, or who face issues related to environmental and social justice.

Our Approach

Energy efficiency programs play an essential role in energy affordability. Our website includes an extensive set of energy-saving tips and support to locate energy efficient appliances and equipment. It also provides tools, like Home Energy Checkups and Home Energy Reports, that help customers analyze their usage and pinpoint ways to save.

PG&E has transitioned to a new model where most energy efficiency programs are proposed, designed, and delivered by third parties. The goal of this approach is to scale energy efficiency cost effectively and make energy-efficiency offerings easier for customers to access.

Beyond the rebate programs, PG&E offers an Energy Savings Assistance Program designed specifically for customers with incomes under 250% of the federal poverty level. This program provides an array of weatherization, energy efficiency solutions, and appliances at no cost to qualifying households and serves approximately 65,000 customers annually.

In addition, PG&E works closely with customers facing financial challenges. PG&E has programs to accommodate every customer's financial circumstance, including:

- **The California Alternate Rates for Energy (CARE) Program**, which offers a monthly discount on energy bills for income-qualified households and housing facilities. Qualifying households can save 20% to 35% on their energy bills.
- **Budget Billing**, which spreads costs out evenly over the year to keep monthly payments predictable and eliminate swings in monthly energy bills caused by seasonal changes in usage.
- **The Relief for Energy Assistance through Community Help plan**, which pays up to \$500 of the energy bill for income-qualified customers experiencing a crisis that prevents them from paying their gas or electric bill. This assistance program, funded in part with charitable dollars from

shareholders, as well as donations from customers and employees, is administered by Dollar Energy Fund.

- **The Family Electric Rate Assistance (FERA) Program**, which provides an 18% monthly discount on electric bills for income-qualified households of three or more people.

In addition, discounts are available for customers who have special energy needs due to certain qualifying medical conditions through our Medical Baseline Program.

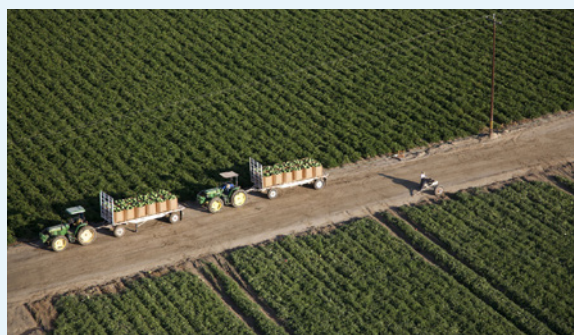
PG&E also offers an Economic Development Rate to businesses considering locating in California, relocating from California to other states, or closing their existing California operations.

Electrification in Disadvantaged Communities

The San Joaquin Valley Electrification Pilot is designed to reduce pollution and lower overall energy costs by eliminating the use of propane and wood burning appliances in 11 disadvantaged communities without access to natural gas.

Eight of these communities are located in PG&E's service area where approximately 1,200 customers are served. PG&E administers the pilot for three of these communities, which include approximately 300 households. The other communities have a third-party pilot administrator, separate from PG&E.

Through 2022, within the PG&E-administered communities, 214 customers completed applications, 194 completed home assessments, and 148 completed installations, with 10 customers remaining to complete installations in 2023.



2022 Milestones

Financial Assistance Programs

- **CARE:** About 1.47 million customers received discounts through the CARE program in 2022. Since the program's inception in 1989, PG&E CARE customers have saved more than \$12 billion on their energy bills.
- **Budget Billing:** Approximately 166,000 customers participated in the Budget Billing program in 2022.
- **FERA:** Approximately 37,000 customers, or 21% of those who were estimated eligible in 2022, received discounts through the FERA program. Since the program's inception in 2004, PG&E FERA customers have saved more than \$114 million on their energy bills.

We continue to contribute to local economic and community vitality through our Economic Development Rate, which offers eligible businesses reduced electric rate options. Nearly 120 companies have signed up for the rate since 2014, creating or retaining more than 21,000 local jobs and enhancing economic vitality in communities across PG&E's service area.

Measuring Progress

Many PG&E customers experienced higher-than-normal energy costs in the winter months. Energy supply prices—what PG&E pays for natural gas and electricity to serve our customers—were higher in the winter of 2022-2023 compared to 2021-2022. PG&E does not control the market prices for gas and electricity, and like other utilities, does not mark up the cost of gas or electricity that it purchases on behalf of its customers.

Higher natural gas prices were sustained on the West Coast from November 2022 through February 2023. The western natural gas markets had not experienced prolonged, elevated gas prices like this in their history. Prices were driven by market forces, including increased natural gas demand due to colder than normal temperatures; increased demand for gas-fired electric generation due to less hydroelectric generation and fewer electricity imports; lower Pacific gas storage inventory; and pipeline delivery constraints.

Strengthening our Focus on Environmental and Social Justice

At PG&E, we recognize our responsibility to understand and respect the needs of our neighbors, including low-income communities and Black, Indigenous, and people and communities of color. Our efforts are guided by our Environmental and Social Justice (ESJ) Policy, which we updated in 2022.

As part of our long-standing commitment, PG&E has maintained a dedicated ESJ Manager to coordinate our efforts from an operational and policy perspective, including engaging with external stakeholders and assisting with internal capacity building as part of a broader companywide effort to better address the needs of disadvantaged and vulnerable communities.

Examples of our ESJ Policy in action include:

- Training more than 400 coworkers—including PG&E's Officer team—to build the competencies to reduce our impact and improve our collaboration with ESJ communities
- Convening an internal ESJ Working Group to build an action plan and strengthen our internal governance on ESJ initiatives
- Maintaining our focus on providing affordable energy service and offering financial assistance programs to help customers who are facing financial challenges
- Continuing our long history of support for supplier diversity and the growth and development of small and diverse businesses

Our ESJ Policy aligns with our Human Rights Policy, adopted in 2021, which states that we will conduct our business in a manner that respects the human rights of all.

We also strongly support a comprehensive, statewide air protection program and were actively engaged in the development of AB 617, which directs CARB to develop and deploy a community air monitoring and community emissions reduction program in the highest priority communities. We continue to support community stakeholders and CARB in the implementation of community air-protection programs.



During the run-ups of natural gas prices during the winter, PG&E was able to save customers over \$1 billion in its purchases of natural gas through a series of measures including:

- Maintaining a diversified natural gas portfolio that includes access to interstate pipeline capacity from three natural gas production basins
- Drawing from our natural gas storage reserves, which were full at the beginning of the winter
- Using financial hedging to protect against rising winter prices

PG&E is also working to keep overall customer cost impacts at or below inflation in the long term.

PG&E is taking actions to stabilize bills for the future, including undergrounding powerlines to reduce recurring maintenance costs and pursuing federal and non-traditional funding to fund some costs of making the energy system safer and more climate resilient. Through our Lean Operating System, we are also finding ways to drive down costs as we invest in California's infrastructure.

Benchmarking Energy Bills

PG&E benchmarks our average residential bills for gas and electric service, using figures compiled by the U.S. Energy Information Administration (EIA).

The average PG&E residential bundled electric customer paid \$149.85 per month, which was higher than the national average. Data is from 2021, the most recent year for which comparative data is available.

The average PG&E residential gas customer paid \$60.40 per month, which was lower than the national average. Data is from 2021, the most recent year for which comparative data is available.

Average Monthly Electric Bills¹ (2021)

U.S. Average	\$120.78
PG&E	\$149.85
Mountain	\$104.60
East North Central	\$109.73
Middle Atlantic	\$111.44
West North Central	\$112.41
Pacific Contiguous	\$118.95
South Atlantic	\$129.03
New England	\$129.12
West South Central	\$130.20
East South Central	\$134.62
Pacific Noncontiguous	\$160.34

1. Source: EIA Annual Electric Power Industry Report, Form EIA-861- schedules 4A & 4D and EIA-861S

Average Monthly Gas Bills¹ (2021)

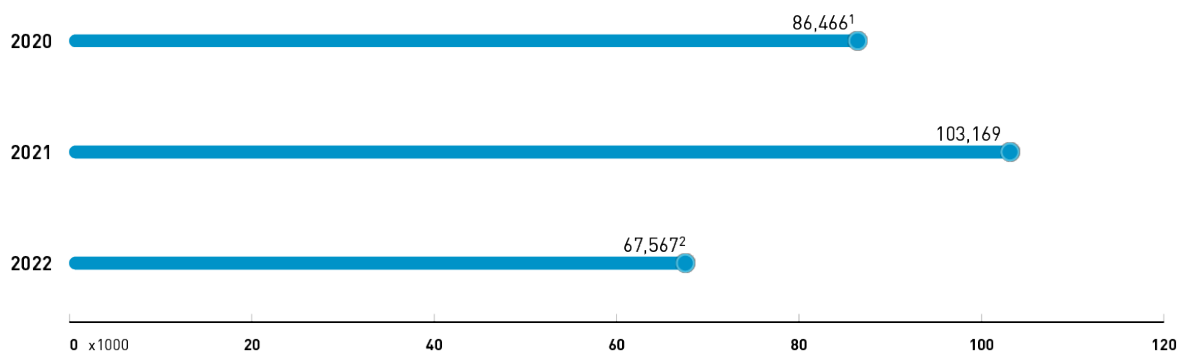
U.S. Average	\$63.40
PG&E	\$60.40
Mountain	\$47.56
West South Central	\$49.57
East South Central	\$53.92
Pacific Contiguous	\$55.76
West North Central	\$60.49
South Atlantic	\$61.80
East North Central	\$69.43
Middle Atlantic	\$82.22
New England	\$103.97
Pacific Noncontiguous	\$131.73

1. Source: EIA-176, residential (excludes residential transport only)

Energy Savings Assistance Program

PG&E's Energy Savings Assistance Program helps income-qualified customers who are also CARE customers reduce energy use and better manage costs through a variety of energy-education and energy-efficiency measures, including home weatherization to reduce air flow in and out of the home and guidance to help reduce water use.

Home Weatherproofing Improvement Projects through Energy Savings Assistance Program



1. Impacted by a COVID-driven program pause due to shelter-in-place orders.

2. Program goals changed in 2022 to focus on deeper energy savings, resulting in a lower number of homes participating in the program.

Contribution to State and Local Revenues

We contribute revenue that state and local governments depend on to fund critical public services. In addition to property taxes, PG&E pays franchise fees to cities and counties for the right to use public streets for gas and electric facilities.

Franchise Fee and Property Tax Payments

	2020	2021	2022
Franchise Fees ¹	\$177,826,686	\$193,928,882	\$234,683,458
Property Tax Payments ²	\$537,281,558	\$621,501,242	\$678,536,513

1. Includes franchise fee surcharges and city franchise surcharges.

2. Property tax payments are based on a fiscal year (July 1–June 30), not calendar year.



Community Investments

At PG&E, we are dedicated to serving people, the planet, and California’s prosperity by building and maintaining charitable partnerships with local and tribal governments, non-profit organizations, and other community groups.

Our programs support resiliency to the impacts of climate change, while also helping to ensure our customers and coworkers are safe and have opportunities to grow and thrive in their communities. Our charitable programs are funded entirely by our shareholders and have no impact on our customers’ energy rates.

Our Approach

The Better Together Giving Program provides grants each year to 501(c)(3) non-profit organizations, schools, and local and tribal governments across Northern and Central California. This support can come from PG&E or The PG&E Corporation Foundation, and centers around five areas: emergency preparedness and safety, education, economic and community vitality, the environment, and employee engagement.

Community investments focus on supporting disadvantaged communities, such as low-income individuals, communities of color, people without housing, women and girls, veterans, senior citizens, people with disabilities, and members of the lesbian, gay, bisexual, transgender, intersex, asexual, and queer (LGBTQ+) communities.

2022 Aggregated Contributions by Charitable Focus Area¹



32% ● Economic and Community Vitality

25% ● Education

24% ● Emergency Preparedness and Safety

11% ● Employee Engagement

8% ● Environment

¹. Represents aggregated contributions between PG&E and The PG&E Corporation Foundation.

2022 Milestones

Emergency Preparedness and Safety

We supported Northern and Central California communities in preparing for potential disasters and responded quickly with aid when disasters occurred:

- **Community Relief.** PG&E and The PG&E Corporation Foundation continued their annual support for the American Red Cross with \$750,000 in total contributions to support their disaster response and emergency preparedness activities at the local and regional levels, supporting several emergencies impacting vulnerable communities, including wildfires.
- **Wildfire Preparedness.** PG&E partnered with the California Fire Foundation and local fire departments to promote emergency preparedness and safety. The \$730,000 in grant funding distributed by the California Fire Foundation supported 66 fire departments, fire agencies, and community groups in high wildfire threat areas to help implement safety programs.
- **Partnerships with Local Non-Profits.** Through PG&E's CBO-Direct Program, PG&E and California Fire Foundation co-branded disaster preparedness and fire safety messaging was disseminated to 34 non-profit CBOs in high wildfire threat areas. Several of these organizations successfully shared the safety content to more than 200,000 residents via their local community networks through social media assets such as Facebook, Twitter, and Instagram.



Education

PG&E and The PG&E Corporation Foundation continue to support science, technology, engineering, and math (STEM) education initiatives in our communities with funding for programs aiming to help ensure all students have access to quality education, including support for higher education attainment.

These programs are being recognized for their measurable impact in higher education attainment. To help students succeed, we supported Californian students in several ways:

- **Bridging the Digital Divide.** PG&E contributed \$250,000 to help purchase computer and internet hot spots and provide tech support for students in Oakland.
- **Better Together STEM Scholarships.** PG&E awarded scholarships to 40 students studying engineering, computer science and information systems, cybersecurity, and environmental sciences. Since 2012, this program has awarded more than \$6.5 million to youth seeking higher education in the STEM majors.
- **Better Together Investing in California Youth.** With an expanded commitment of \$750,000, PG&E and The PG&E Corporation Foundation awarded grants to eight organizations: Oakland Promise,



Vice President Kamala Harris endorsed the PG&E-backed Oakland Promise program that provides scholarships for Oakland's youth

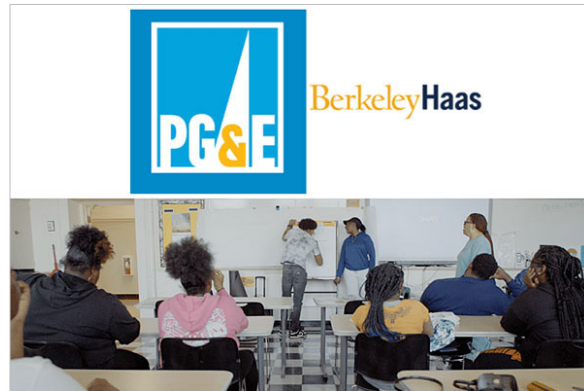
Stockton Scholars, The Fresno Foundation at FCOE, 10,000 Degrees, Northern California College Promise Coalition, The Hancock Promise, The Cuesta College Foundation for Promise Initiative, and the Los Rios Equity and Access to Education Program.

- **FIRST in California.** The PG&E Corporation Foundation matched a \$100,000 donation from the PG&E Corporation CEO's family foundation, Dream Maker Fund, for a total grant of \$200,000 to support robotics programs and mentorship in PG&E's service area. FIRST engages over 50,000 students every year in STEM programs and competitions.

Economic and Community Vitality

PG&E and The PG&E Corporation Foundation support job creation and career training opportunities, provide support for local businesses, offer energy assistance to low-income families, and promote equity through access to opportunity to improve the quality of life in the communities we serve:

- **Community Programs for Youth.** More than \$1 million in charitable contributions were provided to programs supporting the advancement of youth in our communities, including partnerships with local YMCA chapters and Boys & Girls Clubs, Junior Achievement, and STEM- and technology-focused community groups.
- **Elevating Diverse Leaders.** PG&E and The PG&E Corporation Foundation donated more than \$300,000 to organizations such as Hispanas Organized for Political Equality (HOPE), California Women Lead, California African American Action Fund, and the California Asian Pacific Chamber of Commerce, among others. This continued our longstanding support for local, regional, and statewide diverse chambers of commerce and minority supplier programs enhancing equity and opportunities for women, people of color, native peoples, LGBTQ+, and veteran Californians.
- **Racial Equity Pilot Program:** PG&E launched an advanced financial education program for African American high school students in Oakland to help address the racial wealth gap disproportionately impacting this community. In collaboration with the Northeastern University at Mills College Trio Programs, a cohort of high-achieving students participated in a two-semester course at the Haas Business School at the University of California at Berkeley. Each student will receive \$8,000 college scholarships upon successful graduation from the program in 2023.



PG&E launched an advanced financial education program for African American high school students in Oakland to help address the racial wealth gap disproportionately impacting this community.

Environment

PG&E and The PG&E Corporation Foundation fund environmental programs promoting renewable energy, fostering energy efficiency, and protecting our environment, including parks, recreation areas, and natural habitats:

- **The inaugural year of the Better Together Nature Positive Innovation Grant Program** awarded five \$100,000 grants, one in each



region of PG&E's service area. The projects are designed to protect and restore land, water, and air in habitats and communities. The grantees are 4th Second, Central Coast State Parks Association, City of Fresno Department of Transportation, Family Harvest Farm, and Siegler Springs Community Redevelopment Association.

- **CB0 Resiliency Fund.** PG&E provided \$1 million to support the social safety net in California, including over 40 county and tribal food banks and other non-profits, with an emphasis on those serving communities in Tier 2 and 3 high fire-threat districts. In addition to food assistance, non-profits also provided financial assistance for housing, medical, and utility needs.

Employee Engagement

PG&E's coworkers are active members of the communities where they live and work. Through multiple programs, coworkers engage and support their communities on a local level:

- PG&E's **Community Service Incentive Program** provides coworkers and retirees who volunteer more than 25 personal service hours with a Community Service Award and grant of \$350 on their behalf to a qualifying non-profit organization of their choice. In 2022, over 150 employees logged enough hours to earn an award.
- PG&E's **Employee Resource Groups (ERGs)**—representing different aspects of PG&E's diverse workforce—provide opportunities for engagement among community groups and activities that reflect their interests and priorities, including their own charitable contributions and scholarship programs.
- Through The PG&E Corporation Foundation's **Matching Gifts Program**, eligible gifts from PG&E coworkers and retirees are matched, dollar-for-dollar, up to \$1,000 per calendar year per individual. In 2022, the program matched \$2.7 million in individual contributions to more than 5,000 community-based organizations and schools.
- Coworkers also raised more than \$247,000 through donations and matches from The PG&E Corporation Foundation through fundraisers for non-profits and schools through our Peer-to-Peer Fundraisers program.



Measuring Progress

In 2022, PG&E and The PG&E Corporation Foundation made 958 charitable contributions to CBOs with an aggregate total of \$22.3 million in charitable contributions. Coupled with the \$2.7 million in contributions from the employee Matching Gifts Program, aggregate charitable support for communities totaled \$25 million in 2022.

Review our annual report recording the results of our charitable programs and community engagement efforts for the year.

2022 Support for Disadvantaged Communities¹

Contributions awarded to communities of color	93%
Contributions awarded to underserved communities	91%
Contributions awarded to low-income communities	87%

1. The above communities are not mutually exclusive and are self-reported by the recipient organizations.



Career Pathways

PG&E is focused on developing a workforce with the skills and expertise to meet our customers' needs while operating safely—amidst a rapid transformation in the energy industry.

Our Approach

We take a multi-pronged approach to developing our talent within PG&E. Through our talent identification efforts, robust training offerings at PG&E Academy, and targeted efforts at building workforce pipelines such as PowerPathway™, PG&E remains poised to have the talent needed to meet the evolving needs of our business.

We provide our coworkers a range of technical training on the knowledge and skills required to perform their jobs safely using approved tools and work procedures. These courses help prepare our workforce as we integrate new technologies, systems, and processes into our operations. Consistent with PG&E's commitment to ensuring all coworkers are qualified to perform their assigned tasks over the duration of their careers, PG&E offers a range of skill-refresher and coworker-development courses.

In addition, PG&E's long-term strategic planning includes coworker and leadership development, as well as succession planning. While always embracing new voices, we also work to promote from within and have a target to fill 67% of management vacancies in the positions of director-level and higher with internal candidates.

Careers through PowerPathway



PG&E's PowerPathway program continues to play a central role in our workforce development strategy by providing free, unpaid training for careers in gas and electric operations. Students enrolled in the program receive industry-specific training that addresses the academic, vocational, and physical abilities students will need to enter the energy industry workforce.

Created in 2008, PowerPathway targets those who are out of work or under-employed and has a strong focus on enhancing opportunities for women and those who have served in the military.

In 2022, PowerPathway held three cohorts with 54 graduates—89% were ethnic minorities, 30% were veterans, and 17% were women. PG&E hired 94% of PowerPathway graduates in 2022. There have been 1,184 graduates since the inception of the program.

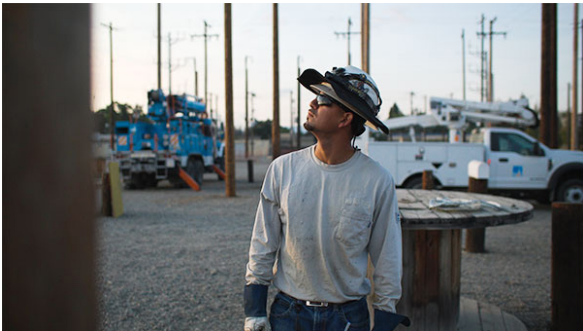
2022 Milestones

- **Celebrated our 15th year of PowerPathway:** We continued to partner with local workforce development organizations to develop local diverse talent invested in our communities. We held programs for gas and vegetation management teams—one of which was a veteran-focused program in support of gas pipeline inspections—through our partnership with Swords to Plowshares, a San Francisco Bay area organization that supports veterans.
- **Continued our internship program:** We successfully brought on 15 summer interns within our Gas Operations and Gas Engineering teams. To promote diversity in our recruiting efforts, we actively partnered with our Engineering Network Groups and external partners such as the National Society of Black Engineers, Society of Hispanic Professional Engineers, Society of Women Engineers, Disability:IN and the Mathematics Engineering Science Achievement Program.
- **Cultivated leadership among coworkers:** PG&E delivers award-winning leadership development programs that work to maximize coworker and leader effectiveness at all levels within PG&E. Courses such as Leading the Energy Network of Tomorrow prepare leaders for the challenges they face in the ever-changing utility industry. In 2022, we delivered over 6,990 leadership and professional development student training days.

Measuring Progress

We encourage our employees to develop their skills by exploring new opportunities within PG&E. We also attract new talent to build our expertise in critical areas.

In 2022, more than 1,700 new coworkers joined PG&E and more than 5,150 coworkers moved into new roles. By promoting health, wellness, professional development, teamwork, and an ability to perform well for our customers, we achieve stability and a low voluntary turnover rate—7.1% in 2022.

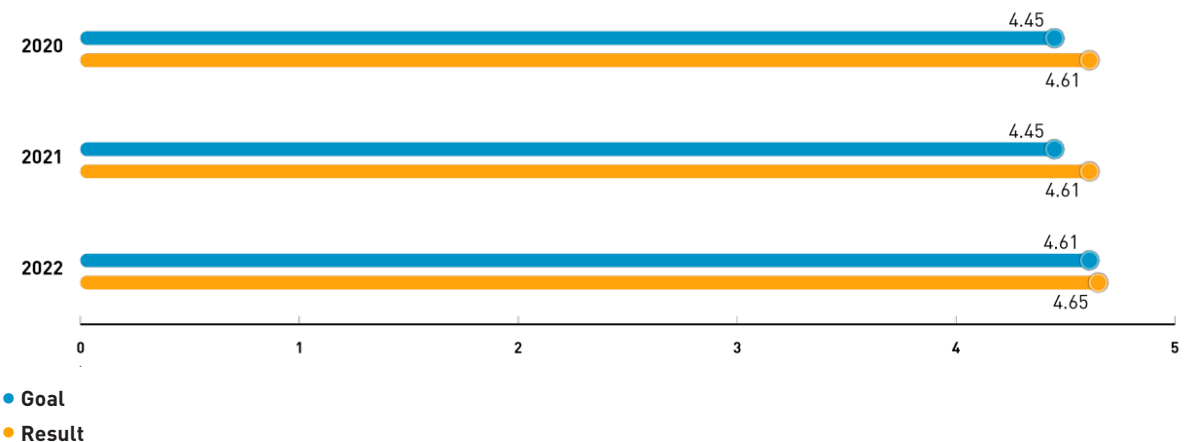


As part of our continuing commitment to our coworkers, PG&E delivered more than 1 million hours of technical, leadership, and coworker training in 2022. This included about 47,170 hours of training delivered via our Virtual Learning courses, which help us extend learning and training opportunities to our coworkers where they work and in a remote setting.

To measure success, coworkers who participate complete surveys and provide feedback on how much the training has increased their knowledge. For courses that teach technical skills or reinforce skills that involve high-consequence tasks, every coworker is required to pass an assessment that covers both knowledge and skills gained.

At PG&E Academy, our in-house organization charged with enhancing coworkers’ skills and qualifications, we introduced a five-point scale survey in 2014, asking coworkers to rate their ability to use on-the-job training. In 2022, training effectiveness was 4.65, exceeding our goal.

Training Effectiveness





Supply Chain Responsibility

PG&E remains committed to promoting environmental sustainability and ethical business conduct in all facets of our business and we actively seek a diverse supply chain to help us deliver for our hometowns. Our Supply Chain Responsibility program provides the tools and resources to help suppliers, including small and diverse businesses, maximize value for PG&E and the communities we serve.

Our Approach

Our 4,500-plus direct suppliers represent industries such as construction, professional services, vegetation management, and manufacturing and represented \$12.1 billion in 2022 spend. About 69% of our suppliers are located in California.

Environmental Sustainability

Since 2007, PG&E has worked with our suppliers to reduce the environmental impact of the products and services we purchase. In 2022, we charted a path to engage with our suppliers to meet PG&E's commitment to a net zero energy system in 2040.

To do this, we launched a Greenhouse Gas Reduction Roadmap with our suppliers in the key emitting industries of construction, vegetation management, and manufacturing. By 2030, PG&E expects all suppliers to track and report year-over-year environmental performance and show progress towards meeting their own net zero goals.

Partnering with Industry Peers



PG&E continues to benchmark and engage with utilities and suppliers through the Sustainable Supply Chain Alliance (SSCA). In 2022, the Alliance grew to 26 member utilities across North America.

The Alliance updated its utility environmental, social, and governance (ESG) maturity framework, which measures utility member sustainability maturity. PG&E ranked first among the 15 member utilities that participated in the assessment.

Supplier Diversity

PG&E has maintained a supplier diversity program for over 40 years. Our track record of success comes from an engaged network of senior leaders, champions, ambassadors, and sourcing leaders who are committed to maximizing opportunities for small and diverse suppliers.

This work includes setting ambitious supplier diversity goals, providing coaching and training opportunities, and participating in outreach, under the leadership of our supplier diversity team. The success of PG&E's program is also due to prime suppliers who seek diverse subcontractors to perform PG&E work and partner with us on outreach activities.

PG&E's small and diverse suppliers have helped us meet our everchanging needs, including during emergencies.

Championing Small and Diverse Suppliers

PG&E's supplier diversity champions develop strategies to achieve supplier diversity goals.

Champions, along with supply chain coworkers, support supplier development activities and serve on panels or participate in matchmaking at outreach activities. Champions also make themselves available to meet with potential businesses to discuss opportunities.

Focusing on Small Businesses

PG&E increased our small business outreach by attending more matchmaking and outreach events, including the CPUC's Small Business workshops. We also enhanced our communications, resources, and training to better address the needs of small businesses. For instance, we hosted supplier forum training sessions with key topics like safety and insurance for small and diverse businesses. We've also increased our participation in Small Business Administration-led small business trainings.

Promoting the Growth of Underutilized Businesses

In 2022, the CPUC established new goals for lesbian, gay, bisexual, and transgender (LGBT) owned businesses and added person with disabilities business enterprises (PDBE) to utility supplier diversity programs. PG&E launched a LGBT taskforce to identify opportunities and address challenges that prevent LGBT participation in PG&E's supply chain. We've engaged with Disability:IN to help identify PDBE businesses and leveraged LGBT-owned business organizations to help with education on how to participate in large spend categories, such as undergrounding.

Encouraging Prime Suppliers to Participate in Supplier Diversity

PG&E encourages prime suppliers to create an annual supplier diversity subcontracting plan and track performance against established goals and objectives. We host monthly webinars to help prime suppliers properly report and track diverse subcontracting. We also audit a subset of reported subcontracting to ensure accuracy.

Supporting the Competitive Success of Small and Diverse Businesses

PG&E's Technical Assistance Program is designed to help businesses increase their competitiveness. We issue scholarships for these businesses to attend world-class business programs at universities across the United States. For more information on how we support the success of diverse businesses, view our 2022 Supplier Diversity Annual Report.

Promoting Ethical Business Practices

Our Supplier Code of Conduct (Code) sets PG&E's expectations for our suppliers regarding ethical business practices. Suppliers are expected to understand their obligations and remain in conformance to the Code.

We conduct supplier training and perform periodic reviews to check supplier conformance to the Code. Suppliers new to PG&E are asked, prior to contracting, to confirm that they will comply with the obligations outlined in the Code and that they have a process to share the Code with individuals assigned to the work. The training and verifications we conduct help to ensure awareness and drive conformance to the Code.

2022 Milestones

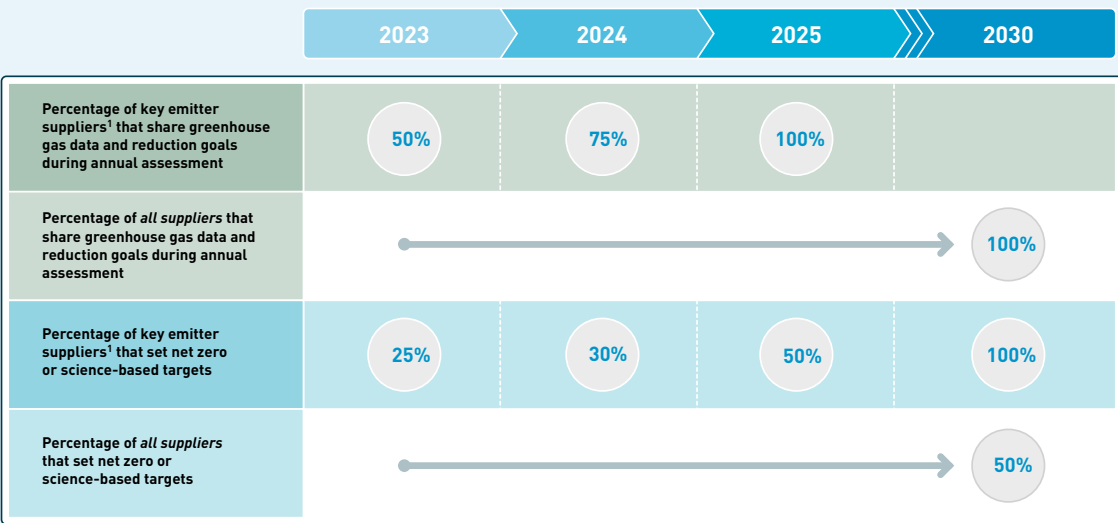
Environmental Sustainability

- **Conducted our annual supplier sustainability assessment and provided training to help suppliers** calculate, report, and set greenhouse gas emission reduction goals. For suppliers that completed the assessment, 58% shared their emissions data and reduction goals, exceeding our goal of 45%.

Greenhouse Gas Reduction Roadmap for Suppliers

2030 Roadmap for PG&E's Supply Chain Greenhouse Gas Reductions

Objective: Suppliers measure and reduce greenhouse gas emissions



1. This category includes suppliers in construction services, vegetation management, and manufacturing, which together represent over 60% of PG&E's non-energy-related Scope 3 emissions from purchased goods and services.

We've launched a Greenhouse Gas Reduction Roadmap focused on suppliers in construction services, vegetation management, and manufacturing. These industries represent over 60% of PG&E's non-energy-related Scope 3 emissions from purchased goods and services. The roadmap details our plans to have our suppliers report greenhouse gas emissions data and set net zero goals by 2030.

Supplier Diversity

- **Continued to train and meet with diverse suppliers** through local, state, and national supplier diversity events.
- **Expanded capacity-building training to small businesses** by offering 18 scholarships to distinguished U.S. universities through our Technical Assistance Program. We also supported organizations committed to DBE outreach and development.
- **Increased inclusion by bridging introductions between Lesbian, Gay, Bisexual, Transgender Business Enterprises (LGBTBE)** and key decision-makers and collaborated with local and national LGBTBE organizations, including the Golden Gate Business Association, Rainbow Chamber of Silicon Valley, Rainbow Chamber of Sacramento, and BuildOut California—as well as the National Gay Lesbian Chamber of Commerce.

Promoting Ethical Business Practices

- **Conducted Supplier Code of Conduct Training** via webinars with a focus on training new suppliers and created an online training for current or prospective suppliers.

Measuring Progress

Annual Supplier Diversity Results

In 2022, the Utility spent \$4.79 billion with diverse suppliers, a year over year increase of \$776 million. This spending represented 39.35% of our total procurement.

Highlights of PG&E's 2022 spending with diverse suppliers include:

- Minority-owned business enterprises: \$2.8 billion
- Woman-owned business enterprises: \$1.4 billion
- Disabled veteran-owned business enterprises: \$463 million
- LGBT-owned business enterprises: \$7.5 million

Annual Supplier Diversity Results (percent of total spend)

Category	2020 (%)	2021 (%)	2022 (%)
Minority Men	16.97	16.64	16.96
Minority Women	5.83	6.32	6.79
Minority Business Enterprise	22.80	22.96	23.75
Women Business Enterprise	12.76	11.44	11.73
Lesbian, Gay, Bisexual, Transgender Business Enterprise	0.06	0.10	0.06
Disabled Veteran Business Enterprise	3.27	4.19	3.81
Total Diverse Spending	38.90	38.69	39.35
PG&E's Supplier Diversity Target	38.0	38.0	38.0

	2020 (M)	2021 (M)	2022 (M)
Total Diverse Spending	\$3,879	\$4,009	\$4,786

Annual Small Business Results¹

	2021	2022
Percent of total spend	1.0%	1.4%
Total spend (M)	\$108	\$177

1. Results provided are based on a federally mandated methodology and represent spend in the government fiscal year of October 1–September 30.

Environmental Sustainability

We use the results of our annual supplier sustainability assessment to benchmark our responding suppliers' sustainability performance against our member peers in the Sustainable Supply Chain Alliance. We ask our suppliers to complete a self-assessment and provide their most recent environmental performance data for energy and water use, as well as greenhouse gas emissions and waste generation.

The assessment measures the supplier's performance and provides detailed benchmarking that is specific to their industry. The assessment can help suppliers develop strategies to reduce environmental impacts and prioritize improvement opportunities.

Supplier Engagement in Environmental Management Compared to Aggregated Alliance Suppliers¹

Percentage of Suppliers Tracking Impacts	Alliance Suppliers (%)	PG&E Suppliers (%)
Measure environmental performance ²	52	63
Set reduction targets	9	60
Publicly report environmental performance	43	56

1. In 2022, we requested sustainability assessment responses from 237 suppliers and achieved a 41% response rate, which represented 44% of PG&E's 2021 spending.

2. For PG&E suppliers, this refers to measuring all environmental impacts (energy, waste, water, and greenhouse gas emissions), compared to Alliance suppliers who may be measuring one or more environmental impacts.

Assessed Suppliers Reporting Emissions and Reduction Goals

Percentage of Assessment Respondents Engaged in Emissions Reduction	2022 Goal (%)	2022 Result (%)
Reporting greenhouse gas emissions and reduction goals	45	58
Established science-based or net zero targets ¹	N/A	26

1. In 2022, we began tracking suppliers with science-based or net zero targets in accordance with our Greenhouse Gas Reduction Roadmap for Suppliers.



Global Reporting Initiative (GRI) Index

PG&E is committed to continuous improvement when it comes to how we report our impacts and sustainable business strategies, and we use the Global Reporting Initiative (GRI) as an important guide and reference point. The table below shows how this report aligns with GRI's Sustainability Reporting Guidelines, and was developed in accordance with a core adherence level. While we are working to meet the GRI reporting protocols, we currently only partially meet the recommended standard for several indicators below. This report contains Standard Disclosures from the GRI Sustainability Reporting Guidelines.

GRI 2: General Disclosures

The Organization and its Reporting Practices

GRI Disclosure	Description	PG&E Response
2-1	Organizational Details	About PG&E
2-2	Entities Included in the Organization's Sustainability Reporting	About PG&E
2-3	Reporting Period, Frequency, and Contact Point	- Reporting Period: Home Page; 2022–2023 Reporting Frequency: Annual - Contact Point: Feedback
2-4	Restatements of Information	No significant re-statements of information
2-5	External Assurance	PG&E has not sought external assurance of its Corporate Sustainability Report. However, some data (such as greenhouse gas emissions) are third-party verified; where this is the case, it is noted in the report.

Activities and Workers

GRI Disclosure	Description	PG&E Response
2-6	Activities, Value Chain, and Other Business Relationships	- About PG&E - PG&E Corporation and Pacific Gas and Electric Company 2022 Joint Annual Report to Shareholders - Supply Chain Responsibility
2-7	Employees	- About PG&E - Diversity, Equity, Inclusion, and Belonging - Workforce Safety
2-8	Workers Who Are Not Employees	- Diversity, Equity, Inclusion, and Belonging - Workforce Safety

Governance

GRI Disclosure	Description	PG&E Response
2-9	Governance Structure and Composition	- Corporate Governance - PG&E Corporation and Pacific Gas and Electric Company 2023 Joint Proxy Statement, p. 22
2-10	Nomination and Selection of the Highest Governance Body	PG&E Corporation and Pacific Gas and Electric Company 2023 Joint Proxy Statement, p. 25
2-11	Chair of the Highest Governance Body	PG&E Corporation and Pacific Gas and Electric Company 2023 Joint Proxy Statement, p. 22
2-12	Role of the Highest Governance Body in Overseeing the Management of Impacts	- About PG&E - Materiality - Ethics, Compliance, and Risk Management - Engaging Customers - Climate Resilience - PG&E Corporation and Pacific Gas and Electric Company 2023 Joint Proxy Statement, p. 25
2-13	Delegation of Responsibility for Managing Impacts	Corporate Governance
2-14	Role of the Highest Governance Body in Sustainability Reporting	This report has been approved by PG&E Corporation's CEO, as well as the company's officers.
2-15	Conflicts of Interest	PG&E Corporation and Pacific Gas and Electric Company 2023 Joint Proxy Statement, p. 25
2-16	Communication of Critical Concerns	Ethics, Compliance, and Risk Management
2-17	Collective Knowledge of the Highest Governance Body	PG&E Corporation and Pacific Gas and Electric Company 2023 Joint Proxy Statement, p. 14-21
2-18	Evaluation of the Performance of the Highest Governance Body	PG&E Corporate Governance Guidelines
2-19	Remuneration Policies	PG&E Corporation and Pacific Gas and Electric Company 2023 Joint Proxy Statement
2-20	Process to Determine Remuneration	PG&E Corporation and Pacific Gas and Electric Company 2023 Joint Proxy Statement
2-21	Annual Total Compensation Ratio	- PG&E Corporation and Pacific Gas and Electric Company 2023 Joint Proxy Statement, pg. 78 - PG&E Corporation and Pacific Gas and Electric Company 2022 Joint Annual Report to Shareholders

Strategy, Policies and Practices

GRI Disclosure	Description	PG&E Response
2-22	Statement on Sustainable Development Strategy	• Message from the CEO
2-23	Policy Commitments	• Public Policy Engagement • Diversity, Equity, Inclusion, and Belonging • Ethics, Compliance, and Risk Management • Supply Chain Responsibility
2-24	Embedding Policy Commitments	• Public Policy Engagement • Diversity, Equity, Inclusion, and Belonging • Ethics, Compliance, and Risk Management • Supply Chain Responsibility • Corporate Governance
2-25	Processes to Remediate Negative Impacts	• Ethics, Compliance, and Risk Management • Diversity, Equity, Inclusion, and Belonging • Engaging Customers
2-26	Mechanisms for Seeking Advice and Raising Concerns	• Ethics, Compliance, and Risk Management • Diversity, Equity, Inclusion, and Belonging • Engaging Customers
2-27	Compliance with Laws and Regulations	• Ethics, Compliance, and Risk Management
2-28	Membership of Associations	• Public Policy Engagement

Stakeholder Engagement

GRI Disclosure	Description	PG&E Response
2-29	Approach to Stakeholder Engagement	• Engaging Customers • Diversity, Equity, Inclusion, and Belonging • Supply Chain Responsibility • Public Policy Engagement • Community Investments
2-30	Collective Bargaining Agreements	• Engaging our Teams

GRI 3: Material Topics

Disclosures on Material Topics

GRI Disclosure	Description	PG&E Response
3-1	Process to Determine Material Topics	• Materiality
3-2	List of Material Topics	• Materiality • No significant changes in scope, boundary, or measurement methods
3-3	Management of Material Topics	• Materiality • Ethics, Compliance, and Risk Management • Throughout the report, when we refer to “PG&E” we are discussing all of PG&E Corporation and its subsidiaries, including Pacific Gas and Electric Company. For specific issues, data and discussion about other entities—such as suppliers or customers—may be disclosed.

Economic

GRI 201: Economic Performance

GRI Disclosure	Description	PG&E Response
3-3	Management of Material Topics	- Materiality - PG&E Corporation and Pacific Gas and Electric Company 2022 Joint Annual Report to Shareholders, p. 61
201-1	Direct economic value generated and distributed	About PG&E
201-2	Financial implications and other risks and opportunities due to climate change	- Climate Resilience - Climate Strategy Report
201-3	Defined benefit plan obligations and other retirement plans	PG&E Corporation and Pacific Gas and Electric Company 2022 Joint Annual Report to Shareholders, p. 152

GRI 203: Indirect Economic Impacts

GRI Disclosure	Description	PG&E Response
3-3	Management of Material Topics	- Materiality - Energy Affordability and Equity - PG&E Corporation and Pacific Gas and Electric Company 2022 Joint Annual Report to Shareholders, p. 61 - Corporate Governance - PG&E Corporation and Pacific Gas and Electric Company 2023 Joint Proxy Statement, p. 22
203-1	Infrastructure investments and services supported	- About PG&E - California's Prosperity - Energy Affordability and Equity - Community Investments - PG&E Corporation Fourth Quarter Earnings, February 2023
203-2	Significant indirect economic impacts	Community Investments

GRI 205: Anti-corruption

GRI Disclosure	Description	PG&E Response
3-3	Management of Material Topics	- Materiality - Ethics, Compliance, and Risk Management - Diversity, Equity, Inclusion, and Belonging
205-2	Communication and training about anti-corruption policies and procedures	Ethics, Compliance, and Risk Management
205-3	Confirmed incidents of corruption and actions taken	- Ethics, Compliance, and Risk Management - Diversity, Equity, Inclusion, and Belonging

Environment

GRI 302: Energy

GRI Disclosure	Description	PG&E Response
----------------	-------------	---------------

3-3	Management of Material Topics	• Materiality • Renewable Energy and Storage • Enabling Customer Solutions • Reducing Our Carbon Footprint
302-1	Energy consumption within the organization	• Reducing Our Carbon Footprint
302-2	Energy consumption outside of the organization	• Clean Energy • Renewable Energy and Storage • Enabling Customer Solutions
302-3	Energy intensity	• Reducing Our Carbon Footprint
302-4	Reduction of energy consumption	• Enabling Customer Solutions • Customer Energy Efficiency
302-5	Reductions in energy requirements of products and services	• Enabling Customer Solutions • Energy Affordability and Equity • Renewable Energy and Storage • Other Energy Sources

GRI 303: Water and Effluents

GRI Disclosure	Description	PG&E Response
3-3	Management of Material Topics	• Materiality • Water • Other Energy Sources • PG&E Corporation 2023 Response to CDP Water Questionnaire
303-1	Interactions with water as a shared resource	• Water • Other Energy Sources • Land and Habitat • PG&E Corporation 2023 Response to CDP Water Questionnaire
303-3	Water withdrawal	• Water
303-4	Water discharge	• Water
303-5	Water consumption	• Water

GRI 304: Biodiversity

GRI Disclosure	Description	PG&E Response
3-3	Management of Material Topics	• Materiality • Land and Habitat
304-2	Significant impacts of activities, products, and services on biodiversity	• Land and Habitat
304-3	Habitats protected or restored	• Land and Habitat

GRI 305: Emissions

GRI Disclosure	Description	PG&E Response
3-3	Management of Material Topics	• Materiality • Reducing Our Carbon Footprint • Our Climate Goals • PG&E Corporation 2023 Response to CDP Climate Change Questionnaire

305-1	Direct (Scope 1) GHG emissions	• Our Climate Goals • PG&E Corporation 2023 Response to CDP Climate Change Questionnaire
305-2	Energy indirect (Scope 2) GHG emissions	• Our Climate Goals • PG&E Corporation 2023 Response to CDP Climate Change Questionnaire
305-3	Other indirect (Scope 3) GHG emissions	• Our Climate Goals • PG&E Corporation 2023 Response to CDP Climate Change Questionnaire
305-4	GHG emissions intensity	• Our Climate Goals • PG&E Corporation 2023 Response to CDP Climate Change Questionnaire
305-5	Reduction of GHG emissions	• Reducing Our Carbon Footprint • Our Climate Goals • PG&E Corporation 2023 Response to CDP Climate Change Questionnaire
305-7	Nitrogen oxides (NO _x), sulfur oxides (SO _x), and other significant air emissions	• Air, Waste & Remediation

GRI 306: Waste

GRI Disclosure	Description	PG&E Response
3-3	Management of Material Topics	• Materiality • Air, Waste & Remediation
306-1	Waste generation and significant waste-related impacts	• Air, Waste & Remediation
306-2	Management of significant waste-related impacts	• Air, Waste & Remediation
306-3	Waste generated	• Air, Waste & Remediation
306-4	Waste diverted from disposal	• Air, Waste & Remediation
306-5	Waste directed to disposal	• Air, Waste & Remediation

GRI 307: Environmental Compliance

GRI Disclosure	Description	PG&E Response
3-3	Management of Material Topics	• Materiality • Ethics, Compliance, and Risk Management
307-1	Non-compliance with environmental laws and regulations	• Ethics, Compliance, and Risk Management

GRI 308: Supplier Environmental Assessment

GRI Disclosure	Description	PG&E Response
3-3	Management of Material Topics	• Materiality • Supply Chain Responsibility
308-1	New suppliers that were screened using environmental criteria	• Supply Chain Responsibility

Social

GRI 401: Employment

GRI Disclosure	Description	PG&E Response
3-3	Management of Material Topics	• Materiality • Engaging our Teams • Career Pathways • Workforce Safety • PG&E Corporation and Pacific Gas and Electric Company 2023 Joint Proxy Statement, p. 28-31
401-1	New employee hires and employee turnover	• Career Pathways • Our Benefits
402-1	Benefits provided to full-time employees that are not provided to temporary or part-time employees	• Engaging our Teams • Our Benefits

GRI 402: Labor/Management Relations

GRI Disclosure	Description	PG&E Response
3-3	Management of Material Topics	• Materiality • Engaging our Teams

GRI 403: Occupational Health and Safety

GRI Disclosure	Description	PG&E Response
3-3	Management of Material Topics	• Materiality • Workforce Safety • PG&E Corporation and Pacific Gas and Electric Company 2023 Joint Proxy Statement, p. 28-31 • Pacific Gas and Electric Company 2022 Joint Annual Report to Shareholders, p. 29-30
403-9	Work-related injuries	• Workforce Safety
403-10	Work-related ill health	• Workforce Safety

GRI 404: Training and Education

GRI Disclosure	Description	PG&E Response
3-3	Management of Material Topics	• Materiality • Career Pathways • Workforce Safety • Customer Energy Efficiency • PG&E Corporation and Pacific Gas and Electric Company 2023 Joint Proxy Statement, p. 28-31
404-2	Programs for upgrading employee skills and transition assistance programs	• Career Pathways

GRI 405: Diversity and Equal Opportunity

GRI Disclosure	Description	PG&E Response
3-3	Management of Material Topics	- Materiality - Diversity, Equity, Inclusion, and Belonging - PG&E Corporation and Pacific Gas and Electric Company 2023 Joint Proxy Statement, p. 28-31 - Pacific Gas and Electric Company 2022 Joint Annual Report to Shareholders, p. 29-30
405-1	Diversity of governance bodies and employees	- Diversity, Equity, Inclusion, and Belonging - PG&E Corporation and Pacific Gas and Electric Company 2023 Joint Proxy Statement, p. 22–31

GRI 413: Local Communities

GRI Disclosure	Description	PG&E Response
3-3	Management of Material Topics	- Materiality - Engaging Customers - Energy Affordability and Equity - Community Investments

GRI 415: Public Policy

GRI Disclosure	Description	PG&E Response
3-3	Management of Material Topics	- Materiality - Public Policy Engagement - PG&E Corporation and Pacific Gas and Electric Company 2023 Joint Proxy Statement, p. 31
415-1	Political contributions	Public Policy Engagement

GRI 416: Customer Health and Safety

GRI Disclosure	Description	PG&E Response
3-3	Management of Material Topics	- Materiality - Public Safety - Wildfire Safety - PG&E Corporation and Pacific Gas and Electric Company 2023 Joint Proxy Statement, p. 29

GRI 418: Customer Privacy

GRI Disclosure	Description	PG&E Response
3-3	Management of Material Topics	- Materiality - PG&E Privacy Policy

GRI 419: Socioeconomic Compliance

GRI Disclosure	Description	PG&E Response
3-3	Management of Material Topics	- Materiality - Ethics, Compliance, and Risk Management - Workforce Safety
419-1	Non-compliance with laws and regulations in the social and economic area	- About PG&E - Workforce Safety

Electric Utilities Sector Disclosures

GRI Disclosure	Description	PG&E Response
G4-EU1	Installed capacity (MW)	Clean Energy
G4-EU2	Net energy output (GWh)	Clean Energy
G4-EU3	Number of residential, industrial, institutional, and commercial customer accounts	About PG&E
G4-EU4	Length of transmission and distribution lines	About PG&E
G4-EU5	Allocation of CO ₂ -e emissions allowances	PG&E Corporation 2023 Response to CDP Climate Change Questionnaire

Availability and Reliability

GRI Disclosure	Description	PG&E Response
G4-DMA	Disclosure of Management Approach	- Wildfire Safety - Renewable Energy and Storage
G4-EU10	Planned capacity against projected electricity demand over the long term	Renewable Energy and Storage

Demand-Side Management

GRI Disclosure	Description	PG&E Response
G4-DMA	Disclosure of Management Approach	Enabling Customer Solutions

Research and Development

GRI Disclosure	Description	PG&E Response
G4-DMA	Disclosure of Management Approach	- Wildfire Safety - Gas Safety - Reducing Our Carbon Footprint

Plant Decommissioning

GRI Disclosure	Description	PG&E Response
G4-DMA	Disclosure of Management Approach	Other Energy Sources

Disaster/Emergency Planning and Response

GRI Disclosure	Description	PG&E Response
G4-DMA	Disclosure of Management Approach	Public Safety

Provision of Information

GRI Disclosure	Description	PG&E Response
G4-DMA	Disclosure of Management Approach	- Public Safety - Engaging Customers

Employment

GRI Disclosure	Description	PG&E Response
G4-EU15	Percentage of employees eligible to retire in the next five years	Career Pathways

Access

GRI Disclosure	Description	PG&E Response
G4-DMA	Disclosure of Management Approach	Energy Affordability and Equity
G4-EU28	Power outage frequency	Wildfire Safety
G4-EU29	Average power outage duration	Wildfire Safety
G4-EU30	Average plant availability factor by energy source	Other Energy Sources



Sustainability Accounting Standards Board (SASB) Index

PG&E is committed to continuous improvement when it comes to how we report our impacts and sustainable business strategies. The table below reflects PG&E's reporting of metrics in accordance with the Sustainability Accounting Standards Board (SASB) voluntary reporting framework. Unless otherwise noted, our response reflects year-end 2022 performance. Data included in this disclosure may differ from other disclosures in order to conform to the SASB reporting requirements.

Electric Utilities Standard

Greenhouse Gas Emissions & Energy Resource Planning

SASB Code	Accounting Metric	Unit of Measure	PG&E Response 2023
IF-EU-110a.1	Gross global Scope 1 emissions ¹	Metric tons CO ₂ e	4,458,777
	Percentage covered under emissions-limiting regulations ¹	Percentage (%)	62%
	Percentage covered under emissions-reporting regulations ¹		97%
IF-EU-110a.2	Greenhouse gas (GHG) emissions associated with power deliveries ¹	Metric tons CO ₂ e	1,477,808
F-EU-110a.3	Discussion of long-term and short-term strategy or plan to manage Scope 1 emissions, emissions reduction targets, and an analysis of performance against those targets	N/A	Climate Strategy Report
IF-EU-110a.4	Number of customers served in markets subject to renewable portfolio standards (RPS)	Number	5,575,829
	Percentage fulfillment of RPS target by market	Percentage (%)	100%

1. Reflects 2021 greenhouse gas emissions given that 2022 emissions are currently undergoing third-party verification.

Air Quality

SASB Code	Accounting Metric	Unit of Measure	PG&E Response 2023
IF-EU-120a.1	NO _x	Metric tons	110
	SO _x		10
	Particulate matter (PM10)		87
	Lead (Pb)		0
	Mercury (Hg)		0
	Percentage of NO _x in or near areas of dense population	Percentage (%)	100%
	Percentage of SO _x in or near areas of dense population		100%
	Percentage of particulate matter (PM10) in or near areas of dense population		100%
	Percentage of lead (Pb) in or near areas of dense population		0
	Percentage of mercury (Hg) in or near areas of dense population		0

Water Management

SASB Code	Accounting Metric	Unit of Measure	PG&E Response 2023
IF-EU-140a.1	Total water withdrawn	Thousand cubic meters (m ³)	Saltwater: 3,162,965
	Total water consumed		Freshwater: 848
	Percentage of total water withdrawn in regions with high or extremely high baseline water stress	Percentage (%)	Freshwater: 183
	Percentage of total water consumed in regions with high or extremely high baseline water stress		Saltwater: 0%
IF-EU-140a.2	Number of incidents of non-compliance associated with water quantity and/or quality permits, standards, and regulations	Number	Freshwater: 6%
IF-EU-140a.3	Description of water management risks and discussion of strategies and practices to mitigate those risks	N/A	Saltwater: 0%
			Freshwater: 9%

Coal Ash Management

SASB Code	Accounting Metric	Unit of Measure	PG&E Response 2023
IF-EU-150a.1	Amount of coal combustion residuals (CCR) generated	Metric tons	PG&E does not have coal operations
	Percentage CCR recycled	Percentage (%)	PG&E does not have coal operations
IF-EU-150a.2	Total number of CCR impoundments, broken down by hazard potential classification and structural integrity assessment	Number	PG&E does not have coal operations

Energy Affordability

SASB Code	Accounting Metric	Unit of Measure	PG&E Response 2023
IF-EU-240a.1 ²	Average retail electric rate for residential customers	USD/KWh	\$0.22527
	Average retail electric rate for commercial customers		\$0.20083
	Average retail electric rate for industrial customers		\$0.11763
IF-EU-240a.2 ³	Typical monthly electric bill for residential customers for 500 kWh	USD	\$173.78
	Typical monthly electric bill for residential customers for 1,000 kWh		\$371.12
IF-EU-240a.3	Number of residential customer electric disconnections for non-payment	Number	18,439
	Percentage of residential customer electric disconnections for non-payment reconnected within 30 days	Percentage (%)	79%
IF-EU-240a.4	Discussion of impact of external factors on customer affordability of electricity, including the economic conditions of the service territory	N/A	Energy Affordability and Equity

2. Average rate includes all customers (bundled and departing load) that receive delivery service from PG&E.

3. Bills are based on the Schedule E-1 tiered rate applicable to non-CARE bundled (full service) customers.

Workforce Health and Safety

SASB Code	Accounting Metric	Unit of Measure	PG&E Response 2023
IF-EU-320a.1 ⁴	Total recordable incident rate	Rate per 100 full-time workers	1.59
	Fatality rate		0.004
	Near miss frequency rate		2.27

End-Use Efficiency and Demand

SASB Code	Accounting Metric	Unit of Measure	PG&E Response 2023
IF-EU-420a.1	Percentage of electric utility revenues from rate structures that are decoupled	Percentage (%)	100%
IF-EU-420a.2	Percentage of electric load served by smart grid technology (SmartMeters)	Percentage (%) by megawatt hours (MWh)	99%
IF-EU-420a.3	Customer electricity savings from efficiency measures	Megawatt hours (MWh)	1,782,000

Nuclear Safety and Emergency Management

SASB Code	Accounting Metric	Unit of Measure	PG&E Response 2023
IF-EU-540a.1	Total number of nuclear power units, broken down by U.S. Nuclear Regulatory Commission (NRC) Action Matrix Column	Number	2
IF-EU-540a.2	Description of efforts to manage nuclear safety and emergency preparedness	N/A	Other Energy Sources: Nuclear Energy

Grid Resiliency

SASB Code	Accounting Metric	Unit of Measure	PG&E Response 2023
IF-EU-550a.1	Number of incidents of non-compliance with physical and/or cybersecurity standards or regulations	Number	This information is confidential
IF-EU-550a.2	System Average Interruption Duration Index (SAIDI)	Minutes	261.0
	System Average Interruption Frequency Index (SAIFI)		1.653
	Customer Average Interruption Duration Index (CAIDI)		157.8

Activity Metrics

SASB Code	Accounting Metric	Unit of Measure	PG&E Response 2023
IF-EU-000.A	Number of residential customers served	Number	4,904,675
	Number of commercial customers served		541,564
	Number of industrial customers served		1,144
IF-EU-000.B	Total electricity delivered to residential customers	Megawatt hours (MWh)	27,210,995
	Total electricity delivered to non-residential customers		50,557,503
IF-EU-000.C	Length of distribution lines	Kilometers (km)	173,809
	Length of transmission lines		28,968
IF-EU-000.D	Total electricity generated	Megawatt hours (MWh)	29,063,000
	Percentage by major energy source	Percentage (%)	Renewable Energy and Storage
	Percentage in regulated markets		100%

4. Data for PG&E employees.

Gas Utilities Standard

Energy Affordability

SASB Code	Accounting Metric	Unit of Measure	PG&E Response 2023
IF-GU-240a.1	Average retail gas rate for residential customers	USD/MMBtu	\$2.00881
	Average retail gas rate for commercial and industrial customers		\$1.69452
	Average retail gas rate for transportation services only		\$0.50511
IF-GU-240a.2	Typical monthly gas bill for residential customers for 50 MMBtu of gas delivered per year	USD	\$83.69
	Typical monthly gas bill for residential customers for 100 MMBtu of gas delivered per year		\$167.39
IF-GU-240a.3	Number of residential customer gas disconnections for non-payment	Number	0 ¹
	Percentage of residential customer gas disconnections for non-payment, reconnected within 30 days	Percentage (%)	0 ¹
F-GU-240a.4	Discussion of impact of external factors on customer affordability of gas, including the economic conditions of the service territory	N/A	Energy Affordability and Equity

End-Use Efficiency

SASB Code	Accounting Metric	Unit of Measure	PG&E Response 2023
IF-GU-420a.1	Percentage of gas utility revenues from rate structures that are decoupled	Percentage (%)	100%
IF-GU-420a.2	Customer gas savings from efficiency measures	Million British Thermal Units (MMBtu)	4,330,000

Integrity of Gas Delivery

SASB Code	Accounting Metric	Unit of Measure	PG&E Response 2023
IF-GU-540a.1	Number of reportable pipeline incidents	Number	3
	Number of Corrective Action Orders (CAO)		0
	Number of Notices of Probable Violation		0
IF-GU-540a.2	Percentage of distribution pipeline that is cast and/or wrought iron	Percentage (%) by length	0.07%
	Percentage of distribution pipeline that is unprotected steel		0.001%
IF-GU-540a.3	Percentage of gas transmission pipelines inspected	Percentage (%) by length	Strength Test: 92.3% (5,933 miles) In-line Inspection: 49.6% (3,187 miles) Direct Assessment: - External Corrosion Direct Assessment: 14.5% (934 miles) - Internal Corrosion Direct Assessment: 5.7% (367 miles) - Stress Corrosion Cracking Direct Assessment: 0.2% (12.8 miles) Other: <1% - Direct Examination: <1 mile Low Stress Re-assessment: 0.7% (48 miles)

1. PG&E had a moratorium on all residential gas customer disconnections in 2022 due to the COVID-19 pandemic.

Integrity of Gas Delivery (continued)

SASB Code	Accounting Metric	Unit of Measure	PG&E Response 2023
IF-GU-540a.3	Percentage of gas distribution pipelines inspected (distribution leak survey) ²	Percentage (%) by length	37.3%
IF-GU-540a.4	Description of efforts to manage the integrity of gas delivery infrastructure, including risks related to safety and emissions	N/A	Gas Safety

Activity Metrics

SASB Code	Accounting Metric	Unit of Measure	PG&E Response 2023
IF-GU-000.A	Number of residential customers served	Number	4,370,087
	Number of commercial customers served		228,292
	Number of industrial customers served		1,143
IF-GU-000.B	Amount of natural gas delivered to residential customers	Million British Thermal Units (MMBtu)	185,527,635
	Amount of natural gas delivered to commercial customers		84,785,783
	Amount of natural gas delivered to industrial customers		507,196,876
	Amount of natural gas transferred to a third party		95,223,730
IF-GU-000.C	Length of gas transmission pipelines	Kilometers (km)	10,139
	Length of gas distribution pipelines		70,811

2. PG&E reports this metric in percentage of distribution services rather than percentage by length.



EEI/AGA Index

PG&E participates in the Edison Electric Institute (EEI) and American Gas Association (AGA) voluntary Environmental, Social, Governance (ESG) and Sustainability reporting templates for investors. This information is provided in response to the interest of investors and other stakeholders in ESG/Sustainability information that is consistent across the electric and natural gas sectors:

- [EEI reporting template \(PDF, 135 KB\)](#)
- [AGA reporting template \(PDF, 152 KB\)](#)

Information on PG&E's sustainability goals, progress and performance is available in our [Executive Summary](#).



Sustainable Development Goals (SDGs) Index

PG&E is committed to continuous improvement when it comes to how we report our impacts and sustainable business strategies. The table below reflects PG&E’s contributions to the United Nations Sustainable Development Goals (SDGs). We have highlighted the goals that are material to our work and our contributions to reaching them. Unless otherwise noted, our response reflects year-end 2022 performance.

Goal	Our Contribution
------	------------------



Ensure healthy lives and promote well-being for all at all ages

Coworker Health and Safety

- Improved our coworker safety performance, including a 34% reduction in our DART rate and a 19% decrease in our OSHA recordable rate compared to 2021.
- Recorded our lowest gas pipeline damage rate ever and ranked third in the nation among large gas companies for best safety performance.
- Implemented our “industrial athlete” program by supporting injury management plans with tailored stretch and flex programs, workshops, and coaching sessions—completing 2,000 trainings.
- Continued to provide a family support program for all employees that offers childcare and elder care discounts, priority placement, and tutoring and testing discounts throughout California. Also offered summer camps, extracurricular programs, and after-school day care in select areas.
- Continued to provide free annual health screenings to employees as well as free health coaching and tobacco cessation services, and health education webinars on a broad range of health topics.



Ensure access to affordable, reliable, sustainable, and modern energy

Advancing Clean Energy

- Delivered clean electricity to customers that was 95% greenhouse-gas-emissions free, with nearly 40% from state-qualified renewable resources.
- Added new battery storage capacity to the state's electric grid, now totaling 1,200 MW.
- Connected four dairy renewable natural gas (RNG) projects to our system, providing a throughput of over 1.7 million cubic feet of RNG per day.

Enabling Customer Solutions

- Helped customers avoid the emission of nearly 8 million lifecycle metric tons of carbon dioxide through our energy efficiency programs.
- Reached 425,000+ EVs in operation in our service area—about one in seven of all EVs in the U.S.
- Installed approximately 340 charging ports for electric vehicles, nearly half of which are in disadvantaged communities.
- Brought the total number of rooftop solar customers connected to the grid to over 700,000, more than any other U.S. utility.
- Supported more than 50,000 customers who have installed battery storage at their homes or businesses.
- Enabled up to 358 MW of load reduction through our demand response programs, nearly 150 MW above the prior year.

Supporting Energy Affordability

- Provided weatherization, energy efficiency solutions, and appliances to more than 67,000 income-qualified households through our Energy Savings Assistance Program, with average bills savings of about \$795.
- Provided 1.47 million income-qualified customers with a monthly discount on their bill through the CARE program.
- Completed installations for nearly 150 customers participating in our electrification pilot in the San Joaquin Valley, eliminating the use of propane and wood burning appliances in several disadvantaged communities without access to natural gas.
- Updated our Environmental and Social Justice (ESJ) Policy to guide our work.



Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation

Increasing Wildfire Resilience

- Implemented a wildfire mitigation strategy that features multiple layers of protection—with an estimated reduction in wildfire risk from our equipment of more than 90%—and we continue to look for innovative technologies to address the remaining risk.
- Met our major wildfire mitigation plan commitments, including hardening over 480 miles of powerlines.
- Put 180 miles of powerlines underground—exceeding our 2022 goal of 175 miles—as part of our game-changing investment to underground 10,000 miles of powerlines.
- Continued our Enhanced Powerline Safety Settings (EPSS) program, which allows for automatic shutdown of electric lines if the electric system senses a problem. We saw a more than 65% reduction in CPUC-reportable ignitions on EPSS-enabled lines in High Fire-Threat Districts in 2022 (compared to the 2018 to 2020 average).
- Did not initiate a Public Safety Power Shutoff (PSPS) event in 2022 due to weather conditions, program improvements, and the integration of other wildfire-mitigation tools. That compares to five PSPS events affecting about 80,000 customers in 2021, six events affecting about 650,000 customers in 2020, and seven events affecting about two million customers in 2019.

Fostering Innovation

- Announced innovative vehicle-grid charging technology partnerships with GM and Ford, with the first vehicle-to-home installations planned in 2023.
- Partnered to launch XPRIZE Wildfire, a four-year, \$11 million global competition announced in 2023 to pursue innovative technologies to help end catastrophic wildfires.
- Partnered with Tesla Motors Inc.™ to deploy our first Virtual Power Plant pilot program for customers with behind-the-meter energy storage devices such as batteries.



Reduce inequality within and among countries

Enhancing Diversity, Equity, and Inclusion

- Continued to earn top-tier recognition for our commitment, including rankings from the Human Rights Campaign, Disability Equality Index, and National LGBT Chamber of Commerce and Partners in the National Business Inclusion Consortium.
- Embraced the diversity of our workforce:
 - About 49% of our coworkers are ethnic minorities and 26% are women.
 - About 7% of our workforce are military veterans and 7.5% are individuals with disabilities (IWD).
- Disclosed hires, promotions, and turnover by gender, ethnicity, veteran, and IWD status.

Promoting Economic Vitality

- Spent over \$4.7 billion or 39.3% of our total procurement expenditures with diverse suppliers, the highest dollar spend in the history of our supplier diversity program.
- Graduated our 15th year of PowerPathway™, an innovative program that helps people, including women and military veterans, prepare for high demand jobs in the utility and energy industry. There have been more than 1,180 graduates since the program's inception in 2008.



Make cities inclusive, safe, resilient and sustainable

Customer and Community Engagement

- Continued to see the benefits of our Regional Service Model, with leaders in each of our five regions strengthening local relationships and addressing local needs.
- Contributed nearly 30,000 coworker volunteer hours to nonprofit organizations throughout California.

Giving Back to Our Communities

- Contributed \$22.3 million to charitable organizations through our Better Together Giving Program, designed to help address critical social, educational, and environmental challenges in the communities we serve.
- Raised \$6 million in employee pledges in our annual Campaign for the Community—reaching more than 5,000 organizations.
- Permanently protected 26,104 acres of land as part of our Land Conservation Commitment, which ultimately will protect 140,000 acres of PG&E-owned watershed lands.



Take urgent action to combat climate change and its impacts

Committed to Climate Action

- Made progress on our bold climate commitments, including goals to achieve a net zero energy system by 2040 and to become "climate positive" by 2050 by actively removing more greenhouse gases than we emit.

Reducing Our Footprint

- Exceeded our Million Ton Challenge, a voluntary goal to avoid one million tons of greenhouse gas emissions from our operations over five years (2018-2022).
- Reached 24% methane emissions reductions from our gas system relative to 2015—exceeding the state's 20% requirement two years early.
- Deployed 10 Ford F150 Lightning electric pick-up trucks and worked to add full-electric underground cable construction vans and more pick-up trucks.
- Reduced aggregated energy use intensity in our facilities by 11% compared to the prior year, including reductions of 31% in electricity and 25% in natural gas usage.
- Reduced water use at our facilities by 9.5% and water use intensity by 12% relative to the prior year.
- Generated about 16% less solid waste compared to the prior year with a diversion rate of 82%.

Building Climate Resilience

- Awarded \$400,000 in grants to help communities build a network of local hubs to build community resilience to climate-driven extreme weather events through the Resilience Hubs grant program.

1. Based on a comparison in the Utility's GRC testimony of the wildfire risk score for a baseline risk level to a risk level reflecting the Utility's mitigation work. Risk scores are calculated using the scoring methodology established by the CPUC in the Safety Model Assessment Proceeding, which reflects the frequency with which various risks are expected to occur and the potential safety, reliability, and financial impacts of varying degrees of wildfire severity.



Task Force on Climate-Related Financial Disclosures (TCFD)



[Climate Strategy Report](#)

PG&E's *Climate Strategy Report* aligns with the recommendations of the Task Force on Climate-Related Financial Disclosures (TCFD). This report provides information on PG&E's strategy and the steps we are taking to meet the challenge of climate change on behalf of the more than 16 million Californians who rely on PG&E to deliver their energy.

The report describes the risks and opportunities PG&E faces from a changing energy landscape—along with the potential physical impacts of a changing climate and associated weather patterns. It also describes how PG&E governs climate-related issues and manages climate related risks.



Corporate Sustainability Report Data Index

This page provides an index to data tables and charts found within the 2023 Corporate Sustainability Report.

About PG&E

- Coworker, Customer, and Energy System Statistics
- Financial Performance

Performance

- Key Sustainability Indicators

Wildfire Safety

- Wildfire Mitigation Progress
- Electric System Reliability

Gas Safety

- Gas Safety Progress
- Natural Gas Throughput

Ethics, Compliance & Risk Management

- Ethics and Compliance Training
- Environmental Compliance

Public Policy Engagement

- Political Contributions
- Trade Association Dues

People

- Key Sustainability Indicators

Workforce Safety

- Employee Safety Statistics
- Employee Motor Vehicle Safety Statistics
- Contractor Safety Statistics

Diversity, Equity, Inclusion & Belonging

- Workforce Demographics
- External Hires, Promotions, and Turnover

Engaging Our Teams

- Joy at Work Coworker Survey
- Employee Volunteer Hours

Planet

- Key Sustainability Indicators

Our Climate Goals

- Greenhouse Gas Emissions for Delivered Electricity
- Scope 1, 2, and 3 Greenhouse Gas Emissions

Clean Energy

- Net Operating Capacity of Owned Generation Facilities
- General Energy Production Statistics
- Electric Power Mix Delivered to Retail Customers
- Renewable Energy and Battery Storage Progress
- Hydropower Reliability and Area Protected by Fencing and Gating
- Nuclear Power Plant Performance
- Natural Gas Power Plant Performance

Enabling Customer Solutions

- Customer Energy Efficiency Energy Savings and Avoided Emissions
- Demand Response Load Reduction
- Customer Solar Interconnected Systems and Installed Battery Storage
- Plug-In Electric Vehicles in PG&E's Service Area
- PG&E-Supplied Natural Gas Consumed by the Transportation Sector

Reducing Our Carbon Footprint

- Scope 1, 2, and 3 Greenhouse Gas Emissions
- Methane Emissions
- Transportation Fleet Emissions and Fuel Consumed
- Facility Emissions and Energy Consumed
- Sulfur Hexafluoride Emissions

Environmental Stewardship

- Protected and Restored Habitat
- Environmental Stewardship in Our Hydroelectric Operations
- Water Use Statistics
- Air Emissions
- Waste Diversion at Facilities
- Hazardous and Other Waste

California's Prosperity

- Key Sustainability Indicators

Engaging Customers

- Customer Satisfaction Score

Energy Affordability & Equity

- Average Monthly Bills
- Home Weatherproofing Improvement Projects through Energy Savings Assistance Program
- Franchise Fee and Property Tax Payments

Community Investments

- Aggregated Contributions by Charitable Focus Area
- Support for Disadvantaged Communities

Career Pathways

- Careers through PowerPathway
- Training Effectiveness

Supply Chain Responsibility

- Annual Supplier Diversity Results
- Annual Small Business Results
- Supplier Engagement in Environmental Management
- Suppliers Reporting Emissions and Reduction Goals