



Energy Management for Your Business



PG&E's Energy Solutions for Petroleum Facilities

Industry Facts

Tough environmental regulations and global competition make it more important than ever to focus on optimizing the energy use of your facilities and equipment.

PG&E's team of energy-efficiency experts can help you choose programs and services that help you to reduce energy use and operating costs and to stay ahead of technological market trends and environmental innovation.

Energy Management Services for the Petroleum Sector

Service	Description	Result
Pricing Plans	Analysis of your industrial facilities' energy usage patterns to determine your most beneficial pricing plan	Can reduce your energy bills
Customized Retrofit Incentives	Incentives for replacing equipment and systems to achieve greater energy efficiency	Reduces energy costs, lowers GHG emissions and increases operational efficiency
Energy-efficiency Rebates	Rebates paid for installing qualifying energy-efficient equipment	Improves return on investment for most common measures
Energy Audits	Assessment of your site to identify the best opportunities for improved energy efficiency and potential savings	Analyzes current energy usage and identifies savings opportunities
New Construction	Resources and incentives for energy-efficient design and construction	Increases operational efficiency and reduces energy costs
Demand Response	Incentives for voluntary temporary load reduction during peak demand periods	Reduces peak energy costs and ensures the reliability of California's electrical grid
Solar and Self-generation	Rebates for the installation of photovoltaic, wind, fuel cell and other generation systems	Reduces energy costs and carbon footprint
On-bill Financing (OBF)	No-interest loans available to eligible customers for energy-efficient retrofit projects, to be repaid through monthly PG&E bills	Provides financing for energy-efficiency projects

Energy-efficiency Solutions and New Technologies

Here are some of the most popular measures and technologies that can be used in the petroleum sector to save money and energy. PG&E account representatives, program partners and affiliates can help you choose the projects that make the most sense for your organization.

Energy-efficiency Measures

Customer	Equipment	Possible Technology/Strategy
Upstream/Oilfield	Pumping Units	<ul style="list-style-type: none"> • Right-sizing • Retrocommissioning • Variable Speed Drives
	Fluid Processing	<ul style="list-style-type: none"> • High-efficiency Filtering and Treatment • Pipeline Sizing and Optimization
	Steam Flood	<ul style="list-style-type: none"> • Split Pass Steam Generators • Variable Speed Drives for Retrofits • Pipeline Insulation
Midstream/Pipeline	Pumps	<ul style="list-style-type: none"> • Variable Speed Drives • Pump Case and Impeller Retrocommissioning
Downstream/Refining	Heaters	<ul style="list-style-type: none"> • Improved Heat Transfer • Burner Retrofits
	Pumps	<ul style="list-style-type: none"> • Variable Speed Drives • Energy-efficient Motors
	Steam	<ul style="list-style-type: none"> • Steam Traps and Steam Leaks • Insulation • Condensate Heat Recovery • Ceramic Coatings
	Compressors	<ul style="list-style-type: none"> • Pressure and Flow Controls • Retrocommissioning

New Regulatory Requirements

PG&E energy management services can also help your organization meet the following energy-focused standards for California petroleum sector.

California Energy Standards

Name	Description
California Title 24	Specifies minimum building energy performance
California AB 1103	Mandates benchmarking of commercial buildings being sold, leased or refinanced
California AB 32 (Global Warming Solutions Act)	Requires businesses to reduce greenhouse gas emissions
Nitrogen Oxide (NOx) Boiler Standards (San Francisco Bay Area and San Joaquin Valley)	Specifies lower levels of allowable NOx emissions associated with boiler systems
Green Building Initiative State of California Executive Order S-20-04	Requires improved energy efficiency and reduced water consumption to balance out the carbon footprint of all new buildings in California

Your Next Steps with PG&E

For more information on how PG&E can help your petroleum sector manage energy consumption and reduce costs, visit www.pge.com/petroleum.

You can also contact your PG&E account representative or call our Business Customer Service Center at 1-800-468-4743.