

Energy Solutions for Indoor Horticulture



Energy is a key resource for indoor horticulture. Smart energy management can be a powerful tool in addressing stricter regulatory standards and rising energy costs. This fact sheet provides an overview of Pacific Gas and Electric Company's (PG&E) services to improve energy management for indoor horticulture.

The success of your operations depends on reliable energy and managing costs. Our team of energy specialists is available to assist you in taking advantage of PG&E's energy-efficiency and money-saving services. PG&E can help you realize a quicker return on your investments, increase the capacity of your existing systems and improve the reliability of California's electrical grid.

Energy Management Services for Indoor Horticulture

SERVICE	DESCRIPTION	RESULT
Rate Plan	Agricultural rates are changing, so have a rate analysis done. Time of Use rates peak window will shift to 5-8 p.m. in 2021. Customers can optionally enroll in March 2020.	Can reduce your energy bill
New Construction	Speak to PG&E early in the design phase. PG&E can provide incentives and will help make your new facility or expansion more energy efficient.	Increases operational efficiency and reduces energy costs
Retrofits	Earn incentives for replacing equipment and systems to achieve greater energy efficiency.	Reduces energy costs
Retrocommissioning	Tune up your existing equipment to optimize efficiencies.	Maximizes existing infrastructure
Demand Response	Earn ongoing incentives for reducing electric load during times of high energy costs.	Reduces your energy costs and supports the growth of renewable energy on the electric grid.
Zero Percent Financing	Receive zero-interest loans for energy-efficient retrofit projects, which are repaid through your monthly PG&E bills.	Provides financing for energy-efficiency projects
Self-generation	Earn rebates for the installation of battery storage, wind, fuel cell and other generation systems. Visit pge.com/sgip for more information and incentive rates.	Reduces energy costs and carbon footprint
Education and Training	Attend free PG&E classes. New classes are added every year.	Provides the latest technology and training

1 Contact us to find out about your eligibility for PG&E programs

2 Schedule a site visit with PG&E and ask about an energy audit

3 Develop your energy management project with PG&E's wide range of resources and services

Talk with your PG&E account representative or call the **Agricultural Customer Service Center** at **1-877-311-FARM (3276)**.



From 2018-2019, PG&E paid indoor horticulture facility owners over \$700,000 in energy-efficiency incentives.



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PG&E provides generous rebates for equipment upgrades, and there are many rebates available for business customers. Listed below are some of the most popular technologies available that can save money and energy. Your PG&E account representative or authorized PG&E partner can help you choose the best solutions for your business.

Energy-efficiency rebates, incentives and financing

SOLUTION	BENEFIT
Premium-efficiency Motors (PEMs)	Qualified premium-efficiency motors offer significant energy savings as well as lower vibration and increased reliability, especially in equipment with long operating hours.
Heat Curtains	Heat curtains can reduce heating costs 30 to 50 percent if used during the energy-intensive nighttime heating period. They also provide shading during the day, which may save electricity due to reduced cooling loads.
Infrared Film	Double polycarbonate, double acrylic or double-inflated polyethylene with infrared film can reduce heating costs.
Boilers and Water Heating	Replace inefficient boilers with more efficient technology that can help you save money and meet Nitrogen Oxide (NOx) standards. Check with your local city and county authorities about NOx emission requirements before choosing a boiler.
Under-bench or Root-zone Heating	These heating methods save energy by allowing growers to lower the air setpoint temperature in greenhouses. Plants benefit from even root temperatures.
Horizontal Air Flow (HAF) Fans	Furnaces or unit heaters with HAF fans improve temperature, humidity and CO ₂ distribution.
Horticultural Lighting	Light-Emitting Diode (or LED) fixtures are one of the most efficient lighting technologies today and the technology that has the most potential for growth.

Next steps

For more information on how PG&E can help your business manage energy consumption and reduce costs, contact your PG&E account representative, call the PG&E **Agricultural Customer Service Center** at 1-877-311-FARM (3276) or visit pge.com/ag.