



Energy Management for Your Business



PG&E's Energy Solutions for Agriculture and Irrigation

Energy is a key resource for farmers. 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 agriculture and irrigation.

PG&E paid more than \$5,559,000 in energy-efficiency incentives to California agriculture and irrigation operations in 2012.

Our account representatives are available to help eligible customers receive incentives for smart energy management.



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 Agriculture and Irrigation

Service	Description	Result
Rate Plan	Agricultural rates change, so have a rate analysis done annually	Can reduce your energy bill
Advanced Pumping Efficiency Program (APEP)	Have your pumps tested every two years	Can receive rebates to offset repair costs for inefficient pumps
New Construction	Speak to PG&E early in the design phase. Our Savings By Design program provides incentives and will help make your new building 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	Implement a plan to reduce electric load on the hottest days of the year	Reduces peak energy costs
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
Solar and Other Self-generation	Earn rebates for the installation of solar, wind, fuel cell and other generation systems	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



Energy Solutions for Agriculture and Irrigation

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 for agriculture and irrigation 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 and Incentives

Solution	Benefit
Drip Irrigation and Low-pressure Sprinkler Nozzles	Crop yields can be improved by replacing flood and high-pressure systems with a micro-irrigation system of drip and low-pressure nozzles. When water use is optimized, less pumping is required. Other benefits include increased production and yields, increased quality and uniformity of crop production, accelerated crop maturity, increased ability to farm marginal land and substantial water savings.
Variable Frequency Drives (VFDs)	VFDs can reduce energy use by matching the flow of a pump to load requirements. If programmed correctly, these motors can also help reduce mechanical maintenance costs by ramping up slowly to meet system demand.
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.
Advanced Pumping Efficiency Program (APEP)	Administered by California State University, Fresno's Center for Irrigation Technology, APEP subsidizes over 2,400 pump tests per year and provides cash incentives for pump retrofit projects. With their mobile simulation trailer they are able to bring a pump workshop to your community. Contact them at 1-800-845-6038 or via the web at www.pumpefficiency.org .

Your Next Steps with PG&E

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 www.pge.com/ag.