



Willdan Energy Solutions, through a contract awarded by Pacific Gas and Electric Company (PG&E), implements the Healthcare Energy Efficiency Program (HEEP) in the PG&E service territory. The program offers customized energy-saving solutions for healthcare customers along with full-service development, management, and implementation of energy-saving projects.

Willdan has more than two decades of experience in providing energy efficiency and comprehensive project management services.

Willdan Energy Solutions

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Helping you find your green.SM

The Healthcare Energy Efficiency Program (HEEP) enables medical facilities to lower energy use and utility costs while increasing operational efficiency, conserving natural resources and reducing air emissions. HEEP offers a combination of financial incentives, energy audits, engineering analyses, implementation oversight, and retro-commissioning assistance to help facility owners and managers upgrade their existing equipment with new, energy-efficient equipment and controls. HEEP offers a “one-stop” solution to help PG&E healthcare customers identify energy efficiency improvements and qualify for incentive/rebate dollars to help offset the cost of implementing these measures. Our team will guide customers through the application process and complete all the necessary paperwork, making the process easy.

HEEP targets healthcare facility customers receiving electric and/or gas service from PG&E, including medical office buildings, skilled nursing facilities, acute care hospitals, and other ancillary building types. To ensure that the program is successful and straightforward, PG&E contracts with Willdan Energy Solutions, a third-party energy efficiency specialist, to implement the services.

Eligibility Requirements

Hospitals, medical office buildings, and skilled nursing homes may be eligible. Other medical facilities may be eligible upon PG&E’s approval.

Energy Efficiency Measures Covered

HEEP supports retrofitting and retro-commissioning measures for:

Heating, Ventilation and Air Conditioning (HVAC)

- Chillers
- Cooling Towers
- Controls
- Pump and motor upgrades
- VFD Installations

Lighting

- LED Retrofits
- Lighting Controls

Heating

- Boilers
- Motors, including air handlers and boiler fans

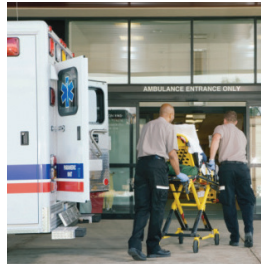
Specialty Equipment

- Medical equipment
- Food services, including variable-frequency drives (VFD) on hoods, refrigeration, ice machines and storage appliances
- Laundry

Support from Inception to Inspection

HEEP provides guidance and engineering resources throughout the project. The program process involves these steps:

1. The customer enrolls in the program by signing a site-access agreement (SAA), allowing HEEP engineering and program staff to conduct an initial facility site audit. The preliminary audit goal is to identify energy efficiency opportunities available at the site and identify which of those items should proceed to the comprehensive audit phase.
2. HEEP presents the preliminary energy audit report to the customer and helps decision makers select energy efficiency measures (EEMs) that best suit the organization's business needs and capacities.
3. Once the customer selects which measures to pursue, HEEP conducts a comprehensive audit, with the goals of defining engineering design and construction services needed to implement the selected EEMs.
4. The customer commits to program participation and installation of the selected EEMs by signing a program participation agreement (PPA). The comprehensive audit report is submitted to PG&E for technical review and incentive approval.
5. As the customer completes the installation, HEEP serves as technical consultant, providing bid evaluation assistance, purchase order review, and periodic oversight at the customer facility to verify all equipment installation meets design specifications and program requirements.



Incentive Amounts

HEEP works closely with participating facilities to optimize financial value for the client. The chart below illustrates HEEP incentives: all incentives are capped at 50 percent of project costs. In addition to these measures listed below, Willdan also pays deemed rebates for projects.

Measure Name	\$/peak kW	\$/kWh
Standard Lighting		
Fluorescent, metal halide or other lighting installations and lighting controls	\$150	\$0.03
Targeted Lighting		
LED retrofits and advanced controls	\$150	\$0.08
Other Equipment		
Air compressors, EMS controls, motors, process and other specialized equipment.	\$150	\$0.08
Air-Conditioning and Refrigeration (AC&R)		
Chillers, cooling towers, refrigeration systems, packaged units greater than 63.3 tons	\$150	\$0.15
Retrocommissioning		
An in-depth investigation that identifies specific O&M improvements to HVAC mechanical equipment, lighting, refrigeration, and related controls and incentives for implementation of recommended improvements.	\$150	Custom Incentive up to \$0.08
Natural Gas		
	\$1.00 per therm	

For more information, please contact:

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www.willdan.com/energy/heep-pge.html

The Healthcare Energy Efficiency Program is funded by California utility customers and administered by Pacific Gas and Electric Company (PG&E) under the auspices of the California Public Utilities Commission through a contract awarded to Willdan Energy Solutions. California customers who choose to participate in this program are not obligated to purchase any additional services offered by the contractor. The trademarks used herein are the property of their respective owners.

