PG&E’s Commercial HVAC Optimization Program

Pacific Gas and Electric Company’s (PG&E) customers have a great way to bring qualifying heating, ventilation and air-conditioning (HVAC) units to a higher level of performance, efficiency and reliability.

PG&E’s Commercial HVAC Optimization Program ("the Program") offers generous incentives for enrolling in a single-year, air-conditioning (A/C) maintenance service agreement and installing optional unit retrofits. You will lower your operating, repair and maintenance costs, and also:

- Optimize unit performance and efficiency
- Improve indoor air quality and thermal comfort for your employees and customers
- Help prevent HVAC unit failures that can threaten your business operations
- Reduce your business’s carbon footprint

Reduce your energy, maintenance and A/C unit replacement costs

Customers who switch from a "service only when needed" plan to the Program can save up to $500 per year per unit† in operating, servicing and repair costs. Even customers who operate with a regular "check-based" plan could save up to $260 per year per unit†. The Program is designed for commercial rooftop units powered by electricity from PG&E. Units that may not be eligible for incentives include:

- Units weighing less than three tons
- New units under warranty
- Units that participated in PG&E’s AirCare Plus™ program within the past five years
- Units that participated in the Commercial Quality Maintenance program within the past five years
- Units that are in a serious state of disrepair
- Units that are in a serious state of disrepair
- Help prevent HVAC unit failures that can threaten your business operations
- Reduce your business’s carbon footprint

Customer and contractor incentives to participate

Incentives paid directly to PG&E’s customers can be up to $1,726 per unit. Customers will receive incentive payments when the contractor raises the unit to Air Conditioning Contractors of America (ACCA) Standard 180 during the one-year period of the Program’s service agreement. The Program also pays a portion of the repair and upgrade costs directly to the enrolled HVAC contractor.

Additional incentives are available for optional retrofit add-ons, such as advanced controls and sensors, variable speed drives and high-efficiency motors. The Program qualifies contractors and their technicians through comprehensive sales, operations and technical training.

HOW TO COLLECT YOUR INCENTIVE

100% of the incentive is paid after baseline service is completed.

Steps to the incentive:

1. Licensed contractor conducts current system review.
2. Licensed contractor identifies required changes.
3. Licensed contractor performs industry-standard maintenance optimization (ACCA Standard 180)
4. After an initial baseline visit, customer collects the incentive and continues on for three more quarterly maintenance visits.
**Equipment enhancement options**

- **Economizer upgrades:** Digital economizer controls and updated motors and sensors enhance the efficiency of your HVAC system, reducing over-ventilation and improving indoor air quality.

- **Enhanced ventilation control (EVC):** Installation of advanced motor controllers on top of the demand control ventilation items listed above will significantly increase the energy efficiency available on a packaged HVAC system.

The Program offers incentives to help offset part of the cost of the equipment enhancement options.

**Manage your energy bill**

During a typical summer day, the hourly energy usage of a PG&E commercial building shows the relative importance of managing your HVAC unit so that it reaches its optimal performance, especially if your business is on a time-of-use rate plan. With time-of-use rates, when you use energy is as important as how much you use. Time-of-use rates are higher during summer peak periods, which are weekdays from noon to 6 p.m., May through October, and are lower at all other times. To help you to better manage your building energy usage through regular, quality maintenance by a participating contractor, sign up for the Commercial HVAC Optimization Program.

**Time-of-Use Summer Rates**

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<th>COST PER kWh</th>
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<td>12 a.m.</td>
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<td>OFF-PEAK</td>
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**Get started today**

Contact a local, participating contractor today to begin moving your HVAC system to a more energy-efficient, cost-effective maintenance solution. Call 1-888-265-0057 or email pgehvacoptimization@honeywell.com if you have questions about getting started today. You can also visit pgehvacoptimization.com for more information.

**ASHRAE/ACCA Standard 180, Accredited by ANSI**

The Program adopts new standards from ASHRAE and ACCA that promote baseline conditioning and enhanced planned maintenance of HVAC rooftop units. These standards and practices have been accredited by ANSI. For more information about these industry associations, visit:

- **American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE):** [ashrae.org](http://ashrae.org)
- **Air Conditioning Contractors of America (ACCA):** [acca.org](http://acca.org)
- **American National Standards Institute (ANSI):** [ansi.org](http://ansi.org)

**Did you know?**

In Northern California during summer peak hours, HVAC energy usage can range between 30 percent and 70 percent in commercial buildings.^[Source: Commercial End-Use Survey (CEUS) 2006 Report]