

Pacific Gas and Electric Company  
Energy-Efficiency Rebates for Your Business

# Heating, Ventilation and Air Conditioning Rebate Catalog

Saving energy for a brighter future



Together, Building  
a Better California

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## Commercial Ventilation

### Demand Control Kitchen Ventilation

Demand Control Kitchen Ventilation (DCKV) provides automated continuous control over fan speed in response to temperature, optical or infrared sensors that monitor cooking activity or direct communication with cooking appliances. The ENERGY STAR® Emerging Technology Award has identified DCKV as an innovative technology. To learn more, visit [energystar.gov/emergingtech](http://energystar.gov/emergingtech).

#### Requirements:

- New commercial kitchen exhaust hood control system must be installed in a new or an existing, dedicated commercial kitchen exhaust hood and make-up air system.
- Control system must be used in conjunction with variable-speed fan motor controls.
- Installation address must have a commercial electric account with PG&E.
- For a list of rebate-qualified demand control kitchen ventilation systems, visit [caenergywise.com/rebates](http://caenergywise.com/rebates).

Rebate Code	Description	Rebate/Unit Measure
F150	Demand Control Kitchen Ventilation Electric	\$500/exhaust fan hp*

\*horsepower (hp)



## Central Natural Gas Furnaces

### Requirements:

- To qualify, the central natural gas forced air furnace must have an annual fuel utilization efficiency (AFUE) rating of:
  - 95 to 96.9 percent for the \$150 rebate
  - 97 percent or greater for the \$250 rebate
- Application must include a permit number and a signature from a licensed contractor.
- Only residential furnaces installed in a small\* commercial setting qualify for this rebate. To find a list of qualifying equipment that meets or exceeds the program requirements, go to [ahridirectory.org](http://ahridirectory.org). In the Residential Directory, select "Furnaces," then indicate the AFUE minimum in the appropriate box and search.
- Furnaces located outdoors or exposed to damp conditions must be weatherized.
- Rebate only applies to the following building types: assembly, education (community college, primary/secondary school, relocatable classroom), grocery, hospitals, hotels, nursing homes, small office, restaurant (fast-food, sit-down), single-story large retail, small retail, conditioned storage, refrigerated warehouses, manufacturing (biotech, light industrial), commercial, other.
- Installation address must have both commercial natural gas and electric accounts with PG&E.

Rebate Code	Description	Rebate/Unit Measure
SA17	Central Natural Gas Furnace 95–96.9% AFUE without VSM	\$150/unit
SA19	Central Natural Gas Furnace ≥ 97% AFUE without VSM	\$250/unit

\*Small office is defined as less than 20,000 sq. ft., with small retail as less than 5,000 sq. ft.

## Central Natural Gas Furnaces with Built-in Variable-Speed Motors

### Requirements:

- Central natural gas forced air furnace with built-in variable-speed motor (VSM) must have an annual fuel utilization efficiency (AFUE) rating of:
  - 95 to 96.9 percent for the \$200 rebate
  - 97 percent or greater for the \$300 rebate
- Application must include a permit number and a signature from a licensed contractor.
- Only residential furnaces installed in a small commercial setting qualify for this rebate. To find a list of qualifying equipment that meets or exceeds the program requirements, go to [ahridirectory.org](http://ahridirectory.org). In the Residential Directory, select "Furnaces," then indicate the AFUE minimum in the appropriate box and search.
- Brushless direct current (DC) motor, also known as an electronically commutated motor (ECM), qualifies for this rebate.
- Consult with a licensed contractor to verify that your furnace has a built-in VSM.
- Furnaces located outdoors or exposed to damp conditions must be weatherized.
- Rebate only applies to the following building types: assembly, education (community college, primary/secondary school, relocatable classroom), grocery, hospitals, hotels, nursing homes, small office, restaurant (fast-food, sit-down), single-story large retail, small retail, conditioned storage, refrigerated warehouses, manufacturing (biotech, light industrial), commercial, other.
- Installation address must have both commercial natural gas and electric accounts with PG&E.

Rebate Code	Description	Rebate/Unit Measure
SA16	Central Natural Gas Furnace 95–96.9% AFUE with VSM	\$200/unit
SA18	Central Natural Gas Furnace ≥ 97% AFUE with VSM	\$300/unit

## Replacement Multiple-Speed Brushless Permanent Magnet Blower Motors

### Requirements:

- Supply air blower with a new, super-efficient, direct replacement brushless permanent magnet blower motor with built-in controller must replace the existing, permanent split capacitor motor.
- Motor must be 10 horsepower (hp) or less to be eligible for this rebate.
- Motor must be capable of plugging into existing control board.
- Rebate only available to customers residing in climate zones (CZ) 11, 12 and 13. To find your climate zone, visit [pge.com/climatezones](http://pge.com/climatezones).
- Installation address must have a commercial electric account with PG&E.

### Exclusions:

A variable frequency drive (VFD) is not eligible for this rebate.

Rebate Code	Description	Rebate/Unit Measure
H182	Replacement Multiple-Speed Brushless Permanent Magnet Blower CZ restrictions apply	\$50/unit

## Variable Frequency Drives for HVAC Fans

### Requirements:

- The variable frequency drive (VFD) must be applied to existing HVAC supply, return or exhaust air fan motors.
- VFD must be applied to HVAC applications in which there is a call for varying air flow demand. Motor speed shall be controlled to automatically adapt to varying air flow demand.
- VFDs must be applied to single-speed motors.
- Throttling devices, such as inlet vanes or bypass dampers, must be removed or permanently disabled.
- Installation must follow manufacturer's guidelines and instructions.
- Rebate only applies to the following building types: secondary schools, community colleges, universities, hospitals, hotels, nursing homes, large offices, multistory large retail. For building types that do not apply, rebates for Advanced Rooftop HVAC Controls may be applicable.
- Installation address must have a commercial electric account with PG&E.

### Exclusions:

- Rebates are not eligible for constant fan speed applications.
- HVAC fan motors less than 3 horsepower (hp) or greater than 100 hp are not eligible for this rebate. (For HVAC fan motors less than 3 hp, rebates for Advanced Rooftop HVAC Controls may be applicable.)
- Applications where variable speed fans are required by code are not eligible for this rebate.
- Applications on cooling tower fans are not eligible for this rebate.

### Additional details:

- Place the VFD as close to the motor as possible (ideally less than 15 ft) when applying VFD to a standard duty NEMA motor. Failure to do so may result in premature motor failure.
- Maintain sufficient air flow through the motor to prevent overheating.
- Comply with the practices and requirements of ANSI/IEEE 519-2014.

Rebate Code	Description	Rebate/Unit Measure
H148	Variable Frequency Drive for HVAC Fan	\$80/hp



## Notched V-Belts Replacing Solid V-Belts

### Requirements:

- Customer must pick correct measure code for the type of packaged HVAC unit and enter the HVAC unit's tons of air-conditioning (AC) capacity on the rebate application as "Quantity."
- Customer must request separate rebate for each HVAC unit retrofitted with notched belts. See the HVAC unit's nameplate. (1 ton AC capacity = 12,000 Btuh)
- Customer must identify the building location, HVAC unit, motor, HVAC tonnage, v-belt make and model number and the quantity of the belts being replaced.
- Customer must replace solid v-belts with notched v-belts on HVAC supply or return fan motor.
- Only "A" or "B" type v-belts are considered.
- Rebate only applies to the following building types: assembly, education (community colleges, primary/secondary schools, relocatable classrooms, universities), hospitals, nursing homes, hotels, offices, restaurants (fast-food, sit-down), retail, conditioned storage, manufacturing (biotech, light industrial), other.
- Installation address must have a commercial electric account with PG&E.

### Exclusions:

- Packaged HVAC units already fitted with notched v-belts do not qualify. Only units with solid v-belts qualify.
- Rebates for SA14 do not apply to relocatable classrooms.

Rebate Code	Description	Rebate/Unit Measure
SA13	HVAC Fans Cogged V-Belt Replacement for Gas Packs	\$0.35/ton (max \$30/motor)
SA14	HVAC Fans Cogged V-Belt Replacement for Heat Pumps	\$0.35/ton (max \$30/motor)
SA15	HVAC Fans Cogged V-Belt Replacement for Unitary AC Only	\$0.35/ton (max \$30/motor)





## Advanced Rooftop HVAC Controls

Retrofit your existing rooftop HVAC unit with one of several advanced control options.

### Requirements:

- Customer must pick correct measure code for the type of packaged HVAC unit and enter the HVAC unit's tons of air-conditioning (AC) capacity on the rebate application as "Quantity." See the HVAC unit's nameplate for cooling capacity. (1 ton AC capacity = 12,000 Btuh)
- Installation must follow manufacturer's requirements. Customer must also ensure that controls are installed and operate according to current applicable building and energy codes.
- Installation address must have a commercial electric account with PG&E.

## Advanced Digital Economizer Control Systems for Packaged HVAC Units

Retrofit your existing analog or nonfunctional economizer controller for your packaged HVAC unit with an advanced digital economizer control (ADEC) system. ADECs detect and report problems with sensors, dampers and other components so that energy efficiency can be maintained.

### Requirements:

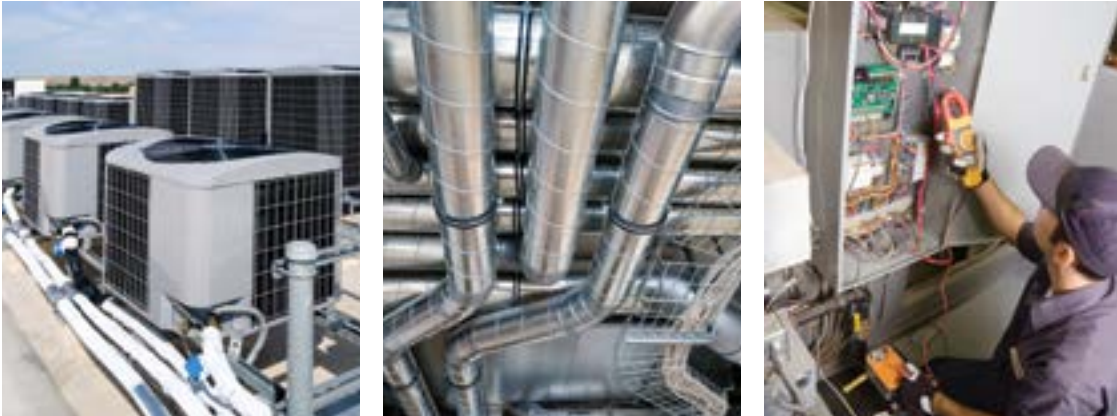
- Customer must pick correct measure code for the type of packaged HVAC unit and enter the HVAC unit's tons of air-conditioning (AC) capacity on the rebate application as "Quantity." See the HVAC unit's nameplate for cooling capacity. (1 ton AC capacity = 12,000 Btuh)
- Customer must replace existing analog or nonfunctional economizer control system with an ADEC system.
- Installation must follow manufacturer's requirements. Customer must also ensure that controls are installed and operate according to current applicable building and energy codes.
- Customer cannot combine this rebate with demand controlled ventilation (DCV) or enhanced ventilation control (EVC) rebate offers for the same HVAC unit.
- Rebate applicable for heat pumps, air conditioners, gas packs and variable air volume (VAV) systems.
- Installation address must have a commercial electric account with PG&E.

### Exclusions:

Not all building types qualify. See table below for eligible building types.

**Eligible Building Type Table for Advanced Digital Economizer Controls (ADEC)**

Measure	Packaged HVAC Unit Type	Eligible Building Types
HV294	Gas Pack	Assembly, community colleges, primary schools, relocatable classrooms, secondary schools, universities, grocery, hospitals, hotels, motels, manufacturing (biotech and light industrial), nursing homes, large and small offices, restaurants (fast-food and sit-down), retail (single/multistory large, small), conditioned storage, refrigerated warehouses, other
HV295	Air Conditioning	Assembly, community colleges, primary schools, relocatable classrooms, secondary schools, universities, grocery, hospitals, hotels, motels, manufacturing (biotech and light industrial), nursing homes, large and small offices, restaurants (fast-food and sit-down), retail (single/multistory large, small), conditioned storage, refrigerated warehouses, other
HV296	Heat Pump Unit	Assembly, community colleges, primary schools, relocatable classrooms, secondary schools, universities, grocery, hospitals, hotels, manufacturing (biotech and light industrial), nursing homes, large and small offices, restaurants (fast-food and sit-down), retail (single/multistory large, small), conditioned storage, refrigerated warehouses, other
HV297	Variable Air Volume (VAV) Unit	Community colleges, secondary schools, universities, hospitals, hotels, manufacturing (biotech), nursing homes, large and small offices, multistory large retail



## Demand Controlled Ventilation for Packaged HVAC Units

Add demand controlled ventilation (DCV) to your packaged HVAC unit. DCV enables your economizer to reduce the amount of outside air when the conditioned space is occupied by fewer people than the design capacity. A CO<sub>2</sub> sensor provides the occupancy signal to the advanced digital economizer control (ADEC) system. This is a good energy-efficiency measure for conditioned spaces with highly-variable or low occupancy. If your rooftop unit already has an ADEC, then you have the option of just adding a CO<sub>2</sub> sensor.

### Requirements:

- Customer must pick correct measure code for the type of packaged HVAC unit and enter the HVAC unit's tons of air-conditioning (AC) capacity on the rebate application as "Quantity." See the HVAC unit's nameplate for cooling capacity. (1 ton AC capacity = 12,000 Btuh)
- Rebate is based on the HVAC unit's cooling capacity and is maxed at \$1,500 per ADEC, plus CO<sub>2</sub> sensor system, or \$600 for CO<sub>2</sub> sensor.
- Installation must follow manufacturer's requirements. Customer must also ensure that controls are installed and operate according to current applicable building and energy codes.
- Customer must install DCV on existing operational packaged HVAC unit.
- Installer and manufacturer must warrant equipment for at least two years for parts and labor. All installed equipment must be new.
- Rebate cannot be combined with ADEC or enhanced ventilation control (EVC) rebate offers for the same HVAC unit.
- Rebate only applies to the following building types: assembly, education (primary/secondary school, relocatable classrooms, universities), small office, restaurant (fast-food, sit-down), retail, manufacturing (biotech), other.
- Installation address must have a commercial electric account with PG&E.

## Enhanced Ventilation Control for Packaged HVAC Units

Add enhanced ventilation control (EVC) to your packaged HVAC unit. EVC kits add variable speed, CO<sub>2</sub> sensors and advanced digital economizer control (ADEC) to existing packaged HVAC units. These retrofit add-on technologies can reduce the ventilation rate and outside air when the conditioned space is occupied by fewer people than the design capacity. This is a good energy-efficiency measure for conditioned spaces with highly-variable or low occupancy.

### Requirements:

- Customer must install EVC on existing operational packaged HVAC unit.
- Rebate cannot be combined with ADEC or demand control ventilation (DCV) rebate offers for the same HVAC unit.
- Rebate only applies to the following building types: assembly, education (primary/secondary school, universities), small office, restaurant (fast-food, sit-down), retail, manufacturing (biotech), other.
- Installation address must have a commercial electric account with PG&E.

### Exclusions:

Variable air volume (VAV) packaged HVAC units are excluded.

		Advanced Digital Economizer Controller	Demand Controlled Ventilation		Enhanced Ventilation Control		
Packaged HVAC Unit Type	ADEC	+CO <sub>2</sub> sensor only to existing ADEC	ADEC + CO <sub>2</sub> sensor	ADEC + CO <sub>2</sub> sensor + VFD	ADEC + CO <sub>2</sub> sensor + VFD + NEMA Premium Motor	ADEC + CO <sub>2</sub> sensor + VFD + Permanent Magnet Motor	
		Gas Pack	HV294	HV027	HV026	SA07	SA08
Heat Pump Unit	HV296	HV031	HV030	SA10	SA11	SA12	
Air Conditioning	HV295	HV029	HV028	No rebate available			
Variable Air Volume (VAV) Unit	HV297						
Rebate/Unit Measure	\$10/ton (max \$150)	\$40/ton (max \$600)	\$100/ton (max \$1,500)	\$155/ton (max \$3,875)	\$190/ton (max \$4,750)	\$194/ton (max \$4,850)	

Demand controlled ventilation and enhanced ventilation control do not have specific separate rebates for the VAV category, but VAV is an option on the other three HVAC types: gas pack, heat pump and air conditioning only. (For example, an HVAC unit can be a VAV heat pump.)

# Dairy

## Agricultural Ventilation Fans

Installing agricultural ventilation fans helps dairy operations managers avoid compromising animal health while still improving energy efficiency, increasing cow comfort and reducing contaminant exposure in dairy facilities. These fans are box, panel or basket fans and are sometimes designated as low-volume, high-speed fans that are used primarily to cool cows.

### Requirements:

- Customer must convert from an agricultural ventilation fan to a high-efficiency, agricultural ventilation fan specifically designed for dairy ventilation.
- New fans must replace ventilation fans one-for-one, and must be designed to provide same airflow and radius as preexisting fans.
- Eligible agricultural ventilation fans are listed on the University of Illinois Bioenvironmental and Structural Systems Lab (BESS) website ([bess.uiuc.edu](http://bess.uiuc.edu)) using the minimum cubic feet per minute per watt (cfm/W) listed below, by rebate code.
- Installation address must have an agricultural electric account with PG&E.

### Exclusions:

- Rebates are for retrofit measures only (like-for-like replacement); no new construction (added load) applications are allowed.
- Applications are for added load, or for fans larger than 48 inches in diameter and must be handled under PG&E's Calculated Incentives program.
- Portable fans are not eligible for this incentive measure.

### Application process:

- To qualify for this rebate, customer must include a dated invoice that lists the number of fans, fan diameter and the manufacturer make/model.
- For questions on eligibility, contact your PG&E account representative, or call the Agricultural Customer Service Center at **1-877 311-FARM (3276)**.

Rebate Code	Description	Rebate/Unit Measure
H207	Ventilation Fans or Box Fans 24"-26" Retrofit	\$150 each (min. cfm/W 14.0)
H208	Ventilation Fans or Box Fans 36" Retrofit	\$200 each (min. cfm/W 20.4)
H209	Ventilation Fans or Box Fans 48" Retrofit	\$130 each (min. cfm/W 21.9)

## Definitions

**Air Conditioning, Heating and Refrigeration Institute (AHRI):** This organization offers product information and testing procedures. For more information, visit [ahrinet.org](http://ahrinet.org).

**American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE):** This organization provides lists of program-qualifying products and information on test procedures. For more information, visit [ashrae.org](http://ashrae.org).

**Annual Fuel Utilization Efficiency (AFUE):** This measures the percentage of fuel that is converted into usable heating energy. For example, a 90 percent AFUE furnace means that 90 percent of the fuel is used in heating a facility, while 10 percent escapes as exhaust with the combustion gases.

**Anti-Sweat Heaters (ASH):** ASH are typically applied to low-temperature refrigerated display cases to prevent glass doors from fogging and cold surfaces from forming condensation. Commonly, ASH stay on at full load around the clock. Their contribution to the cooling load and electric power consumption of the refrigeration system can be significant.

**Ballast:** This is a lighting component that controls the electrical current drawn in from a power source.

**Btu:** British thermal unit, which refers to the amount of heat required to raise the temperature of 1 pound of water by 1 degree Fahrenheit.

**Btuh:** British thermal units per hour.

**Bubble Diffusion:** This is a laundry method of inserting ozone into water by continuously bubbling ozone directly into the drum of the clothes washer throughout the wash cycle.

**California Energy Commission's Appliance Efficiency Database:** [energy.ca.gov/appliances](http://energy.ca.gov/appliances).

**CEC:** This refers to the California Energy Commission.

**Climate Zones (CZ):** Climate zones are based on energy use, temperature, weather and other factors. They are basically a set of geographic areas that are grouped according to similar climatic characteristics.

**CO<sub>2</sub> Sensor:** This device measures the parts per million (PPM) of CO<sub>2</sub> in the air.

**Color Rendering Index (CRI):** This is a measure of a light source's ability to show object colors "realistically" or "naturally" compared to a familiar reference source, either incandescent light or daylight.

**Conditioned Area/Space:** This term refers to an area being heated or cooled by the heating, ventilation and air conditioning (HVAC) system.

**Consortium for Energy Efficiency (CEE):** To learn more about CEE's Tier specifications, visit [cee1.org](http://cee1.org).

**Database for Energy Efficient Resources (DEER):** This database contains information on selected energy-efficient technologies and measures.

**Display Case:** This equipment is designed to store and display chilled and/or frozen foodstuffs.

**Electrical Testing Laboratory (ETL):** This organization marks products of compliance to applicable electrical, gas and other safety standards. For more information, visit [etl.com](http://etl.com).

**Electronically Commutated Motors (ECM):** ECMs are synchronous motors that are powered by a DC electric source using an integrated inverter/switching power supply, producing an AC electric signal, which drives the motor.

**End-Use Customers:** This term refers to customers who acquire energy for their own consumption.

**Energy Factor (EF):** EF measures a water heater's efficiency, based on recovery efficiency, standby losses and cycling losses. The higher the EF, the more efficient the water heater. This measure is only used for residential-grade water heaters.

**ENERGY STAR®:** To learn more about ENERGY STAR's energy-efficiency specifications, visit [energystar.gov/cfs](http://energystar.gov/cfs).

**Fixture:** Generally, a light fixture is an electrical device used to create artificial light by use of an electric lamp. All light fixtures have a fixture body and a socket to hold the lamp and allow for its replacement. For PG&E lighting rebates, a fixture refers to new equipment being installed based on system wattage (lamp and ballast for fluorescent fixtures).

**HID:** This refers to high-intensity discharge.

**High-Performance Linear Fluorescent Fixture Ballasts:** This term refers to National Electrical Manufacturers Association (NEMA) premium or Consortium for Energy Efficiency (CEE)-qualified T8 ballasts or T5 ballasts.

**High-Performance Linear Fluorescent Lamps:** This refers to Consortium for Energy Efficiency (CEE)-qualified 4-foot T8 lamps or 2-foot T8/T5 lamps with at least 20,000-hour-rated life and a Color Rendering Index (CRI) that meets or exceeds 82.

**Horsepower (hp):** This is a unit of power equal to 550 foot-pounds per second.

**Ice Making Head (IMH):** Automatic commercial ice makers that do not contain integral storage bins, but are generally designed to accommodate a variety of bin capacities. Storage bins entail additional energy use not included in the reported energy consumption figures for these units.

**Indoor Tank:** This refers to a tank located in an enclosed indoor space, where it is not exposed to sun or wind.

**Integrated Retrofit Kits:** These replace existing fluorescent lamps, sockets and ballasts, along with the lens and frame, and they can be installed easily into the existing fluorescent fixture. Troffers provide the required electrical components, LED light sources and optical elements, which include new lens and door frame—all in a prepackaged kit.

**K-Value:** This refers to thermal conductivity and has a unit of Btu-inch per hour, per square foot, per degree Fahrenheit.

**Kilolumen:** A kilolumen is 1,000 lumens.

**Large Office:** This refers to office buildings typically greater than 20,000 square feet.

**Large Retail:** Retail buildings that are typically greater than 5,000 square feet.

**Light-Emitting Diode (LED):** LED is a light-emitting diode product that is assembled into a lamp (or light bulb) for use in lighting fixtures. LED lamps have a lifespan and electrical efficiency that is several times better than incandescent lamps, and significantly better than most fluorescent lamps, with some chips able to emit more than 100 lumens per watt.

**Low Temperature:** For freezers, refrigerated space temperatures are considered “low” if they are below 32 degrees Fahrenheit.

**Lumen (lm):** A lumen is the unit of light output.

**MBtu:** 1,000 British thermal units.

**MBtuh:** 1,000 British thermal units per hour.

**Medium Temperature:** For coolers, refrigerated space temperatures are considered “medium” if they are between 32 to 50 degrees Fahrenheit.

**Minimum Energy Efficiency Ratio (EER):** EER is a measure of the efficiency of the unit. It indicates the cooling capacity in Btu per watt hour. The higher the EER rating, the higher the efficiency of the unit.

**National Electrical Manufacturers Association (NEMA) Premium Ballasts:** These are the most efficient fluorescent fixed output and dimmable electronics for T8 ballasts to be recognized by NEMA.

**NEMA Premium Motor:** This is an alternating current (AC) induction motor that has a certified efficiency rating from NEMA.

**Parking Garage:** A parking garage is a covered building or structure for the purpose of parking vehicles, which consists of at least a roof over the parking area, enclosed with walls on all sides. Parking garages may have fences, rails, partial walls (pony wall) or other barriers in place of one or more walls. The structure has an entrance(s) and exit(s) and includes areas for vehicle maneuvering to reach the parking spaces. If the roof of the parking structure is also used for parking, the section without an overhead roof is considered a parking lot instead of a parking garage.

**Permanent Mag Motor:** This term refers to a permanent magnet alternating current (AC) motor.

**Pounds per Square Inch (PSIG):** This refers to the pounds of steam pressure per square inch, as shown on a gauge. The steam system should have a steam pressure gauge attached that reads the pressure of the steam in the pipes. The pressure gauge will register in pounds of pressure per square inch.



**Reach-in Cabinets:** These are refrigerated retail display cabinets with chilled glass door(s) and horizontal/semi-horizontal merchandising. Cabinets enable customers to view contents even when closed, and enable customers to self-serve. Styles include:

- “Plug-in” refrigerated display cabinets with integral refrigeration systems (for example, incorporating a compressor and condensing unit)
- “Remote” refrigerated display cabinets designed to work with a nonintegral refrigeration system (for example, where the compressor and condenser, or all or parts of the refrigeration system, are located at a different location from the cabinet)

**Remote Condensing Unit (RCU):** A type of automatic commercial ice maker in which the ice-making mechanism and condenser or condensing unit are in separate sections. This includes ice makers with and without remote compressor.

**R-Value:** Insulation is rated in terms of thermal resistance, called R-value, which indicates the resistance to heat flow. A greater R-value corresponds with a greater insulating effectiveness.

**Self-Contained Unit (SCU):** A type of automatic commercial ice maker in which the ice-making mechanism and storage compartment are in an integral cabinet.

**Shaded-Pole Motor:** This type of motor is the original form of an AC single-phase induction motor.

**Small Office:** This refers to office buildings that are typically less than 20,000 square feet.

**Small Retail:** This refers to retail buildings that are typically less than 5,000 square feet.

**System Types:** Commercial refrigeration equipment can be classified into two categories: split-system refrigeration systems and self-contained refrigeration systems. Split-system configurations have a condenser unit that is located remotely, usually on the rooftop, which allows it to exchange heat with the outside air. Self-contained units have all of the components, including the condenser, contained in a single package.

**Thermal Efficiency (TE):** Measures a water heater’s efficiency, based on recovery efficiency, standby losses and cycling losses. The higher the TE, the more efficient the water heater. It is only used for nonresidential grade water heaters.

**Ton:** When used in reference to air conditioning systems, a ton is the unit of measurement that is the cooling capacity of the system and is 12,000 Btuh.

**Total Washer Capacity:** This refers to the rated capacity of installed and operating washing machine units that will be connected to an ozone laundry system. This is normally measured in pounds capacity.

**Troffer:** A troffer is a rectangular light fixture that fits into a modular dropped ceiling grid.

**Underwriters Laboratories (UL):** This independent product safety certification organization’s website is [ul.com](http://ul.com).

**Uniform Energy Factor (UEF):** This measures a water heater's efficiency, based on recovery efficiency, standby losses and cycling losses. The higher the UEF, the more efficient the water heater. UEF is used to measure both residential and nonresidential water heaters.

**Variable Frequency Drive (VFD):** This electric motor control changes the driven motor's input power frequency measured in cycles per second by either manual setting or variable input from one or more sensors.

**Venturi Injection:** This laundry method inserts ozone, using very high pressure, directly into the cold-water supply line leading to a washer.

**Walk-in Coolers/Freezers:** Also known as "walk-ins," these are insulated refrigerated spaces with access doors large enough for people to enter. Walk-ins are used for food storage and merchandising in the food service and food sales applications.

## More ways for your business to save money

To find the latest rebate information and catalogs or to apply for rebates online, visit [pge.com/businessrebates](http://pge.com/businessrebates).

PG&E offers a wide range of tools and resources that can help your business save energy and money while helping the environment.

- Check out PG&E's Calculated Incentives for businesses if you did not find a rebate matching the high-efficiency equipment you would like to install. To learn more, visit [pge.com/cr](http://pge.com/cr).
- Sign up for automated benchmarking service at [pge.com/benchmarking](http://pge.com/benchmarking), which allows you to use the ENERGY STAR® Portfolio Manager to track and compare your facility's energy performance over time.
- Use PG&E's audit tools to identify options for saving energy and money at your facility, and get started on developing a comprehensive energy management plan. Visit the Business Energy Checkup at [pge.com/waystosave](http://pge.com/waystosave).
- Find out how you can earn incentives for large custom projects, including equipment upgrades and retrocommissioning, by using PG&E's Calculated Incentives Program. Visit [pge.com/customized](http://pge.com/customized) and [pge.com/rcx](http://pge.com/rcx).
- Explore PG&E's demand response programs, which offer incentives for managing your energy use during times of peak demand. Visit [pge.com/demandresponse](http://pge.com/demandresponse).
- Check out PG&E's third-party programs at [pge.com/thirdparty](http://pge.com/thirdparty). These programs are managed by energy-efficiency specialists and offer a range of services to provide you with industry-specific, energy-saving solutions—from dairies and wineries to food processors.
- Use PG&E's Savings By Design or Customized New Construction programs to build in energy efficiency from the ground up and earn incentives at the same time. To get started, visit [pge.com/savingsbydesign](http://pge.com/savingsbydesign).
- Go to the Agriculture and Food Processing section of PG&E's website at [pge.com/ag](http://pge.com/ag) to learn about loans and grants that focus on food, agribusiness, alternative energy and environmental programs, or call our **Agricultural Customer Service Center** at [1-877-311-FARM \(3276\)](tel:1-877-311-FARM).
- If you are considering generating your own electricity, talk to your PG&E account representative about incentives for solar, wind and fuel cell self-generation equipment.

You also may learn more about these programs, tools and offers by contacting your local PG&E account representative or by calling our **Business Customer Service Center** at [1-800-468-4743](tel:1-800-468-4743).

Ready to get started with your next project and need the help of a contractor? Find local vendors who participate in PG&E's energy-efficiency rebate programs for your business at [pge.com/tradeprodirectory](http://pge.com/tradeprodirectory).