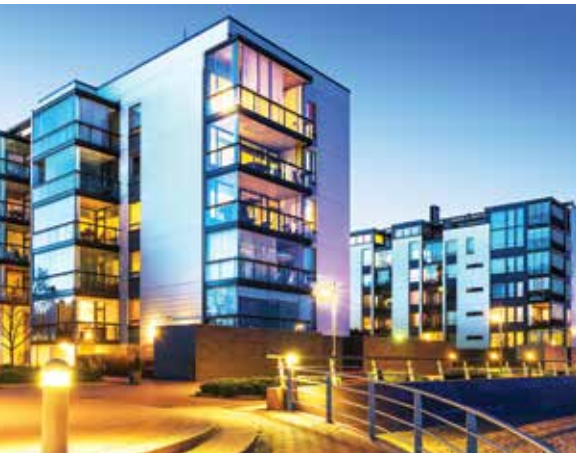
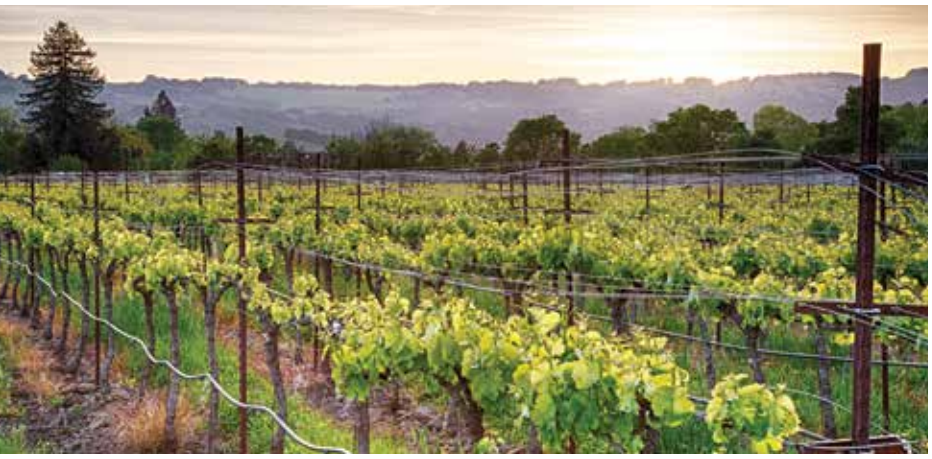
Business Rebate Catalog





PG&E

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HVAC and Lighting Control Workforce Standard Qualification Requirements.

To be eligible for an incentive for non-residential heating, ventilation, and air conditioning (HVAC) measures exceeding $3,000 and/or for lighting control (LC) measures exceeding $2,000, prior to these measures being installed, modified or maintained, each technician rendering such work is required to provide their applicable qualification documentation.

HVAC measure installations:

The person doing the work must have at least one of the following criteria:

(a) Completed an accredited HVAC apprenticeship

(b) Is enrolled in an accredited HVAC apprenticeship

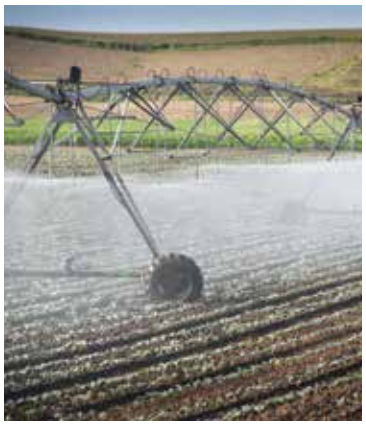
(c) Completed at least five years of work experience at the journey level according to the Department of Industrial Relations definition, Title 8, Section 205, of the California Code of Regulations, passed a practical and written HVAC system installation competency test, and received credentialed training specific to the installation of the technology being installed, or

(d) Has a C-20 HVAC contractor license issued by the California Contractor's State Licensing Board

Lighting control measure installations:

The person doing the work must produce an installer certification from the California Advanced Lighting Controls Training Program

Agriculture and Food Processing Rebates



Irrigation

Advanced Pumping Efficiency Program

A worn pump could be costing you hundreds or thousands of dollars in excess electric charges and reducing access to water. A pump is the heart of an irrigation system. When it does not meet growing requirements, crops can suffer in size and quality.

Pump testing

Schedule subsidized tests for pumps of 25 horsepower (hp) or greater every 23 months so that you can maintain a reliable pump that will deliver the right flow and pressure for optimum irrigation efficiency.

Pumping efficiency

To encourage increased efficiency, PG&E provides incentives to retrofit eligible pumps of any size. There are also cash incentives, based on your annual energy use, with maximum payout 50 percent of the project cost.

Learn more at pumpefficiency.org.

Sprinkler-to-Drip Irrigation

Replacing a high-pressure sprinkler system with drip irrigation reduces water, energy and maintenance costs, and increases yields and revenue. Switching to drip irrigation also enables crop production in those areas where water supplies are depleted or restricted.

Requirements:

- System must be converted from a high-pressure, impact-type sprinkler irrigation system (50 PSI operating pressure or more at the sprinkler head) to a low pressure (less than 40 PSI) micro-irrigation system.
- Drip tape system is eligible, but the drip tape must be at least 10 mil thick or have a warranty of at least five years.
- Low-pressure micro-sprinklers are eligible for this program.
- Installation address must have an agricultural electric account with PG&E.

Exclusions:

- Rebates are not applicable to new plantings of crops, unless a field crop was the previous crop planted on the field.
- Drip tape, drip tubes or other drip irrigation systems with expected service life of less than five years are not eligible, including disposable drip tape.
- Rebates are not eligible in conjunction with Agricultural Irrigation Pump Variable Frequency Drive rebate applied for within the last five years.
- Rebates are not eligible for replacement of previously rebated equipment.

Application process:

- Customer must include dated invoice that lists drip system equipment, manufacturer's make/model, a copy of the manufacturer's equipment specification cut sheet and, if applicable, the warranty details of the drip system installed.
- Customer must include an assessor's parcel map, or other documentation, to verify acreage.
- For questions on application process or eligibility, contact your PG&E representative, or call the Agricultural Customer Service Center at 1-877 311-FARM (3276).

Rebate Code	Description	Rebate/Unit Measure
A266	**Sprinkler-to-Drip Irrigation** Field Vegetables	**$44/acre**

Agricultural Irrigation Pump Overhaul
(Less than or equal to 25 horsepower)

Overhauling irrigation pumps enables you to increase your irrigation system's efficiency. Without changing your irrigation system design, you can reduce the energy it takes to run the pumps while still distributing the volume of water your crops need.

Requirements:

- Existing pump must be operational prior to the overhaul. Proof of the pump's operating status may be required in order to receive the incentive.
- Pump motor rating must be less than or equal to 25 horsepower (hp).
- Pump type must be one of the following: submersible well, submersible booster, centrifugal booster, turbine booster or turbine well.
- Pump overhaul must include at least one of the following: repairing/overhauling the pump bowl assembly/impeller, trimming the existing impeller on a booster pump or adjusting the bowl and impeller on a deep well pump.
- If adjusting the bowl and impeller on a deep well pump with semi-open impellers, all impellers in the bowl assembly must run in close proximity (0.003 to 0.007 inches) to the next lower bowl after adjustment. (For enclosed impellers with a principal seal that is parallel to the centerline of the shaft, a close axial adjustment is not necessary.)
- Installation address must have an agricultural electric account with PG&E.

Exclusions:

- Rebates do not apply to industrial pumps; only agricultural, irrigation district or other irrigation pumps are eligible.
- Specialty pumps with predetermined low load factors, such as fire pumps and storm water pumps, do not qualify for incentives.
- Pump replacements, in lieu of overhauling the existing pumps, are not eligible for incentives.

Application process:

- Applicant must provide an invoice that includes the detailed scope of work of the overhaul. To qualify, at least one of the following must be performed: repairing/overhauling the pump bowl assembly/impeller, trimming the existing impeller on a booster pump or adjusting the bowl and impeller on a deep well pump.
- If hp is not indicated on the invoice, applicant must provide photograph of pump motor nameplate showing pump hp is less than or equal to 25 hp.

Rebate Code	Description	Rebate/Unit Measure
IR001	Centrifugal Booster Pump System Overhaul (≤ 25hp)	$75/hp
IR002	Submersible Well Pump System Overhaul (≤ 25hp)	$75/hp
IR003	Submersible Booster Pump System Overhaul (≤ 25hp)	$75/hp
IR004	Turbine Booster Pump System Overhaul (≤ 25hp)	$75/hp
IR005	Turbine Well Pump System Overhaul (≤ 25hp)	$75/hp

Agricultural Irrigation Pump Variable Frequency Drive

Adding a variable frequency drive (VFD) to irrigation pumps may enable you to reduce your irrigation system's operating pressure, thus reducing energy consumed by pumps. Adding a VFD also enables you to vary the flow of water as needed for your irrigation schedules, while providing additional benefits such as soft start capability and enhanced performance of equipment.

Note: A VFD can save energy in cases where pumps and irrigation equipment are oversized, or in situations with variable water supply or irrigation flow conditions, but are not recommended in all situations. Consult a PG&E expert or an irrigation system engineer for more information.

Requirements:

- VFD must be installed on a single-speed pump motor for booster and/or well pump.
- VFD must be used to control flow in pumping applications which require throttling below full flow to meet irrigation requirements.
- Rebate is applicable to pressurized irrigation system types, including sprinklers, microsprinklers and drip, but excluding flood irrigation.
- VFD is recommended, but not required, to meet power quality requirements as specified by Institute of Electrical and Electronics Engineers (IEEE) Standard 519-2014, Recommended Practices and Requirements for Harmonic Control in Electric Power Systems.
- To qualify for the higher incentive measures (IR012, IR013, IR014 and IR015), the VFD system must comply with the specifications for PG&E Agricultural Pumping VFD Incentive Program, as prepared by California Polytechnic University, San Luis Obispo. The VFD specification should be dated 8/15/2017 or after. The current version of VFD specifications, can be found here: **itrc.org/VFD** at the Irrigation Training and Research Center website.
- Operation must be a minimum of 1,000 hours per year.
- Installation address must have an agricultural electric account with PG&E.

Exclusions:

- VFDs must be used to adjust operation of pumps to meet flow/pressure requirements and not simply as soft starters or for cavitation controls.
- VFDs must NOT be solely for the following pumping applications:
  - A well pump used to fill a reservoir
  - A well pump discharging directly into a canal
  - A mixed flow pump (high volume, low head)
- Rebates do not apply to industrial or commercial pumps. Only agricultural irrigation pumps are eligible.
- Rebates are not eligible in combination with A266 Sprinkler-to-Drip Irrigation Field Vegetables incentive.
- Rebates are not eligible if rebates were previously received for Sprinkler-to-Drip (A266/A268/A269) or Low-Pressure Irrigation Nozzles (A272/A273) incentives in the last five years.

continued

Application process:

- Customer must supply an invoice or other supporting documentation that includes the quantity of VFD(s), type (well and/or booster), horsepower rating of motor(s) and VFD(s), area map showing physical location of pumps and the manufacturer's make/models of the VFD(s) installed.
- To qualify for the higher incentive measures (IR012, IR013, IR014 and IR015), customer must supply additional required documentation as stated in the VFD specification, which can be found at **itrc.org/VFD**.

Rebate Code	Description	Rebate/Unit Measure
IR006	Well Pumps—Variable Frequency Drive, Retrofit and New Construction only (≤ 300hp)	$20/hp/motor (max $6,000)
IR007	Booster Pumps—Variable Frequency Drive, Retrofit and New Construction only (≤ 150hp)	$20/hp/motor (max $3,000)
IR012	Well Pumps (LTE 75hp) VFD—Enhanced Specifications, Retrofit, and New Construction	$60/hp/motor (max $6,500)*
IR013	Booster Pumps (LTE 75hp) VFD—Enhanced Specifications, Retrofit, and New Construction	$60/hp/motor (max $6,500)*
IR014	Well Pumps (GT 75hp to LTE 600hp) VFD—Enhanced Specifications, Retrofit and New Construction	$60/hp/motor (max $36,000)
IR015	Booster Pumps (GT 75hp to LTE 150hp) VFD—Enhanced Specifications, Retrofit and New Construction	$60/hp/motor (max $9,000)

*In addition to the $60 per horsepower (hp) incentive, this measure includes a $2,000 bonus incentive.

Livestock and Dairy

Agricultural Process Fan Variable Speed Drive

Improve the energy efficiency and effectiveness of an agricultural process fan by adding a variable speed drive (VSD). A VSD ensures that air flows to barns, greenhouses, storage facilities, and other farm buildings when it's needed. By circulating air only when necessary, or at the right level of intensity, it's possible to lower the cost of energy bills. Adding a VSD to an agricultural process fan is a smart and energy-efficient measure.

Requirements:

- Agricultural process fans must not be used for HVAC, exhaust, pressurization or other process applications.
- Individual fan motors must not exceed 3 horsepower (hp).
- Fan must operate continuously or be manually operated with an ON/OFF control switch.
- Fan motors must not be two-speed or have an existing VSD.
- VSD must control multiple fans up to 3 hp each in arrays with one VSD or with one VSD for each fan.
- VSD must vary the speed of the fan automatically based on ambient conditions.
- Rebate applicable only to agricultural buildings in climate zones CZ11, CZ12 and CZ13.

Additional details:

- Place the VSD as close to the motor as possible when applying VSD to a standard duty National Electrical Manufacturers Association (NEMA) motor. Failure to do so may result in premature motor failure.
- Maintain sufficient airflow through the motor to prevent overheating.
- Must comply with the practices and requirements of American National Standards Institute (ANSI)/Institute of Electrical and Electronic Engineers (IEEE) 519-2014 found here: standards.ieee.org/standard/519-2014.html.

Rebate Code	Description	Rebate/Unit Measure
HV385	VSD on Agricultural Ventilation Fans (1hp to 2hp)*	$75/hp
HV386	VSD on Agricultural Ventilation Fans (≥ 2hp to 3hp)*	$75/hp

*Multiple fans may be linked onto the same VSD circuit box, i.e. allowing multiple units to be controlled together.

Agricultural Ventilation Fans

Installing agricultural ventilation fans helps dairy and livestock operations managers avoid compromising animal health while still improving energy efficiency, increasing animal comfort and reducing contaminant exposure in livestock holding 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 poultry and livestock.

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) 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)

Food Service Rebates

Commercial Cooking

Commercial Combination Ovens/Steamers (Electric)

Requirements:

- Oven must have a cooking energy efficiency of 50 percent or greater in steam mode and 70 percent cooking energy efficiency or greater in convection mode, utilizing American Society for Testing and Materials (ASTM) Standard F2861.
- Oven must meet the idle energy rate requirements in the accompanying *Electric Combination Ovens/Steamers Rebates* table, utilizing ASTM Standard F2861.
- Installation address must have a commercial electric account with PG&E.
- For a list of rebate-qualified commercial combination ovens/steamers, visit caenergywise.com/rebates.

Exclusions:

- 2/3-size combination ovens are not eligible.
- Electric combination ovens with a pan capacity of < 5 are not eligible.

Additional details:

For more information about food service, visit PG&E Food Service Technology Center at fishnick.com.

Electric Combination Ovens/Steamers Rebates

Pan Capacity	Steam Mode/Idle Energy Rate	Convection Mode/Idle Energy Rate
Less than 15 pans*	5.0 kW or less	2.0 kW or less
15–28 pans*	6.0 kW or less	2.5 kW or less
More than 28 pans*	9.0 kW or less	4.0 kW or less

*Combination oven/steamer pan capacity is based on the maximum capacity of full-size, 2½-inch deep hotel pans. This must be consistent with the number of pans used to meet the energy-efficiency qualifications for ASTM F2861.

Rebate Code	Description	Rebate/Unit Measure
HA16	**Commercial Combination Oven/Steamer** Electric (< 15 pans)	$1,000/unit
F100	**Commercial Combination Oven/Steamer** Electric (15–28 pans)	$1,000/unit
HA19	**Commercial Combination Oven/Steamer** Electric (> 28 pans)	$4,000/unit

Commercial Combination Ovens/Steamers (Natural Gas)

Requirements:

- Oven must have a cooking energy efficiency of 38 percent or greater in steam mode and 44 percent or greater in convection mode, utilizing American Society for Testing and Materials (ASTM) Standard F2861.
- Oven must meet the idle energy rate requirements in the accompanying *Gas Combination Ovens/Steamers Rebates* table, utilizing ASTM Standard F2861.
- Installation address must have a commercial natural gas account with PG&E.
- For a list of rebate-qualified commercial combination ovens/steamers, visit caenergywise.com/rebates.

Exclusions:

- 2/3-size combination ovens are not eligible.
- Gas combination ovens with a pan capacity < 6 are not eligible.

Gas Combination Ovens/Steamers Rebates

Pan Capacity	Steam Mode/Idle Energy Rate	Convection Mode/Idle Energy Rate
Less than 15 pans*	**15,000 Btuh or less**	**8,000 Btuh or less**
15–28 pans*	**18,000 Btuh or less**	**10,000 Btuh or less**
More than 28 pans*	**28,000 Btuh or less**	**16,000 Btuh or less**

*Combination oven/steamer pan capacity is based on the maximum capacity of full-size, 2½-inch deep hotel pans. This must be consistent with the number of pans used to meet the energy-efficiency qualifications for ASTM F2861.

Rebate Code	Description	Rebate/Unit Measure
HA48	**Commercial Combination Oven/Steamer** Natural Gas (< 15 pans)	**$700/unit**
F101	**Commercial Combination Oven/Steamer** Natural Gas (15–28 pans)	**$1,000/unit**
HA49	**Commercial Combination Oven/Steamer** Natural Gas (> 28 pans)	**$2,000/unit**

Commercial Conveyor Broilers

Requirements:

- Conveyor broiler must have a catalyst and a maximum input rate less than 80 kBtu/h or a dual stage or modulating gas valve with a capability of throttling the input rate below 80 kBtu/h.
- Conveyor broiler must be installed under a Type I hood.
- Installation address must have a commercial natural gas account with PG&E.
- For a list of rebate-qualified commercial conveyor broilers, visit **caenergywise.com/rebates**.

Exclusions:

Underfired broilers, char broilers, steakhouse or overfired broilers, solid fuel broilers, and salamanders are not eligible.

Additional details:

- Width is listed for cooking cavity.
- Broilers may have multiple parallel conveyors in a single cavity.
- Batch conveyor broilers are eligible.

Rebate Code	Description	Rebate/Unit Measure
FS023	**Energy Efficient Commercial Conveyor Broilers** < 22 inch wide conveyor	**$2,000/unit**
FS024	**Energy Efficient Commercial Conveyor Broilers** 22–28 inch wide conveyor	**$2,500/unit**
FS025	**Energy Efficient Commercial Conveyor Broilers** > 28 inch wide conveyor	**$3,000/unit**

Commercial Convection Ovens (Electric)

Requirements:

- Qualifying models must be listed in the California Energy Commission's (CEC) database.
- Model must meet ENERGY STAR® Version 2.2 specification or have a tested heavy-load (potato) cooking energy efficiency of 71 percent or more, utilizing American Society for Testing and Materials (ASTM) Standard F1496.
- Full-size electric ovens (less than or equal to 5 pans) must have an idle rate of 1.6 kilowatts (kW) or less.
- Large full-size ovens (greater than 5 pans) must have an idle rate of 1.9 kW or less and a heavy-load cooking energy efficiency of 73 percent or more.
- Half-size electric ovens must have an idle rate of 1.0 kW or less.
- Installation address must have a commercial electric account with PG&E.
- For a list of rebate-qualified commercial convection ovens, visit **caenergywise.com/rebates**.

Rebate Code	Description	Rebate/Unit Measure
F187	**Commercial Convection Oven** Electric	**$350/oven**

Commercial Convection Ovens (Natural Gas)

Requirements:

- Qualifying models must be listed in the CEC database.
- Model must meet ENERGY STAR Version 2.2 specification or have a tested heavy-load (potato) cooking energy efficiency of 46 percent or more, utilizing ASTM Standard F1496.
- Full-size gas ovens (less than or equal to 5 pans) must have an idle rate of 12,000 Btuh or less.
- Large full-size ovens (greater than 5 pans) must have an idle rate of 13,000 Btuh or less.
- Installation address must have a commercial natural gas account with PG&E.
- For a list of rebate-qualified commercial convection ovens, visit **caenergywise.com/rebates**.

Rebate Code	Description	Rebate/Unit Measure
F188	**Commercial Convection Oven** Natural Gas	**$500/oven**

Commercial Conveyor Ovens (Natural Gas)

Requirements:

- Oven must have a tested baking energy efficiency of 42 percent or greater and must have a tested idle energy rate that is 57,000 Btuh or less, utilizing American Society for Testing and Materials (ASTM) Standard F1817.
- Installation address must have a commercial natural gas account with PG&E.
- For a list of rebate-qualified commercial conveyor ovens, visit **caenergywise.com/rebates**.

Additional details:

Multiple-deck oven configurations are paid per qualifying oven deck.

Rebate Code	Description	Rebate/Unit Measure
F208	**Commercial Conveyor Oven** Natural Gas	**$500/oven deck**

Commercial Rack Ovens (Natural Gas)

Requirements:

- Both single and double full-size rack ovens are eligible.
- Oven must have a tested baking energy efficiency of 50 percent or greater, utilizing ASTM Standard F2093.
- Installation address must have a commercial natural gas account with PG&E.
- For a list of rebate-qualified commercial rack ovens, visit **caenergywise.com/rebates**.

Exclusions:

Mini rack ovens (less than 15 pans) are not eligible.

Rebate Code	Description	Rebate/Unit Measure
F207	**Commercial Rack Oven** Natural Gas	**$2,000/oven**

Commercial Fryers (Electric)

Requirements:

- Electric fryer (vat width less than 18 inches) must meet ENERGY STAR® Version 2.0 specification for energy efficiency or must have a tested heavy-load cooking energy efficiency of 80 percent and an idle energy rate less than or equal to 1,000 watts (W), utilizing American Society for Testing and Materials (ASTM) Standard F1361.
- Electric large vat fryer (vat width greater than or equal to 18 inches) must meet ENERGY STAR Version 2.0 specification for energy efficiency or must have a tested heavy-load cooking energy efficiency of 80 percent and an idle energy rate less than or equal to 1,100 W, utilizing ASTM Standard F2144.
- Installation address must have a commercial electric account with PG&E.
- For a list of rebate-qualified commercial fryers, visit **caenergywise.com/rebates**.

Additional details:

Multiple vat configurations are paid per qualifying vat.

Rebate Code	Description	Rebate/Unit Measure
F205	**Commercial Fryer** Electric	**$650/vat**

Commercial Fryers (Natural Gas)

Requirements:

- Gas fryer (vat width less than 18 inches) must meet ENERGY STAR® Version 3.0 specification for energy efficiency or must have a tested heavy-load cooking energy efficiency of 50 percent and an idle energy rate less than or equal to 9,000 Btuh, utilizing American Society for Testing and Materials (ASTM) Standard F1361.
- Gas large vat fryer (vat width greater than or equal to 18 inches) must meet ENERGY STAR Version 3.0 specification for energy efficiency or must have a tested heavy-load cooking energy efficiency of 50 percent and an idle energy rate less than or equal to 12,000 Btuh, utilizing ASTM Standard F2144.
- Installation address must have a commercial natural gas account with PG&E.
- For a list of rebate-qualified commercial fryers, visit **caenergywise.com/rebates**.

Additional details:

Multiple vat configurations are paid per qualifying vat.

Rebate Code	Description	Rebate/Unit Measure
F206	**Commercial Fryer** Natural Gas	**$749/vat**

Commercial Griddles (Electric)

Requirements:

- Griddle must have a tested heavy-load cooking energy efficiency of 70 percent or greater and an idle energy rate of 355 watts (W) per square foot of cooking surface or less, utilizing American Society for Testing and Materials (ASTM) Standard F1275.
- Installation address must have a commercial electric account with PG&E.
- For a list of rebate-qualified commercial griddles, visit **caenergywise.com/rebates**.

Rebate Code	Description	Rebate/Unit Measure
FS002	**Commercial Griddle** Electric	**$150/linear ft.**

Commercial Griddles (Natural Gas)

Requirements:

- Gas griddle must meet ENERGY STAR® Version 1.2 specification for energy efficiency or must have a tested heavy-load cooking energy efficiency of 38 percent or greater and an idle energy rate of 2,650 Btuh per square foot of cooking surface or less, utilizing ASTM Standard F1275.
- Installation address must have a commercial natural gas account with PG&E.
- For a list of rebate-qualified commercial griddles, visit **caenergywise.com/rebates**.

Rebate Code	Description	Rebate/Unit Measure
FS003	**Commercial Griddle** Natural Gas	**$100/linear ft.**

Commercial Steam Cookers (Electric)

Requirements:

- Cooker must meet ENERGY STAR® Version 1.2 specification for energy efficiency or must have a tested heavy-load (potato) cooking energy efficiency of 50 percent or greater, utilizing American Society for Testing and Materials (ASTM) Standard F1484.
- Installation address must have a commercial electric account with PG&E.
- For a list of rebate-qualified commercial steam cookers, visit caenergywise.com/rebates.

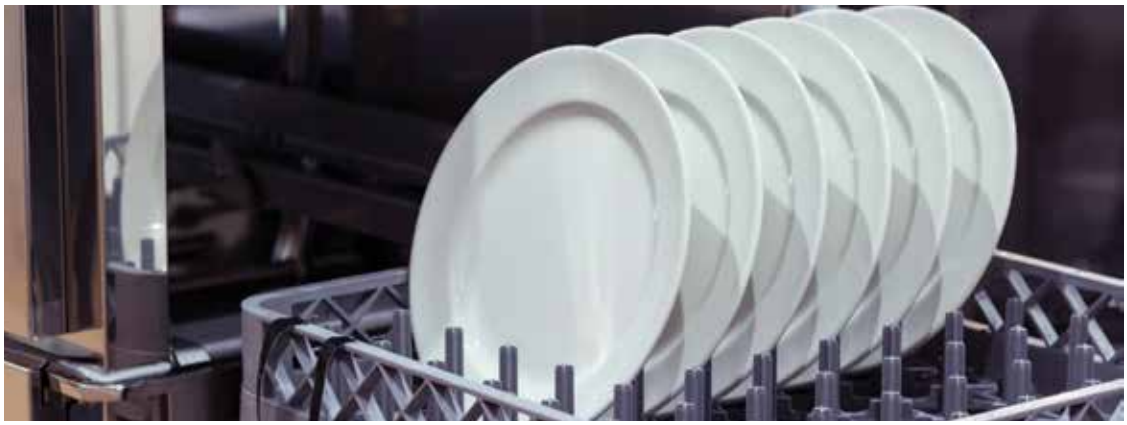
Rebate Code	Description	Rebate/Unit Measure
F108	**Commercial Steam Cooker** Electric	**$1,250/steamer compartment**

Commercial Steam Cookers (Natural Gas)

Requirements:

- Cooker must meet ENERGY STAR Version 1.2 specification for energy efficiency or must have a tested heavy-load (potato) cooking energy efficiency of 38 percent or greater, utilizing ASTM Standard F1484.
- Installation address must have a commercial natural gas account with PG&E.
- For a list of rebate-qualified commercial steam cookers, visit caenergywise.com/rebates.

Rebate Code	Description	Rebate/Unit Measure
F109	**Commercial Steam Cooker** Natural Gas	**$2,000/steamer compartment**



Commercial Dishwashing

Single Tank Door-Type Commercial Dishwashers

Requirements:

- Qualifying models must meet ENERGY STAR® Version 2.0 plus 15 percent water consumption or have a tested water consumption of less than or equal to 0.75 gallons/rack and idle energy rate less than or equal to 0.70 kilowatts (kW) per the ENERGY STAR test method.
- Qualifying models must be door-type, high temperature sanitizing.
- Installation address must have a commercial electric account with PG&E.
- For a list of rebate-qualified commercial dishwashers, visit caenergywise.com/rebates.

Exclusions:

Low-temperature, dump and fill/tankless, undercounter and conveyor dishwashers are not eligible.

Rebate Code	Description	Rebate/Unit Measure
FS005	Single Tank Door-Type Commercial Dishwasher	$600/unit

Wrapping

On-Demand Hand Wrap Machines

Requirements:

- Qualifying models must use either a mechanical or optical control system.
- Installation address must have a commercial electric account with PG&E.
- For a list of rebate-qualified on-demand hand wrap machines, visit caenergywise.com/rebates.

Rebate Code	Description	Rebate/Unit Measure
FS009	On-Demand Hand Wrap Machine	$125/unit

Holding

Insulated Holding Cabinets

Requirements:

- Qualifying models must be listed in the California Energy Commission (CEC) database.
- Cabinet must meet the Consortium for Energy Efficiency (CEE)-Tier 2 specification and must have a tested idle energy rate less than or equal to 20 watts (W) per cubic foot utilizing American Society for Testing and Materials (ASTM) Standard F2140.
- Cabinet (including electric hot-food holding cabinet) must be fully insulated with solid doors.
- Installation address must have a commercial electric account with PG&E.
- For a list of rebate-qualified insulated holding cabinets, visit caenergywise.com/rebates.

Exclusions:

Cook and hold equipment do not qualify.

Rebate Code	Description	Rebate/Unit Measure
F110	**Insulated Holding Cabinet** Full Size	$750/unit
F111	**Insulated Holding Cabinet** Half Size	$200/unit

Commercial Cooling

Commercial Glass Door Refrigerators

Requirements:

- Qualifying models must be listed in the California Energy Commission (CEC) database.
- Refrigeration system must be built in (packaged).
- Model must meet ENERGY STAR® Version 4.0 specification.
- Installation address must have a commercial electric account with PG&E.
- For a list of rebate-qualified commercial glass door refrigerators, visit **caenergywise.com/rebates**.

Exclusions:

Units with remote refrigeration systems do not qualify.

Rebate Code	Description	Rebate/Unit Measure
F171	**Commercial Glass Door Refrigerator** Internal volume less than 15 ft^3	**$30/unit**
F172	**Commercial Glass Door Refrigerator** Internal volume 15 ft^3–29.9 ft^3	**$60/unit**
F173	**Commercial Glass Door Refrigerator** Internal volume 30 ft^3–49.9 ft^3	**$80/unit**
F174	**Commercial Glass Door Refrigerator** Internal volume 50 ft^3 or greater	**$100/unit**

ft^3 equals cubic feet

Commercial Solid Door Refrigerators

Requirements:

- Qualifying models must be listed in the California Energy Commission (CEC) database.
- Refrigeration system must be built in (packaged).
- Model must meet ENERGY STAR® Version 4.0 specification.
- Installation address must have a commercial electric account with PG&E.
- For a list of rebate-qualified commercial solid door refrigerators, visit caenergywise.com/rebates.

Exclusions:

Units with remote refrigeration systems do not qualify.

Rebate Code	Description	Rebate/Unit Measure
F183	**Commercial Solid Door Refrigerator** Internal volume less than 15 ft^3	**$45/unit**
F184	**Commercial Solid Door Refrigerator** Internal volume 15 ft^3–29.9 ft^3	**$60/unit**
F185	**Commercial Solid Door Refrigerator** Internal volume 30 ft^3–49.9 ft^3	**$85/unit**
F186	**Commercial Solid Door Refrigerator** Internal volume 50 ft^3 or greater	**$120/unit**

ft^3 equals cubic feet

Commercial Solid Door Freezers

Requirements:

- Qualifying models must be listed in the California Energy Commission (CEC) database.
- Refrigeration system must be built in (packaged).
- Model must meet ENERGY STAR® Version 4.0 specification.
- Installation address must have a commercial electric account with PG&E.
- For a list of rebate-qualified commercial solid door freezers, visit caenergywise.com/rebates.

Exclusions:

Units with remote refrigeration systems do not qualify.

Rebate Code	Description	Rebate/Unit Measure
F179	**Commercial Solid Door Freezer** Internal volume less than 15 ft^3	**$75/unit**
F180	**Commercial Solid Door Freezer** Internal volume 15 ft^3–29.9 ft^3	**$100/unit**
F181	**Commercial Solid Door Freezer** Internal volume 30 ft^3–49.9 ft^3	**$160/unit**
F182	**Commercial Solid Door Freezer** Internal volume 50 ft^3 or greater	**$350/unit**

ft^3 equals cubic feet

Commercial Ice Machines

Requirements:

- Qualifying models must be listed in the California Energy Commission (CEC) database.
- Models must meet ENERGY STAR® Version 3.0 specification.
- Models include machines generating ice cubes that are 60 grams (2 oz.) or lighter. It also includes ice makers that flake, crush and fragment ice cubes.
- Rebate amount depends on ice making rate (pounds per day) and equipment type: self-contained units (SCU), Ice-making heads (IMH) and remote condensing units (RCU).
- Only air-cooled machines qualify for this rebate.
- Customer must purchase the entire Air Conditioning, Heating and Refrigeration Institute (AHRI)-tested ice-making system.
- Remote machines must be purchased with qualifying remote condenser or remote condenser/compressor unit.
- Ice machines must be tested in accordance with the AHRI Standard 810. Visit **ahrinet.org** to learn more about product information and testing procedures.
- Installation address must have a commercial electric account with PG&E.
- For a list of rebate-qualified commercial ice machines, visit **caenergywise.com/rebates**.

Rebate Code	Description	Rebate/Unit Measure
FS014	**Commercial Ice Machine** SCU < 110 lbs/day	**$50/unit**
FS015	**Commercial Ice Machine** SCU 110–200 lbs/day	**$75/unit**
FS016	**Commercial Ice Machine** SCU > 200 lbs/day	**$100/unit**
FS017	**Commercial Ice Machine** IMH < 300 lbs/day	**$75/unit**
FS018	**Commercial Ice Machine** IMH 300–800 lbs/day	**$125/unit**
FS019	**Commercial Ice Machine** IMH 801–1,500 lbs/day	**$200/unit**
FS020	**Commercial Ice Machine** IMH > 1,500 lbs/day	**$300/unit**
FS021	**Commercial Ice Machine** RCU < 988 lbs/day	**$200/unit**
FS022	**Commercial Ice Machine** RCU ≥ 988 lbs/day	**$300/unit**

Heating, Ventilation and Air Conditioning Rebates

Depending on climate and other factors, heating, ventilation and air-conditioning (HVAC) equipment consumes roughly 40 to 50 percent of a commercial building's total energy usage. Air leakage, heating and cooling systems that respond poorly to an ever-changing climate, and old or inefficient HVAC equipment can lead to poor system performance, higher monthly utility bills and can negatively impact the environment.

Commercial buildings with HVAC systems are at the heart of this effort. With HVAC upgrades, buildings can reduce the total amount of energy used, lowering operating expenses and monthly utility bills while improving the health and comfort of employees and customers. After an HVAC system upgrade, businesses can become more environmentally sustainable and meet energy-efficiency requirements.

Once a business or organization upgrades its HVAC system, it's important to provide periodic maintenance to protect the investment. Regular maintenance ensures the efficiency of mechanical systems and maximizes the life of equipment by providing coil cleaning, filter changes and factory-recommended tasks. To find out about PG&E's HVAC Optimization Program, visit **pge.com/hvacoptimization**.

Looking to reduce the upfront costs of your upgrade? PG&E offers 0% interest On Bill Financing for qualified projects. To learn more, visit **pge.com/obf**.

Commercial Ventilation

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.

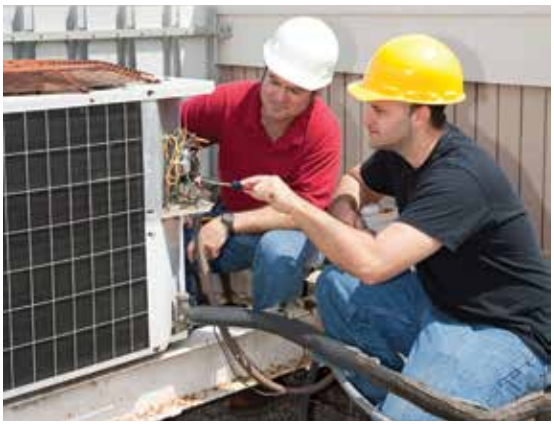
Exclusions:

- 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).
- 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)

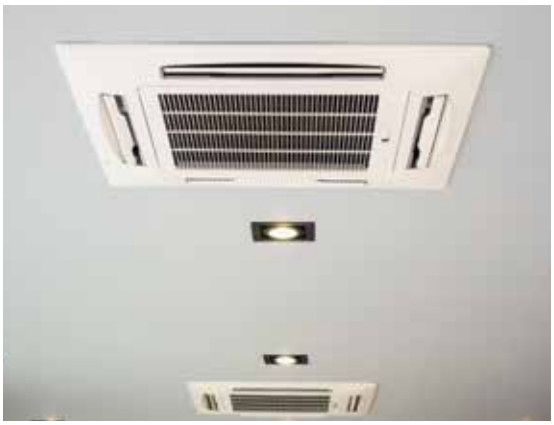
Measure	Packaged HVAC Unit Type	Eligible Building Types
HV294	**Gas Pack**	Assembly, community colleges, primary schools, relocatable classrooms, secondary schools, universities, grocery, hospitals, hotels, motels, manufacturing (biotech and light industrial), nursing homes, large and small offices, restaurants (fast-food and sit-down), retail (single/multistory large, small), conditioned storage, refrigerated warehouses
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
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
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_2 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_2 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_2 sensor system, or $600 for CO_2 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).
- 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_2 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).
- Installation address must have a commercial electric account with PG&E.

Exclusions:

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

continued

The two tables below explain available rebates for enhanced ventilation control for packaged HVAC unit upgrades. The measures in the second table include high efficiency fan motor options in combination with ventilation controls.

		Advanced Digital Economizer Controller	Demand Controlled Ventilation		Enhanced Ventilation Control		Demand Ventilation Control + Enhanced Ventilation Control (no existing ADEC)
	Packaged HVAC Unit Type	+ADEC only	+CO_2 sensor to existing ADEC	+ADEC + CO_2 sensor	+VFD to existing ADEC	+ADEC + VFD	+ADEC + CO_2 sensor + VFD
Rebate Code	Gas Pack	HV294	HV027	HV026	HV054	HV063	SA07
	Heat Pump Unit	HV296	HV031	HV030	HV060	HV069	SA10
	Air Conditioning Only Unit	HV295	HV029	HV028	HV057	HV066	
	Variable Air Volume (VAV) Unit	HV297	No rebate available				
	Rebate/Unit Measure	**$10/ton (max $150)**	**$40/ton (max $600)**	**$100/ton (max $1,500)**	**$80/ton (max $1,200)**	**$130/ton (max $1,950)**	**$155/ton (max $3,875)**

Measure Options that include High Efficiency Supply Fan Motors

		Enhanced Ventilation Control (existing ADEC)		Enhanced Ventilation Control (no existing ADEC)		Demand Ventilation Control + Enhanced Ventilation Control (no existing ADEC)	
	Packaged HVAC Unit Type	VFD + NEMA	VFD + PMM	ADEC + VFD + NEMA	VADEC + VFD + PMM	ADEC + CO_2 sensor + VFD + NEMA	ADEC + CO_2 sensor + VFD + PMM
Rebate Code	Gas Pack	HV055	HV056	HV064	HV065	SA08	SA09
	Heat Pump Unit	HV061	HV062	HV070	HV071	SA11	SA12
	Air Conditioning Only Unit	HV058	HV059	HV067	HV068		
	Variable Air Volume (VAV) Unit	No rebate available					
	Rebate/Unit Measure	**$120/ton (max $1,800)**	**$130/ton (max $1,950)**	**$180/ton (max $2,700)**	**$180/ton (max $2,700)**	**$190/ton (max $4,750)**	**$194/ton (max $4,850)**

NEMA = NEMA Premium rated motor
PMM = Permanent magnet motor

Lighting Rebates

Valid until August 11, 2019

The advantages of light-emitting diode (LED) technologies

Light-emitting diode technologies use less energy and operate at lower temperatures, which helps reduce cooling costs. They also last much longer and require less maintenance. Best of all, these advanced technologies offer you all these benefits while providing equal- or better-quality light.

Additional benefits and technological advantages of LEDs:

- LEDs convert energy to light more efficiently than other sources, and when combined with improvements in fixture design, can lead to improved fixture efficiency as well.
- LEDs turn on at full brightness almost instantly with no strike delay, even when cold, making LEDs the superior option for cold locations, such as walk-in refrigerators, cold storage facilities and outdoor areas like parking lots.
- LEDs are resistant to breakage and heavy vibrations because they do not have filaments or glass bulbs.
- LEDs are mercury-free and have fewer environmental toxins that some other lighting technologies.
- Quality LEDs can be dimmed and when you add compatible lighting controls, it's possible to eliminate overlighting and greatly enhance savings.

Rebates to help you save energy with LED lighting

PG&E offers many rebates to help you leverage the advantages of LED lighting. In addition to reviewing the specific requirements for each lighting rebate, and to ensure rebate eligibility, please note the following requirements before you begin:

- All components must be installed and operational before a rebate application is submitted.
- All new lighting fixtures, retrofit kits and components must carry the appropriate designated safety certification label—including, but not limited to, Underwriters Laboratories (UL), Electrical Testing Laboratory (ETL) or TUV Rheinland (TUV).
- Installations must be installed in accordance with all applicable local, state and national codes and ordinances.
- Installation of new fixtures must result in a net decrease of installed wattage per space.
- Customer or trade professional must submit a product specification sheet, a screen shot from the DesignLights Consortium (DLC) Qualified Products List (QPL), showing product details and the "reported data" tab, or "rated data" if reported data is not available, and an itemized invoice with the application. All other PG&E business rebate application conditions apply.
- If building type eligibility is not listed, all building types are eligible. Additional requirements may apply.
- To qualify for energy-savings rebates, you must have a non-residential electric account with PG&E at the installation address.

Lighting

LED Ambient Commercial Fixtures and Retrofit Kits

Requirements:

- Applications received must include products in the below qualifying categories and must be listed as DesignLights Consortium (DLC)-premium classification to qualify for this rebate.
- Only LED troffer fixtures or integrated troffer retrofit kits on the list of prequalified LED fixtures, in the following DLC product categories, qualify for this rebate:
  - Troffer, 2x2 Luminaires for Ambient Lighting of Interior Commercial Spaces (indoor luminaires)
  - Troffer, 1x4 Luminaires for Ambient Lighting of Interior Commercial Spaces (indoor luminaires)
  - Troffer, 2x4 Luminaires for Ambient Lighting of Interior Commercial Spaces (indoor luminaires)
  - Troffer, 2x2 Luminaires for Integrated Retrofit Kits (indoor retrofit kit)
  - Troffer, 1x4 Luminaires for Integrated Retrofit Kits (indoor retrofit kit)
  - Troffer, 2x4 Luminaires for Integrated Retrofit Kits (indoor retrofit kit)
- DLC-listed initial light output must be greater than or equal to 2,200 lumens (lm) and less than or equal to 6,500 lm to qualify for this rebate.

continued

Exclusions:

- Other fixture configurations, including LED troffer linear retrofit kits, linear ambient luminaires (direct/indirect) or external driver lamp-style retrofit kits (Underwriters Laboratories, Type C), do not qualify for this rebate. These configurations will be considered under the Customized Retrofit Program.
- Exterior or high/low-bay installations of these products do not qualify for this rebate.
- Products in the above listed categories categories—less than 2,200 lm or greater than 6,500 lm—do not qualify for this rebate and will be considered under the Customized Retrofit Program.

Additional details:

- Customer selects the measure code based on the efficacy in lumens per watt (LPW) of the replacement fixture.
- LED Troffer and Integrated Troffer Retrofit rebates are offered on a per kilolumen (KLM)—1,000 lumens—basis, rather than a per fixture basis. The rebate increases as the efficacy (LPW) of the fixture or kit increases.
- Efficacy is defined by LPW, or how much light is produced by one watt of energy consumed.
- A lumen is the unit of light output: kilolumen = 1,000 lumens.

2x4 LED New Luminaire for Ambient Interior Commercial Spaces

Rebate Code	Description	Rebate/Unit Measure
LT148	≥ 125 LPW and < 140 LPW	$5/kilolumen (max $22.50/fixture)
LT149	≥ 140 LPW	$6/kilolumen (max $27/fixture)

2x2 LED New Luminaire for Ambient Interior Commercial Spaces

Rebate Code	Description	Rebate/Unit Measure
LT150	≥ 125 LPW and < 140 LPW	$4.25/kilolumen (max $19.13/fixture)
LT151	≥ 140 LPW	$6/kilolumen (max $27/fixture)

1x4 LED New Luminaire for Ambient Interior Commercial Spaces

Rebate Code	Description	Rebate/Unit Measure
LT152	≥ 125 LPW and < 140 LPW	$5/kilolumen (max $22.50 /fixture)
LT153	≥ 140 LPW	$6/kilolumen (max $27/fixture)

continued

2x4 LED Integrated Retrofit Kit for Ambient Interior Commercial Spaces

Rebate Code	Description	Rebate/Unit Measure
LT154	≥ 125 LPW and < 140 LPW	$5/kilolumen (max $22.50/fixture)
LT155	≥ 140 LPW	$6/kilolumen (max $27/fixture)

2x2 LED Integrated Retrofit Kit for Ambient Interior Commercial Spaces

Rebate Code	Description	Rebate/Unit Measure
LT156	≥ 125 LPW and < 140 LPW	$4.25/kilolumen (max $19.13/fixture)
LT157	≥ 140 LPW	$6/kilolumen (max $27/fixture)

1x4 LED Integrated Retrofit Kit for Ambient Interior Commercial Spaces

Rebate Code	Description	Rebate/Unit Measure
LT158	≥ 125 LPW and < 140 LPW	$5/kilolumen (max $22.50/fixture)
LT159	≥ 140 LPW	$6/kilolumen (max $27/fixture)

All LED Troffer and Integrated Troffer Retrofit Kit rebates are capped at 4.5 kilolumens per fixture

Interior LED High-Bay and Low-Bay Lighting

Requirements:

- Only interior installations of LED fixtures or retrofit kits on the list of prequalified LED fixtures, in the following DesignLights Consortium (DLC) product categories, qualify for this rebate:
  - High-Bay Luminaires (fixtures and retrofit kits)
  - Low-Bay Luminaires (fixtures and retrofit kits)
  - High-Bay Aisle Luminaires (fixtures)
- Customer selects the measure code based on the wattage and efficacy of the new fixture.

Exclusions:

- Self-ballasted, screw-based or pin-based lamps and LED tube-style lamps do not qualify.
- Products not listed in the high-bay or low-bay categories above, including LED troffers, troffer retrofit kits, linear LED retrofit kits, lamp style retrofit kits, linear ambient luminaires or any lighting products classified in the outdoor/exterior categories, do not qualify for this rebate.
- Horticultural installations do not qualify for this rebate.
- Exterior installations do not qualify for this rebate.

Additional details:

- Measure codes and rebates are defined by and set according to efficacy and wattage and grouped as follows:
  - Tier 1 measures: Products must meet or exceed DLC Standard classification
  - Tier 2 measures: Products must meet or exceed DLC Premium classification

Tier 1: Meets or exceeds DLC Standard Classification

Rebate Code	Wattage Range	Minimum Efficacy Requirements	Rebate/Unit Measure
LT376	0 to < 48 watt	≥ 110 LPW	$12/fixture
LT377	48 to < 71 watt	≥ 110 LPW	$15/fixture
LT378	71 to < 90 watt	≥ 110 LPW	$18/fixture
LT379	90 to < 125 watt	≥ 120 LPW	$21/fixture
LT380	125 to < 153 watt	≥ 120 LPW	$24/fixture
LT381	153 to < 187 watt	≥ 125 LPW	$27/fixture
LT382	187 to < 21 watt	≥ 125 LPW	$30/fixture
LT383	212 to < 246 watt	≥ 125 LPW	$33/fixture
LT384	246 to < 283 watt	≥ 125 LPW	$36/fixture

continued

Tier 2: Meets or exceeds DLC Premium Classification

Rebate Code	Wattage Range	Minimum Efficacy Requirements	Rebate/Unit Measure
LT385	0 to < 42 watt	≥ 130 LPW	$20/fixture
LT386	42 to < 60 watt	≥ 130 LPW	$25/fixture
LT387	60 to < 82 watt	≥ 130 LPW	$30/fixture
LT388	82 to < 113 watt	≥ 130 LPW	$35/fixture
LT389	113 to < 140 watt	≥ 130 LPW	$40/fixture
LT390	140 to < 174 watt	≥ 135 LPW	$45/fixture
LT391	174 to < 194 watt	≥ 135 LPW	$50/fixture
LT392	194 to < 227 watt	≥ 135 LPW	$55/fixture
LT393	227 to < 262 watt	≥ 135 LPW	$60/fixture

LED Outdoor Area Lighting

Requirements:

- Applications received must include products in the below qualifying categories and must be listed as DesignLights Consortium (DLC)-premium classification to qualify for this rebate.
- Only LED fixtures or retrofit kits on the list of prequalified LED fixtures, in the following DLC product categories, qualify for this rebate:
  - Outdoor Pole/Arm-mounted Area and Roadway Luminaires (fixtures and retrofit kits)
  - Large Outdoor Pole/Arm-mounted Area and Roadway Luminaires (retrofit kits)
  - Outdoor Pole/Arm-mounted Decorative Luminaires (fixtures and retrofit kits)
  - Parking Garage Luminaires (fixtures and retrofit kits)
  - Outdoor Non/Semi/Full-cutoff Wall-mounted Area Luminaires (fixtures)
  - Outdoor Full-cutoff Wall-mounted Area Luminaires (retrofit kits)
  - Fuel Pump Canopy Luminaires (fixtures and retrofit kits)

Exclusions:

- Self-ballasted, screw-based or pin-based lamps do not qualify.
- Architectural Flood and Spot Luminaires, Landscape/Accent Flood and Spot Luminaires, and Bollards do not qualify.
- Street lighting applications for Pole/Arm-mounted Area and Roadway luminaires do not qualify for these rebates. Please check with PG&E's Government and Community Partnership team for LED street light rebates.
- Interior installations do not qualify for this rebate.

LED Outdoor Pole/Arm-mounted Area, Roadway and Decorative Lighting

Rebate Code	Description	Rebate/Unit Measure
LT304	Install > 390–571 watt LED fixture	$70/fixture
LT303	Install > 235–390 watt LED fixture	$65/fixture
LT302	Install > 146–235 watt LED fixture	$60/fixture
LT301	Install > 107–146 watt LED fixture	$55/fixture
LT300	Install > 90–107 watt LED fixture	$45/fixture
LT299	Install > 68–90 watt LED fixture	$40/fixture
LT298	Install > 45–68 watt LED fixture	$35/fixture
LT297	Install > 29–45 watt LED fixture	$30/fixture
LT296	Install 0–29 watt LED fixture	$25/fixture

LED Outdoor Parking Garage Lighting

Rebate Code	Description	Rebate/Unit Measure
LT308	Install > 88-113 watt LED fixture	$30/fixture
LT307	Install > 56-88 watt LED fixture	$25/fixture
LT306	Install > 38-56 watt LED fixture	$20/fixture
LT305	Install 0–38 watt LED fixture	$15/fixture

LED Outdoor Wall-mounted Area Lighting

Rebate Code	Description	Rebate/Unit Measure
LT317	Install > 337–493 watt LED fixture	$105/fixture
LT316	Install > 203–337 watt LED fixture	$90/fixture
LT315	Install > 126–203 watt LED fixture	$70/fixture
LT314	Install > 97–126 watt LED fixture	$60/fixture
LT313	Install > 78–97 watt LED fixture	$45/fixture
LT312	Install > 58–78 watt LED fixture	$40/fixture
LT311	Install > 39–58 watt LED fixture	$35/fixture
LT310	Install > 25–39 watt LED fixture	$30/fixture
LT309	Install 0–25 watt LED fixture	$25/fixture

LED Outdoor Fuel Pump Canopy Lighting

Rebate Code	Description	Rebate/Unit Measure
LT324	Install > 99–153 watt LED fixture	$45/fixture
LT323	Install > 73–99 watt LED fixture	$40/fixture
LT322	Install > 59–73 watt LED fixture	$35/fixture
LT321	Install > 46–59 watt LED fixture	$30/fixture
LT320	Install > 29–46 watt LED fixture	$25/fixture
LT319	Install > 19–29 watt LED fixture	$20/fixture
LT318	Install 0–19 watt LED fixture	$15/fixture

Refrigeration Rebates

Ultra-Low Temperature (ULT) Freezers

Requirements:

- Freezer must have ENERGY STAR® label.
- Doors must be mounted on vertical hinges.
- Volume must be between 15 and 29 cubic feet (0.425–0.821 cubic meters).
- Freezer must be capable of maintaining temperatures down to –80 °C.
- Installation address must have a commercial electric account with PG&E.

Rebate Code	Description	Rebate/Unit Measure
RF006	**High Efficiency Ultra-Low Temperature (–80 °C) Freezer 15 to < 24 ft^3**	**$300**
RF007	**High Efficiency Ultra-Low Temperature (–80 °C) Freezer 24 to 29 ft^3**	**$600**

Anti-Sweat Heater (ASH) Controls

Requirements:

- Display cases must be equipped with humidity-sensing controls that reduce the amount of power supplied to the heaters.
- Controls must sense the relative humidity in the air surrounding the display case and reduce or turn off the anti-sweat heaters of the glass door (if applicable) and door frame during periods of low humidity.
- Equivalent technologies that reduce or turn off anti-sweat heaters, depending on the level of condensation on the inner glass pane, may qualify.
- Rebate amount is based on the horizontal linear footage of the display case (for example, the width of the display case).
- Installation address must have a commercial electric account with PG&E.

Exclusions:

This rebate cannot be used in conjunction with rebates for new display cases with doors (rebate codes R4 and R5).

Rebate Code	Description	Rebate/Unit Measure
R7	**Anti-Sweat Heater (ASH) Controls** (Medium Temperature)	**$25/linear ft.**
HB31	**Anti-Sweat Heater (ASH) Controls** (Low Temperature)	**$25/linear ft.**

Efficient Evaporator Fan Motors

Requirements:

- Electronically commutated motors (ECM) must be installed in refrigerated display cases.
- Fan motor must replace standard efficiency shaded-pole or permanent split capacitor evaporator fan motor.
- Installation address must have a commercial electric account with PG&E.

Exclusions:

- Motors in display cases built after 2011 are not eligible.
- May not be used in conjunction with PG&E rebates for new display cases.

Rebate Code	Description	Rebate/Unit Measure
R145	**Efficient ECM Evaporator Fan Motor** Medium-Temperature Display Case	**$35/motor**
R176	**Efficient ECM Evaporator Fan Motor** Low-Temperature Display Case	**$50/motor**

New High-Efficiency Refrigeration Display Cases with Special Doors (Low Temperature)

Requirements:

- Display cases must replace less efficient reach-in unit and have new remote or self-contained, high-efficiency, reach-in case.
- New display cases must include:
  - T8 lamps with electronic ballasts or LEDs
  - Electronically commutated motors
  - Low or no anti-sweat glass, double-paned doors
- Display cases must replace low temperature, self-contained remote cases (see definitions).
- Display cases must be equal to or shorter than original case.
- Rebate is based on the linear footage of new display case.
- Rebate applies following building types: assembly, sit-down restaurants, grocery and retail.
- Installation address must have a commercial electric account with PG&E.

Exclusions:

- Rebate cannot be used in conjunction with the *Anti-Sweat Heater (ASH) Controls* rebate.
- Deli cases, custom coolers/freezers and walk-in boxes with reach-in doors do not qualify for this rebate.
- Display case replacements that are part of large-scale store remodels and any new construction projects are not eligible. Large-scale remodels are projects involving 50 percent of the linear feet of refrigerated casework or 32 linear feet of casework replacements, whichever is less.

Rebate Code	Description	Rebate/Unit Measure
R87	**New High-Efficiency Refrigeration Display Cases with Special Doors** Low Temperature	**$75/linear ft.**

New Display Cases to Replace Open Multi-Deck Refrigerated Displays (Low and Medium Temperature)

Requirements:

- Replace an open multi-deck display case without doors with a new case that includes doors.
- New display cases must include:
  - T8 lamps with electronic ballasts or LEDs
  - Electronically commutated motors
  - Double-pane doors with heat-reflective treatment or gas fill
- New cases must be equal to or shorter than original case
- Rebate can be for self-contained or remote cases.
- Rebate is based on the horizontal linear footage of the new display case.
- Rebate applies to grocery stores only.
- Installation address must have a commercial electric account with PG&E.
- Refer to definition section for additional clarification.

Exclusions:

- Deli cases, custom coolers/freezers and walk-in boxes with reach-in doors do not qualify for this rebate.
- Display case replacements that are part of large-scale store remodels, and any new construction projects, are not eligible. Large-scale remodels are projects involving 50 percent of the linear feet of refrigerated casework or 32 linear feet of casework replacements, whichever is less.

Rebate Code	Description	Rebate/Unit Measure
R4	**New Display Cases to Replace Open Multi-Deck Refrigerated Displays** Low Temperature	**$175/linear ft.**
R5	**New Display Cases to Replace Open Multi-Deck Refrigerated Displays** Medium Temperature	**$75/linear ft.**

Insulation, Water Heating and Laundry Equipment Rebates

Insulation

Pipe Insulation

Requirements:

- Minimum-qualifying pipe diameter is 0.5 inch.
- Pipe must transfer fluid directly from gas-fired equipment, and insulation materials/accessories must be installed according to manufacturer's instructions.
- Application must include the manufacturer's name, insulation material type and material K-value rating.
  - Acceptable types of insulation for hot water pipes include: elastomeric foam rubber, polyethylene foam, UV-resistant polyethylene foam and rigid polyurethane foam.
  - Acceptable types of insulation for steam pipes include silicone foam rubber, melamine foam, rigid urethane-based foam, cellular glass, rigid fiberglass and rigid mineral wool.

Exclusions:

- These measures are applicable to any small, large commercial and industrial pipe insulation retrofit (i.e., non-new construction) application. They cannot be used for residential purposes.
- Replacement of damaged or existing insulation is not eligible for a rebate.
- California Building Standards Code (Title 24), Section 123, establishes requirements for pipe insulation in the design and installation of space-conditioning and service water heating systems and equipment. Any pipe requiring insulation according to these standards does not qualify for a rebate. Details are available at **energy.ca.gov/title24**.
- Pipe insulation for exposed steam and hot-water pipes within 7 feet of the floor that are not otherwise guarded in order to prevent contact does not qualify for rebate. Occupational Safety and Health Administration (OSHA) standards require that exposed, heated surfaces be covered to prevent injury.

Additional details:

Project cost can include installation and material cost.

continued

Pipe diameter is less than or equal to 1 inch

Rebate Code	Description	Rebate/Unit Measure
PR051	1 inch insulation layer, ≤ 1 inch pipe, ≤ 15 psig steam, outdoor	$3/linear ft.
PR052	1 inch insulation layer, ≤ 1 inch pipe, > 15 psig steam, outdoor	$3/linear ft.
PR053	1 inch insulation layer, ≤ 1 inch pipe, hot water, outdoor	$3/linear ft.
PR060	1 inch insulation layer, ≤ 1 inch pipe, ≤ 15 psig steam, indoor	$3/linear ft.
PR061	1 inch insulation layer, ≤ 1 inch pipe, > 15 psig steam, indoor	$3/linear ft.
PR062	1 inch insulation layer, ≤ 1 inch pipe, hot water, indoor	$3/linear ft.
PR069	Fitting insulation ≤ 1 inch pipe, ≤ 15 psig steam, indoor	$3/fitting
PR070	Fitting insulation ≤ 1 inch pipe, > 15 psig steam, indoor	$3/fitting
PR071	Fitting insulation ≤ 1 inch pipe, hot water, indoor	$3/fitting
PR078	Fitting insulation, ≤ 1 inch pipe, ≤ 15 psig steam, outdoor	$3/fitting
PR079	Fitting insulation, ≤ 1 inch pipe, > 15 psig steam, outdoor	$3/fitting
PR080	Fitting insulation, ≤ 1 inch pipe, hot water, outdoor	$3/fitting

Pipe diameter larger than 1 inch and less than or equal to 4 inches

Rebate Code	Description	Rebate/Unit Measure
PR057	1 inch insulation layer, 1 inch < pipe ≤ 4 inch, 15 psig steam, outdoor	$3/linear ft.
PR058	1 inch insulation layer, 1 inch < pipe ≤ 4 inch, > 15 psig steam, outdoor	$3/linear ft.
PR059	1 inch insulation layer, 1 inch < pipe ≤ 4 inch, hot water, outdoor	$3/linear ft.
PR066	1 inch insulation layer, 1 inch < pipe ≤ 4 inch, ≤ 15 psig steam, indoor	$3/linear ft.
PR067	1 inch insulation layer, 1 inch < pipe ≤ 4 inch, > 15 psig steam, indoor	$3/linear ft.
PR068	1 inch insulation layer, 1 inch < pipe ≤ 4 inch, hot water, indoor	$3/linear ft.
PR075	Fitting insulation 1 inch < pipe ≤ 4 inch, ≤ 15 psig steam, indoor	$3/fitting
PR076	Fitting insulation 1 inch < pipe ≤ 4 inch, > 15 psig steam, indoor	$3/fitting
PR077	Fitting insulation 1 inch < pipe ≤ 4 inch, hot water, indoor	$3/fitting
PR084	Fitting insulation, 1 inch < pipe ≤ 4 inch, ≤ 15 psig steam, outdoor	$3/fitting
PR085	Fitting insulation, 1 inch < pipe ≤ 4 inch, > 15 psig steam, outdoor	$3/fitting
PR086	Fitting insulation, 1 inch < pipe ≤ 4 inch, hot water, outdoor	$3/fitting

Pipe diameter is greater than 4 inches

Rebate Code	Description	Rebate/Unit Measure
PR054	1 inch insulation layer, > 4 inch pipe, ≤ 15 psig steam, outdoor	$3/linear ft.
PR055	1 inch insulation layer, > 4 inch pipe, > 15 psig steam, outdoor	$3/linear ft.
PR056	1 inch insulation layer, > 4 inch pipe, hot water, outdoor	$3/linear ft.
PR063	1 inch insulation layer, > 4 inch pipe, ≤ 15 psig steam, indoor	$3/linear ft.
PR064	1 inch insulation layer, > 4 inch pipe, > 15 psig steam, indoor	$3/linear ft.
PR065	1 inch insulation layer, > 4 inch pipe, hot water, indoor	$3/linear ft.
PR072	Fitting insulation > 4 inch pipe, ≤ 15 psig steam, indoor	$3/fitting
PR073	Fitting insulation > 4 inch pipe, > 15 psig steam, indoor	$3/fitting
PR074	Fitting insulation > 4 inch pipe, hot water, indoor	$3/fitting
PR081	Fitting insulation, > 4 inch pipe, ≤ 15 psig steam, outdoor	$3/fitting
PR082	Fitting insulation, > 4 inch pipe, > 15 psig steam, outdoor	$3/fitting
PR083	Fitting insulation, > 4 inch pipe, hot water, outdoor	$3/fitting

Laundry Equipment

Ozone Laundry System

Requirements:

- Customer must have a natural gas-fired boiler or natural gas water heater that supplies hot water to the on-premise laundry equipment.
- Rebate only applies to the following types of facilities with on-premise laundry operations:
  - Hotels
  - Gymnasiums
  - Skilled Nursing Facilities
  - Correctional Institutions
- Ozone laundry system must be a new, purchased product and must be added onto a new or existing commercial washing machine.
- Ozone laundry system must transfer ozone into the water through Venturi Injection or bubble diffusion.
- Installation address must have a commercial natural gas account with PG&E.

Exclusions:

- Tunnel washers do not qualify.
- Replacements of existing ozone laundry systems, whether they are functioning or not, do not qualify.

Applications must include:

- Ozone laundry system invoice must show total number of hotel guest rooms (only needed for hotel applications; not needed for other building types).
- Manufacturer's specification sheet must document the manufacturer's name, the equipment model and the ozone laundry system's serial number.
- Customer must provide clothes washer capacity in pounds for operating units with ozone laundry systems.

Rebate Code	Description	Rebate/Unit Measure
B85	**Ozone Laundry System**	**$39/lb washing machine capacity that is connected to the ozone laundry system**

Modulating Gas Valve for Commercial Dryers

This valve replaces the original equipment manufacturer's (OEM) gas valve in natural gas dryers. A modulating valve provides two stages: high- and low-fire rates, which are controlled in real time by a program and a temperature sensor.

Requirements:

- Natural gas dryers must not be modified by any technology that would reduce the natural gas consumption beyond the manufacturer's specifications.
- Dryers eligible for this measure must have an accessible gas valve assembly and room to install the modulating device in the unit and on the unit's exhaust.
- Dryers must have a drum capacity ranging from 20 to 200 pounds.
- Installation address must have a commercial natural gas account with PG&E.

Exclusions:

- Dryers with drum capacities of less than 20 pounds or more than 200 pounds do not qualify.
- Dryers must not use a common or dedicated steam system.

Additional details:

Professionally trained and qualified installers should install this product to ensure the proper removal and reattachment of the inlet natural gas line during installation.

Rebate Code	Description	Rebate/Unit Measure
AP067	Modulating Gas Valve for On-Site Natural Gas Commercial Dryers	$350/unit

Pool Heating

Commercial Pool and Spa Heaters

Requirements:

- Heater must replace existing commercial pool heater.
- Heater must be certified to meet the following requirements:
  - Must be equal to or greater than 84 percent thermal efficiency
  - Must have an on/off switch and have no pilot light
- For a list of qualifying products, visit cacertappliances.energy.ca.gov and select the "Pool Products" category.
- Installation address must have a commercial natural gas account with PG&E.

Product must meet all of the requirements.

Rebate Code	Description	Rebate/Unit Measure
H103	Commercial Pool and Spa Heater	$2/MBtuh

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. For a full glossary of terms, please visit pge.com/glossary.

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.
- Sign up for automated benchmarking service at 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.
- 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 and 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.
- Check out PG&E's third-party programs at 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 heavy industry to hospitality to dairies to 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.
- Go to the Agriculture and Food Processing section of PG&E's website at 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).
- 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.

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.

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