

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

New Construction Catalog

Saving energy for a brighter future



Together, Building
a Better California

Table of Contents

Savings By Design	1
Whole Building Approach	1
Systems Approach	2
Calculated Incentives	3
LED Troffers and Integrated Troffer Retrofit Kits	4
Interior LED High-Bay and Low-Bay Lighting	7
LED Outdoor Area Lighting	9
LED Accent, Surface, Pendant, Track and Recessed Downlight Fixtures	11

Savings By Design

Savings By Design, a program administered by California’s utilities, encourages high-performance, nonresidential building design and construction, and offers a variety of solutions to building owners and design teams. Savings By Design participants can save money by reducing operating costs, increasing comfort, health and productivity for building occupants, while conserving natural resources.

Within Savings By Design, two performance-based design approaches—the Whole Building Approach and the Systems Approach—are available to identify and quantify energy-efficient design improvements.

For more details on the incentive structure for each approach, visit pge.com/savingsbydesign.

Whole Building Approach

The Whole Building Approach requires the use of a comprehensive, energy simulation tool capable of providing hourly calculations of multiple thermal zones. The tool must be capable of modeling California Building Standards Code (Title 24) requirements, as well as the requirements of the proposed design. In order to qualify for the Whole Building Approach, building design must beat current Title 24 standards by 10 percent or greater.

Under the Whole Building Approach, owners and their design teams are eligible for an incentive.

Incentive structure

Owner incentive: \$150/peak kilowatt (kW), plus \$1.00/therm, plus \$0.10 to 0.40 cents/kilowatt-hour (kWh) depending on the percent better than Title 24 (for example, \$0.10/kWh at 10 percent, \$0.20/kWh at 20 percent, up to \$0.40/kWh at 40-plus percent above code)

Design team incentive (such as, architect, contractor): Equal to 1/3 of the owner incentive and is available in addition to the owner incentive

Incentive cap: \$150,000 for owner incentive; \$50,000 for design team incentive

Consider the Whole Building Approach if:

You are constructing a brand new building,

OR

You are performing a gut rehab on an existing building and are materially affecting the envelope, lighting and mechanical systems,

AND

You are in schematic design or earlier in the design process.

continued



Systems Approach

The Systems Approach encourages designers to optimize the energy efficiency of the systems within a building. The Systems Approach is most appropriate for less complex projects, those whose systems are designed at different times or for projects where consideration for energy efficiency occurs late in the design phase.

Incentive structure

Owner incentive: \$150/peak kW, plus \$1.00/therm, plus \$0.08/kWh for lighting and \$0.15/kWh for HVAC

Design team incentive not available

Incentive cap: \$150,000 for owner incentive

Consider the Systems Approach if:

You are in schematic design or earlier in the design process,

AND

You are constructing a brand new building,

OR

You are performing a gut rehab on an existing building and are materially affecting the envelope, lighting and mechanical systems.

continued

Calculated Incentives

The Calculated Incentives offering supplements the Savings by Design program. This program provides financial incentives for the installation of high-efficiency equipment and energy savings systems that are otherwise ineligible for a PG&E rebate. You will need to prequalify with us before you begin the purchase and installation of equipment.

The Calculated Incentives offering may serve new load and new construction measures in which equipment is installed to serve new customer loads. Newly constructed process loads generally fall under Calculated Incentives.

Consider Calculated Incentives if:

You would like to install a product not offered under PG&E's usual rebates,

AND

You have not yet initiated construction,

AND

Your project does not qualify for either Savings By Design—Whole Building or Savings By Design—systems,

OR

You are adding equipment to an existing building,

OR

Your construction is not governed by an energy code, such as California Building Standards Code (Title 24) or otherwise.

For more details, visit pge.com/customized.





Lighting

LED Troffers and Integrated Troffer 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, available at pge.com/ledqpl, 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—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.

How to calculate a rebate:

Use the rebate calculator available at pge.com/ledqpl to help determine your total rebate amount.

1. Search for your product using model number, product manufacturer and/or product brand. Alternatively, use the filters for rebate category, product category and/or product metrics to narrow down results and see many options.
2. Once the desired product is found, click on the measure code in the Rebate Information box to be taken to the Rebate Calculator.
3. Enter in the total number of fixtures of a given product that you wish to purchase, and the calculator will calculate the total rebate amount. Enter product and rebate information into the rebate application, as shown.

continued

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)

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, available at pge.com/ledqpl, 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:

- **Effective June 1, 2018:** PG&E measure codes and corresponding rebates for LED High-Bay and Low-Bay Lighting are divided into two different tiers based on DLC classification and efficacy.
- Measures LT376–LT393 and rebate levels are available starting June 1, 2018 through December 31, 2018.
- **Please note:** Measure codes LD101–LD 113 expired on May 31, 2018. Any rebate applications that include those measure codes will be rejected.
- 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

continued

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 < 212 watt	≥ 125 LPW	\$30/fixture
LT383	212 to < 246 watt	≥ 125 LPW	\$33/fixture
LT384	246 to < 283 watt	≥ 125 LPW	\$36/fixture

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 available at pge.com/ledqpl, 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.

continued

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

LED Accent, Surface, Pendant, Track and Recessed Downlight Fixtures

Requirements:

- Only fully integrated LED fixtures or retrofit kits on the list of prequalified LED fixtures, available at pge.com/ledqpl, in the following categories, qualify for this rebate:
 - Track or Mono-Point Directional Luminaires, DesignLights Consortium (DLC)
 - Downlights: Recessed, Surface, Pendant or Retrofits (ENERGY STAR®)
 - Accent Light (ENERGY STAR)
 - Wall Sconce (ENERGY STAR)
- LEDs must meet a minimum luminaire efficacy of 35 lumens per watt (LPW).
- Customers are responsible for verifying that new fixtures work with existing lighting controls.
- Downlights intended for installation in insulated ceilings must meet California Energy Commission (CEC) Title 20 requirements.

Exclusions:

Screw-in or pin-based LED lamps are not eligible for these rebates. Visit a participating distributor to receive instant rebates on screw-in LED replacement lamps.

LED Accent and Directional Lighting Fixtures

Rebate Code	Description	Rebate/Unit Measure
LD146	≥ 25 watt LED fixture	\$15.50/fixture
LD145	24 to < 25 watt LED fixture	\$15.50/fixture
LD144	23 to < 24 watt LED fixture	\$15.50/fixture
LD143	22 to < 23 watt LED fixture	\$15.50/fixture
LD142	21 to < 22 watt LED fixture	\$15.50/fixture
LD141	20 to < 21 watt LED fixture	\$15.50/fixture
LD140	19 to < 20 watt LED fixture	\$15.50/fixture
LD139	18 to < 19 watt LED fixture	\$15.50/fixture
LD138	17 to < 18 watt LED fixture	\$13/fixture
LD137	16 to < 17 watt LED fixture	\$13/fixture
LD136	15 to < 16 watt LED fixture	\$13/fixture
LD135	14 to < 15 watt LED fixture	\$13/fixture
LD134	13 to < 14 watt LED fixture	\$13/fixture
LD133	12 to < 13 watt LED fixture	\$13/fixture
LD132	11 to < 12 watt LED fixture	\$11/fixture
LD131	10 to < 11 watt LED fixture	\$11/fixture
LD130	9 to < 10 watt LED fixture	\$11/fixture
LD129	8 to < 9 watt LED fixture	\$8/fixture
LD128	7 to < 8 watt LED fixture	\$8/fixture
LD127	< 7 watt LED fixture	\$8/fixture

Definitions

Air Conditioning, Heating and Refrigeration Institute (AHRI): This organization offers product information and testing procedures. For more information, visit 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.

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.

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.

CO₂ Sensor: This device measures the parts per million (PPM) of CO₂ 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.

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.

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.

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.

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](https://www.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](https://www.pge.com/cr).
- Sign up for automated benchmarking service at [pge.com/benchmarking](https://www.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](https://www.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](https://www.pge.com/customized) and [pge.com/rcx](https://www.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](https://www.pge.com/demandresponse).
- Check out PG&E's third-party programs at [pge.com/thirdparty](https://www.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](https://www.pge.com/savingsbydesign).
- Go to the Agriculture and Food Processing section of PG&E's website at [pge.com/ag](https://www.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](https://www.pge.com/tradeprodirectory).