

Incentive Catalog and Equipment Specifications

Resource Solutions Group Program Incentives 2010-2012

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Agricultural Products

Greenhouse Heat Curtain

Requirements:

- Customer must have natural gas distributed by Pacific Gas and Electric Company (PG&E) to the installation address.
- Only interior curtains installed in existing gas-heated greenhouses for heat retention and for agricultural use.
- Only applies to single layer curtain installation for:
 - A new curtain, where none previously existed, or
 - Replacing an existing curtain that is no longer functional.
- Must be installed above the conditioned area where the gas heat source provides hot air to plant and seed species.
- Must be designed by a manufacturer to be a heat curtain.
- Must have a natural gas savings rating that meets or exceeds 40%.
- Must have a warranty/product life of five years.

Installation:

- Installation must allow curtain to be automatically or manually moved into place.

Exclusions:

- Rebate amount is for square footage of new heat curtain and cannot exceed the square footage of the greenhouse floor.
- Overhang and overlap of curtain material cannot be included in the square footage calculation.

Product Code

A10 Greenhouse Heat Curtain

Incentive/Unit Measure

\$0.20/Square Foot

Infrared Film for Greenhouses

Requirements:

- Customer must have natural gas distributed by PG&E to the installation address.
- Must be infrared, anti-condensate, polyethylene plastic with a minimum thickness of six millimeters.
- Must be for an existing, heated greenhouse.

Exclusions:

- Does not apply to new construction.

Product Code

A102 Infrared Film for Greenhouses

Incentive/Unit Measure

\$0.05/Square Foot

Low Pressure Sprinkler Nozzles

Requirements:

- Customer must have electricity distributed by PG&E to the installation address.
- Must convert from a high-pressure, sprinkler system nozzle (50 psi operating pressure or more at the sprinkler head) to a low-pressure sprinkler system nozzle.
 - Low-pressure sprinkler system nozzles must replace high-pressure sprinkler system nozzles one-for-one.
- A pumping plant analysis must be completed after the replacement to ensure reasonable pumping efficiency.
 - Must have 45% Overall Pumping Efficiency or above.
- Hand move or permanent (solid set) systems apply.

Product Code

Incentive/Unit Measure

A272 Low Pressure Sprinkler Nozzles, Hand Move

\$1.15/Nozzle

A273 Low Pressure Sprinkler Nozzles, Permanent (solid set)

\$1.15/Nozzle

Sprinkler to Drip Irrigation

Requirements:

- Customer must have electricity distributed by PG&E to the installation address.
- Must convert from a high-pressure, impact-type, sprinkler irrigation system (50 psi operating pressure or more at the sprinkler head) to a micro-irrigation system.

Exclusions:

- Not applicable to new plantings of vineyards or orchards unless a vineyard or orchard was the previous crop on the field.
- No drip tape systems.

Product Code

Incentive/Unit Measure

A266 Sprinkler to Drip Irrigation, Field Vegetable

\$44/Acre

A268 Sprinkler to Drip Irrigation, Deciduous Tree

\$44/Acre

A269 Sprinkler to Drip Irrigation, Vineyard

\$44/Acre

Wine Tank Insulation

Requirements:

- Customer must have electricity distributed by PG&E to the installation address.
- Must have an insulation value equal to or greater than R-12 and be added to an existing refrigerated wine tank.
- Go to www.energy.ca.gov/maps/building_climate_zones.html to find your Climate Zone:

- “Coastal” includes Climate Zones 1, 2, 3, 4, and 5.
- “Central Valley” includes Climate Zones 11, 12, 13 and 16.

Product Code	Incentive/Unit Measure
A262 Wine Tank Insulation –Indoor Tank	\$2.25/Square Foot
A263 Sprinkler to Drip Irrigation, Deciduous Tree	\$3.00/Square Foot
A274 Sprinkler to Drip Irrigation, Vineyard	\$3.75/Square Foot

Appliances and General Improvement

Attic and Ceiling/Roof Insulation

Requirements:

- Must have natural gas and/or electricity distributed by Pacific Gas and Electric Company (PG&E) to the installation address.
- Must have a space heating or cooling source.
- All materials must be new.
- Materials must meet or exceed all applicable local, state and federal standards.
- Eligible for a rebate only if the existing insulation level is R-11 or less and if installed between a conditioned area and an unconditioned space.
- Final insulation level must be at least R-38 unless a higher level is specified by local jurisdiction.
- Insulation is feasible only when attic crawl space is adequate (24” or more between the bottom of the roof rafter and the top of the ceiling joists).

Exclusions:

- No dropped commercial ceilings.
- No new construction.

Installation Process:

- Follow manufacturer's installation requirements.

Additional Details:

- Rebate is based on the amount of insulation actually installed.

Product Code	Incentive/Unit Measure
H728 Attic and Roof/Ceiling Insulation	\$0.15/Square Foot

Wall Insulation

Requirements:

- Must have natural gas and/or electricity distributed by PG&E to the installation address.
- Must have a space heating or cooling source.
- All materials must be new.
- Materials must meet or exceed all applicable local, state and federal standards.
- Existing walls must not be insulated.
- Installed insulation must achieve a minimum of R-13.

Exclusions:

- No new construction

Installation Process:

- Follow manufacturer's installation requirements.

Product Code

B36 Wall Insulation

Incentive/Unit Measure

\$0.50/Square Foot

Reflective Window Film

Requirements:

- Customer must have electricity distributed by PG&E to the installation address.
- Must have a minimum five-year manufacturer's warranty.
- Must be applied to clear, single-pane glass and have either:
 - A Solar Heat Gain Coefficient (SHGC) value of 0.39 or less.or
 - A SHGC value of 0.47 or less and a Visible Transmittance
- (VT) /SHGC ratio greater than 1.3 – [VT “divided by” SHGC]
- Space must be cooled by a vapor-compression air conditioner

Exclusions:

- No evaporative-cooled space.
- No windows with northern exposure [(+)(-) 45 degrees of due North qualify].
- No dual-pane glass.

Product Code

B07 Reflective Window Film

Incentive/Unit Measure

\$1.35/Square Foot

ENERGY STAR® Room Air Conditioner

Requirements:

- Customer must have electricity distributed by PG&E to the installation address.
- Must be new and replace a previously installed product
- Must be ENERGY STAR qualified. Go to www.energystar.gov for a list of qualifying products.

Product Code

H169 Energy Star Room Air Conditioner

Incentive/Unit Measure

\$50.00/Unit

Electric Storage Water Heater

Requirements:

- Customer must have electricity distributed by PG&E to the installation address.
- Must be new and replace a previously installed product.
- Must have an Energy Factor (EF) of 0.93 or greater.
- Capacity must be 40 gallons or more.
- Only residential-style electric storage water heaters qualify for this rebate. Go to www.ahridirectory.org for a list of qualifying residential water heaters and the corresponding EF.

Exclusions:

- No instantaneous or tankless water heaters

Product Code

H154 Electric Storage Water Heater EFF >=0.93

Incentive/Unit Measure

\$30.00/Unit

High Efficiency Clothes Washers

Requirements:

- Customer must have natural gas and/or electricity distributed by PG&E to the installation address.
- Clothes washer must be a Consortium for Energy Efficiency (CEE) Tier 3 model only.
- Clothes washer must have a Modified Energy Factor (MEF) of 2.2 or greater.
- Clothes washer must have a Water Factor (WF) of 4.5 or less.

Exclusions:

- Not all ENERGY STAR clothes washers qualify for this rebate.

Additional Details:

- Customers residing in certain service areas may be eligible for higher rebate amounts through their local water agency. Please visit www.waterenergysavings.com for more information. Go to

www.cee1.org/com/cwsh/cwshspec.pdf for a list of qualifying commercial products. Residential clothes washers also qualify for this rebate. Go to www.cee1.org/resid/seha/rwsh/rwsh-prod.pdf for a list of qualifying residential products.

- CEE Tier 1 and 2 models do not qualify.

Product Code

Incentive/Unit Measure

B34 High Efficiency Clothes Washer

\$50.00/Unit

- CEE Tier 3 models only
- MEF of 2.2 or greater
- WF of 4.5 or less

**Modified Energy Factor (MEF) measures energy consumption of the total laundry cycle (washing and drying). It indicates how many cubic feet of laundry can be washed and dried with one kWh of electricity; the higher the number, the greater the efficiency. **Water Factor (WF) represents the number of gallons of water needed for each cubic foot of laundry. The lower number indicates lower consumption and more efficient use of water.*

High Efficiency Dishwashers

Requirements:

- Customer must have natural gas and/or electricity distributed by PG&E to the installation address.
- Dishwasher electricity and water usage must not exceed the following maximum levels:
 - a. 324 kWh/year and 5.8 gallons/cycle for the \$30 rebate.
 - b. 307 kWh/year and 5.0 gallons/cycle for the \$50 rebate

Exclusions:

- Not all ENERGY STAR dishwashers qualify for the higher rebate. Go to www.energystar.gov for a list of qualifying residential dishwashers and the corresponding Energy Factor (EF).

Product Code

Incentive/Unit Measure

DW03 High Efficiency Dishwasher

\$30.00/Unit

- ≤ 324 kWh/year and ≤ 5.8 gal/cycle

DW06 High Efficiency Dishwasher

\$50.00/Unit

- ≤ 307 kWh/yr and ≤ 5.0 gal/cycle

**Energy Factor (EF) is defined as the number of cycles per kWh of input power.*

Boilers and Water Heating

Process Boiler

Requirements:

- Only available to industrial end-use customers who manufacture a saleable product (NAICS codes 31-33).
- Must meet a minimum combustion efficiency of 82% once installed (see under Application Process).

Exclusions:

- Boilers primarily used for domestic hot water, space conditioning, pool or spa use do not qualify.

Product Code

H11 Water Process Boiler
H15 Steam Process Boiler

Incentive/Unit Measure

\$2.00/MBtuh
\$2.00/MBtuh

Direct Contact Water Heater

Requirements:

- Only direct contact water heaters for process end-uses (NAICS codes 31-33).
- Must meet efficiency requirements based on input ratings shown in Table 1.

Exclusions:

- Water heaters primarily used for domestic hot water, space conditioning, pool or spa use does not qualify.

Table 1

Input Rating	Required Efficiency
≤ 300 MBtuh	AFUE ≥88%
> 300 MBtuh	Thermal Efficiency > 90%

Product Code

H16 Direct Contact Water Heater

Incentive/Unit Measure

\$2.00/MBtuh

Large Domestic Hot Water Boiler

Requirements:

- Must be a commercial end-use customer.
- Only boilers with an input rating greater than 75,000 Btuh qualify.
- Must meet a minimum thermal efficiency of 84% or higher.

Exclusions:

- Cannot be used for space conditioning.
- Cannot be used for industrial (process) end-use.

Application Process:

- Must include a manufacturer’s specification sheet documenting input rating and efficiency.

Product Code

H105 Large DHW Boiler

Incentive/Unit Measure

\$1.50/MBtuh

Ozone Laundry System

The ozone laundry system(s) is a piece of equipment that is added-on to new or existing commercial washing machine(s). The system generates ozone (O₃), a naturally occurring molecule, which helps clean fabrics by chemically reacting with soils in cold water. Adding an ozone laundry system(s) will reduce the amount of chemicals, detergents, and hot water needed to wash linens. Using ozone also reduces the total amount of water consumed, saving even more in energy. Purchase and install ozone laundry system(s) on or after November 1, 2009 to be eligible for this rebate.

Requirements:

- Customer must have a natural gas-fired boiler or natural gas water heater that supplies hot water to the on-premise laundry equipment.
- This incentive only applies to the following facilities with on-premise laundry operations:
 - Hotels/motels with fewer than 250 guest rooms, or
 - Fitness and recreational sports centers.
- The ozone laundry system(s) must be a new purchased product and added-on to a new or existing commercial washing machine(s).
- The ozone laundry system(s) must transfer ozone into the water through:
 - Venturi Injection, or
 - Bubble Diffusion

Product Code

B85 Ozone Laundry System

Incentive/Unit Measure

\$39.00/Lb Capacity

Space Heating Boiler

Requirements:

- Must be used for space heating to induce human comfort (as defined by the California Energy Commission (CEC) Titles 20 and 24 standards).
- Must meet efficiency requirements based on input ratings and types shown in Table 2.

Table 2.

Type	Input Rating	Required Efficiency
Steam	< 300 MBtuh	AFUE \geq 77%
Small Water	< 300 MBtuh	AFUE \geq 82%
Large	\geq 300 MBtuh but \leq 5,000 MBtuh	Thermal Efficiency \geq 84%

Product Code

Incentive/Unit Measure

H111 Water Space Heating Boiler	\$1.00/MBtuh
H112 Large Space Heating Boiler	\$1.00/MBtuh
H113 Steam Space Heating Boiler	\$1.00/MBtuh

Steam Traps

Requirements:

- Industrial steam traps are for end-use customers who manufacture a saleable product.
- Commercial steam traps are for end-use customers in commercial and institutional facilities (such as dry cleaners, greenhouses or hospitals).
- New industrial steam traps must replace, one-for-one, existing failed steam traps.
- New commercial steam traps must replace, one-for-one, existing failed or older steam traps.

Exclusions:

- New construction is not eligible.

Product Code

Incentive/Unit Measure

H201 Industrial Low Pressure Steam Traps	\$100.00/Unit
H202 Industrial High Pressure Steam Traps	\$200.00/Unit
H221 Commercial Steam Traps- any pressure	\$50.00/Unit

Commercial Pool and Spa Heater

Requirements:

- Must replace existing pool heater.
- Must be certified to meet the following requirements:
 - Must be equal to or greater than 84% thermal efficiency, and
 - Must have an “on/off” switch and have no pilot light.
- Go to www.energy.ca.gov/appliances/database/excel_based_files/Pool_Products for a list of qualifying products with thermal efficiency of 84% or greater.

Product Code

Incentive/Unit Measure

H103 Commercial Pool and Spa Heater

\$2.00/MBtuh

Pipe Insulation

Requirements:

- One or two inch diameter of fiberglass, foam, or calcium silicate insulation must be added to existing, nonresidential bare pipe systems.
- The pipes must transfer fluid directly from gas-fired equipment.
- Minimum qualifying pipe diameter is one inch.

Application Process:

- Insulation thickness and liquid or steam temperature will determine the rebate amount.
- Must include the manufacturer's name, insulation material type and material k-value rating.

Product Code

Incentive/Unit Measure

H106 1" Pipe insulation; hot water (120 - 200° F)

\$2.00/Linear Foot

H107 2" Pipe insulation; hot water (120 - 200° F)

\$3.00/Linear Foot

H108 1" Pipe insulation; low pressure (< 15 psig) steam 200 - 250° F)

\$3.00/Linear Foot

H109 2" Pipe insulation; low pressure (< 15 psig) steam 200 - 250° F)

\$4.00/Linear Foot

Tank Insulation

Requirements:

- One or two inch diameter of fiberglass or foam insulation must be added to existing bare liquid, solution storage or transfer tanks.
- The tanks must be coupled to gas-fired commercial or industrial equipment that transfers heat to the contained liquid or solution.

Product Code

Incentive/Unit Measure

H113 2" Tank insulation, low temp 120 – 170° F solution

\$3.00/Square Foot

H114 1" Tank insulation, high temp 170 – 200° F solution

\$3.00/Square Foot

H115 1" Tank insulation, low temp 120 – 170° F solution

\$2.00/Square Foot

H118 2" Tank insulation, high temp 170 – 200° F solution

\$4.00/Square Foot

Business Computing

Network Desktop Computer Power Management Software

Requirements:

- Customer must have electricity distributed by Pacific Gas and Electric Company (PG&E) to the installation address.
- For control of desktop computers only.
- Some software is only compatible with specific operating systems. Please see Qualifying Software List for more information.
- Qualifying Software List: In order to qualify for this rebate, customers must install software found on the list at this link: www.pge.com/powermanagementsoftware.
- Installation must allow centralized control at the server level of the power management settings (sleep mode and shutdown) of desktop computers on a distributed network.
- The software must have a reporting feature that allows monitoring and validation of energy savings.
- Customers must agree to keep the software installed and operating for a period of five years from the initial installation date.
- Qualifying software must result from:
 - A new installation, where none previously existed, or
 - An upgrade of an operating system or other network support software where the desktop computer power management function did not previously exist.
- When contacted, customers must allow PG&E access to customers' property site to verify:
 - The installation of the software.
 - The location of the installed control software (at the server level).
 - The number of desktop computers controlled by the system.

Exclusions:

- Not for control of laptop and laptop stations. Laptops will not receive a rebate.

Product Code

M03 Network PC Power Management Software

Incentive/Unit Measure

\$15.00/Per desktop computer

Plug Load Occupancy Sensors

The plug load occupancy sensor is installed in an office or cubicle to control the office equipment and task lighting when the space is unoccupied. The sensor, plugs and switches are mounted in a single unit which can control power to devices such as computers, printers and task lamps.

Requirements:

- Customer must have electricity distributed by PG&E to the installation address.
- Only passive infrared and/or ultrasonic detectors.
- Plug-load sensors must control electricity using equipment in offices or cubicles, including shared copiers and/or printers.

Product Code

Incentive/Unit Measure

L65 Plug Load Occupancy Sensor

\$15.00/Sensor

Food Service

Customers applying for a gas measure must have a PG&E gas account, and customers applying for an electric measure must have a PG&E electric account. All incentives apply toward the purchase of new or replacement energy efficient equipment. Used or rebuilt equipment is not eligible. Customers must provide proof that the appliances meet the energy efficiency specifications. For a list of qualifying products for the Food Service Equipment, visit www.fishnick.com/saveenergy/incentives.

Commercial Combination Oven (Electric)

Requirements:

- Must have a Pacific Gas and Electric Company (PG&E) commercial electric account.
- Must meet or exceed heavy load cooking energy efficiency of 60% utilizing American Society for Testing and Materials (ASTM) Standard F1639.

Product Code

Incentive/Unit Measure

F100 Commercial Combination Oven (Electric)

\$1,000.00/Oven

Commercial Combination Oven (Electric)

Requirements:

- Must have a PG&E commercial gas account.
- Must meet or exceed heavy load cooking energy efficiency of 40% utilizing ASTM Standard F1639.

Product Code

Incentive/Unit Measure

F101 Commercial Combination Oven (Gas)

\$750.00/Oven

Commercial Convection Oven (Electric)

Requirements:

- Customer must have a PG&E commercial electric account.
- Must meet ENERGY STAR® specification.

Product Code

Incentive/Unit Measure

F187 Commercial Convection Oven (Electric)

\$350.00/Oven

Commercial Convection Oven (Natural Gas)

Requirements:

- Customer must have a PG&E commercial gas account.
- Must meet ENERGY STAR specification.

Product Code

F188 Commercial Convection Oven (Gas)

Incentive/Unit Measure

\$500.00/Oven

Commercial Rack Ovens (Gas)

Requirements:

- Must have a PG&E commercial gas account.
- Must meet or exceed baking energy efficiency of 50% utilizing ASTM Standard F2093.

Product Code

F141 Commercial Rack Oven Single (gas)

F142 Commercial Rack Oven Double (gas)

Incentive/Unit Measure

\$1,000.00/Single Oven

\$2,000.00/Double Oven

Commercial Conveyor Oven (Natural Gas)

Requirements:

- Customer must have a PG&E commercial gas account.
- Must meet or exceed baking energy efficiency of 42% utilizing ASTM Standard F1817.
- Small conveyor ovens with total conveyor width that is less than or equal to 25 inches must also have an idle energy consumption rate that is less than or equal to 29,000 Btu/h.
- Large conveyor ovens with total conveyor width that is greater than 25 inches must also have an idle energy consumption rate that is less than or equal to 57,000 Btu/h.

Additional Details:

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

Product Code

F168 Commercial Conveyor Oven- Small (<=25-in. conveyor width (Gas)

F169 Commercial Conveyor Oven- Large (>25-in conveyor width (Gas)

Incentive/Unit Measure

\$500.00/Deck

\$750.00/Deck

Commercial Fryer (Electric)

Requirements:

- Must have a PG&E commercial electric account.
- Must meet ENERGY STAR® specification

Product Code

F104 Commercial Fryer (Electric)

Incentive/Unit Measure

\$200.00/Vat

Commercial Fryer (Gas)

Requirements:

- Must have a PG&E commercial gas account.
- Must meet ENERGY STAR specifications

Product Code

F105 Commercial Fryer (Gas)

Incentive/Unit Measure

\$500.00/Vat

Commercial Large Vat Fryer (Electric)

Requirements:

- Must have a PG&E commercial electric account.
- Must meet or exceed heavy load (French fry) cooking energy efficiency of 80% utilizing ASTM Standard F2144.

Additional Details:

- Multiple vat configurations are paid per qualifying vat.

Product Code

F138 Commercial Large Vat Fryer (Electric)

Incentive/Unit Measure

\$200.00/Vat

Commercial Large Vat Fryer (Gas)

Requirements:

- Must have a PG&E commercial gas account.
- Must meet or exceed heavy load (French fry) cooking energy efficiency of 50% utilizing ASTM Standard F2144.

Additional Details:

- Multiple vat configurations are paid per qualifying vat.

Product Code

F139 Commercial Large Vat Fryer (Gas)

Incentive/Unit Measure

\$500.00/Vat

Commercial Griddle (Electric)

Requirements:

- Customer must have a PG&E commercial electric account.
- Must meet ENERGY STAR specification.

Product Code

F189 Commercial Griddle (Electric)

Incentive/Unit Measure

\$300.00/Griddle

Commercial Griddle (Natural Gas)

Requirements:

- Customer must have a PG&E commercial gas account.
- Must meet ENERGY STAR specification.

Product Code

F190 Commercial Griddle (Gas)

Incentive/Unit Measure

\$125.00/Griddle

Commercial Steam Cooker (Electric)

Requirements:

- Customer must have a PG&E commercial electric account.
- Must meet ENERGY STAR specification.

Product Code

F108 Commercial Griddle (Electric)

Incentive/Unit Measure

\$1,250.00/Steamer

Commercial Steam Cooker (Natural Gas)

Requirements:

- Customer must have a PG&E commercial gas account.
- Must meet ENERGY STAR specification.

Product Code

F109 Commercial Griddle (Gas)

Incentive/Unit Measure

\$2,000.00/Steamer

Insulated Holding Cabinets

Requirements:

- Customer must have a PG&E commercial electric account.
- Must meet CEE Tier II specification.
- All measures must be electric hot food holding cabinets that are fully insulated and have solid doors.

Product Code

F110 Insulated Holding Cabinets, Full Size

F111 Insulated Holding Cabinets, Half Size

F112 Insulated Holding Cabinets, Three-Quarter Size

Incentive/Unit Measure

\$300.00/Unit

\$200.00/Unit

\$250.00/Unit

Commercial Glass Door Refrigerators

Requirements:

- Customer must have a PG&E commercial electric account.
- The refrigeration system must be built-in (packaged).
- Must meet ENERGY STAR Version 2.0 specification.

Exclusions:

- Cases with remote refrigeration systems do not qualify.

Product Code

F171 Energy Star Glass Door Refrigerators $V < 15 \text{ ft}^3$

F172 Energy Star Glass Door Refrigerators $15 \leq V < 30 \text{ ft}^3$

F173 Energy Star Glass Door Refrigerators $30 \leq V < 50 \text{ ft}^3$

F174 Energy Star Glass Door Refrigerators $V \geq 50 \text{ ft}^3$

Incentive/Unit Measure

\$75.00/Unit

\$100.00/Unit

\$125.00/Unit

\$150.00/Unit

Commercial Solid Door Refrigerators

Requirements:

- Customer must have a PG&E commercial electric account.
- The refrigeration system must be built-in (packaged).
- Must meet ENERGY STAR Version 2.0 specification.

Exclusions:

- No cases with remote refrigeration systems.
- ENERGY STAR specification Version 1.0 refrigerators do not qualify

Product Code

Incentive/Unit Measure

F183 Energy Star Solid Door Refrigerators V< 15 ft3	\$50.00/Unit
F184 Energy Star Solid Door Refrigerators 15<=V< 30 ft3	\$75.00/Unit
F185 Energy Star Solid Door Refrigerators 30<=V< 50 ft3	\$125.00/Unit
F186 Energy Star Solid Door Refrigerators V>=50 ft3	\$200.00/Unit

Commercial Glass Door Freezers

Requirements:

- Customer must have a PG&E commercial electric account.
- The refrigeration system must be built-in (packaged).
- Must meet ENERGY STAR Version 2.0 specification.

Exclusions:

- No cases with remote refrigeration systems.

Product Code

Incentive/Unit Measure

F175 Energy Star Glass Door Freezers V< 15 ft3	\$200.00/Unit
F176 Energy Star Glass Door Freezers 15<=V< 30 ft3	\$250.00/Unit
F177 Energy Star Glass Door Freezers 30<=V< 50 ft3	\$500.00/Unit
F178 Energy Star Glass Door Freezers V>=50 ft3	\$1,000.00/Unit

Commercial Solid Door Freezers

Requirements:

- Customer must have a PG&E commercial electric account.
- The refrigeration system must be built-in (packaged).
- Must meet ENERGY STAR Version 2.0 specification.

Exclusions:

- No cases with remote refrigeration systems.
- ENERGY STAR specification Version 1.0 freezers do not qualify.

Product Code

Incentive/Unit Measure

F179 Energy Star Solid Door Freezers V< 15 ft3	\$100.00/Unit
F180 Energy Star Solid Door Freezers 15<=V< 30 ft3	\$150.00/Unit
F181 Energy Star Solid Door Freezers 30<=V< 50 ft3	\$300.00/Unit
F182 Energy Star Solid Door Freezers V>=50 ft3	\$600.00/Unit

Commercial Ice Machines

Ice machines must be tested in accordance with the Air Conditioning and Refrigeration Institute (ARI) Standard 810. Visit www.ari.org for product information and testing procedures. Specifications are available at www.energystar.gov/cfs and www.cee1.org.

Requirements:

- Customer must have a PG&E commercial electric account.
- Includes machines generating ice cubes that are 60 grams (2 oz.) or lighter. It also includes flaked, crushed and fragmented ice makers.
- Only air-cooled machines (self contained, ice making heads, or remote condensing).
- The entire ARI tested ice making system must be purchased.
- Remote machines must be purchased with qualifying remote condenser or remote condenser/compressor unit. The efficiency specifications for the two qualifying tiers are equivalent to ENERGY STAR or CEE Tier III.

Product Code

Incentive/Unit Measure

F154 ENERGY STAR Ice Machines, 101-200 lbs/day	\$50.00/Machine
F155 ENERGY STAR Ice Machines, 201-300 lbs/day	\$50.00/Machine
F156 ENERGY STAR Machines, 301-400 lbs/day	\$75.00/Machine
F157 ENERGY STAR Machines, 401-500 lbs/day	\$75.00/Machine
F158 ENERGY STAR Machines, 501-1,000 lbs/day	\$125.00/Machine
F159 ENERGY STAR Ice Machines, 1,001-1,500 lbs/day	\$200.00/Machine
F160 ENERGY STAR Ice Machines, > 1,500 lbs/day	\$250.00/Machine

Super-Efficient CEE Tier III

Product Code

Incentive/Unit Measure

F161 CEE Tier III Ice Machines, 101-200 lbs/day	\$100.00/Machine
F162 CEE Tier III Ice Machines, 201-300 lbs/day	\$100.00/Machine
F163 CEE Tier III Ice Machines, 301-400 lbs/day	\$150.00/Machine
F164 CEE Tier III Ice Machines, 401-500 lbs/day	\$150.00/Machine
F165 CEE Tier III Ice Machines, 501-1,000 lbs/day	\$250.00/Machine

F166 CEE Tier III Ice Machines, 1,001-1,500 lbs/day	\$400.00/Machine
F167 CEE Tier III Ice Machines, > 1,500 lbs/day	\$500.00/Machine

Commercial Kitchen Ventilation Controls – Retrofit (Electric)

Requirements:

- Customer must have a PG&E commercial electric account.
- Must be a new commercial kitchen exhaust hood control system that must be installed in an existing dedicated commercial kitchen exhaust hood and make-up air system.
- The control system must be used in conjunction with variable speed fan motor controls.
- Only pre-approved control systems will qualify for an incentive.

Product Code	Incentive/Unit Measure
F150 Ventilation Control Retrofit (Electric)	\$350.00/Exhaust fan hp

Commercial Kitchen Ventilation Control – New Hood (Electric)

Requirements:

- Customer must have a PG&E commercial electric account.
- Must be a new commercial kitchen exhaust hood control system that must be installed in a new dedicated commercial kitchen exhaust hood and make-up air system.
- The control system must be used in conjunction with variable speed fan motor controls.
- Only pre-approved control systems will qualify for an incentive.

Product Code	Incentive/Unit Measure
F151 Ventilation Control New Hood (Electric)	\$300.00/Exhaust fan hp

Heating Ventilation and Air Conditioning (HVAC)

Central Natural Gas Furnaces

Requirements:

- Customer must have natural gas distributed by Pacific Gas and Electric (PG&E) to the installation address.
- The central natural gas furnace must have an Annual Fuel Utilization Efficiency (AFUE) rating of:
 - 94% or greater, or
 - 96% or greater

- Customers that have electricity distributed by PG&E to the installation address in climate zones 11, 12, or 13 may be eligible for a higher rebate if the furnace has a built-in Variable Speed Motor (VSM).
 - Go to www.energy.ca.gov/maps/building_climate_zones.html to find your climate zone.
- Only residential furnaces installed on a small commercial setting qualify for the rebate.

Product Code	Incentive/Unit Measure
H729 96 AFUE Central natural Gas Furnace (without VSM)	\$250.00/Machine
H730 96 AFUE Central natural Gas Furnace (without VSM)	\$300.00/Machine
H731 94 AFUE Central natural Gas Furnace (without VSM)	\$150.00/Machine
H732 94 AFUE Central natural Gas Furnace (with built-in VSM)	\$200.00/Machine

Package Terminal Air Conditioner (PTAC) and Package Terminal Heat Pump (PTHP)

PTACs and PTHPs are through-the-wall, self-contained units and are generally 2 tons (24,000 Btu/hr) or less.

Requirements:

- Customer must have electricity distributed by PG&E to the installation address.
- Must meet the applicable Minimum Energy Efficiency Ratio (EER) as stated in Table 3:

Table 3

Unit Capacity for High Efficiency PTAC/PTHP	Minimum EER
≤ 7,000 Btu/hr	11.29
> 7,000 and ≤ 15,000 Btu/hr	10.27
> 15,000 Btu/hr	9.25

Product Code	Incentive/Unit Measure
H131 Package Terminal Air Conditioners and Package Terminal Heat Pumps	\$100.00/Unit

Variable Frequency Drive (VFD) for HVAC Fan

Requirements:

- Customer must have electricity distributed by PG&E to the installation address.
- Drives must be applied to existing HVAC supply air fans only.
- Eligible for a rebate only if throttling devices, such as inlet vanes, bypass dampers and throttling valves, are removed or permanently disabled.
- A 3% impedance choke is recommended.

Exclusions:

- Fan size larger than 100 horsepower (hp) are not eligible for this rebate.
- A Variable Speed Motor (VSM) is ineligible for a rebate using this product’s specifications.
- VFDs on cooling towers are ineligible for a rebate.

Product Code

Incentive/Unit Measure

H148 Variable Frequency Drives (VFDs) for HVAC Fans

\$80.00/hp

Variable Speed Motor (VSM) Air Handler System

Purchase and install a VSM to increase the efficiency of air handlers installed with any split or packaged air conditioning or heat pump system.

Requirements:

- Customer must have electricity distributed by PG&E to the installation address.
- Must replace the existing single speed motor (retrofit) for the central HVAC air handler fan system with a new VSM that includes a controller.
- Motors must be 10 horsepower (hp) or less to be eligible for a rebate.
- Only available to customers residing in climate zones 11, 12 and 13.
 - Go to www.energy.ca.gov/maps/building_climate_zones.html to find your climate zone.

Exclusions:

- A Variable Frequency Drive (VFD) is ineligible for a rebate using this product's specifications.

Product Code

Incentive/Unit Measure

H182 Variable Speed Motor (VSM) Air Handler System

\$50.00/Unit

Lighting

Carefully read the specifications below to determine that you are installing a qualifying product(s). Project completion documents must include the manufacturer’s specification sheet documenting the characteristics of lamps, ballasts, and fixtures.

Compact Fluorescent Fixtures

Requirements:

- Only complete, new compact fluorescent fixtures qualify.
- New fixtures must not exceed the maximum “New Fixture Wattage” listed in Table 1 for each range of lamp wattage being replaced. New fixture wattage is the total system wattage (Lamp and Ballast).
- Ballasts must have a power factor greater than or equal to 0.9.
- Rebates are based on a one-for-one replacement of incandescent or high intensity discharge (HID) fixtures including, mercury vapor, high pressure sodium, and standard metal halide or pulse start

metal halide. Existing lamp wattage is used rather than total fixture wattage (i.e. a 250 Watt high pressure sodium fixture is a 250 Watt base case and qualifies under the L1022 rebate code).

- Any wattage incandescent lamp; Slim line T12, T12 High Output (HO) or T12 Very High Output (VHO) fluorescent lamps ≥ 60 Watts may be replaced by complete new compact florescent fixtures.
 - To calculate the base case wattage for incandescent and fluorescent fixtures with more than one lamp, multiply the number of lamps by the nominal lamp wattage as listed on lamp label.
- Example calculation: 8 foot T12 HO Energy Saver lamps are typically 95 Watts each. A two lamp base case fixture equals $2 \times 95 = 190$ Watts and qualifies under the L1022 rebate code.
- In all cases, the wattage of the replacement fixture must be less than the wattage of the existing lamp.
- New exterior installations qualify if existing lamps are less than or equal to 100 Watts.
- May qualify for an additional control(s) rebate through the "Occupancy Sensor" and/or "Exterior Photocells" category, provided all requirements are met.
- Example calculation: Compact Fluorescent fixtures plus Integrated Fixture Sensor (rebate code L1014 \$75.00 and L1037 \$40.00) $\$75.00 + \$40.00 = \$115.00$ total.

Exclusions:

- Other fixture configurations and exterior application >100 Watts will be considered under our Customized Retrofit Incentive program.
- Exterior installations and applications are typically operating during non-peak hours and therefore do not qualify under this interior fixture category.

Product Code

Incentive/Unit Measure

L1013 Interior ≥ 400 Watt lamp basecase, up to ≤ 360 Watt replacement fixture	\$45.00/Fixture
L1014 Interior ≥ 400 Watt lamp basecase, up to 390 Watt replacement fixture	\$75.00/Fixture
L1021 Interior 101-175 Watt lamp basecase, up to 160 Watt replacement fixture	\$35.00/Fixture
L1022 Interior 176-399 Watt lamp basecase, up to 275 Watt replacement fixture	\$40.00/Fixture
L962 Interior ≤ 100 Watt lamp basecase, up to 70 Watt replacement fixture	\$20.00/Fixture
LA00 Exterior ≤ 100 Watt lamp basecase, up to 70 Watt replacement fixture	\$17.00/Fixture

Interior Linear Fluorescent Fixtures

Requirements:

- Only complete, new High Performance (HP) T8/T5, Super T8, T8 VHO, or T5 HO interior linear fluorescent fixtures qualify.
- New fixtures must not exceed the maximum "New Fixture Wattage" listed in Table 2 for each range of lamp wattage being replaced. New fixture wattage is the total system wattage (Lamp and Ballast).
- Rebates are based on a one-for-one replacement of incandescent or high intensity discharge (HID) fixtures including, mercury vapor, high pressure sodium, and standard metal halide or pulse start metal halide. Existing lamp wattage is used rather than total fixture wattage (i.e. a 250 Watt high pressure sodium fixture is a 250 Watt base case and qualifies under the L1033 rebate code).
- Any wattage incandescent lamp; Slimline T12, T12 HO or T12 VHO fluorescent lamps ≥ 60 Watts may be replaced by complete new linear fluorescent fixtures.

- To calculate the base case wattage for incandescent and fluorescent fixtures with more than one lamp. Multiply number of lamps by nominal lamp wattage as listed on lamp label.
- Example calculation: 8 foot T12 HO Energy Saver lamps are typically 95 Watts each. A four lamp base case fixture equals $4 \times 95 = 380$ Watts and qualifies under the L1033 rebate code.
- In all cases, the wattage of the replacement fixture must be less than the wattage of the existing lamp.
- All 32 Watt T8 lamps must be HP T8 or Super T8 lamps and listed on the qualified HP T8 lamp list at www.cce1.org.
- All lamps must be rated $\geq 20,000$ hours average rated lamp life based on 3 hours per start when operated on a Program Start Ballasts.
- T5 HO and T8 VHO lamps must have Color Rendering Index (CRI) that is equal to or greater than 82.
- All T8 ballasts must be NEMA premium or designated HP electronic ballast listed on www.cce1.org, T5 HO and T8 VHO must be Program Rapid Start ballasts.

Exclusions:

- Existing fluorescent lamps < 60 Watts, being replaced by a new fixture, must use the “High Performance T8 or T5 Linear Fluorescent Lamps with Electronic Ballasts” category (L1019 or L1020).
- Exterior installations do not qualify.
- Not eligible for additional rebates under the “Compact Fluorescent Fixtures” and “High Performance T8 or T5 Linear Fluorescent Lamps with Electronic Ballasts” categories.
- Other fixture configurations may be considered under our Customized Retrofit Incentive Program.

Additional Details:

- May qualify for an additional control(s) rebate through the “Occupancy Sensors” category, provided all requirements are met.
 - Example calculation: Linear fluorescent fixture plus integrated fixture sensor (rebate code L1035 \$100 and rebate code L1037 \$40.00) $\$100 + \$40.00 = \$140.00$ total.
 - T8 and T5: Program-Start ballasts are designed to provide maximum lamp life in frequent lamp starting applications such as in areas where occupancy sensor controls are used.
 - T8 Only: Instant Start electronic ballasts are the most popular type of electronic ballast today because they provide maximum energy savings and start lamps without delay.

Product Code

Incentive/Unit Measure

L1031 ≤ 100 Watt lamp basecase, up to 64 Watt replacement fixture	\$25.00/Fixture
L1032 101-175 Watt lamp basecase, up to 128 Watt replacement fixture	\$35.00/Fixture
L1033 176-399 Watt lamp basecase, up to 192 Watt replacement fixture	\$50.00/Fixture
L1034 400 Watt lamp basecase, 245 to 360 Watt replacement fixture (Tier 2)	\$50.00/Fixture
L1035 400 Watt lamp basecase, up to 244 Watt replacement fixture (Tier 1)	\$100.00/Fixture
L1036 > 400 Watt lamp basecase, up to 600 Watt replacement fixture	\$200.00/Fixture

Interior Induction Fixtures

Requirements:

- Only complete, new induction fixtures or retrofit kits.

- New fixtures must not exceed the maximum “New Lamp Wattage” listed in Table 3 for each lamp being replaced. New lamp wattage is the total lamp only wattage.
- Rebates are based on a one-for-one replacement of incandescent or high intensity discharge (HID) lamps including, mercury vapor, high pressure sodium, and standard metal halide or pulse start metal halide. Existing lamp wattage is used rather than total fixture wattage (i.e. a 250 Watt high pressure sodium fixture is a 250 Watt base case and qualifies under the L1025 rebate code).
- Any wattage incandescent lamp; Slimline T12, T12 HO or T12 VHO fluorescent lamps ≥ 60 Watts may be replaced by complete new interior induction fixtures.
 - To calculate the base case wattage for incandescent and fluorescent fixtures with more than one lamp. Multiply number of lamps by nominal lamp wattage as listed on lamp label.
 - Example calculation: 8 foot T12 HO Energy Saver lamps are typically 95 Watts each. A four lamp base case fixture equals $4 \times 95 = 380$ Watts and qualifies under the L1025 rebate code.
- In all cases, the wattage of the replacement fixture must be less than the wattage of the existing lamp.
- May qualify for an additional control(s) rebate through the “Occupancy Sensors” category, provided all requirements are met.
 - Example calculation: Interior induction fixture plus integrated sensor (rebate code L0270 \$125.00 and rebate code L1037 \$40.00) $\$125.00 + \$40.00 = \$165.00$ total.

Exclusions:

- Exterior installations and applications are typically operating during non-peak hours and therefore do not qualify under this interior fixture category.
- Other fixture configurations may be considered under our Customized Retrofit Incentive Program.

Product Code	Incentive/Unit Measure
L1023 100 Watt lamp basecase, up to 95 Watt replacement fixture	\$35.00/Fixture
L1024 101-175 Watt lamp basecase, up to 160 Watt replacement fixture	\$60.00/Fixture
L1025 176-399 Watt lamp basecase, up to 180 Watt replacement fixture	\$75.00/Fixture
L1026 400 Watt lamp basecase, up to 360 Watt replacement fixture(TIER 2)	\$60.00/Fixture
L0270 400 Watt lamp basecase, up to ≤ 250 Watt replacement fixture(TIER 1)	\$125/Fixture

Exterior Induction Fixtures

Requirements:

- Only complete, new induction fixtures or retrofit kits.
- New fixtures must not exceed the maximum “New Lamp Wattage” listed in Table 4 for each lamp being replaced. New lamp wattage is the total lamp only wattage.
- Rebates are based on a one-for-one replacement of incandescent or high intensity discharge (HID) fixtures including, mercury vapor, high pressure sodium, and standard metal halide or pulse start metal halide. Existing lamp wattage is used rather than total fixture wattage (i.e. a 250 Watt high pressure sodium fixture is a 250 Watt base case and qualifies under the L0267 rebate code).
- Any wattage incandescent lamp; Slimline T12, T12 HO or T12 VHO fluorescent lamps ≥ 60 Watts may be replaced by complete new exterior induction fixtures.

- To calculate the base case wattage for incandescent and fluorescent fixtures with more than one lamp, multiply the number of lamps by the nominal lamp Wattage as listed on lamp label.
- Example calculation: 8 foot T12 HO Energy Saver lamps are typically 95 Watts each. A four lamp base case fixture equals $4 \times 95 = 380$ Watts and qualifies under the L0267 rebate code.
- In all cases, the wattage of the replacement fixture must be less than the wattage of the existing lamp.
- May qualify for an additional control(s) rebate through the “Exterior Photocells” category, provided all requirements are met.

Exclusions:

- Street and roadway installations do not qualify; please refer to PG&E’s Street Light Program for details refer to www.pge.com/led.
- Pulse start metal halide does not qualify. Please refer to “Exterior HID Fixtures w/Electronic Ballasts” category.

Product Code

Incentive/Unit Measure

L0262 100 Watt or less lamp basecase, up to 70 Watt replacement fixture	\$25/Fixture
L0263 101-175 Watt lamp basecase, up to 100 Watt replacement fixture	\$45.00/Fixture
L0264 176-200 Watt lamp basecase, up to 120 Watt replacement fixture	\$50.00/Fixture
L0265 400 Watt lamp basecase, up to 250 Watt replacement fixture	\$100.00/Fixture
L0267 201-399 Watt lamp basecase, up to 180 Watt replacement fixture	\$50.00/Fixture

Interior HID Fixtures w/ Electronic Ballasts

Requirements:

- Only complete, new pulse-start metal halide fixtures or retrofit kits with Electronic HID Ballasts qualify.
- Retrofit kits and new fixtures must be equipped with pulse start metal halide or ceramic metal halide lamps and electronic ballasts that are compatible with controls and capable of Dimming or Bi-Level functionality.
- New fixtures must not exceed the maximum “New Lamp Wattage” listed in Table 5 for each lamp being replaced.
- New lamp wattage is the total lamp only wattage.
- Rebates are based on a one-for-one replacement of incandescent or high intensity discharge (HID) fixtures including, mercury vapor, high pressure sodium, and standard metal halide or pulse start metal halide. Existing lamp wattage is used rather than total fixture wattage (i.e. a 400 Watt high pressure sodium fixture is a 400 Watt base case and qualifies under the L1030 rebate code).
- Any wattage incandescent lamp; Slimline T12, T12 HO or T12 VHO fluorescent lamps ≥ 60 Watts may be replaced by complete new interior HID fixtures.
 - To calculate the base case wattage for incandescent and fluorescent fixtures with more than one lamp. Multiply number of lamps by nominal lamp wattage as listed on lamp label.

- Example calculation: 8 foot T12 HO Energy Saver lamps are typically 95 Watts each. A four lamp base case fixture equals $4 \times 95 = 380$ Watts and qualifies under the L1029 rebate code.
- In all cases, the wattage of the replacement fixture must be less than the wattage of the existing lamp.

Exclusions:

- Exterior installations and applications that are typically operating non-peak hours do not qualify. Please refer to
- “Exterior HID Fixtures w/Electronic Ballasts” category.
- Other fixture configurations may be considered under our Customized Retrofit Incentive Program.

Product Code

Incentive/Unit Measure

L1008 101-175 Watt lamp basecase, ≤ 125 Watt replacement lamp	\$35.00/Fixture
L1009 >400 Watt lamp basecase, ≤ 750 Watt replacement lamp (Tier 2)	\$90.00/Fixture
L1010 >400 Watt lamp basecase, ≤ 600 Watt replacement lamp (Tier 1)	\$150.00/Fixture
L1029 176-399 Watt lamp basecase, ≤ 175 Watt replacement lamp	\$40.00/Fixture
L1030 400 Watt lamp basecase, ≤ 250 Watt replacement lamp	\$75.00/Fixture
L0269 ≤ 100 Watt lamp basecase, ≤ 70 Watt replacement lamp	\$20/Fixture

Exterior HID Fixtures w/ Electronic Ballasts

Requirements:

- Only complete, new pulse-start metal halide or ceramic metal halide fixtures or retrofit kits with Electronic HID
- Ballasts qualify.
- Retrofit kits and new fixtures must be equipped with ceramic metal halide or pulse-start metal halide lamps and electronic ballasts that are compatible with controls and capable of Dimming or Bi-Level functionality.
- New fixtures must not exceed the maximum “New Lamp Wattage” listed in Table 6 for each lamp being replaced. New lamp wattage is the total lamp only wattage.
- Rebates are based on a one-for-one replacement of incandescent or high intensity discharge (HID) fixtures including, mercury vapor, high pressure sodium, and standard metal halide or pulse start metal halide. Existing lamp wattage used rather than total fixture wattage (i.e. a 400 Watt high pressure sodium fixture is a 400 Watt base case and qualifies under the L1027 rebate code).
- Any wattage incandescent lamp; Slimline T12, T12 HO and T12 VHO fluorescent lamps ≥ 60 Watts may be replaced by complete new exterior HID fixtures.
 - To calculate the base case wattage for incandescent and fluorescent fixtures with more than one lamp. Multiply number of lamps by nominal lamp wattage as listed on lamp label.
 - Example calculation: 8 foot T12 HO Energy Saver lamps are typically 95 Watts each. A four lamp base case fixture equals $4 \times 95 = 380$ Watts and qualifies under the L1012 rebate code.
- In all cases, the wattage of the replacement fixture must be less than the wattage of the existing lamp.

Exclusions:

- Street and roadway installations do not qualify.

- Other fixture configurations may be considered under our Customized Retrofit Incentive Program.

Product Code	Incentive/Unit Measure
L1007 <=100 Watt lamp basecase, <=70 Watt replacement fixture	\$15.00/Fixture
L1011 101-175 Watt lamp basecase, <=100 Watt replacement fixture	\$20.00/Fixture
L1027 400 Watt lamp basecase, <= 250 Watt replacement lamp	\$50.00/Fixture
L1028 >400 Watt lamp basecase, <=750 Watt replacement lamp	\$75.00/Fixture
L0268 176-200 Watt lamp basecase, <=100 Watt replacement fixture	\$25.00/Fixture

Bi-Level Stairwell/Hall/Garage Fixtures

Requirements:

- Only complete, new fluorescent fixtures with program start electronic ballasts and lamps that meet requirements listed in Table 8 in the “High Performance T8 or T5 Fluorescent Lamps with Electronic Ballasts” category qualify.
- Qualifying fixtures must be manufactured with fixture integrated occupancy sensors that control the individual fixture and meet UL requirements.
- All lamps must be pin-based fluorescent or other permanent installed technology.
- Must include a passive infrared and/or ultrasonic occupancy sensor with a failsafe feature in case lamp fails due to a sensor failure.
- The fixture must operate in low-standby light level during vacancy and switch to full light output upon occupancy.
 - The fixture cannot exceed 35% of full wattage during unoccupied periods.

Exclusions:

- Fixtures whose settings can be overridden are not eligible.
- Screw-in lamps are not eligible.
- Not eligible for additional rebates through the “Occupancy Sensors” or “High Performance T8 or T5 Linear Fluorescent Lamps with Electronic Ballasts” categories.

Installation Process:

- Low mode setting should be chosen so that the surface illuminate levels are code compliant.

Product Code	Incentive/Unit Measure
L733 Bi-Level Stairwell/Hall/Garage Fixtures	\$25.00/Fixture

High Performance T8 or T5 Linear Fluorescent Lamps with Electronic Ballasts

Rebate applies to existing T12 lamps and ballasts that are replaced by High Performance (HP) T8 or T5 systems.

Lamp Requirements: (High Performance T8 and T5)

- 2 foot, 3 foot and 8 foot T8 and T5 replacement lamps must meet the Color Rendering Index (CRI) and Minimum Rated Lamp Life standards listed in Table 4.
- 4 foot T8 lamps must be listed as HP T8, 3rd Generation T8 or Super T8’s and listed at www.cee1.org

Table 4

Lamp Type & Size	Ballast	CRI	Minimum Rated Lamp Life (3hrs/start)
T8: 2-ft, 3-ft, 4-ft	Programmed Start or Programmed Rapid Start	≥ 80	24,000 hrs
T8: All sizes	Instant Start	≥ 80	18,000 hrs
T5: All sizes	Programmed Start or Programmed Rapid Start	≥ 82	20,000 hrs

Ballast Requirements (High Performance T8 and T5):

- The new T8 electronic ballasts must be designated as NEMA premium or listed as a HP T8 ballast at www.cee1.org.
- New T5 electronic ballasts must be Program Rapid-Start.
- At a minimum all ballast must meet the following
 - Be warranted against mechanical or electrical defects for five years.
 - Have a Power Factor (PF) of greater than or equal to 0.90.
 - Have Total Harmonic Distortion (THD) of less than or equal to 20% full light output (for 8 foot lamps) and less than or equal to 32% (for 2 foot and 3 foot lamps).

Exclusions (both T8 and T5):

- Replacement lamps and ballasts rebated in these categories are not eligible for rebates through the “Interior Linear Fluorescent Fixture” category.

Additional Details:

- May qualify for an additional control(s) rebate through the “Occupancy Sensors” and/or “Exterior Photocells” category, provided all requirements are met.
- T8 and T5: Program-Start ballasts are designed to provide maximum lamp life in frequent lamp starting applications such as in areas where occupancy sensor controls are used.
- T8 Only: Instant Start electronic ballasts are the most popular type of electronic ballast today because they provide maximum energy savings and start lamps without delay.

Product Code

Incentive/Unit Measure

L1017 2-ft lamp/installed	\$4.50/Lamp
L1018 3-ft lamp/installed	\$5.50/Lamp
L1019 4-ft lamp/installed	\$5.50/Lamp
L1020 8-ft lamp/installed	\$9.00/Lamp

De-Lamping

Requirements:

- The total number of lamps claimed for de-lamping cannot be more than the number of replacement T8 or T5 lamps installed.
- Customers must not remove more than half of the existing lamps, ballasts and lamp holders from each fixture/system.
- Customers are responsible for deciding whether de-lamping will maintain adequate light levels.
- Removing lamps from a T12 fixture that is not being retrofitted with T8 lamps are not eligible for this incentive.
- De-Lamping must be accompanied with lamp and ballast replacement/retrofit.

Product Code

Incentive/Unit Measure

L17 2-ft lamp/removed	\$6.00/Lamp
L18 3-ft lamp/removed	\$6.00/Lamp
L19 4-ft lamp/removed	\$8.00/Lamp
L20 8-ft lamp/removed	\$20.00/Lamp

Low or Reduced-Wattage T8 Systems (28 and 25 Watt)

Rebates are for the installation of 4 foot Low Wattage T8 lamps that replace 32 Watt T8 lamps. Low Wattage lamp rebate can be combined with the T12 to T8 retrofit. These lamps can also be used in existing 32 Watt T8 relamping projects.

Example A: Retrofit a 4 foot T12 4-lamp fixture with a 4 foot T8 4-lamp (lamp and ballast) with 28W T8 lamps. Rebate equals the T12 to T8 lamp and ballast retrofit rebate of \$5.50 (L1019) per lamp, plus the Low Wattage T8 Rebate of \$1.00 (L730) per lamp for a total of \$26.00.

Example B: Replace a 4 foot T8 32 Watt lamp only with a 25 Watt T8 lamp. Rebate equals \$1.50 (L863) per lamp.

Requirements:

- Approved lamps can be found at <http://www.cee1.org/com/com-lt/RW-lamps-ballasts.xls> on tab RW Lamp Update.

Exclusions:

- Replacement lamps rebated in this category are not eligible for additional rebates through the "Interior Linear Fluorescent Fixtures" category.

Additional Details:

- Low Wattage T8 lamps are best used to replace First Generation 700 series 32 Watt T8 lamps in existing lighting systems. Care should be taken to read manufacturer recommendations for ballast requirement and use in low temperature.

Product Code

Incentive/Unit Measure

L730 T8 to 4ft 28 Watt System

\$1.00/Lamp Installed

L863 T8 to 4ft 25 Watt System

\$1.50/Lamp Installed

Cold Cathode Lamps

Requirements:

- Must replace incandescent lamps that are greater than or equal to 10 Watts.
- Must have a Wattage level between 2 and 8 Watts and can be a screw-in lamp with either medium Edison or candelabra base.
- Must be rated for at least 18,000 average life hours.

Product Code

Incentive/Unit Measure

L1015 2-8 Watt Cold Cathode Lamps

\$4.00/lamp

Integrated Ballast Ceramic Metal Halide (CMH) PAR Lamps

Requirements:

- Only less than or equal to 25 Watts, integrated ballast, Ceramic Metal Halide PAR lamps with a rated lamp life of 12,000 hours or greater.
- Customers are responsible for determining if new lamps will fit in their existing equipment and for verifying that they work with the existing lighting controls.

Product Code

Incentive/Unit Measure

L984 <= 25 Watt Integrated Ballast CMH PAR Lamps

\$17.50/Lamp

Screw-In Compact Fluorescent 14 - 28 Watts, Reflector Lamps

Requirements:

- Screw-in Compact Fluorescent Reflector lamps, including induction and electrodeless Compact Fluorescent Reflector lamps must be listed as ENERGY STAR qualified. Visit www.energystar.gov for more information.

Product Code	Incentive/Unit Measure
L1005 Screw-in Compact Fluorescent, 14 - 28 Watts, Reflector Lamps	\$7.00/Lamp

Ceramic Metal Halide Directional Lighting Fixtures

Requirements:

- Only fixtures with a lamp wattage of less than or equal to 39 watts qualify.
- Customers are responsible for verifying that new lamps work with existing lighting controls.

Product Code	Incentive/Unit Measure
L1016 Ceramic Metal Halide Directional Lighting Fixtures	\$45.00/Fixture

ENERGY STAR Light Emitting Diode (LED) Surface Pendant and Recessed Down light

Requirements:

- Rebates are based on a one-for-one replacement of incandescent or halogen lamps ≥ 40 Watts.
- Only those fixtures with a fixture wattage of less than or equal to 15 Watts.
- All new LED down light module or fixtures must be ENERGY STAR qualified. Visit www.energystar.gov for more information.
- Customers are responsible for verifying that new fixtures work with existing lighting controls.

Product Code	Incentive/Unit Measure
L1006 ≥ 40 Watt basecase, ≤ 15 Watt replacement fixture	\$30.00/Fixture

Occupancy Sensors

Requirements:

- Only hardwired passive infrared and/or ultrasonic detectors that control interior lighting fixtures are eligible.
- Controlled wattage requirements, where applicable, are listed in Table 17.

Exclusions:

- Sensors for exterior installations do not qualify.

Application Process:

- Please be sure that the product qualifies under this category and not under the "Bi-Level Stairwell/Hall/Garage Fixture" category.

– New fixtures equipped with fixture-integrated sensors used in stairwells, halls, or garages sometimes qualify through the “Bi-Level Stairwell/Hall/Garage Fixtures” category and not the “Occupancy Sensor” category depending on specifications.

Additional Details:

- When used in conjunction with both T8 and T5 lamps, Program-Start ballasts are designed to provide maximum lamp life in frequent lamp starting applications such as in areas where occupancy sensor controls are used.
- When used in conjunction with T8 lamps, Instant Start electronic ballasts are the most popular type of electronic ballast today because they provide maximum energy savings and start lamps without delay.

Product Code	Incentive/Unit Measure
L82 Wall-box	\$20.00/Sensor
L859 Wall- or Ceiling-Mounted < 500	\$35.00/Sensor
L860 Wall- or Ceiling-Mounted ≥500 Watts	\$55.00/Sensor
L1037 Fixture-Integrated ≥= 150 Watts	\$40.00/Sensor
L1038 Fixture-Integrated < 150 Watts	\$15.00/Sensor

Exterior Photocells

Requirements:

- For built-in or stand-alone photoelectric cells that switch outdoor lights on at dusk and off at dawn.

Exclusions:

- Interior installations do not qualify.

Product Code	Incentive/Unit Measure
L36 Photocells (exterior)	\$11.00/Photocell

Time Clocks

Requirements:

- Must control on/off schedule of lighting equipment.
- Can be used for interior and exterior lighting.
- Must protect scheduled events from interruptions via 3-hour backup system during power outages.
- Astronomical time clocks (where on-off times are in accordance with sunrise and sunset) are required for outdoor lighting when a photocell is not in use.

Product Code

L31 Time Clocks

Incentive/Unit Measure

\$36.00/Time Clock

High Efficiency Exit Signs

Requirements:

- Only new, Light Emitting Diode (LED), Electroluminescent, or Photo luminescent signs that replace those with incandescent or Compact Fluorescent Lamps (CFL).
- Must meet UL-924 requirements (listed on product’s packaging) and local fire codes.
- Must have a usage level that is less than or equal to 5 watts.
- Must have a product warranty of five years.

Exclusions:

- Retrofit kits are not eligible.

Product Code

LA01 Exit Sign, Incandescent basecase

LA02 Exit Sign, CFL basecase

Incentive/Unit Measure

\$27.00/Sign

\$15.00/Sign

Refrigeration

- Medium temperature refers to refrigerated space temperatures between 1° F and 35° F.
- Low temperature refers to refrigerated space temperatures below 0° F.

Anti-Sweat Heater (ASH) Controls

Requirements:

- Customer must have electricity distributed by Pacific Gas and Electric Company (PG&E) to the installation address.
- 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.

Exclusions:

- Cannot be used in conjunction with the “New Refrigeration Display Case with Doors” measure.

Product Code

R7 Anti-Sweat Heater (ASH) Controls

Incentive/Unit Measure

\$25.00/Linear Foot

Auto-Closers for Walk-In Coolers or Freezer Doors

Requirements:

- Customer must have electricity distributed by PG&E to the installation address.
- Must be applied to the main insulated door of a walk-in cooler or freezer.
- Must be able to firmly close the door when it is within one inch of full closure.

Product Code

Incentive/Unit Measure

R79 Auto-Closers for Main Cooler Doors

\$75.00/Closer

R80 Auto-Closers for Main Freezer Doors

\$75.00/Closer

Door Gaskets on Reach-In Doors

Requirements:

- Customer must have electricity distributed by PG&E to the installation address.
- Must replace a worn gasket on the reach-in door of a cooler or freezer.
- Replacement gaskets must meet the manufacturer's installation specifications (specifically regarding dimensions, materials, attachment method, style, compression and magnetism).

Exclusions:

- Not available for replacement of existing gaskets that have useful life left (four years since last purchased).

Additional Details:

- Rebate is based on linear footage of door perimeter.

Product Code

Incentive/Unit Measure

R89 Door Gaskets on Glass Doors

\$3.50/Linear Foot

Door Gaskets on Main Walk-In Doors

Requirements:

- Customer must have electricity distributed by PG&E to the installation address.
- Must replace a worn gasket on the insulated main door of a walk-in cooler or freezer.
- Replacement gaskets must meet the manufacturer's installation specifications (specifically regarding dimensions, materials, attachment method, style, compression, and magnetism).

Exclusions:

- Not available for replacement of existing gaskets that have useful life left (four years since last purchased).

Additional Details:

- Rebate is based on linear footage of door perimeter.

Product Code

R50 Door Gaskets on Solid Doors

Incentive/Unit Measure

\$3.50/Linear Foot

Efficient Evaporative Fan Motor

Requirements:

- Customer must have electricity distributed by PG&E to the installation address.
- Must replace existing shaded-pole evaporator fan motors of standard efficiency in refrigerated display cases and walk-in coolers.
- Shaded-pole motors must be replaced by Electronically Commutated Motors (ECM).

Exclusions:

- Cannot be used in conjunction with the “Evaporative Fan Controller for Walk-In Coolers and Freezers” measure.

Product Code

R145 Efficient Evaporator Fan Motor- ECM Display Case
R176 Efficient Evaporator Fan Motor- ECM Walk-In

Incentive/Unit Measure

\$35.00/Motor
\$50.00/Motor

Evaporative Fan Controller for Walk-In Coolers and Freezers

Requirements:

- Customer must have electricity distributed by PG&E to the installation address.
- Must reduce the airflow of evaporator fans in walk-in coolers and freezers when the compressor(s) cycle off and no refrigerant flows through the evaporator.
- Must manage a minimum fan load of 1/20 horsepower when the fan(s) operate continuously at full speed.
- Must reduce fan motor power by at least 75% when the compressor(s) cycle off.

Exclusions:

Do not install if any of the following conditions apply:

1. The compressor runs all the time with high duty cycle;
2. The evaporator fan does not run at full speed all the time;
3. The evaporator fan motor runs on poly-phase power;
4. The evaporator fan motor is not shaded-pole; or
5. Evaporator does not use off-cycle or time-off to defrost.

Product Code

Incentive/Unit Measure

R53 Evaporator Fan Controller for Walk-In Coolers and Freezers

\$75.00/Controller

New High Efficiency Refrigeration Display Cases with Special Doors

(Low Temperature)

Requirements:

- Customer must have electricity distributed by PG&E to the installation address.
- Must replace an existing low temperature self-contained or remote reach-in case with a new high efficiency remote reach-in case as described in Table 1.
- New case length must be equal to, or shorter than, the original case.
- This measure is for remote cases only.

Exclusions:

- This measure cannot be used in conjunction with the “Anti-Sweat Heater (ASH) Controls” measure.
- Deli cases, custom coolers/freezers and walk-in boxes with reach-in doors do not qualify.

Additional Details:

Rebate is based on linear footage of new display case.

Existing Case Must Have:	New Case Must Have:
T-12 lamps, magnetic ballast.	T-8 lamps, electronic ballast.
Shaded-pole fan motor.	Electronically Commutated Motors (ECM) Fan Motor.
Standard glass doors.	Low/No anti-sweat glass double pane doors meeting the requirements of “Special Doors with Low/No Anti-Sweat Heat on Low temperature Display Cases” measure.

Product Code

Incentive/Unit Measure

R87 New High Efficiency Refrigeration Display Cases with Special Doors (Low Temperature) \$75.00/Linear Foot

New Refrigeration Display Cases with Doors

Requirements:

- Customer must have electricity distributed by PG&E to the installation address.
- Must replace an existing, open, multi-deck, display case with a new, high efficiency, reach-in unit with standard glass doors with an Electronically Commutated Motor (ECM) fan, T-8 lamps and electronic ballast.
- New case length must be equal to, or shorter than, the original case.

- This measure is for remote cases only.

Exclusions:

- Deli cases, custom coolers/freezers and walk-in boxes with reach-in doors do not qualify.

Product Code	Incentive/Unit Measure
R4 New Refrigeration Display Case with Doors (Low Temperature)	\$175.00/Linear Foot
R5 New Refrigeration Display Case with Doors (Medium Temperature)	\$75.00/Linear Foot

Night Covers for Open Vertical and Horizontal Display Cases

Requirements:

- Customer must have electricity distributed by PG&E to the installation address.
- Must install a cover on an otherwise open display case to decrease cooling load of the refrigerated case during off hours.
- It is recommended that these film-type covers have small, perforated holes to decrease moisture buildup.
- Case manufacturer must not object to the use of this measure.

Installation Process:

- Customer should consider using proper compressor capacity modulation mechanisms [such as Variable Speed Drive (VSD) or cylinder un-loader], Evaporator Pressure Regulators (EPR) and possibly resetting to higher suction temperatures when covers are applied.
- The cover must be applied for a period of at least six hours.

Additional Details:

- Rebate is based on linear footage of the installed night cover.

Product Code	Incentive/Unit Measure
R1 Night Covers for Display Cases (Low Temperature Case)	\$3.50/Linear Foot
R74 Night Covers for Display Cases (Medium Temperature Case)	\$3.50/Linear Foot

Special Doors with Low/No Anti-Sweat Heat on Low Temperature Display Cases

Requirements:

- Customer must have electricity distributed by PG&E to the installation address.
- Must replace an existing, standard glass door of a low temperature, reach-in display case with a special glass door that requires minimum to no anti-sweat heat.
- New doors must prevent condensation within the frame assembly.

Exclusions:

- Total door rail, glass and frame heater amperage (at 120 volts) cannot exceed 0.925 amps per door.
- This measure cannot be used in conjunction with the “Anti-Sweat Heater (ASH) Controls” measure.

Product Code

Incentive/Unit Measure

R6 Special Doors with Low/No Anti-Sweat Heat on
Low Temperature Display Cases

\$100.00/Door

Strip Curtains

Requirements:

- Customer must have electricity distributed by PG&E to the installation address.
- New strip curtains or plastic swinging doors must be installed on doorways of refrigerated spaces (conditioned to less than 50° F).

Exclusions:

- Not available for replacement of existing strip curtains that have useful life left (four years since last purchased).

Additional Details:

- Rebate is based on the square footage of the doorway.

Product Code

Incentive/Unit Measure

R2 Strip Curtains for Walk-In Boxes

\$3.00/Square Foot

Vending Machine Controller

Requirements:

- Customer must have electricity distributed by PG&E to the installation address.
- For refrigerated vending machines containing only non-perishable bottled and canned beverages.
- Installed controller must include a passive infrared occupancy sensor to turn off fluorescent lights and compressor when surrounding area is unoccupied for 15 minutes or longer.
- Refurbished vending machines that include this option are eligible.

Installation Process:

- Control logic should periodically power-up machine at two-hour intervals to maintain product temperature.

Product Code

R86 Vending Machine Controller

Incentive/Unit Measure

\$100.00/Controller

Insulation for Bare Suction Lines

Requirements:

- Customer must have electricity distributed by PG&E to the installation address.
- Must insulate bare refrigeration suction lines of 1-5/8 inches in diameter or less on existing equipment only.
- Medium temperature lines require 3/4 inch of flexible, closed-cell, nitrite rubber or an equivalent insulation.
- Low temperature lines require 1-inch of insulation that is in compliance with the specifications above.
- Insulation exposed to the outdoors must be protected from the weather (i.e. jacketed with a medium-gauge aluminum jacket).

Additional Details:

- Rebate is based on the linear footage of the installed insulation.

Product Code

R11 Insulation for Bare Suction Lines

Incentive/Unit Measure

\$2.00/Linear Foot

Customized Savings

Energy efficiency measures that are not shown in the Energy Efficiency Measure List Catalog are eligible for incentives where measurable energy savings above Title 24 requirements or generally accepted industry standards can be documented. Energy savings calculation for customized measures must be approved by PG&E in order to qualify and incentive payments will be calculated according to the following:

Measure Type

Lighting	\$0.05/kWh
AC&R I	\$0.15/kWh
AC&R II	\$0.09/kWh
Other	\$0.09/kWh
Natural Gas	\$1.00/Therm
All Measures	\$100.00/Peak KW

The Nonresidential Retrofit – Demand Response (NRR-DR) program offers cash incentive payments for business energy efficiency projects involving the installation of high-efficiency equipment or systems. A project may consist of the retrofit of existing equipment/systems associated with same or increased load. The program is open to projects involving commercial, industrial and agricultural Customers.

Calculated Measures are paid based on the quantity of kWh or Therm savings resulting from installation of the high efficiency equipment or system. This value is calculated by RSG and submitted to the Utility Administrator for review. Incentives are paid on the energy savings above and beyond minimum federal- and state-mandated energy efficiency performance. If there are no government standards for a particular measure, current industry practices are used to establish baseline performance.

Applicants are eligible to receive up to 50 percent of the total project costs for Calculated Measures, not to exceed a Customer Project Site cap of \$3,780,000.

Program Specific Measures

Glycol Pump Motor with a VFD

Requirements:

- Customer must have electricity distributed by PG&E to the installation address.
- This measure involves the early retirement or replacement of a standard efficiency motor, with a NEMA Premium Efficiency rated motor and installation of a Variable Speed Drive (VFD).
- Motors that are used for fan, pumping and conveyance applications as defined in Table 1 below, are based on California’s Title 24 and the National Electric Manufactures Association (NEMA), minimum efficiency requirements.

Table 1: Minimum Nominal Full-Load Motor Efficiency for Single Speed Poly-Phase Motors

Number of Poles	2	4	6	8	2	4	6	8
Synchro-nous Speed	3600	1800	1200	900	3600	1800	1200	900
Motor HP	Open Motors				Enclosed			
3.0	84.0	86.5	86.5	86.5	85.5	87.5	87.5	84.0
5.0	85.5	87.5	87.5	87.5	87.5	87.5	87.5	85.5
7.5	87.5	88.5	88.5	88.5	88.5	89.5	89.5	85.5
10.0	88.5	89.5	90.2	89.5	89.5	89.5	89.5	88.5
15.0	89.5	91.0	90.2	89.5	90.2	91.0	90.2	88.5
20.0	90.2	91.0	91.0	90.2	90.2	91.0	90.2	89.5
25.0	91.0	91.7	91.7	90.2	91.0	92.4	91.7	89.5

Additional Details:

- The installed motors must exceed the efficiencies based on horsepower as outlined in the table above. **These measures are only applicable to industrial refrigeration applications in the Wine Industries Efficiency Solutions, and Dairies Industry Resource Advantage Programs.**

Product Code

MAB Glycol pump VFD with Higher motor efficiency upgrade- 3HP
 MAC Glycol pump VFD with Higher motor efficiency upgrade- 5HP

Incentive/Unit Measure

\$600.00/Motor-VFD
 \$850.00/Motor-VFD

MAD Glycol pump VFD with Higher motor efficiency upgrade- 7.5HP	\$1,400.00/Motor-VFD
MAE Glycol pump VFD with Higher motor efficiency upgrade- 10HP	\$1,850.00/Motor-VFD
MAF Glycol pump VFD with Higher motor efficiency upgrade- 15HP	\$2,750.00/Motor-VFD
MAG Glycol pump VFD with Higher motor efficiency upgrade- 20HP	\$3,500.00/Motor-VFD
MAH Glycol pump VFD with Higher motor efficiency upgrade- 25HP	\$4,200.00/Motor-VFD

Glycol Pump Motor VFD

Requirements:

- Customer must have electricity distributed by PG&E to the installation address.
- This measure involves the installation of a Variable Speed Drive (VFD) on an existing standard efficiency glycol pump motor.
- Rebates are based on the motor horsepower

Additional Details:

- These measures are only applicable to industrial refrigeration applications in the Wine Industries Efficiency Solutions, and Dairies Industry Resource Advantage Programs.

Product Code

Incentive/Unit Measure

MA4 Glycol pump VFD with Higher motor efficiency upgrade- 3HP	\$500.00/VFD
MA5 Glycol pump VFD with Higher motor efficiency upgrade- 5HP	\$750.00/VFD
MA6 Glycol pump VFD with Higher motor efficiency upgrade- 7.5HP	\$1,250.00/VFD
MA7 Glycol pump VFD with Higher motor efficiency upgrade- 10HP	\$1,750.00/VFD
MA8 Glycol pump VFD with Higher motor efficiency upgrade- 15HP	\$2,500.00/VFD
MA9 Glycol pump VFD with Higher motor efficiency upgrade- 20HP	\$3,250.00/VFD
MAA Glycol pump VFD with Higher motor efficiency upgrade- 25HP	\$4,000.00/VFD

Cold Glycol Pipe Insulation

Requirements:

- Customer must have electricity distributed by PG&E to the installation address.
- This measure requires that there be no existing pipe insulation or existing pipe insulation has reached the end of its effective useful life.
- Pipe must be between 1" and 8" in diameter.
- Installed pipe insulation must meet a minimum thickness of ¾ inches and have a minimum k-factor of .195.

Additional Details:

- Rebate is based on the linear footage of the installed insulation for both indoor and outdoor cold glycol piping.

These measures are only applicable to industrial refrigeration applications in the Wine Industries Efficiency Solutions, and Dairies Industry Resource Advantage Programs

Product Code

Incentive/Unit Measure

MBX Cold Glycol Pipe Insulation- Indoor
MBX Cold Glycol Pipe Insulation- Outdoor

\$1.40/Linear Foot
\$3.60/Linear Foot

Glycol Tank Insulation

Requirements:

- Customer must have electricity distributed by PG&E to the installation address.
- This measure requires that there be no existing tank insulation or existing tank insulation has reached the end of its effective useful life.
- Installed tank insulation must meet a minimum thickness of ¾ inches and have a minimum k-factor of .27.

Additional Details:

- Rebate is based on the square footage of the installed insulation for both indoor and outdoor glycol tanks.

These measures are only applicable to industrial refrigeration applications in the Wine Industries Efficiency Solutions, and Dairies Industry Resource Advantage Programs

Product Code

Incentive/Unit Measure

MBZ Glycol Tank Insulation- Indoor
MC0 Glycol Tank Insulation- Outdoor

\$.75/Square Foot
\$1.75/Square Foot

Pool Pump VFD

Requirements:

- Customer must have electricity distributed by PG&E to the installation address.
- This measure involves the installation of a Variable Speed Drive (VFD) on an existing constant speed pool pump. The pump VFD controls must maintain a constant flow that does not exceed the minimum health code requirements during occupied hours, and be programmed to set the flow to the minimum level required in order to operate equipment and maintain water quality during unoccupied periods.
- This measure is regulated by California Title 24 Section 114(b)3(ii) outlined below:
 - “A time switch or similar control mechanism shall be installed as part of the pool water circulation control system that will allow all pumps to be set or programmed to run only during the off-peak electric demand period, and for the minimum time necessary to maintain the water in the condition required by applicable public health standards.”
- Rebates are based on a VFD installed per pump basis, Tiered based on pump horsepower.

Additional Details:

These measures are only applicable to commercial pool applications in the Schools Energy Efficiency Program.

Product Code	Incentive/Unit Measure
P117 Pool pump VFD - 5HP	\$3,000.00/Pump VFD
P118 Pool pump VFD - 7.5HP	\$3,500.00/ Pump VFD
P119 Pool pump VFD - 10HP	\$4,000.00/ Pump VFD
P120 Pool pump VFD - 15HP	\$4,750.00/ Pump VFD
P121 Pool pump VFD - 20HP	\$5,500.00/ Pump VFD
P122 Pool pump VFD - 25HP	\$6,500.00/ Pump VFD
P123 Pool pump VFD - 30HP	\$7,500.00/ Pump VFD
P124 Pool pump VFD - 40HP	\$9,000.00/ Pump VFD
P125 Pool pump VFD - 50HP	\$10,500.00/ Pump VFD
P126 Pool pump VFD - 60HP	\$12,000.00/ Pump VFD

Outdoor Pool Covers

Requirements:

- This measure is for outdoor pools only that currently do not have a cover or the pool cover has reached the end of its useful life.
- Pools that are <=10,999 Square Feet are not required to purchase a power winder, however if purchased may qualify for a higher rebate.
- Pools that are > 11,000 Square Feet are required to purchase a power winder and qualify for higher rebate level.

Additional Details:

These measures are only applicable to commercial pool applications in the Schools Energy Efficiency Program.

Product Code	Incentive/Unit Measure
P115 Pool cover without a power winder	\$1.50/Square Foot
P115 Pool cover with a power winder	\$1.85/Square Foot

Agricultural Ventilation Fans

Requirements:

- Customer must have electricity distributed by PG&E to the installation address.
- This measure involves replacing an existing standard efficiency Ventilation fan with a higher efficiency fan. See minimum efficiencies below.

- Fans must meet or exceed the minimum efficiencies outlined below

Fan Sizes	CFM/Watt Minimum Ventilation fans (1)
12"-14"	8
16"-18"	9.8
24"	14
30"	16.4
36"	20.4
48"	21.9
50"-60"	23

Additional Details:

These measures are only applicable to Agricultural applications in the Dairies Industry Resource Advantage Program.

Product Code

Incentive/Unit Measure

H747 12 inch to 14 inch Ventilation fan	\$50.00/Fan
H748 16 inch to 18 inch Ventilation fan	\$75.00/Fan
H749 24 inch Ventilation fan	\$150.00/Fan
H750 30 inch Ventilation fan	\$175.00/Fan
H751 36 inch Ventilation fan	\$200.00/Fan
H752 48 inch Ventilation fan	\$250.00/Fan
H753 50 inch to 60 inch Ventilation fan	\$300.00/Fan

High Bay Linear Fluorescent Fixtures with Extended Hours

Requirements:

- Only complete, new High Performance (HP) T8/T5, Super T8, T8 VHO, or T5 HO interior linear fluorescent fixtures qualify.
- New fixtures must not exceed the maximum "New Fixture Wattage" listed in Table 2 for each range of lamp wattage being replaced. New fixture wattage is the total system wattage (Lamp and Ballast).
- Rebates are based on a one-for-one replacement of Incandescent or High Bay high intensity discharge (HID) fixtures including, mercury vapor, high pressure sodium, and standard metal halide or pulse start metal halide. Existing lamp wattage is used rather than total fixture wattage (i.e. a 250 Watt high pressure sodium fixture is a 250 Watt base case and qualifies under the L3J rebate code)..
- In all cases, the wattage of the replacement fixture must be less than the wattage of the existing lamp.
- All 32 Watt T8 lamps must be HP T8 or Super T8 lamps and listed on the qualified HP T8 lamp list at www.cce1.org.
- All lamps must be rated $\geq 20,000$ hours average rated lamp life based on 3 hours per start when operated on a Program Start Ballasts.

- T5 HO and T8 VHO lamps must have Color Rendering Index (CRI) that is equal to or greater than 82.
- All T8 ballasts must be NEMA premium or designated HP electronic ballast listed on www.cce1.org, T5 HO and T8 VHO must be Program Rapid Start ballasts.

Exclusions:

- Existing fluorescent lamps < 60 Watts, being replaced by a new fixture, must use the “High Performance T8 or T5 Linear Fluorescent Lamps with Electronic Ballasts” category (L1019 or L1020).
- Exterior installations do not qualify.
- Not eligible for additional rebates under the “Compact Fluorescent Fixtures” and “High Performance T8 or T5 Linear Fluorescent Lamps with Electronic Ballasts” categories.
- Other fixture configurations may be considered under our Customized Retrofit Incentive Program.

Additional Details:

- May qualify for an additional control(s) rebate through the “Occupancy Sensors” category, provided all requirements are met. T8 and T5: Program-Start ballasts are designed to provide maximum lamp life in frequent lamp starting applications such as in areas where occupancy sensor controls are used. T8 Only: Instant Start electronic ballasts are the most popular type of electronic ballast today because they provide maximum energy savings and start lamps without delay.

These measures are only applicable to industrial application in the Wine Industries Efficiency Solutions and the Dairies Industry Resource Advantage programs.

Product Code	Incentive/Unit Measure
L3D High bay linear fluorescent fixture <=128W, 101-175W Basecase, >= 3500 Hours	\$35.00/Fixture
L3E High bay linear fluorescent fixture <=128W, 101-175W Basecase, >= 4000 Hours	\$35.00/Fixture
L3F High bay linear fluorescent fixture <=128W, 101-175W Basecase, >= 4500 Hours	\$35.00/Fixture
L3J High bay linear fluorescent fixture <=192W, 176-399W Basecase, >= 3500 Hours	\$50.00/Fixture
L3K High bay linear fluorescent fixture <=192W, 176-399W Basecase, >= 4000 Hours	\$50.00/Fixture
L3L High bay linear fluorescent fixture <=192W, 176-399W Basecase, >= 4500 Hours	\$50.00/Fixture
L3P High bay linear fluorescent fixture <=244W, 400W Basecase, >= 3500 Hours	\$100.00/Fixture
L3Q High bay linear fluorescent fixture <=244W, 400W Basecase, >= 4000 Hours	\$100.00/Fixture
L3R High bay linear fluorescent fixture <=244W, 400W Basecase, >= 4500 Hours	\$100.00/Fixture