



**SOC / ess**  
CA ENERGY STRATEGY AND SUPPORT

# Statewide State of California Energy Strategy and Support (SOC ESS) Program

## Rebate Catalog



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## Terms and Conditions

1. To be eligible for a rebate in accordance with this application, I must be a customer of a qualifying investor-owned utility (PG&E, SCE, SDG&E, SoCalGas) with an active meter and be installing a qualified product(s). All references to the term "install, installation or similar phrases" shall mean that the product is completely installed and is entirely functional and operational.
2. I understand for each product installed the requirement is to identify each Service ID# (or meter number) on the "Rebate Product Information." I also agree to provide the Servicing IOU with 100 percent of the energy savings for the rated life of the product(s) or for a period of five years from receipt of rebate, whichever is less. If I do not provide the energy savings or if I cease to be a customer of the Servicing IOU during the five years, I shall refund a prorated amount of rebate dollars based on the time installed.
3. I understand the rebate is determined by the date the application is received. I understand in order to receive a rebate, I must submit (postmark or submit online) my application within 60 Days from purchase date, installation date, or account establishment date (SAID/Meter activated) whichever is latest. Products purchased and installed in adherence to these terms are eligible for a rebate, provided rebate funding is still available. Funding is available on a first-come, first-served basis.
4. Rebate offerings and rebate amounts may change without notice during the Term. Resale products, rebuilt, rented or leased less than five years, received from warranty or insurance claims, exchanged, won as a prize, or new parts installed in existing products, do not qualify for any rebate. The terms and the application requirements may be modified or terminated without prior notice. Complete applications must be postmarked and received by SOC ESS Staff within 60 Days from installation date, purchase date, or account establishment date (SAID/Meter activated), whichever is later.
5. I understand only complete applications can be processed for rebates. Failure to submit a complete application may result in delay or rejection of a filed application. Complete applications must include all required application information, a signature, proof(s) of purchase and other required documentation for all products as referenced in this application. Original applications will become the property of AESC and PG&E. AESC and PG&E are not responsible for items lost or destroyed in transit through the mail or electronic medium.
6. HVAC AND LIGHTING CONTROL WORKFORCE STANDARD QUALIFICATION REQUIREMENTS. To be eligible for an incentive for non-residential heating, ventilation, and air conditioning (HVAC) measure exceeding \$3,000 and/or for lighting control (LC) measure exceeding \$2,000, prior to these measures being installed, modified or maintained, each technician rendering such work is required to provide their applicable qualification documentation for (1) HVAC Measure Installation Qualification the person doing the work must have at least one of the following criteria: (a) Completed an accredited HVAC apprenticeship. (b) Is enrolled in an accredited HVAC apprenticeship. (c) Completed at least five years of work experience at the journey level according to the Department of Industrial Relations definition, Title 8, Section 205, of the California Code of Regulations, passed a practical and written HVAC system installation competency test, and received credentialed training specific to the installation of the technology being installed. (d) Has a C-20 HVAC contractor license issued by the California Contractor's State Licensing Board; and for (2) LC measures the person doing the work must produce an installer certification from the California Advanced Lighting Controls Training Program.
7. I will allow, if requested, a representative from AESC, PG&E, the CPUC, or any authorized third party reasonable access to my property to verify the installed product before a rebate is paid. I understand a rebate will not be paid if I refuse to participate in any required verification that is scheduled within 30 days of PG&E contacting me. PG&E may contact the product vendor and/ or installer, if needed, to verify purchase and/or installation and may provide my name and/or address to third parties to complete this verification.
8. I certify that I have installed product(s) in accordance with all applicable federal, state, and local laws, building codes, manufacturer's specifications, and permitting requirements. If a contractor performed the installation or improvement, the contractor holds the appropriate license for the work performed.
9. I understand the rebate amount cannot exceed the purchase price of the product, nor can it include taxes or shipping costs. AESC and PG&E reserves the right to limit the number of products rebated.
10. I understand I cannot receive a rebate for the same product(s) from more than one California investor-owned utility or other rebates funded through CPUC authorized energy efficiency funds. Products discounted by Utilities at the point of sale are not eligible for additional rebates.
11. AESC and PG&E MAKES NO REPRESENTATION OR WARRANTY, AND ASSUMES NO LIABILITY WITH RESPECT TO QUALITY, SAFETY, PERFORMANCE, OR OTHER ASPECT OF ANY DESIGN, SYSTEM PRODUCT OR APPLIANCE INSTALLED PURSUANT TO THIS AGREEMENT, AND EXPRESSLY DISCLAIMS ANY SUCH REPRESENTATION, WARRANTY OR LIABILITY. I AGREE TO INDEMNIFY PG&E, ITS AFFILIATES, SUBSIDIARIES, PARENT COMPANY, OFFICERS, DIRECTORS, AGENTS, AND EMPLOYEES AGAINST ALL LOSS, DAMAGE, EXPENSE, FEES, COSTS AND LIABILITY ARISING FROM ANY CLAIMS RELATED TO ANY PRODUCTS INSTALLED OR SERVICES PERFORMED DURING THE INSTALLATION OR MAINTENANCE OF SUCH PRODUCTS.
12. If I am a tenant, I am responsible for obtaining the property owner's permission to install product(s) for which I am applying for a rebate. My signature on this application indicates I have obtained this permission.
13. CPUC Authority: These Terms and Conditions can be modified at any time in accordance with any directive of the CPUC and regulation of PG&E. Any information, results and reports regarding this Agreement and Customer's Project shall be made available to the CPUC





# HVAC

## Demand Control Ventilation for Single Zone HVAC

Measure Code	Measure Description	Rebate/Unit	Unit Definition
HV027	Demand Control Ventilation for Single Zone HVAC, Add DCV and CO2 Sensor, DX Furnace with ADEC	\$40.00	CAP- TONS
HV031	Demand Control Ventilation for Single Zone HVAC, Add DCV and CO2 Sensor, Heat Pump with ADEC	\$40.00	CAP- TONS
HV029	Demand Control Ventilation for Single Zone HVAC, Add CO2 sensor to AC only unit with ADEC	\$40.00	CAP- TONS
HV026	Demand Control Ventilation for Single Zone HVAC, Add DCV, ADEC and CO2 Sensor, DX Furnace	\$50.00	CAP- TONS
HV030	Demand Control Ventilation for Single Zone HVAC, Add DCV, ADEC and CO2 Sensor, Heat Pump	\$50.00	CAP- TONS
HV028	Demand Control Ventilation for Single Zone HVAC, Add DCV, ADEC and CO2 Sensor, DX only	\$50.00	CAP- TONS

### Measure Type

Add-On Equipment

### Eligible Building Types

Assembly, Hospital, Nursing Home, Office Small, Manufacturing BioTech, Education Relocatable Classroom

### Eligible Products

The existing system must be packaged single zone DX cooling unit with gas heat, cooling only unit, or heat pump.

The existing system must ventilate continuously during occupied hours and may not have any other device previously installed that is intended to perform DCV such as an occupancy sensor that controls ventilation rate.

The measure shall only be applied where it will result in a reduction to the overall ventilation that is supplied for the space.

The existing system must have an operable airside economizer installed, and economizer high limit must be optimized for the climate per Title 24 2016 Table 140.4-B, adapted in the table below for reference.





DEVICE TYPE	CLIMATE ZONES	ECONOMIZER HIGH LIMIT EQUATION (ECONOMIZER OFF WHEN ...)
Fixed Dry Bulb	1, 3, 5, 11-16	Toa > 75 °F
	2, 4, 10	Toa > 73 °F
	6, 8, 9	Toa > 71 °F
	7	Toa > 69 °F
Differential Dry Bulb	1, 3, 5, 11-16	Toa > Tra °F
	2, 4, 10	Toa > Tra-2 °F
	6, 8, 9	Toa > Tra-4 °F
	7	Toa > Tra-6 °F
Fixed Enthalpy + Fixed Dry Bulb	All	HoA > 28 Btu/lb or Toa > 75 °F

*Adapted from Title 24 2016 Table 140.4-B.*

### Verification Requirements

The table below provides data required for calculation of energy savings estimates and incentives, and verification of installation and setup requirements.

### Required Data

REQUIRED DATA	ELIGIBLE VALUES
Actual or proxy building type	See Eligible Building Types below
Unit type	Packaged single zone DX - cooling unit with gas heat, cooling only unit, or heat pump
Nominal cooling capacity	Any
As-found minimum ventilation position	>0% open
As-found occupied fan operation	Continuous/ON
As-left minimum ventilation position	Less than as-found position
Sensor location	Wall in zone or return duct
CO <sub>2</sub> concentration high limit	1,000 ppm without direct measurement of outdoor air concentration or dynamically adjusted to 600 ppm above measured outdoor air concentration

Equipment used for the measure must meet the following qualifications for rebate eligibility. The requirements below draw on Title 24 2016 §120.1(a)4 requirements for DCV, although they deviate slightly in some respects since the application of retrofit controls on a packaged unit is





not considered a code-triggering event. One primary deviation from Title 24 2016 requirements is that a return air duct-mounted CO2 sensor is allowed whereas Title 24 2016 specifies that the sensor must be mounted in the zone and include a display. This allows for the measure to be installed more easily when site conditions or operational constraints are physically or cost-prohibitive to installation of a sensor in the zone.

1. To be eligible for CO2 sensor-only rebate existing economizer control must be a digital type control and must have the capability to control the damper in response to a CO2 sensor signal.
2. To be eligible for ADEC with CO2 sensor rebate a program-qualifying ADEC or Enhanced Ventilation controller must be installed in addition to the CO2 sensor. See bullet above for qualifying ADEC specification.
3. For each system with demand control ventilation, CO2 sensors shall be installed in each room with no less than one sensor per 10,000 ft<sup>2</sup> of floor space. When a zone or a space is served by more than one sensor, signal from any sensor indicating that CO2 is near or at the setpoint within a space, shall trigger an increase in ventilation to the space.
4. Upon detection of sensor failure, the system shall provide a signal which resets to supply the minimum quantity of outside air to the level required if DCV were not installed.
5. CO2 sensors shall be certified by the manufacturer to be accurate within plus or minus 75 ppm at a 600 and 1,000 ppm concentration when measured at sea level and 25 °C, factory calibrated, and certified by the manufacturer to require calibration no more frequently than once every 5 years.





## Enhanced Ventilation for Packaged HVAC

Measure Code	Measure Description	Rebate/Unit	Unit Definition
HV054	Enhanced Ventilation for Packaged HVAC, Add VFD to an existing motor on an AC unit with gas heat and ADEC	\$80.00	CAP- TONS
HV055	Enhanced Ventilation for Packaged HVAC, Add a VFD and NEMA motor to an AC unit with gas heat and ADEC	\$120.00	CAP- TONS
HV056	Enhanced Ventilation for Packaged HVAC, AC unit with Gas Heat, Add VFD and PMM	\$130.00	CAP- TONS
HV057	Enhanced Ventilation for Packaged HVAC, Add VFD to an existing motor on an AC only unit with ADEC	\$80.00	CAP- TONS
HV058	Enhanced Ventilation for Packaged HVAC, Add a VFD and NEMA motor to an AC only unit with ADEC	\$120.00	CAP- TONS
HV059	Enhanced Ventilation for Packaged HVAC, Add a VFD and PMM to an AC only unit with ADEC	\$130.00	CAP- TONS
HV060	Enhanced Ventilation for Packaged HVAC, Heat Pump, Add VFD	\$80.00	CAP- TONS
HV061	Enhanced Ventilation for Packaged HVAC, Add a VFD and NEMA motor to a Heat pump with ADEC	\$120.00	CAP- TONS
HV062	Enhanced Ventilation for Packaged HVAC, Heat Pump, Add VFD and PMM	\$130.00	CAP- TONS
HV063	Enhanced Ventilation for Packaged HVAC, Add ADEC and VFD to an existing motor on an AC unit with gas heat	\$130.00	CAP- TONS
HV064	Enhanced Ventilation for Packaged HVAC, Add ADEC, VFD, and NEMA motor to an AC unit with gas heat	\$180.00	CAP- TONS
HV065	Enhanced Ventilation for Packaged HVAC, AC unit with Gas Heat, Add VFD, PMM, and ADEC	\$180.00	CAP- TONS
HV066	Enhanced Ventilation for Packaged HVAC, AC unit only, Add VFD and ADEC	\$130.00	CAP- TONS
HV067	Enhanced Ventilation for Packaged HVAC, Add ADEC, VFD, and NEMA motor to an AC only unit	\$180.00	CAP- TONS
HV068	Enhanced Ventilation for Packaged HVAC, AC unit only, Add VFD, PMM, and ADEC	\$180.00	CAP- TONS
HV069	Enhanced Ventilation for Packaged HVAC, Add ADEC and VFD to an existing motor on a Heat pump	\$130.00	CAP- TONS
HV070	Enhanced Ventilation for Packaged HVAC, Add ADEC, VFD, and NEMA motor to a Heat pump	\$180.00	CAP- TONS
HV071	Enhanced Ventilation for Packaged HVAC, Add ADEC, VFD, and PMM to a Heat pump	\$180.00	CAP- TONS





SA07	AC unit with Gas Heat, HVAC Enhanced Vent, CO2 Sensor, Add VFD and ADEC	\$155.00	CAP- TONS
SA08	AC unit with Gas Heat, HVAC Enhanced Vent, CO2 Sensor, Add VFD, NEMA, and ADEC	\$190.00	CAP- TONS
SA09	AC unit with Gas Heat, HVAC Enhanced Vent, CO2 Sensor, Add VFD, PMM, and ADEC	\$194.00	CAP- TONS
SA10	Heat Pump, HVAC Enhanced Vent, CO2 Sensor, Add VFD and ADEC	\$155.00	CAP- TONS
SA11	Heat Pump, HVAC Enhanced Vent, CO2 Sensor, Add VFD, NEMA, and ADEC	\$190.00	CAP- TONS
SA12	Heat Pump, HVAC Enhanced Vent, CO2 Sensor, Add VFD, PMM, and ADEC	\$194.00	CAP- TONS

### Measure Type

Add-On Equipment

### Eligible Building Types

This measure is applicable for all nonresidential buildings served by unitary direct expansion (DX) and split systems that do not serve process or refrigeration loads. The target market for this measure includes commercial buildings served by packaged single zone HVAC units, sometimes referred to as rooftop units (RTUs).

### Eligible Products

This measure requires field documentation of the existing conditions that verify the measure was necessary and that the measure was successfully applied.

This measure must replace existing equipment with the addition of controls for existing units.

Contractors and technicians that implement these measures must ensure that the existing unit does not already have these measures.

Implementation requires proper setup of the damper limits and fan speeds to provide ventilation in accordance with Title 24 2016 (see Code requirements). Total unit airflow must be verified for at least one of the fan speeds. The percentage of outdoor air must be verified for each of the unit operating modes, including heating and cooling for each stage as well as the ventilation only mode.

Terms and conditions are noted below.

- The existing system must be packaged single zone DX cooling unit with gas heat, cooling only unit, or heat pump.
- The existing system must have a constant volume supply fan.
- The existing system must have an operable airside economizer installed, and economizer high limit must be optimized for the climate per Title 24 2016 Table 140.4-B, adapted in the table below for reference.





- Maintenance, and repairs to economizer should be completed prior to or in conjunction with this measure.

Table 140.4-B Economizer High Limit Shut Off Control Requirements

DEVICE TYPE	CLIMATE ZONES	ECONOMIZER HIGH LIMIT EQUATION (ECONOMIZER OFF WHEN...)
Fixed Dry Bulb	1, 3, 5, 11-16	Toa > 75 °F
	2, 4, 10	Toa > 73 °F
	6, 8, 9	Toa > 71 °F
	7	Toa > 69 °F
Differential Dry Bulb	1, 3, 5, 11-16	Toa > Tra °F
	2, 4, 10	Toa > Tra-2 °F
	6, 8, 9	Toa > Tra-4 °F
	7	Toa > Tra-6 °F
Fixed Enthalpy + Fixed Dry Bulb	All	HoA > 28 Btu/lb or Toa > 75 °F

### Exclusions

This measure does not apply if the rooftop unit (RTU) has a fully operational and/or non-Snap Disc sensor and is adjusted to the appropriate changeover setpoint based on the number of thermostat stages available for cooling.

This measure does not apply if the unoccupied supply fan operation is already set to “Auto” or intermittent.





## VSD for HVAC Fan Controls, Commercial

Measure Code	Measure Description	Rebate/Unit	Unit Definition
H148	VSD on HVAC Fan Control	\$80.00	RATED-HP

### Measure Type

Add-On Equipment

### Eligible Building Types

Health/Medical – Hospital  
Health/Medical – Nursing Home  
Lodging – Hotel  
Office – Large

### Eligible Products

This measure requires the installation of a VSD and associated controls on a motor driving a ventilation fan. Eligibility requirements include:

- The fan must be  $\leq 100$  hp.
- As an add-on equipment installation, the VSD must be applied to the HVAC supply or return air system.
- Any other throttling devices, such as inlet vanes or bypass dampers, and throttling valves, must be removed or permanently disabled.

### Exclusions

Fans of size  $> 100$  hp are not eligible.

Replacement of multiple-speed or variable speed motors (VSM) are not eligible.

Variable frequency drives on cooling tower fans are not eligible.





## Software-Controlled Switch Reluctance Motor

Measure Code	Measure Description	Rebate/Unit	Unit Definition
HV652	Software-controlled switch reluctance motor	\$50.00	HP

### Measure Type

Normal Replacement

### Eligible Building Types

All

### Eligible Products

This measure must replace the existing 1 to 3 hp supply fan motor in a packaged HVAC system.

The new motor and controls must be UL Listed.

The installation of this measure shall meet all applicable regulations, including but not limited to the current California Building Energy Efficiency Standards (Title 24), federal code, and the National Electrical Code® (NEC).

### Exclusions

This measure is not eligible for supply fan motors rated < 1 hp and > 3 hp (nominal).

This measure is not eligible for other fans, such as the return fan or outdoor air fan of a packaged HVAC unit.





## Supply Fan Controls, Commercial

Measure Code	Measure Description	Rebate/Unit	Unit Definition
HV327	Supply Fan Controls, Commercial, Unoccupied Fan Control, AC Unit Only	\$3.00	CAP- TONS
HV326	Supply Fan Controls, Commercial, Unoccupied Fan Control, AC Unit with Gas Heat	\$3.00	CAP- TONS
HV328	Supply Fan Controls, Commercial, Unoccupied Fan Control, Heat Pump	\$3.00	CAP- TONS
HV329	Supply Fan Controls, Commercial, Unoccupied Fan Control, Variable Volume AC Unit with Gas Heat	\$3.00	CAP- TONS

### Measure Type

BRO-RCx

### Eligible Building Types

This measure is applicable for all nonresidential buildings served by unitary direct expansion (DX) and split systems that do not serve process load.

Measure offering HV328 excludes building type Warehouse - Refrigerated.

Measure offering HV329 excludes building type Assembly, Education - Relocatable Classroom, Manufacturing Light Industrial, Storage – Conditioned, Warehouse - Refrigerated

### Eligible Products

This measure requires field documentation of the existing conditions that verify the measure was necessary and that the measure was successfully applied.

Additional technician verification of thermostat wiring and the number of cooling stages that should be performed to ensure that the first stage of cooling is dedicated to economizer operation and two-stage thermostat operation is enabled where possible.

The controller changeover setpoint should be adjusted appropriately based on the available number of thermostat cooling stages.

Contractors and technicians that implement the measure must meet all certification and training requirements in accordance with program requirements.

Contractors and technicians that implement this measure must ensure that the existing unit does not already have the supply fan in automatic mode or switched OFF during unoccupied periods.



**Exclusions**

This measure does not apply if the rooftop unit (RTU) has a fully operational and/or non-Snap Disc sensor and is adjusted to the appropriate changeover setpoint based on the number of thermostat stages available for cooling.

This measure does not apply if the unoccupied supply fan operation is already set to “Auto” or intermittent.





## Cogged V-Belt for HVAC Fan, Commercial

Measure Code	Measure Description	Rebate/Unit	Unit Definition
HV400	Cogged V-Belt for HVAC Fans	\$0.25	CAP- TONS
HV401	Cogged V-Belt for HVAC Fans - New	\$0.25	CAP- TONS

### Measure Type

Normal Replacement

New Construction

### Eligible Building Types

Assembly

Health/Medical – Nursing Home

Office – Large

Office – Small

Education – Relocatable Classroom

Health/Medical – Hospital

Storage – Conditioned

Manufacturing - Bio/Tech

Manufacturing – Light Industrial

### Eligible Products

A cogged V-belt can be installed on supply air and return air fans in rooftop units that do not already have a cogged V-belt.

Only “A” and “B” V-belts, the two types typically used in rooftop units, are applicable for this measure.

### Exclusions

This measure is not applicable if the rooftop unit already has cogged V-belts.





## Space Heating Boiler, Commercial & Multifamily

Measure Code	Measure Description	Rebate/Unit	Unit Definition
HV587	Hot water boiler (300 - 2500 kBtu/hr, 94.0% TE, condensing, NonRes - OA reset from 115 to 140 deg F)	\$3.00	CAP-KBTUH
HV588	Hot water boiler (> 2500 kBtu/hr, 94.0% TE, condensing, NonRes - OA reset from 115 to 140 deg F)	\$2.00	CAP-KBTUH

### Measure Type

Normal Replacement

New Construction

### Eligible Building Types

Health/Medical - Hospital

Health/Medical - Nursing Home

Office - Large

Office - Small

### Eligible Products

The boiler must be used for space heating to induce human comfort, as defined by the California Appliance Efficiency Regulations (Title 20) and Building Energy Efficiency Standards (Title 24).

The boiler must meet efficiency and reset requirements based on input ratings and types shown in the Measure Case Description.

The installation address must have a commercial natural gas account with a California IOU.





## SERVICE

### Economizer Controls, Commercial

Measure Code	Measure Description	Rebate/Unit	Unit Definition
HV294	Economizer control replacement on AC unit with gas heat	\$10.00	CAP- TONS
HV295	Economizer control replacement on AC only units	\$10.00	CAP- TONS
HV296	Economizer control replacement on heat pump	\$10.00	CAP- TONS
HV297	Economizer control replacement on variable volume AC unit with gas heat	\$10.00	CAP- TONS

#### Measure Type

BRO-RCx

#### Eligible Building Types

This measure is applicable for all nonresidential buildings served by unitary direct expansion (DX) and split systems that do not serve process or refrigeration loads.

#### Eligible Products

This measure requires field documentation of the existing conditions that verify the measure was necessary and that the measure was successfully applied.

Additional technician verification of thermostat wiring and the number of cooling stages that should be performed to ensure that the first stage of cooling is dedicated to economizer operation and two-stage thermostat operation is enabled where possible.

The controller changeover setpoint should be adjusted appropriately based on the available number of thermostat cooling stages.

Contractors and technicians implementing the measure must meet all certification and training requirements in accordance with program requirements.

#### Exclusions

This measure does not apply if the rooftop unit (RTU) has a fully operational and/or non-Snap Disc sensor and is adjusted to the appropriate changeover setpoint based on the number of thermostat stages available for cooling.





# SERVICE AND DOMESTIC HOT WATER

## Laminar Flow Restrictor

Measure Code	Measure Description	Rebate/Unit	Unit Definition
BW032	0.5 GPM Flow Rate Laminar Flow Restrictor being installed on a 2.7 GPM Flow Rate Faucet Base Case	\$4.00	EACH
BW037	1.0 GPM Flow Rate Laminar Flow Restrictor being installed on a 2.7 GPM Flow Rate Faucet Base Case	\$4.00	EACH
BW038	1.5 GPM Flow Rate Laminar Flow Restrictor being installed on a 2.7 GPM Flow Rate Faucet Base Case	\$4.00	EACH

### Measure Type

Add-On Equipment

### Eligible Building Types

Eligible building types for this measure are health care facilities and/or medical buildings of any vintage that adhere to the Office of Statewide Health Planning and Development (OSHPD) regulations in the State of California that also utilize natural gas-powered water heating equipment. These facilities include (but are not limited to):

- Hospitals (large regional or local)
- Emergency rooms
- In-patient and outpatient facilities and medical office buildings connected to or free standing from main hospitals
- Doctor offices (e.g. general practitioners, pediatricians, optometrists, chiropractors, etc.)
- Clinics and nursing homes

### Eligible Products

Eligibility requirements for the laminar flow restrictor measure include:

- The device must be installed only in health care facilities that are subject to the Office of Statewide Health Planning and Development (OSHPD) code and regulation/inspection requirements.
- The device must meet the Office of Statewide Health Planning and Development (OSHPD) code and regulation.
- The LFR must be labeled as “Vandal Proof” or must not be removable without a proprietary tool, except for dialysis and scrub sink locations.





## Hot Water Pipe Insulation, Nonresidential

Measure Code	Measure Description	Rebate/Unit	Unit Definition
PR051	Pipe Insulation 1 inch Insulation <= 1 inch pipe <=15 psig steam, Outdoor	\$3.00	LEN-FT
PR052	Pipe Insulation 1 inch Insulation <= 1 inch pipe >15 psig steam, Outdoor	\$3.00	LEN-FT
PR053	Pipe Insulation 1 inch Insulation <= 1 inch pipe Hot Water, Outdoor	\$3.00	LEN-FT
PR054	Pipe Insulation 1 inch Insulation > 4 inch pipe <=15 psig steam, Outdoor	\$3.00	LEN-FT
PR055	Pipe Insulation 1 inch Insulation > 4 inch pipe >15 psig steam, Outdoor	\$3.00	LEN-FT
PR056	Pipe Insulation 1 inch Insulation > 4 inch pipe Hot Water, Outdoor	\$3.00	LEN-FT
PR057	Pipe Insulation 1 inch Insulation 1 inch < pipe <= 4 inch <=15 psig steam, Outdoor	\$3.00	LEN-FT
PR058	Pipe Insulation 1 inch Insulation 1 inch < pipe <= 4 inch >15 psig steam, Outdoor	\$3.00	LEN-FT
PR059	Pipe Insulation 1 inch Insulation 1 inch < pipe <= 4 inch Hot Water, Outdoor	\$3.00	LEN-FT
PR060	Pipe Insulation 1 inch Insulation <= 1 inch pipe <=15 psig steam, Indoor	\$3.00	LEN-FT
PR061	Pipe Insulation 1 inch Insulation <= 1 inch pipe >15 psig steam, Indoor	\$3.00	LEN-FT
PR062	Pipe Insulation 1 inch Insulation <= 1 inch pipe Hot Water, Indoor	\$3.00	LEN-FT
PR063	Pipe Insulation 1 inch Insulation > 4 inch pipe <=15 psig steam, Indoor	\$3.00	LEN-FT
PR064	Pipe Insulation 1 inch Insulation > 4 inch pipe >15 psig steam, Indoor	\$3.00	LEN-FT
PR065	Pipe Insulation 1 inch Insulation > 4 inch pipe Hot Water, Indoor	\$3.00	LEN-FT
PR066	Pipe Insulation 1 inch Insulation 1 inch < pipe <= 4 inch <=15 psig steam, Indoor	\$3.00	LEN-FT
PR067	Pipe Insulation 1 inch Insulation 1 inch < pipe <= 4 inch >15 psig steam, Indoor	\$3.00	LEN-FT
PR068	Pipe Insulation 1 inch Insulation 1 inch < pipe <= 4 inch Hot Water, Indoor	\$3.00	LEN-FT





PR069	Fitting Insulation <= 1 inch pipe <=15 psig steam, Indoor	\$3.00	EACH
PR070	Fitting Insulation <= 1 inch pipe >15 psig steam, Indoor	\$3.00	EACH
PR071	Fitting Insulation <= 1 inch pipe Hot Water, Indoor	\$3.00	EACH
PR072	Fitting Insulation > 4 inch pipe <=15 psig steam, Indoor	\$3.00	EACH
PR073	Fitting Insulation > 4 inch pipe >15 psig steam, Indoor	\$3.00	EACH
PR074	Fitting Insulation > 4 inch pipe Hot Water, Indoor	\$3.00	EACH
PR075	Fitting Insulation 1 inch < pipe <= 4 inch <=15 psig steam, Indoor	\$3.00	EACH
PR076	Fitting Insulation 1 inch < pipe <= 4 inch >15 psig steam, Indoor	\$3.00	EACH
PR077	Fitting Insulation 1 inch < pipe <= 4 inch Hot Water, Indoor	\$3.00	EACH
PR078	Fitting Insulation <= 1 inch pipe <=15 psig steam, Outdoor	\$3.00	EACH
PR079	Fitting Insulation <= 1 inch pipe >15 psig steam, Outdoor	\$3.00	EACH
PR080	Fitting Insulation <= 1 inch pipe Hot Water, Outdoor	\$3.00	EACH
PR081	Fitting Insulation > 4 inch pipe <=15 psig steam, Outdoor	\$3.00	EACH
PR082	Fitting Insulation > 4 inch pipe >15 psig steam, Outdoor	\$3.00	EACH
PR083	Fitting Insulation > 4 inch pipe Hot Water, Outdoor	\$3.00	EACH
PR084	Fitting insulation, 1 inch < pipe ≤ 4 inch, ≤ 15 psig steam, outdoor	\$3.00	EACH
PR085	Fitting insulation, 1 inch < pipe ≤ 4 inch, > 15 psig steam, outdoor	\$3.00	EACH
PR086	Fitting insulation, 1 inch < pipe ≤ 4 inch, hot water, outdoor	\$3.00	EACH

**Measure Type**

Add-On Equipment

**Eligible Building Types**

This measure is applicable to any existing commercial facility of any vintage.





## Eligible Products

Program eligibility requirements for hot water pipe insulation include:

- The pipe must transfer hot water, low-pressure steam, or medium-pressure steam directly from gas-fired equipment, and the fluid type must be indicated. If the fluid is steam, the pressure of the steam must also be indicated.
- The minimum qualifying pipe diameter is ½-inch.
- A minimum of one inch of pipe insulation must be added to existing bare commercial or industrial steel or copper pipe.
- Acceptable types of insulation for hot water pipes include elastomeric foam rubber, polyethylene foam, UV-resistant polyethylene foam, and rigid polyurethane foam.
- Acceptable types of insulation for steam pipes include silicone foam rubber, melamine foam, rigid urethane-based foam, cellular glass, rigid fiberglass, and rigid mineral wool.

Current data collection requirements include:

- The length of insulation to be installed with each pipe size must be indicated.
- The hours of operation must be indicated on the top of the application.
- The manufacturer specification sheet must be submitted with the application.

## Exclusions

The following conditions are excluded:

- This measure is not eligible for new construction applications.
- Insulation required by California Building Energy Efficiency Standards (Title 24) or employee safety laws (Occupational Safety and Health Administration, OSHA) is not eligible.
- Replacement of damaged (existing) insulation is not eligible.
- Residential steam pipe and fittings are not available.





## Boiler, Commercial

Measure Code	Measure Description	Rebate/Unit	Unit Definition
BW341	Boiler, Commercial, Small/Medium – Tier I (non-condensing) <200 kBtuh, >=0.84 UEF	\$0.50	KBTUH
DWHC1	Boiler, Commercial, Small/Medium – Tier II (condensing) <200 kBtuh, >=0.87 UEF	\$2.50	KBTUH
BW342	Boiler, Commercial, Large - Tier I (non-condensing) >=200 kBtuh, ≥0.84 TE or ≥0.86 CE	\$0.50	KBTUH
DWHC4	Boiler, Commercial, Large - Tier II (condensing) >=200 kBtuh, ≥0.90 TE or ≥0.92 CE	\$3.00	KBTUH
BW104	Boiler, Commercial, Large - Tier III (condensing) >=200 kBtuh, ≥0.96 TE or ≥0.98 CE	\$4.00	KBTUH

### Measure Type

Normal Replacement

### Eligible Building Types

This measure is applicable to any domestic hot water application in any existing commercial building of any vintage.

### Eligible Products

Boilers must meet the following eligibility requirements:

- Meet minimum qualifying efficiency ratings in the Measure Case Description and must comply with emission limits per air district, if applicable. Note that Tier 2 & 3 hot water heaters are condensing and often require flue modifications to handle the condensate.
- Only gas-for-gas replacement installations are eligible.
- Meet the definition of a tankless water heater, as defined by the California Energy Commission:
- Be used primarily for domestic hot water
- Provide hot water only when there is a hot water draw from the end use.
- Have an input rating of at least 4,000 Btu/hr/gal of stored water.

### Exclusions

This measure does not include water heaters or hot water boilers used for space conditioning, industrial (process) end-use applications, pools, or spas.

This measure cannot be used to supply hot water to a circulation loop without an intermediary hot water storage tank.





## Storage Water Heater, Commercial

Measure Code	Measure Description	Rebate/Unit	Unit Definition
BW297	Storage Water Heater, Commercial, Small - 40 Gallon (Medium Draw), $\leq 75$ kBtuh, $\geq 0.64$ UEF	\$3.00	KBTUH
BW299	Storage Water Heater, Commercial, Small - 50 Gallon (Medium Draw), $\leq 75$ kBtuh, $\geq 0.64$ UEF	\$2.00	KBTUH
BW294	Storage Water Heater, Commercial, Small - 30 Gallon (High Draw), $\leq 75$ kBtuh, $\geq 0.68$ UEF	\$3.00	KBTUH
BW296	Storage Water Heater, Commercial, Small - 40 Gallon (High Draw), $\leq 75$ kBtuh, $\geq 0.68$ UEF	\$6.00	KBTUH
BW298	Storage Water Heater, Commercial, Small - 50 Gallon (High Draw), $\leq 75$ kBtuh, $\geq 0.68$ UEF	\$5.00	KBTUH
BW300	Storage Water Heater, Commercial, Large - Tier 1, $> 75$ kBtuh, $\geq 0.83$ TE	\$2.00	KBTUH
HA18	Storage Water Heater, Commercial, Large - Tier 2, $> 75$ kBtuh, $\geq 0.90$ TE	\$8.00	KBTUH
BW109	Storage Water Heater, Commercial, Large - Tier 3, $> 75$ kBtuh, $\geq 0.96$ TE	\$8.00	KBTUH

### Measure Type

Normal Replacement

### Eligible Building Types

This measure is applicable for any existing commercial domestic (or “service”) hot water application in a nonresidential facility of any building type or vintage.

### Eligible Products

Eligible commercial storage water heaters must meet the following requirements:

- Meet minimum qualifying efficiency ratings in the Measure Case Description.
- For normal replacement installations, only gas-for-gas replacements are eligible.
- Meet the definition of a storage water heater, as defined by the California Energy Commission: be used primarily for domestic hot water and have an input rating of less than 4,000 Btu/hr/gal of stored water.

### Exclusions

Water heaters or hot water boilers used for space conditioning, industrial (process) end-use applications, pools, or spas are not eligible.





## Tankless Water Heater, Commercial

Measure Code	Measure Description	Rebate/Unit	Unit Definition
BW318	Tankless Water Heater, Commercial, Large Instantaneous Heaters, >200 kBtu/hr, 80% TE	\$0.50	CAP-KBTUH
BW105	Tankless Water Heater, Commercial, Large Instantaneous Heaters, >200 kBtu/hr, 90% TE	\$0.50	CAP-KBTUH

### Measure Type

Normal Replacement

### Eligible Building Types

This measure is applicable for any existing commercial domestic (or “service”) hot water application in a nonresidential facility of any building type or vintage.

### Eligible Products

Eligible commercial tankless water heaters must meet the following requirements:

- Meet or exceed the minimum qualifying efficiency ratings in the Measure Case Description.
- For normal replacement (NR) measure application type, only gas-for-gas replacements are eligible.
- Meet the definition of a tankless water heater, as defined by the California Energy Commission: be used primarily for domestic hot water, provide hot water only when there is a hot water draw from the end use, and have an input rating of at least 4,000 Btu/hr per gallon of stored water.

### Exclusions

This measure does not include water heaters or hot water boilers used for space conditioning, industrial (process) end-use applications, pools, or spas.

This measure cannot be used to supply hot water to a circulation loop without an intermediary hot water storage tank.





# REFRIGERATION

## Floating Head Pressure Controls, Multiplex

Measure Code	Measure Description	Rebate/Unit	Unit Definition
RF064	Floating saturated condensing temperature controls (air-cooled)	\$50.00	TON
RF065	Floating saturated condensing temperature controls VFD (air-cooled)	\$50.00	TON
R116	Floating saturated condensing temperature controls (evaporative-cooled)	\$50.00	TON
R123	Floating saturated condensing temperature controls VFD (evaporative-cooled)	\$50.00	TON

### Measure Type

Add-On Equipment

### Eligible Building Types

This measure is applicable to any existing non-residential building type in commercial and industrial sector, and the vintage categories listed below:

- Prior to 1978 (represented by typical year “1975”)
- 1978 through 1992 (“1985”)
- 1993 through 2001 (“1996”)
- 2002 through 2005 (“2003”)
- 2006 through 2009 (“2007”)
- 2010 through 2013 (“2011”)

### Eligible Products

The eligible measure offerings are specified in the Measure Case Description.

To reduce floating head pressure to lower saturated condensing temperature (SCT), the equipment must meet the following requirements:

- The controls are added to float head pressure down to a lower pressure when conditions permit (i.e., changes control from fixed setpoint to floating setpoint).
- The controls only apply to refrigeration systems having multiplex compressor systems with existing control of the SCT at a fixed setpoint.
- The new SCT setpoint must follow the ambient temperature by controlling condenser fans with variable-speed drives or by staging condenser fans.





## **Exclusions**

Products cannot be used in conjunction with measures that already incorporate floating head pressure controls.

In addition, the following installations are ineligible:

- Projects that only reprogram a controller; new hardware must be installed
- New construction installations
- Any improvements that will increase system energy use
- Additionally, the calculation of the design cooling load (tons) is to be based on connected display cases, walk-in coolers and freezers, cooled storage, and prep areas only. Sub-cooler loads and air conditioning loads are ineligible for consideration.

Building vintages and refrigeration multiplex system vintages after 2013 are not eligible because the California Building Energy Efficiency Standards (Title 24) has mandated the floating controls since July 1, 2014.





## Reach-In Refrigerator or Freezer, Commercial

Measure Code	Measure Description	Rebate/Unit	Unit Definition
F171	< 15 cubic feet Glass-Door Reach-In Refrigerator	\$30.00	EACH
F172	15 - 29 cubic feet Glass-Door Reach-In Refrigerator	\$60.00	EACH
F173	30 - 49 cubic feet Glass-Door Reach-In Refrigerator	\$80.00	EACH
F174	>= 50 cubic feet Glass-Door Reach-In Refrigerator	\$100.00	EACH

### Measure Type

Normal Replacement  
New Construction

### Eligible Building Types

These measures are applicable for any existing commercial building type of any vintage.

### Eligible Products

Eligible products include ENERGY STAR®-qualified commercial reach-in refrigerators and freezers that replace a standard efficiency unit of the same configuration and capacity. There are 16 eligible measure offerings defined by configuration and internal volume, as specified in the ENERGY STAR Commercial Refrigerators and Freezers Program Requirements.

EQUIPMENT DESCRIPTION (FT <sup>3</sup> ) V = INTERNAL VOLUME IN CUBIC FEET	DAILY ENERGY CONSUMPTION (KWH/DAY)
<b>SOLID-DOOR REACH-IN REFRIGERATOR (VCS.SC.M)</b>	
0 < V < 15	≤ 0.022V* + 0.97
15 ≤ V < 30	≤ 0.066V + 0.31
30 ≤ V < 50	≤ 0.04V + 1.09
50 ≤ V	≤ 0.024V + 1.89
<b>SOLID-DOOR REACH-IN FREEZER (VCS.SC.L)</b>	
0 < V < 15	≤ 0.21V + 0.9
15 ≤ V < 30	≤ 0.12V + 2.248
30 ≤ V < 50	≤ 0.285V - 2.703
50 ≤ V	≤ 0.142V + 4.445
<b>GLASS-DOOR REACH-IN REFRIGERATOR (VCT.SC.M)</b>	
0 < V < 15	≤ 0.095V + 0.445
15 ≤ V < 30	≤ 0.05V + 1.12
30 ≤ V < 50	≤ 0.076V + 0.34





<b>EQUIPMENT DESCRIPTION (FT<sup>3</sup>)</b> V = INTERNAL VOLUME IN CUBIC FEET	<b>DAILY ENERGY CONSUMPTION (KWH/DAY)</b>
50 ≤ V	≤ 0.105V - 1.111
<b>GLASS-DOOR REACH-IN FREEZER (VCT.SC.L)</b>	
0 < V < 15	≤ 0.232V + 2.36
15 ≤ V < 30	
30 ≤ V < 50	
50 ≤ V	

**Exclusions**

Units with remote refrigeration systems do not qualify and used or rebuilt equipment is not eligible.





## ECM Retrofit for Walk-in Cooler or Freezer

Measure Code	Measure Description	Rebate/Unit	Unit Definition
RF067	Walk-in cooler evaporator fan motor with ECM (replacing PSC)	\$40.00	Each
RF068	Walk-in freezer evaporator fan motor with ECM (replacing PSC)	\$25.00	Each
RF069	Walk-in cooler evaporator fan motor with ECM (replacing SPM)	\$40.00	Each
RF070	Walk-in freezer evaporator fan motor with ECM (replacing SPM)	\$25.00	Each

### Measure Type

Accelerated Replacement

### Eligible Building Types

Assembly  
 Manufacturing - Bio/Tech  
 Office – Large  
 Office - Small  
 Education - Relocatable Classroom  
 Health/Medical - Hospital  
 Health/Medical - Nursing Home  
 Lodging - Guest Rooms  
 Storage - Conditioned  
 Storage - Unconditioned  
 Warehouse - Refrigerated

### Eligible Products

All products must meet the requirements in the Measure Case Description.

The evaporator fan motor shaft output is typically rated between 6 W and 373 W (1/125 hp to 1/2 hp).

Requirements for accelerated replacement of walk-in cooler evaporator fan motors are:

- The existing motor system must be fully functional with no signs of replacement in the 12 months following the project application date.
- Pre-inspection of existing equipment is required.

### Required Documentation for Installations

Preponderance of evidence (POE) must be documented for all accelerated replacement (AR) applications. Notably, programs shall document if measure was replaced as a direct result of information, recommendations, and support provided by the program administrator (PA) and/or





the implementer, and program implementers shall require the collection and submission of documentation to ensure proper conformance to eligibility and implementation requirements.

The following are the types of information that are required for all projects:

- Customer/site information
- Specifications of existing equipment
- Proof that existing fan motor is still operating as intended
- Existing fan motor nameplate data with manufacturer date to confirm remaining useful life
- Replacement motor nameplate information

To document POE, the provided preponderance of evidence (POE) survey,<sup>1</sup> or similar, should be completed.

### **Exclusions**

This measure cannot be used in conjunction with the evaporative fan controller for walk-in coolers and freezers.

The measure excludes motors greater than ½ horsepower.

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<sup>1</sup> [https://www.caetrm.com/media/reference-documents/SWCR004\\_POE\\_Survey.pdf](https://www.caetrm.com/media/reference-documents/SWCR004_POE_Survey.pdf)





## FOOD SERVICE

### Undercounter Dishwasher, Commercial

Measure Code	Measure Description	Rebate/Unit	Unit Definition
FS062	Undercounter Dishwasher, Hi Temp, Tier 1	\$100.00	EACH
FS063	Undercounter Dishwasher, Hi Temp, Tier 2	\$100.00	EACH
FS064	Undercounter Dishwasher, Lo Temp, Tier 1	\$100.00	EACH
FS065	Undercounter Dishwasher, Lo Temp, Tier 2	\$820.00	EACH

#### Measure Type

Normal Replacement  
New Construction

#### Eligible Building Types

This measure is applicable for any nonresidential building type of any vintage.

#### Eligible Products

This measure includes new commercial low- and high-temperature undercounter dishwashers that meet the efficiency requirements presented in the Measure Case Description.

#### Exclusions

Used or rebuilt equipment is not eligible.

Other dishwasher types (conveyor, door-type, flight-type) are not eligible.





## Low-Flow Pre-rinse Spray Valve

Measure Code	Measure Description	Rebate/Unit	Unit Definition
FS045	Low-Flow Pre-rinse Spray Valve, Gallons Per Minute (GPM) $\leq 1.07$	\$20.00	UNIT

### Measure Type

Normal Replacement  
New Construction

### Eligible Building Types

This measure is applicable to any nonresidential building type and any vintage, notably commercial foodservice applications including (but not limited to) full-service and quick-service restaurants, hotels, motels, schools, colleges, cafeterias, healthcare, correctional facilities, military, and recreational facilities.

### Eligible Products

This measure is defined as a new commercial-grade pre-rinse spray valve (PRSV) with a maximum flow rate  $\leq 1.07$  gpm that replaces a Pre-rinse Spray Valve (PRSV) with a maximum flow rate of 1.20 gpm for a spray force of  $> 5.0$  ozf and  $\leq 8.0$  ozf; and as a new commercial-grade PRSV with a maximum flow rate  $\leq 0.75$  gpm that replaces a PRSV with a maximum flow rate of 1.00 gpm for a spray force of  $< 5.0$  ozf. See Measure Case Description.

This measure is restricted to operations with natural gas water heaters only.

### Exclusions

Used or rebuilt equipment is not eligible.





## Conveyor Toaster, Commercial

Measure Code	Measure Description	Rebate/Unit	Unit Definition
FS031	High Performance Conveyor Toaster, Commercial	\$500.00	UNIT

### Measure Type

Normal Replacement  
New Construction

### Eligible Building Types

This measure is applicable to any commercial building type of any vintage.

### Eligible Products

To qualify as a high-performance conveyor toaster, the unit must meet the energy per sandwich requirement of less than or equal to 3.75 W/bun.

Energy per sandwich is a function of the cooking energy rate and the production capacity.

$$\text{Energy per sandwich} = \frac{\text{cooking energy rate} * \text{W/kW}}{\text{production capacity}}$$

*cooking energy rate = Measured energy rate during cooking mode (kW)*

*production capacity = Number of sandwiches a unit can cook per hour (buns/hour)*

*W/KW = Conversion factor – 1000 watts per kilowatt (W/kW)*

### Exclusions

Used or rebuilt equipment is not eligible.





## APPLIANCE OR PLUG LOAD

### Circulating Block Heater

Measure Code	Measure Description	Rebate/Unit	Unit Definition
PR111	Circulating block heater, 37 - 199 kW, undersized base case	\$498.00	Each
PR112	Circulating block heater, 37 - 199 kW, properly sized base case	\$330.00	Each
PR113	Circulating block heater, 200 - 799 kW, undersized base case	\$87.50	Each
PR114	Circulating block heater, 200 - 799 kW, properly sized base case	\$87.50	Each

#### Measure Type

Normal Replacement  
New Construction

#### Eligible Building Types

Assembly  
Manufacturing - Bio/Tech  
Office - Large  
Education - Relocatable Classroom  
Office - Small  
Health/Medical - Hospital  
Health/Medical - Nursing Home  
Storage - Conditioned  
Storage - Unconditioned  
Warehouse – Refrigerated

#### Eligible Products

For a normal replacement (NR) installation, the existing backup generator is eligible if it is not currently fitted with a circulating block heater or device utilizing similar electro-mechanical system to heat and circulate generator block pre-warming fluid.

A new generator installation (i.e., new construction, NC), for which the base design prescribes a pre-heating device (e.g., thermosiphon heater) other than a circulating block heater or similar device is eligible to upgrade from base design to efficient design including a circulating block heater.

Additional eligibility requirements regarding the installation include:

- Installation of circulating block heater should be performed by a qualified technician (i.e. generator maintenance technician or mechanical service technician).





- Installer should follow manufacturer's installation requirements and assess and perform (if necessary) fluid hose adjustments that may be associated with the retrofit to enable the circulating block heater to function at optimal energy efficiency.
- Installation shall meet all applicable regulations including but not limited to latest NFPA Code 110 for Emergency Power Systems and NEC.

**Exclusions**

This measure is not eligible for residential buildings.





## Ozone Laundry, Commercial

Measure Code	Measure Description	Rebate/Unit	Unit Definition
B85	Ozone Laundry	\$39.00	PROC-LBS

### Measure Type

Add-On Equipment

### Eligible Building Types

This measure is applicable for hotels/motels, health centers, nursing homes, and correctional facilities.

### Eligible Products

Eligible ozone laundry products must meet the following requirements:

1. The washing capacity of each washing machine must be rated at 200 pounds or less.
2. The customer must have a natural gas-fired boiler or natural gas water heater that supplies hot water to the on-premise laundry (OPL) equipment.
3. The ozone laundry system(s) must be a new purchased product and installed with a new or existing commercial washing machine(s).
4. The ozone laundry system(s) must transfer ozone into the water with either the venture injection or bubble diffusion process.

### Exclusions

Laundry systems equipped with tunnel washers are not eligible.

The nonresidential ozone laundry measure is not applicable in residential or multifamily facilities.





## Gas Dryer Modulating Valve, Commercial and Multifamily

Measure Code	Measure Description	Rebate/Unit	Unit Definition
AP067	Gas Dryer Modulating Valve	\$250.00	EACH

### Measure Type

Add-On Equipment

### Eligible Building Types

This measure is applicable for all new and existing commercial or multifamily buildings of all vintages.

For the commercial sector, this measure will apply to the following building types: general commercial, hotels, motels, small retail, and nursing homes.

### Eligible Products

A professional installer will be required for all installations of this product as the inlet natural gas line will have to be removed and reattached during installation.

The natural gas dryer must not be modified by any technology that would reduce the natural gas consumption beyond the manufacturer specifications.

The dryer must have an accessible gas valve assembly and room to install the modulating device in the unit and on the unit exhaust.

The dryer must have a drum capacity ranging from 20 lbs. to 200 lbs.

All applicants must have their dryers on site.

Natural gas must be supplied by a California utility.

### Exclusions

A dryer that makes use of a common or dedicated steam system is not eligible.

This measure is not eligible for dryers with a capacity greater than 200 lbs or less than 20 lbs. For capacities outside of this range, a custom measure type is recommended.





## RECREATION

### Heater for Pool or Spa, Commercial

Measure Code	Measure Description	Rebate/Unit	Unit Definition
H103	Commercial Pool and Spa Heater	\$2.00	CAP-KBTUH

#### Measure Type

Normal Replacement

#### Eligible Building Types

This measure is applicable to all heated pools installed in commercial facilities, such as schools, colleges, universities, YMCA/YWCA, public facilities, hotels/motels, health clubs, and spas.

#### Eligible Products

This measure is available for swimming pool heating and the unit must replace pre-existing pool heater.

The commercial pool heater must be certified to meet the following requirements:

- The heater must have  $TE \geq 84\%$
- The heater must have an ON/OFF switch and no pilot light

This measure is applicable to all pool sizes to accommodate the energy savings opportunity associated with the significant number of smaller and larger heated commercial pools.

#### Exclusions

Single-family residences (residential homeowners) are not eligible for this measure.

