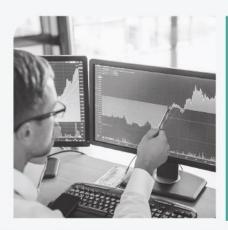


Statewide State of California Energy Strategy and Support (SOC ESS) Program

Rebate Catalog







May 2025 Version 2.0



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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 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



ELECTRIFICATION / FUEL SUBSTITUION

Packaged Heat Pump Air Conditioner

Measure Code	Unit Type	Unit Capacity and Minimum Efficiency Requirement	Rebate/Unit	
SWHC046J	Commercial	135 to 239 kBtu/hr, IEER15.5 COP3.2	\$55.00	
SWHC046L	IEER-rated package heat	240 to 760 kBtu/hr, IEER14.0 COP3.4	\$190.00	
SWHC046N	pump	65 to 134 kBtu/hr, IEER16.0 COP3.4	\$165.00	
SWHC046C	Commercial SEER-rated package heat pump	< 65 kBtu/hr, SEER16 HSPF8.5	\$470.00	
SWHC046D		< 65 kBtu/hr, SEER17 HSPF9.0	\$890.00	
SWHC046A		1 stage, < 65 kBtu/hr, SEER15 HSPF8.2	\$105.00	
SWHC046B		2 stage, < 65 kBtu/hr, SEER15 HSPF8.2	\$105.00	
SWHC046E		< 65 kBtu/hr, 15 SEER HSPF8.7	\$340.00	
SWHC046F	Commercial SEER-rated split heat pumps	< 65 kBtu/hr, SEER16 HSPF9.0	\$360.00	
SWHC046G		< 65 kBtu/hr, SEER17 HSPF9.4	\$680.00	
SWHC046H		< 65 kBtu/hr, 18 SEER HSPF9.7	\$980.00	

Unit Definition

The rebate is calculated as dollars per equipment rated cooling capacity in tons.

Measure Type

Normal Replacement

Eligible Building Types

Any

Eligible Products

This measure involves fuel substitution and must replace an existing less efficient packaged or split AC and natural gas furnace. The existing furnace equipment must be removed and disposed of rather than refurbished and sold. Existing gas line(s) serving removed gas equipment must be capped off and removed refrigerant must be handled and disposed in accordance with all state and local regulations including but not limited to the California Building Energy Efficiency Standards (Title 24) and the Appliance Efficiency Regulations (Title 20), the California Building Standards Code, the California Plumbing Code, and the National Electrical Code (NEC).

All the packaged or split HP must exceed the minimum efficiency requirements indicated in Measure Case Description.



Exclusions

New Construction/Capacity Expansion measures are not eligible in this program.

This measure is not eligible when there is no natural gas to electricity fuel substitution for heating and/or when the measure includes non-regulated fuel.

Required Documentation

In addition to the standard rebate application information, the following information is required to be submitted:

- What is the existing fuel type for space heating?
- Did the site require any electric infrastructure upgrades for the proposed electrification measure? If yes, provide the itemized invoices with infrastructure upgrade costs.
- Did the owner install any other electrification measures at this site? If yes, list the measures and provide the itemized invoices with infrastructure upgrade costs (if any).



Heat Pump Water Heater

Measure Code	Measure Description	Rebate/Unit
SWWH027AC	Heat pump water heater, >= 45 to <= 55 gal, UEF = 3.50 replacing storage natural gas water heater, 30 gal, UEF = 0.60	\$1,300.00
SWWH027AD	Heat pump water heater, >= 45 to <= 55 gal, UEF = 3.50 replacing storage natural gas water heater, 40 gal, UEF = 0.64	\$1,300.00
SWWH027AE	Heat pump water heater, >= 45 to <= 55 gal, UEF = 3.50 replacing storage natural gas water heater, 50 gal, UEF = 0.63	\$1,000.00
SWWH027AF	Heat pump water heater, >= 45 to <= 55 gal, UEF = 3.50 replacing tankless natural gas water heater, High Draw, UEF = 0.81	\$1,000.00
SWWH027AG	Heat pump water heater, >= 45 to <= 55 gal, UEF = 3.75 replacing storage natural gas water heater, 30 gal, UEF = 0.60	\$1,400.00
SWWH027AH	Heat pump water heater, >= 45 to <= 55 gal, UEF = 3.75 replacing storage natural gas water heater, 40 gal, UEF = 0.64	\$1,300.00
SWWH027AI	Heat pump water heater, >= 45 to <= 55 gal, UEF = 3.75 replacing storage natural gas water heater, 50 gal, UEF = 0.63	\$1,000.00
SWWH027AJ	Heat pump water heater, >= 45 to <= 55 gal, UEF = 3.75 replacing tankless natural gas water heater, High Draw, UEF = 0.81	\$1,100.00
SWWH027T	Heat pump water heater, > 55 to <= 75 gal, UEF = 3.50 replacing storage natural gas water heater, 60 gal, UEF = 0.61	\$1,500.00
SWWH027U	Heat pump water heater, > 55 to <= 75 gal, UEF = 3.75 replacing storage natural gas water heater, 60 gal, UEF = 0.61	\$1,700.00
SWWH027W	Heat pump water heater, > 75 gal, UEF = 3.50 replacing storage natural gas water heater, 75 gal, UEF = 0.59	\$800.00
SWWH027X	Heat pump water heater, > 75 gal, UEF = 3.75 replacing storage natural gas water heater, 75 gal, UEF = 0.59	\$1,100.00

Unit Definition

The rebate is calculated as dollars per equipment (each).

Measure Type

Normal Replacement

Eligible Building Types

Any

Eligible Products

The heat pump water heater must meet the storage capacity and minimum efficiency requirements outlined in the Measure Case Description section.

Existing base equipment must be disposed.



In some cases, heat pump water heaters may contain multiple heat pump units. The efficiency of the measure case must be the efficiency of the package unit, not the efficiency of individual heat pumps which make-up the unit.

Split-system heat pump unit assemblies are eligible. However, they shall be treated as one package of one or more heat pumps serving a storage tank. Efficiency and performance ratings for the entire package shall be provided by the manufacturer. The efficiency of an individual heat pump within the package shall not be sufficient.

Exclusions

New Construction/Capacity Expansion measures are not eligible in this program.



HVAC

Unitary Air-cooled Air Conditioner, Over 65 kBTU/hr

	,	
Measure Code	Measure Description	Rebate/Unit
HV346	Unitary air-cooled, packaged AC, 65 - 134 kBtu/hr, 11.5 EER	\$10.00
HV347	Unitary air-cooled, packaged AC, 65 - 134 kBtu/hr, 12 EER	\$50.00
HV348	Unitary air-cooled, packaged AC, 65 - 134 kBtu/hr, 12.5 EER	\$80.00
HV349	Unitary air-cooled, packaged AC, 65 - 134 kBtu/hr, 13 EER	\$120.00
HV340	Unitary air-cooled, packaged AC, 135 - 239 kBtu/hr, 11.5 EER	\$70.00
HV341	Unitary air-cooled, packaged AC, 135 - 239 kBtu/hr, 12 EER	\$110.00
HV342	Unitary air-cooled, packaged AC, 135 - 239 kBtu/hr, 12.5 EER	\$150.00
HV344	Unitary air-cooled, packaged AC, 240 - 759 kBtu/hr, 11.5 EER	\$170.00
HV345	Unitary air-cooled, packaged AC, 240 - 759 kBtu/hr, 12.5 EER	\$250.00
HV351	Unitary air-cooled, packaged AC, > 760 kBtu/hr, 11 EER	\$130.00
HV352	Unitary air-cooled, packaged AC, > 760 kBtu/hr, 12 EER	\$270.00

Unit Definition

The rebate is calculated as dollars per equipment rated cooling capacity in tons.

Measure Type

Normal Replacement

Eligible Building Types

Any

Eligible Products

All unitary direct expansion (DX) equipment is eligible.

For the normal replacement measure application type, the replacement equipment must be "like for like" (e.g., a packaged DX for a packaged DX).

Exclusions

Fuel substitution measures (regardless of measure application type) are not eligible for rebates using this measure package.

Package terminal air conditioning units, which are units manufactured for installation through a wall or window and are usually ≤ 2 tons, are not eligible.

Required Documentation

In addition to the standard rebate application information, the following information is required to be submitted:



• Age of the building



Unitary Air-cooled Air Conditioner, Under 65 kBTU/hr

Measure Code	Unit Type	Rated Unit Capacity	SEER Rating	Rebate/Unit
SWHC014AK		· · · · · ·	15	\$100
SWHC014AL		18 - 33 kBtu/hr	16	\$200
SWHC014AM			17	\$300
SWHC014AN			18	\$400
SWHC014AS			15	\$100
SWHC014AT	Packaged		16	\$200
SWHC014AU	AC	33 - 55 kBtu/hr	17	\$300
SWHC014AV			18	\$400
SWHC014BA			15	\$100
SWHC014BB		"	16	\$200
SWHC014BC		55 - 65 kBtu/hr	17	\$300
SWHC014BD			18	\$400
SWHC014BI			15	\$100
SWHC014BJ		40 20 10 //	16	\$200
SWHC014BK		18 - 33 kBtu/hr	17	\$300
SWHC014BL			18	\$400
SWHC014AO	Split AC		15	\$100
SWHC014AP		55	16	\$200
SWHC014AQ		55 - 65 kBtu/hr	17	\$300
SWHC014AR			18	\$400
SWHC014AW			15	\$100
SWHC014AX		40.22 laber //-	16	\$200
SWHC014AY		18-33 kBtu/hr	17	\$300
SWHC014AZ			18	\$400
SWHC014BM			15	\$100
SWHC014BN	Packaged	22 FF kD+u/b*	16	\$200
SWHC014BO	HP	33 - 55 kBtu/hr	17	\$300
SWHC014BP			18	\$400
HV267			15	\$100
HV268		EE 6E LD+/b-	16	\$200
HV273		55 - 65 kBtu/hr	17	\$300
HV274			18	\$400
HV275			15	\$100
HV276		18-33 kBtu/hr	16	\$200
HV245	Split HP	TO-33 KDLU/III	17	\$300
HV246			18	\$400
HV247		33 - 55 kBtu/hr	15	\$100



HV248		16	\$200
HV257		17	\$300
HV258		18	\$400
HV259		15	\$100
HV260	EE GE kBtu/br	16	\$200
HV265	55 - 65 kBtu/hr	17	\$300
HV266		18	\$400

Unit Definition

The rebate is calculated as dollars per equipment rated cooling capacity in tons.

Measure Type

Normal Replacement

Eligible Building Types

Any

Eligible Products

Eligible products must meet the minimum specification presented in the section SEER Rating of the measure table.

Additional eligibility requirements include:

All three-phase unitary AC and HP equipment less than 65,000 Btu/h is eligible.

For the normal replacement measure application type, the replacement equipment must be "like for like" (e.g., a heat pump for a heat pump).

Exclusions

Fuel substitution measures (regardless of measure application type) are not eligible for rebates using this measure package.

Package terminal air conditioning units, which are units manufactured for installation through a wall or window and are usually ≤ 2 tons, are not eligible.

Verification Requirements

N/A.



Air-Cooled Screw Chiller, Path A

Measure Code	Measure Description	Rebate/Unit
HV380	Air Cooled Constant Speed Screw Chiller (< 150 tons, 11.1 EER, 15.1 IPLV)	\$20.00
SWHC020F	Air Cooled Constant Speed Screw Chiller (< 150 tons, 12.1 EER, 16.4 IPLV)	\$37.00
HV378	Air Cooled Constant Speed Screw Chiller (>= 150 tons, 11.1 EER, 15.4 IPLV)	\$20.00
SWHC020E	Air Cooled Constant Speed Screw Chiller (>= 150 tons, 12.1 EER, 16.8 IPLV)	\$37.00

Unit Definition

The rebate is calculated as dollars per equipment rated cooling capacity in tons.

Measure Type

Normal Replacement

Eligible Building Types

Any

Eligible Products

Products are required to meet both full load and integrated part load efficiency requirements specified in the Measure Case Description.

The energy and demand impacts of this measure are applicable only to commercial buildings with chiller equipment serving space comfort. Other chiller measures serving non-space comfort and/or processes and/or industrial applications shall be evaluated and incentivized under custom programs.

In a central or multi-chiller cooling plant with lead-lag configuration, "lead chiller measures may only be utilized in custom programs and shall not be used in deemed downstream, upstream incentive or direct install programs. Note that code requirement categories (Path A and Path B) are not a product classification and do not imply installation as a lead chiller. Energy impacts are determined with the assumption that the chiller is not a lead chiller.

Exclusions

Per Section 140.4 (j) of the 2022 California Building Energy Efficiency Standards (Title-24), chilled water plants shall not have more than 300 tons provided by air cooled chillers, except where the water quality at the building site fails to meet the manufacturer specifications for the use of water-cooled chillers, chillers that are used to charge a thermal energy storage system with a design temperature of less than 40 °F, or systems serving healthcare facilities.



Verification Requirements

Along with application, the following data must be reported.

- Site ID A unique identifier for the installed location of the incentivized equipment
- Equipment ID A unique identifier for each unit of incentivized equipment on the site
- Chiller make and model number
- Chiller type
- Chiller rated capacity
- Chiller rated efficiency
- Quantity of units installed
- Refrigerant(s) used
- For NR applications, existing equipment type
- Itemized invoice to support measure cost



Demand Control Ventilation for Single Zone HVAC

Measure Code	Measure Description	Rebate/Unit
HV027	Demand Control Ventilation for Single Zone HVAC, Add DCV and CO2 Sensor, DX Furnace with ADEC	\$32.00
HV031	Demand Control Ventilation for Single Zone HVAC, Add DCV and CO2 Sensor, Heat Pump with ADEC	\$27.00
HV026	Demand Control Ventilation for Single Zone HVAC, Add DCV, ADEC and CO2 Sensor, DX Furnace	\$27.00

Unit Definition

The rebate is calculated as dollars per equipment rated cooling capacity in 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. To qualify for this measure, the economizer high limit must be optimized for the climate per Title 24 2022 Table 140.4-G, 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
Differentia	l 1, 3, 5, 11-16	Toa > Tra °F
Dry Bulb	2, 4, 10	Toa > Tra-2 °F



DEVICE TYPE	CLIMATE ZONES	ECONOMIZER HIGH LIMIT EQUATION (ECONOMIZER OFF WHEN)
	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 2022 Table 140.4-G.

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 ₂ 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 2022 §120.1(d) 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 2022 requirements is that a return air duct-mounted CO_2 sensor is allowed whereas Title 24 2022 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 ft² 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
HV054	Enhanced Ventilation for Packaged HVAC, Add VFD to an existing motor on an AC unit with gas heat and ADEC	\$140.00
HV055	Enhanced Ventilation for Packaged HVAC, Add a VFD and NEMA motor to an AC unit with gas heat and ADEC	\$150.00
HV056	Enhanced Ventilation for Packaged HVAC, AC unit with Gas Heat, Add VFD and PMM	\$160.00
HV057	Enhanced Ventilation for Packaged HVAC, Add VFD to an existing motor on an AC only unit with ADEC	\$120.00
HV058	Enhanced Ventilation for Packaged HVAC, Add a VFD and NEMA motor to an AC only unit with ADEC	\$120.00
HV059	Enhanced Ventilation for Packaged HVAC, Add a VFD and PMM to an AC only unit with ADEC	\$130.00
HV060	Enhanced Ventilation for Packaged HVAC, Heat Pump, Add VFD	\$140.00
HV061	Enhanced Ventilation for Packaged HVAC, Add a VFD and NEMA motor to a Heat pump with ADEC	\$160.00
HV062	Enhanced Ventilation for Packaged HVAC, Heat Pump, Add VFD and PMM	\$170.00
HV063	Enhanced Ventilation for Packaged HVAC, Add ADEC and VFD to an existing motor on an AC unit with gas heat	\$140.00
HV064	Enhanced Ventilation for Packaged HVAC, Add ADEC, VFD, and NEMA motor to an AC unit with gas heat	\$150.00
HV065	Enhanced Ventilation for Packaged HVAC, AC unit with Gas Heat, Add VFD, PMM, and ADEC	\$160.00
HV066	Enhanced Ventilation for Packaged HVAC, AC unit only, Add VFD and ADEC	\$120.00
HV067	Enhanced Ventilation for Packaged HVAC, Add ADEC, VFD, and NEMA motor to an AC only unit	\$120.00
HV068	Enhanced Ventilation for Packaged HVAC, AC unit only, Add VFD, PMM, and ADEC	\$130.00
HV069	Enhanced Ventilation for Packaged HVAC, Add ADEC and VFD to an existing motor on a Heat pump	\$150.00
HV070	Enhanced Ventilation for Packaged HVAC, Add ADEC, VFD, and NEMA motor to a Heat pump	\$160.00
HV071	Enhanced Ventilation for Packaged HVAC, Add ADEC, VFD, and PMM to a Heat pump	\$170.00



SA07	AC unit with Gas Heat, HVAC Enhanced Vent, CO2 Sensor, Add VFD and ADEC	\$160.00
SA08	AC unit with Gas Heat, HVAC Enhanced Vent, CO2 Sensor, Add VFD, NEMA, and ADEC	\$170.00
SA09	AC unit with Gas Heat, HVAC Enhanced Vent, CO2 Sensor, Add VFD, PMM, and ADEC	\$170.00
SA10	Heat Pump, HVAC Enhanced Vent, CO2 Sensor, Add VFD and ADEC	\$180.00
SA11	Heat Pump, HVAC Enhanced Vent, CO2 Sensor, Add VFD, NEMA, and ADEC	\$180.00
SA12	Heat Pump, HVAC Enhanced Vent, CO2 Sensor, Add VFD, PMM, and ADEC	\$190.00

Unit Definition

The rebate is calculated as dollars per equipment rated cooling capacity in 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 2022 (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 2022 Table 140.4-G, 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	1, 3, 5, 11-16	Toa > 75 °F
Dry Bulb	2, 4, 10	Toa > 73 °F
	6, 8, 9	Toa > 71 °F
	7	Toa > 69 °F
Differential	1, 3, 5, 11-16	Toa > Tra °F
Dry Bulb	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
H148	VSD on HVAC Fan Control	\$257.00

Unit Definition

The rebate is calculated as dollars per rated motor horsepower.

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 ≤ 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.

Exhaust fans are not eligible.

Verification Requirements

Along with application, the following data must be reported.

- SiteID A unique identifier for the installed location of the incentivized equipment, including site address.
- Equipment ID
- Existing motor HP
- Existing fan controls





- Existing fan type
- VSD manufacturer
- VSD model number



Software-Controlled Switch Reluctance Motor

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

Unit Definition

The rebate is calculated as dollars per rated motor horsepower.

Measure Type

Normal Replacement

Eligible Building Types

ΑII

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
HV327	Supply Fan Controls, Commercial, Unoccupied Fan Control, AC Unit Only	\$7.00
HV326	Supply Fan Controls, Commercial, Unoccupied Fan Control, AC Unit with Gas Heat	\$7.00
HV328	Supply Fan Controls, Commercial, Unoccupied Fan Control, Heat Pump	\$7.00
HV329	Supply Fan Controls, Commercial, Unoccupied Fan Control, Variable Volume AC Unit with Gas Heat	\$7.00

Unit Definition

The rebate is calculated as dollars per rated cooling capacity in 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

Eliaible 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, Commercia

Measure Code	Measure Description	Rebate/Unit
HV400	Cogged V-Belt for HVAC Fans	\$0.50

Unit Definition

The rebate is calculated as dollars per rated cooling capacity in tons.

Measure Type

Normal Replacement

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, OA reset from 115 to 140 deg F)	\$2.00	CAP- KBTUH
SWHC004N	Hot water boiler (300 - 2500 kBtu/hr, 94.0% TE, condensing, OA reset from 140 to 165 deg F)	\$1.00	CAP- KBTUH
SWHC004P	Hot water boiler (2500 - 10000 kBtu/hr, 93.0% TE, 95.0% CE, condensing, OA reset from 140 to 165 deg F)	\$2.00	CAP- KBTUH
SWHC004Q	Hot water boiler (2500 - 10000 kBtu/hr, 93.0% TE, 95.0% CE, condensing, OA reset from 115 to 140 deg F)	\$2.00	CAP- KBTUH

Unit Definition

The rebate is calculated as dollars per rated input capacity in kBtuh.

Measure Type

Normal Replacement

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 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	\$7.00	EACH
BW037	1.0 GPM Flow Rate Laminar Flow Restrictor being installed on a 2.7 GPM Flow Rate Faucet Base Case	\$7.00	EACH
BW038	1.5 GPM Flow Rate Laminar Flow Restrictor being installed on a 2.7 GPM Flow Rate Faucet Base Case	\$7.00	EACH

Unit Definition

The rebate is calculated as dollars per equipment (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 \leq 4 inch, \leq 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

Unit Definition

The rebate is calculated as dollars per linear feet of pipe, or per fitting (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
DWHC1	Small/med. commercial boilers, HW, < 200 kBtu/hr, 0.87 UEF	\$2.50
SWWH005F	Small/med. commercial boilers, HW, < 200 kBtu/hr, 0.92 UEF	\$4.00
SWWH005G	Small/med. commercial boilers, HW, < 200 kBtu/hr, 0.96 UEF	\$5.00
SWWH005H	Large commercial boilers, HW, >= 300 kBtu/hr, 90% TE	\$1.50
SWWH005I	Large commercial boilers, HW, >= 300 kBtu/hr, 96% TE	\$3.50

Unit Definition

The rebate is calculated as dollars per equipment rated input capacity in 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
BW294	Small storage water heater, <= 75 kBtu/hr, 30 gal, high draw, 0.68 UEF	\$1.50
BW296	Small storage water heater, <= 75 kBtu/hr, 40 gal, high draw, 0.68 UEF	\$1.00
BW299	Small storage water heater, <= 75 kBtu/hr, 50 gal, med. draw, 0.64 UEF	\$2.00
SWWH007H	Large storage water heater, > 75 kBtu/hr, 90% TE	\$5.00
BW109	Large storage water heater, > 75 kBtu/hr, 96% TE	\$6.00

Unit Definition

The rebate is calculated as dollars per equipment rated input capacity in 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
BW292	Tankless Water Heater, Commercial, Small instant water heater, < 200 kBtu/hr, 0.81 UEF	\$0.25
BW293	Tankless Water Heater, Commercial, Small instant water heater, < 200 kBtu/hr, 0.87 UEF	\$5.00
BW105	Tankless Water Heater, Commercial, Large instant water heater, >= 200 kBtu/hr, 90% TE	\$5.00
BW081	Tankless Water Heater, Commercial, Small/medium instant water heater, < 200 kBtu/hr, 90% TE	\$5.00
BW107	Tankless Water Heater, Commercial, Large instant water heater, >= 200 kBtu/hr, 96% TE	\$7.00
SWWH006G	Tankless Water Heater, Commercial, Small instant water heater, < 200 kBtu/hr, 0.92 UEF	\$7.00
SWWH006H	Tankless Water Heater, Commercial, Small instant water heater, < 200 kBtu/hr, 0.96 UEF	\$8.00
SWWH006I	Tankless Water Heater, Commercial, Small/medium instant water heater, < 200 kBtu/hr, 84% TE	\$1.00
SWWH006J	Tankless Water Heater, Commercial, Small/medium instant water heater, < 200 kBtu/hr, 96% TE	\$6.00
SWWH006K	Tankless Water Heater, Commercial, Large instant water heater, >= 200 kBtu/hr, 84% TE	\$1.50

Unit Definition

The rebate is calculated as dollars per equipment rated capacity in 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
RF064	Floating saturated condensing temperature controls (aircooled)	\$50.00
RF065	Floating saturated condensing temperature controls VFD (air-cooled)	\$50.00
R116	Floating saturated condensing temperature controls (evaporative-cooled)	\$50.00
R123	Floating saturated condensing temperature controls VFD (evaporative-cooled)	\$50.00

Unit Definition

The rebate is calculated as dollars per equipment/system rated capacity in tons.

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.

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Reach-In Refrigerator or Freezer, Commercial

Measure Code	Measure Description	Rebate/Unit
F171	< 15 cubic feet glass door-reach-in refrigerator	\$40.00
F172	15 - 29 cubic feet glass-door reach-in refrigerator	\$80.00
F173	30 - 49 cubic feet glass-door reach-in refrigerator	\$140.00
F174	>= 50 cubic feet glass-door reach-in refrigerator	\$150.00
F183	< 15 cubic feet solid-door reach-in refrigerator	\$70.00
F184	15 - 29 cubic feet solid-door reach-in refrigerator	\$80.00
F185	30 - 49 cubic feet solid-door reach-in refrigerator	\$80.00
F186	>= 50 cubic feet solid-door reach-in refrigerator	\$130.00
F175	< 15 cubic feet glass-door reach-in freezer	\$70.00
F176	15 - 29 cubic feet glass-door reach-in freezer	\$150.00
F177	30 - 49 cubic feet glass-door reach-in freezer	\$290.00
F178	>= 50 cubic feet glass-door reach-in freezer	\$440.00
F179	< 15 cubic feet solid-door reach-in freezer	\$50.00
F180	15 - 29 cubic feet solid-door reach-in freezer	\$140.00
F181	30 - 49 cubic feet solid-door reach-in freezer	\$150.00
F182	>= 50 cubic feet solid-door reach-in freezer	\$290.00

Unit Definition

The rebate is calculated as dollars per equipment (each).

Measure Type

Normal Replacement



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 (FT³) V = INTERNAL VOLUME IN CUBIC FEET	DAILY ENERGY CONSUMPTION (KWH/DAY)
SOLID-DOOR R	EACH-IN REFRIGERATOR (VCS.SC.M)
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
SOLID-DOO	OR REACH-IN FREEZER (VCS.SC.L)
0 < V < 15	$\leq 0.21V + 0.9$
15 ≤ V < 30	≤ 0.12V + 2.248
30 ≤ V < 50	≤ 0.285V - 2.703
50 ≤ V	≤ 0.142V + 4.445
GLASS-DOOR R	REACH-IN REFRIGERATOR (VCT.SC.M)
0 < V < 15	$\leq 0.095V + 0.445$
15 ≤ V < 30	$\leq 0.05V + 1.12$
30 ≤ V < 50	≤ 0.076V + 0.34
50 ≤ V	≤ 0.105V - 1.111
GLASS-DO	OR REACH-IN FREEZER (VCT.SC.L)
0 < V < 15 $15 \le V < 30$ $30 \le V < 50$ $50 \le V$	≤ 0.232V + 2.36

Exclusions

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



FOOD SERVICE

Undercounter Dishwasher, Commercial

Measure Code	Measure Description	Rebate/Unit
FS062	Undercounter Dishwasher, Hi Temp, Tier 1	\$900.00
FS063	Undercounter Dishwasher, Hi Temp, Tier 2	\$1100.00
FS064	Undercounter Dishwasher, Lo Temp, Tier 1	\$1000.00
FS065	Undercounter Dishwasher, Lo Temp, Tier 2	\$800.00

Unit Definition

The rebate is calculated as dollars per equipment (each).

Measure Type

Normal Replacement

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
FS045	Low-Flow Pre-rinse Spray Valve, Gallons Per Minute (GPM) 0.75 - 1.07	\$20.00
FS046	Low-Flow Pre-rinse Spray Valve, Gallons Per Minute (GPM) < 0.75	\$20.00

Unit Definition

The rebate is calculated as dollars per equipment (each).

Measure Type

Normal Replacement

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 ≤ 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 ≤ 8.0 ozf; and as a new commercial-grade PRSV with a maximum flow rate ≤ 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
FS031	High Performance Conveyor Toaster, Commercial	\$500.00

Unit Definition

The rebate is calculated as dollars per equipment (each).

Measure Type

Normal Replacement

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.

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.



Exhaust Hood Demand Controlled Ventilation, Commercial

Measure Code	Measure Description	Rebate/Unit
SWFS012B	Exhaust Hood Demand Controlled Ventilation on Existing Kitchens, Commercial	\$800.00

Unit Definition

The rebate is calculated as dollars per equipment/system capacity in HP.

Measure Type

Normal Replacement

Eligible Building Types

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

Eligible Products

Requirements for a new commercial kitchen exhaust hood control system are:

- The measure requires the installation of a sensor(s) in the hood exhaust collar or within
 the hood, that senses cooking conditions and allows the system to automatically vary
 the rate of exhaust and make-up airflow. Advanced systems that can communicate
 directly with cooking appliances varying the ventilation rate based on cook cycles are
 allowed in lieu of hood sensors.
- The control system must be used in conjunction with a variable-speed drive (VSD) or directly vary the speed of an EC motor on the exhaust and supply fans. Systems with a single exhaust fan installed on multiple hoods must use balancing dampers to vary the airflow in the separate hoods.
- The control system must be able to control the supply airflow proportional to the
 exhaust airflow on the makeup air side by either varying the speed of the MUA or DOAS
 fan motor or by varying the amount of outside air by controlling a damper. This can be
 done indirectly by the DCKV system through EMS integration or direct communication
 with the MUA or DOAS.
- Installation of new exhaust hoods must have a total of all kitchen hoods' exhaust be ≤ 5,000 cfm as defined in the Measure Case section.

Exclusions

Used or rebuilt controls are not eligible. Additionally, new exhaust hoods systems over 5,000 cfm (as defined in the DCKV Installations on New Exhaust Hoods section above), which have not met any of three alternative options listed in Title 24 Section 140.9(b)2B are not eligible.



APPLIANCE OR PLUG LOAD

Circulating Block Heater

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

Unit Definition

The rebate is calculated as dollars per equipment (each).

Measure Type

Normal Replacement

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.

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
B85	Ozone Laundry	\$44.00

Unit Definition

The rebate is calculated as dollars per unit of washer capacity (lbs per laundry).

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
AP067	Gas Dryer Modulating Valve	\$250.00

Unit Definition

The rebate is calculated as dollars per equipment (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
H103	Commercial Pool and Spa Heater	\$2.00

Unit Definition

The rebate is calculated as dollars per rated equipment capacity in 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 ≥ 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.