

Energy Efficiency Business Rebates Product Catalog

FOOD SERVICE PRODUCTS

Product Code	Product Description	Rebate/Unit	Page #
402004	Fryer: Electric	\$650.00/Vat	7
402005	Fryer: Gas	\$749.00/Vat	
402026	Convection Oven: Electric	\$350.00/Oven	7
402027	Convection Oven: Gas	\$500.00/Oven	
402029	Gas Rack Oven: Double	\$2,000.00/Unit	7
402032	Kitchen Ventilation Control: Retrofit	\$1,500.00/Fan HP	8
402033	Kitchen Ventilation Control: New	\$750.00/Fan HP	
402135	Steam Cooker: Electric	\$1,600.00 /Steamer	7
402136	Steam Cooker: Gas	\$2,000.00/Steamer	
402160	Glass-Door Reach-in Freezer 15-29 ft³	\$100.00/Unit	9
402161	Glass-Door Reach-in Freezer 30-49 ft³	\$165.00/Unit	
402159	Glass-Door Reach-in Freezer 50 ft³ and over	\$250.00/Unit	
462971	Griddle: Electric	\$200.00/Linear Foot	9
462972	Griddle: Gas	\$100.00/Linear Foot	
463498	Combination Oven < 15 Pans: Electric	\$1,200.00/Oven	10
463499	Combination Oven 15-28 Pans: Electric	\$1,200.00/Oven	
463500	Combination Oven > 28 Pans: Electric	\$3,500.00/Oven	
463501	Combination Oven < 15 Pans: Gas	\$1,100.00/Oven	
463502	Combination Oven 15 - 28 Pans: Gas	\$1,000.00/Oven	
463503	Combination Oven > 28 Pans: Gas	\$2,000.00/Oven	
464053	Ice Machine SCU < 110 lbs./day: New	\$50/Unit	11
464054	Ice Machine SCU < 110 lbs./day: Retrofit		
464055	Ice Machine SCU 110 – 200 lbs./day: New	\$150.00/Unit	
464056	Ice Machine SCU 110 – 200 lbs./day: Retrofit		
464057	Ice Machine SCU > 200 lbs./day: New	\$200.00/Unit	
464058	Ice Machine SCU > 200 lbs./day: Retrofit		
464059	Ice Machine IMH < 300 lbs./day: New	\$75/Unit	
464060	Ice Machine IMH < 300 lbs./day: Retrofit		
464061	Ice Machine IMH 300 – 799 lbs./day: New	\$125.00/Unit	
464062	Ice Machine IMH 300 – 799 lbs./day: Retrofit		
464063	Ice Machine IMH 800 – 1499 lbs./day: New	\$200.00/Unit	
464064	Ice Machine IMH 800 – 1499 lbs./day: Retrofit	\$200.00/Unit	

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464065	Ice Machine IMH > 1500 lbs./day: New	\$300/Unit	11
464066	Ice Machine IMH > 1500 lbs./day: Retrofit		
464067	Ice Machine RCU < 988 lbs./day: New	\$300/Unit	
464068	Ice Machine RCU < 988 lbs./day: Retrofit		
464069	Ice Machine RCU ≥ 988 lbs./day: New	\$400.00/Unit	
464070	Ice Machine RCU ≥ 988 lbs./day: Retrofit		

REFRIGERATION PRODUCTS			
Product Code	Production Description	Rebate/Unit	Page #
402152	Refrigeration Display Case with Doors: Low Temp	\$75.00/Linear Foot	13
402153	Refrigeration Display Case with Doors: Medium Temp		
465293	Anti-Sweat Heater Controls: Low Temp	\$25.00/Linear Foot	13
465295	Anti-Sweat Heater Controls: Medium Temp		
467192	Saturated Discharge Controls: Air-cooled	\$29.00/Capacity Ton	14
467194	Saturated Discharge Controls with Variable speed fan: Air-cooled	\$200.00/Capacity Ton	
467196	Saturated Discharge Controls: Evap-cooled	\$29.00/Capacity Ton	
467198	Saturated Discharge Controls with Variable speed fan: Evap-cooled	\$200.00/Capacity Ton	
467200	Saturated Suction Controls: Air-cooled	\$29.00/Capacity Ton	14
467202	Saturated Suction Controls: Evap-cooled		
467205	High Efficiency Ultra Low Temp Freezer (24 to 29 ft. ³): New	\$600.00/Unit	15
467206	High Efficiency Ultra Low Temp Freezer (24 to 29 ft. ³): Retrofit		

NATURAL GAS PRODUCTS			
Product Code	Product Description	Rebate/Unit	Page #
402421	Ozone Laundry System	\$39.00/lb.	17
465438	30 Gallon MedDraw Storage Water Heater, UEF ≥ 0.64: Retrofit	\$2.00/ Cap-kBtuh	17
465440	40 Gallon MedDraw Storage Water Heater, UEF ≥ 0.64: Retrofit		
465441	40 Gallon HiDraw Storage Water Heater, UEF ≥ 0.68: Retrofit		
465442	50 Gallon MedDraw Storage Water Heater, UEF ≥ 0.64: Retrofit		
465443	50 Gallon HiDraw Storage Water Heater, UEF ≥ 0.68: Retrofit	\$2.00/ Cap-kBtuh	



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465474	Large Storage Water Heater – TE > 0.83 ≤ 0.90	\$2.00/ Cap-kBtuh	18
463333	Large Storage Water Heater – TE > 0.90		
466583	Large Instantaneous Heaters, >200 kBtu/hr, 80% TE	\$0.50/Cap-kBtuh	18
466585	Large Instantaneous Heaters, >200 kBtu/hr, 90% TE		
466586	Process Boiler-Hot Water – 85% CE	\$0.50/Cap-kBtuh	19
466588	Process Boiler-Hot Water – 90% CE		
466957	Steam Trap Replacement	\$100.00/Unit	19

OTHER TECHNOLOGY PRODUCTS

Product Code	Product Description	Rebate/Unit	Page #
465336	Greenhouse Heat Curtains *Pre-Inspection Required*	\$0.20/Square Foot	22
463521	Pool Cover - Outdoor	\$1.00/Square Foot	23

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GENERAL REQUIREMENTS

- Customers must have an active San Diego Gas & Electric® (SDG&E) commercial, industrial or agricultural electric account if applying for an electric measure and an SDG&E gas account if applying for a gas measure.
- Customer must adhere to all program requirements. Additionally, customer must provide all information when a **'Data Collection Requirements'** section is present.
- Applied products must be installed and operational before the rebate application is submitted to SDG&E.
- All rebates apply toward the purchase of new or replacement energy-efficient equipment. New, used or rebuilt equipment is not eligible.
- Customer must provide proof that product(s) meet the energy efficiency requirements.
- It is the responsibility of the customer to ensure the equipment to be installed adheres to all state, local and national building codes or ordinances, as well as the manufacturer's requirements.
- **Several products offered through the Energy Efficiency Business Rebates program are provided at no cost or at a discount for qualified customers through SDG&E's Business Energy Solutions program. Customers with a monthly electrical demand less than 200 kW may participate and should visit sdge.com/BES or call our Energy Savings Center at 1-800-644-6133 for details.**

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FOOD SERVICE/REFRIGERATION REQUIREMENTS & DEFINITIONS

- All foodservice equipment must be listed on caenergywise.com to qualify or www.energystar.gov/products, unless otherwise noted in the product requirement section.
- Medium temperature refers to refrigerated space temperatures between 1°F and 35°F. Low temperature covers temperatures below 0°F.

ASHRAE

The American Society of Heating, Refrigerating and Air-Conditioning Engineers.

ASTM

American Society for Testing and Materials.

CEE

Consortium for Energy Efficiency. CEE Tier specifications are available at <http://www.cee1.org>.

ENERGY STAR

ENERGY STAR specifications are available at: www.energystar.gov/cfs.

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FOOD SERVICE PRODUCTS

COMMERCIAL FRYER

Requirements:

- The commercial natural gas and electric fryer must meet ENERGY STAR® specifications for energy efficiency or must be listed on caenergywise.com to qualify.
- Multiple vat configurations are paid per qualifying vat.
- Fryer must also meet the tested requirements below:

Commercial Fryer Table

Product Code	Description	Cooking Efficiency	Idle Energy Rate	Rebate/Unit
402004	Electric Fryer (vat width <18 inches)	80%	≤ 1,000 W	\$650.00/Vat
402005	Gas Fryer (vat width <18 inches)	50%	≤ 9,000 Btu/h	\$749.00/Vat

COMMERCIAL CONVECTION OVEN

Requirements:

- Must be listed in the California Energy Commission database and meet ENERGY STAR® specifications for energy efficiency or be listed on caenergywise.com.

Commercial Convection Table

Product Code	Description	Rebate/Unit
402026	Commercial Electric Convection Oven	\$350.00/Oven
402027	Commercial Gas Convection Oven	\$500.00/Oven

COMMERCIAL RACK OVEN (NATURAL GAS)

Requirements:

- The commercial natural gas rack oven must meet ENERGY STAR® specifications for energy efficiency or must be listed on caenergywise.com to qualify.

Commercial Rack Oven (Natural Gas) Table

Product Code	Description	Rebate/Unit
402029	Commercial Gas Rack Oven –Double	\$2,000.00/Unit

COMMERCIAL STEAM COOKER

Requirements:

- The commercial natural gas and electric steam cooker must meet ENERGY STAR® specifications for energy efficiency or must be listed on caenergywise.com to qualify.

Commercial Steam Cooker Table

Product Code	Description	Rebate/Unit
402135	Steam Cooker: Electric	\$1,600.00/Steamer
402136	Steam Cooker: Gas	\$2,000.00/Steamer

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COMMERCIAL KITCHEN VENTILATION CONTROL

Requirements:

- The control system must be listed on California Energy Wise and meet the criteria below to qualify.
 - California Energy Wise: <http://caenergywise.com/rebates>
- The new commercial kitchen exhaust hood control system must be installed in an existing or a new dedicated commercial kitchen exhaust hood and makeup air system.
- Installation must include temperature sensor(s) in the hood exhaust collar or within the hood, and/or an optic sensor on the end of the hood or within the hood that senses cooking conditions.
- The control system must be used in conjunction with a variable-speed drive (VSD) on the fan motor.
- Installations in a new exhaust hood must have a total kitchen hood airflow $\leq 5,000$ cfm.
- If installed in an existing exhaust hood $> 5,000$ cfm, the existing hood must have been installed before July 1, 2014 due to code requirements.
- To comply with SB 454, applicant must use a licensed contractor, as appropriate, and follow applicable permitting requirements for this installation. Both the customer certification and the contractor certification in section 10 of the Energy Efficiency Business Rebates application must be completed for this HVAC related product.

Data Collection Requirements:

- Must provide verification of total exhaust cfm controlled by the new or existing kitchen hood.

Restrictions:

- Used or rebuilt controls are not eligible.
- Systems with total kitchen hood airflow $> 5,000$ cfm installed after July 1, 2014 are not eligible.

Commercial Kitchen Ventilation Control Table

Product Code	Description	Rebate/Unit
402032	Kitchen Ventilation Control: Retrofit	\$1,500.00/Fan HP
402033	Kitchen Ventilation Control: New	\$750.00/Fan HP

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COMMERCIAL GLASS DOOR FREEZER

Requirements:

- The refrigeration system shall be built-in (packaged). Cases with remote refrigeration systems do not qualify.
- Used or rebuilt equipment is not eligible.
- Qualifying models must be listed on caenergywise.com and meet ENERGY STAR® specifications for energy efficiency as listed in Table below.

Maximum Daily Energy Consumption Requirements

Product Volume (in cubic feet)	Freezer (Glass Door)
$15 \leq V < 30 \text{ ft}^3$	$\leq 0.232V + 2.36 \text{ kWh/day}$
$30 \leq V < 50 \text{ ft}^3$	
$50 \leq V \text{ ft}^3$	

V = Internal volume in ft³ (cubic foot)

Restrictions:

- Used or rebuilt equipment are not eligible.
- Units with remote refrigeration systems do not qualify.

Commercial Glass Door Freezer Table

Product Code	Description	Rebate/Unit
402160	Glass-Door Reach-in Freezer 15-29 ft ³	\$100.00/Unit
402161	Glass-Door Reach-in Freezer 30-49 ft ³	\$165.00/Unit
402159	Glass-Door Reach-in Freezer 50 ft ³ and over	\$250.00/Unit

COMMERCIAL GRIDDLE

Requirements:

- The commercial natural gas and electric griddle must meet ENERGY STAR® specifications for energy efficiency or must be listed on caenergywise.com to qualify.

Restrictions:

- Double-sided griddles are not eligible.
- Used or rebuilt equipment are not eligible.

Commercial Griddle Table

Product Code	Description	Rebate/Unit
462971	Griddle: Electric	\$200.00/Linear Foot
462972	Griddle: Gas	\$100.00/Linear Foot

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COMMERCIAL COMBINATION OVEN

Requirements:

- The commercial electric and natural gas combination oven must meet ENERGY STAR® specifications for energy efficiency or must be listed on caenergywise.com to qualify.
- Must meet the tested efficiency requirements listed in the table below.

Restrictions:

- Used or rebuilt equipment are not eligible.

Efficiency Requirements

Type	Capacity (pans)	Cooking Energy Efficiency		Idle Energy Rate		Production Capacity (lb/hr)	
		Oven Mode	Steam Mode	Oven Mode	Steam Mode	Oven Mode	Steam Mode
Electric	< 15	≥ 70%	≥ 50%	2,000 W	5,000 W	100	120
	15-28			2,500 W	6,000 W	125	200
	> 28			4,000 W	9,000 W	325	400
Gas	< 15	≥ 44%	≥ 38%	8,000 Btu/hr	15,000 Btu/hr	100	120
	15-28			10,000 Btu/hr	18,000 Btu/hr	125	200
	> 28			16,000 Btu/hr	28,000 Btu/hr	325	400

Commercial Combination Oven Table

Product Code	Description and Required Efficiency	Rebate/Unit
463498	Combination Oven < 15 Pans: Electric	\$1,200.00/Oven
463499	Combination Oven 15-28 Pans: Electric	\$1,200.00/Oven
463500	Combination Oven > 28 Pans: Electric	\$3,500.00/Oven
463501	Combination Oven < 15 Pans: Gas	\$1,100.00/Oven
463502	Combination Oven 15 - 28 Pans: Gas	\$1,000.00/Oven
463503	Combination Oven > 28 Pans: Gas	\$2,000.00/Oven

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COMMERICAL ICE MACHINES

Requirements:

- Qualifying models must meet Qualified Ice Maker specifications listed on caenergywise.com.
- Only air-cooled machines (self-contained, icemaker heads, or remote condensing) are eligible.
- To qualify the entire Air Conditioning, Heat and Refrigeration Institute (AHRI) tested ice-making system must be purchased. Remote machines must be purchased with qualifying remote condenser or remote condenser/compressor unit.
- Models must meet Energy Star Version 3.0 specifications listed below.

Restrictions:

- Used or rebuilt equipment are not eligible.
- Water-cooled ice machines do not qualify.

ENERGY STAR V3.0 Program Requirements for Batch Type Automatic Commercial Ice Makers

Equipment Type	Daily Ice Harvest Rate (lbs. ice/24 hrs.)	Maximum Daily Energy Use (kWh/100 lbs. ice)	Maximum Daily Potable Water Use Limit (gal/100 lbs. ice)
Ice Maker Head (IMH)	$H < 300$	$9.20 - 0.01134 \times H$	20
	$300 \leq H < 800$	$6.49 - 0.0023 \times H$	
	$800 \leq H \leq 1500$	$5.11 - 0.00058 \times H$	
	$1500 \leq H \leq 4000$	4.24	
Remote Condensing Unit (RCU)	$H < 988$	$7.17 - 0.00308 \times H$	20
	$988 \leq H \leq 4000$	4.13	
Self-Contained Unit (SCU)	$H < 110$	$12.57 - 0.0399 \times H$	25
	$110 \leq H < 200$	$10.56 - 0.0215 \times H$	
	$200 \leq H \leq 4000$	6.25	

ENERGY STAR V3.0 Program Requirements for Continuous Type Automatic Commercial Ice Makers

Equipment Type	Daily Ice Harvest Rate (lbs. ice/24 hrs.)	Maximum Daily Energy Use (kWh/100 lbs. ice)	Maximum Daily Potable Water Use Limit (gal/100 lbs. ice)
Ice Maker Head (IMH)	$H < 310$	$7.90 - 0.005409 \times H$	15
	$310 \leq H < 820$	$7.08 - 0.002752 \times H$	
	$820 \leq H \leq 4000$	4.82	
	$H < 800$	$7.76 - 0.00464 \times H$	
Remote Condensing Unit (RCU)	$800 \leq H \leq 4000$	4.05	15
	$H < 200$	$12.37 - 0.0261 \times H$	
Self-Contained Unit (SCU)	$200 \leq H < 700$	$8.24 - 0.005429 \times H$	15
	$700 \leq H \leq 4000$	4.44	
	$H < 310$	$7.90 - 0.005409 \times H$	

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Commercial Ice Machines Table

Product Code	Description (Ice Harvest Rate Capacity)	Rebate/Unit
464053	Ice Machine SCU < 110 lbs./day: New	\$50/Unit
464054	Ice Machine SCU < 110 lbs./day: Retrofit	
464055	Ice Machine SCU 110 – 200 lbs./day: New	\$150.00/Unit
464056	Ice Machine SCU 110 – 200 lbs./day: Retrofit	
464057	Ice Machine SCU > 200 lbs./day: New	\$200.00/Unit
464058	Ice Machine SCU > 200 lbs./day: Retrofit	
464059	Ice Machine IMH < 300 lbs./day: New	\$75/Unit
464060	Ice Machine IMH < 300 lbs./day: Retrofit	
464061	Ice Machine IMH 300 – 799 lbs./day: New	\$125.00/Unit
464062	Ice Machine IMH 300 – 799 lbs./day: Retrofit	
464063	Ice Machine IMH 800 – 1499 lbs./day: New	\$200.00/Unit
464064	Ice Machine IMH 800 – 1499 lbs./day: Retrofit	
464065	Ice Machine IMH > 1500 lbs./day: New	\$300/Unit
464066	Ice Machine IMH > 1500 lbs./day: Retrofit	
464067	Ice Machine RCU < 988 lbs./day: New	\$300/Unit
464068	Ice Machine RCU < 988 lbs./day: Retrofit	
464069	Ice Machine RCU ≥ 988 lbs./day: New	\$400.00/Unit
464070	Ice Machine RCU ≥ 988 lbs./day: Retrofit	

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REFRIGERATION PRODUCTS

REFRIGERATION DISPLAY CASE WITH DOORS

Requirements:

- This measure is applicable for supermarkets and grocery stores with stand-alone and/or multiplex compressor racks that provide refrigeration to remote display cases and walk-in coolers/freezers. Additionally, they have both medium-temperature and low temperature open multi-deck refrigeration cases.
- Must replace an existing, open, multi-deck display case with a new reach-in unit with doors, electronically commutated motor (ECM) evaporator fan(s), and LED lighting.
- Medium-temperature cases must have no heat in the door. Heat is allowed in the frames of medium temperature cases.
- Low-temperature case door and frame heaters combined may not consume more than 50 W/ft of case length.
- The new case length must be less than or equal to the original case length.
- This measure is only for display cases served by a remote refrigeration system.

Restrictions:

- Specialty deli cases, custom coolers/freezers, and walk-in boxes with reach-in doors are not eligible.
- Refurbished cases are not eligible unless compliant with the 2012 Federal Efficiency Standards (see Code Requirements).
- Display case replacements that are part of large-scale store remodels and any new construction projects should be revised to be custom measures. Large-scale remodels are defined as any project involving 50% of the linear feet of refrigerated casework or 32 linear feet of casework replacements, whichever is less.

Refrigeration Display Case with Doors Table

Product Code	Description	Rebate/Unit
402152	Refrigeration Display Case with Doors: Low Temp	\$75.00/Linear Foot
402153	Refrigeration Display Case with Doors: Medium Temp	\$75.00/Linear Foot

ANTI-SWEAT HEATER CONTROLS

Requirements:

- This product is applicable for any existing commercial building type, including (but not limited to) supermarkets, grocery stores, hotels, restaurants, and convenience stores.
- To qualify, the display case must be equipped with humidity-sensing controls that reduce the amount of power supplied to the heaters as the store dew point (DP) temperature decreases.
- Typically, power reduction occurs when relative humidity levels reach 55% and lower. Power reduction should decrease by at least 2% for every percentage the humidity falls below 55%.
- Equivalent technologies that can reduce or turn off ASHs based on the amount of condensation formed on the inner glass pane may also qualify.

Data Collection Requirements:

- Must provide the vintage of the building and the refrigeration multiplex system.

Restrictions:

- This product cannot be used in conjunction with product code 402152 and 402153.

Anti-Sweat Heater Controls Table

Product Code	Description	Rebate/Unit
465293	Anti-Sweat Heater Controls: Low Temp	\$25.00/Linear Foot
465295	Anti-Sweat Heater Controls: Medium Temp	\$25.00/Linear Foot

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SATURATED DISCHARGE CONTROLS

Requirements:

- Controls must be added to an existing air-cooled or evaporative-cooled multiplex refrigeration system that has a fixed Saturated Condensing Temperature (SCT) control.
- Controls must float head pressure down to a lower pressure when conditions permit (i.e., changes control from fixed set point to floating set point), reducing the SCT setpoint to a minimum of 70°F based on ambient conditions.
- The new SCT setpoint must be ambient following by controlling condenser fans with variable-speed drives or by staging condenser fans.
- For air-cooled systems, the SCT must be controlled to follow +12°F temperature difference or lower.
- For evaporative-cooled systems, the SCT must be controlled to follow a +17°F temperature difference or lower.
- If back-flood controls are present, the back-flood control setpoint must be 68°F or lower.
- Rebate is based on the design cooling load (tons), which accounts for connected display cases, walk-in coolers and freezers, and cooled storage and prep areas only.

Data Collection Requirements:

- Must provide the vintage of the building and the refrigeration multiplex system.

Restrictions:

- Projects that only reprogram a controller are not eligible.
- Sub-cooler loads and air conditioning loads are not eligible.
- Multiplex systems majorly upgraded or installed after July 1, 2014 do not qualify since the Title-24 code mandates floating controls.

Saturated Discharge Controls Table

Product Code	Description	Rebate/Unit
467192	Saturated Discharge Controls: Air-cooled	\$29.00/Capacity Ton
467194	Saturated Discharge Controls with Variable speed fan: Air-cooled	\$200.00/Capacity Ton
467196	Saturated Discharge Controls: Evap-cooled	\$29.00/Capacity Ton
467198	Saturated Discharge Controls with Variable speed fan: Evap-cooled	\$200.00/Capacity Ton

SATURATED SUCTION CONTROLS

Requirements:

- Controls must be added to an existing air-cooled or evaporative-cooled multiplex refrigeration system that has a fixed Saturated Suction Temperature (SST) control.
- Controls must raise suction pressure during periods of low fixture loads to the highest point that can still maintain setpoint temperatures at monitored cases on the suction circuit.
- The maximum suction setpoint is 5°F above the design temperature. The minimum suction setpoint should be the same as the existing refrigeration system.
- Rebate is based on the design cooling load (tons), which accounts for connected display cases, walk-in coolers and freezers, and cooled storage and prep areas only.

Data Collection Requirements:

- Must provide the vintage of the building and the refrigeration multiplex system.

Restrictions:

- Projects that only reprogram a controller are not eligible.
- Sub-cooler loads and air conditioning loads are not eligible.
- Multiplex systems majorly upgraded or installed after July 1, 2014 do not qualify since the Title-24 code mandates floating controls.

Saturated Suction Controls Table

Product Code	Description	Rebate/Unit
467200	Saturated Suction Controls: Air-cooled	\$29.00/Capacity Ton
467202	Saturated Suction Controls: Evap-cooled	

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HIGH EFFICIENCY ULTRA LOW TEMP FREEZERS

Requirements:

- Qualifying freezers must be listed on [Energy Star®](#) to be eligible, or the maximum daily energy consumption (MDEC) of an Ultra Low Temp freezer at -75 °C (-103 °F) is 0.55 kWh/day/ft³
- Volume must be $\geq 24 \text{ ft}^3 \leq 29 \text{ ft}^3$.
- Freezer must be capable of maintaining temperatures down between -70 °C and -80 °C (-94 °F and -112 °F)
- The rebate is only applicable for the existing building types: Education – University, Health/Medical – Hospital, Manufacturing – Biotech, and Manufacturing – Pharmaceuticals.

High Efficiency Ultra Low Freezers Table

Product Code	Description	Rebate/Unit
467205	High Efficiency Ultra Low Temp Freezer (24 to 29 ft. ³): New	\$600.00/Unit
467206	High Efficiency Ultra Low Temp Freezer (24 to 29 ft. ³): Retrofit	

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NATURAL GAS REQUIREMENTS & DEFINITIONS

The California Energy Commission (CEC) and/or Gas Appliance Manufacturers Association (GAMA) equipment efficiency listed ratings prevail over all submitted technical documentation, unless otherwise approved.

BUBBLE DIFFUSION

A method of inserting ozone into water by continuously bubbling ozone directly into the sump of the washer throughout the wash cycle.

COMBUSTION EFFICIENCY (CE)

100 times (1 - energy lost to flue) divided by input energy.

Cap-kBtuh

1,000 Btuh.

THERMAL EFFICIENCY (TE)

100 times useful energy output divided by input energy.

TOTAL WASHER CAPACITY

Refers to rated capacity of installed and operating washing machine units that will be connected to the ozone laundry system(s).

VENTURI INJECTION

A method of inserting ozone into water using very high pressure directly into the cold-water supply line leading to the washer.

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NATURAL GAS PRODUCTS

OZONE LAUNDRY SYSTEM

Requirements:

- Customer must have a natural gas-fired boiler or natural gas water heater that supplies hot water to the on-premise laundry equipment.
- The washing capacity of each washing machine must be rated at 200 pounds or less.
- The ozone laundry system(s) must be a new purchased product and installed with a new or existing commercial washing machine(s) at a hotel/motel, health center, nursing home, or correctional facility.
- The ozone laundry system(s) must transfer ozone into the water with either the venturi injection or bubble diffusion process.
 - Venturi Injection: Ozone is injected into the cold-water supply line leading to the washer.
 - Bubble Diffusion: Ozone is continuously injected directly into the sump of the washer throughout each step of the wash cycle.
- Rebate is per pound of total onsite washer capacity.

Restrictions:

- Laundry systems equipped with tunnel washers are not eligible.
- Multifamily facilities do not qualify.

Ozone Laundry System Table

Product Code	Description	Rebate/Unit
402421	Ozone Laundry System	\$39.00/lb. Washing Machine Capacity

SMALL STORAGE WATER HEATER

Requirements:

- New energy efficient gas storage water heater must replace a standard efficiency gas storage water heater
- Only storage water heaters as defined by the California Energy Commission qualify:
 - Must be used primarily for domestic hot water
 - Have an input rating of less than 4,000 Btu per hour per gallon of stored water
- New water heater must also meet the efficiency requirements and input ratings as shown in the table below.

Restrictions:

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

Small Storage Water Heater Table

Product Code	Description	Required Efficiency	Input Rating	Rebate/Unit
465438	30 Gallon MedDraw Storage Water Heater: Retrofit	UEF ≥ 0.64	≤ 75 kBtu/hr	\$2.00/ Cap-kBtu
465440	40 Gallon MedDraw Storage Water Heater: Retrofit			
465441	40 Gallon HiDraw Storage Water Heater: Retrofit	UEF ≥ 0.68		
465442	50 Gallon MedDraw Storage Water Heater: Retrofit	UEF ≥ 0.64		
465443	50 Gallon HiDraw Storage Water Heater: Retrofit	UEF ≥ 0.68		

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LARGE STORAGE WATER HEATER

Requirements:

- New energy efficient gas storage water heater must replace a standard efficiency gas storage water heater
- Only storage water heaters as defined by the California Energy Commission qualify:
 - Must be used primarily for domestic hot water
 - Have an input rating of less than 4,000 Btu per hour per gallon of stored water
- New water heater must also meet the efficiency requirements and input ratings as shown in the table below.

Restrictions:

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

Large Storage Water Heater Table

Product Code	Description	Required Efficiency	Input Rating	Rebate/Unit
465474	Large Storage Water Heater – TE > 0.83	TE > 0.83 ≤ 0.90	> 75 kBtu/hr	\$2.00/ Cap-kBtuh
463333	Large Storage Water Heater – TE > 0.90	TE > 0.90		

LARGE INSTANTANEOUS (TANKLESS) WATER HEATER

Requirements:

- New energy efficient gas large instantaneous water heater must replace a standard efficiency gas water heater.
- Only large instantaneous water heaters as defined by the California Energy Commission qualify:
 - 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 per gallon of stored water.
- Applicant must provide proof of the tankless nature of the water heater (e.g., manufacturer equipment specification sheets).
- Large instantaneous water heaters must meet efficiency requirements based on size shown in Table below.

Restrictions:

- Water heaters or hot water boilers used for space conditioning, industrial (process) end-use applications, pools, or spas do not qualify.
- Cannot be used to supply hot water to a circulation loop without an intermediary hot water storage tank.

Instantaneous (Tankless) Water Heater Table

Product Code	Description	Required Efficiency	Input Rating	Rebate/Unit
466583	Large Instantaneous Heaters, >200 kBtu/hr, 80% TE	TE ≥ 0.80	≥ 200 kBtu/hr	\$0.50/Cap-kBtuh
466585	Large Instantaneous Heaters, >200 kBtu/hr, 90% TE	TE ≥ 0.90		

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PROCESS BOILER

Requirements:

- Rebate is available to all existing commercial, agriculture, and industrial (nonresidential) buildings. Additionally, industrial end-use customers who manufacture a sellable product (NAICS codes 31-33) qualify for the rebate.
- Boilers must meet efficiency requirements as shown in Table below.

Restrictions:

- Boilers primarily used for space heating, domestic hot water, pools, or spas, and is not eligible for domestic hot water or space heating do not qualify.
- New construction installations are not eligible.

Process Boiler Table

Product Code	Description	Input Rating	Required Efficiency	Rebate/Unit
466586	Process Boiler-Hot Water – 85% CE	< 200,000 kBtu/hr	CE ≥ 85%	\$0.50/Cap-kBtuhr
466588	Process Boiler-Hot Water – 90% CE		CE ≥ 90%	

STEAM TRAPS

Requirements:

- Must be a commercial facility that operates 12-24 hours per day - large commercial facilities with a steam plant operating a steam boiler for 12 to 24 hours per day.
- Steam traps must replace one-to-one an existing failed or older steam traps.
- Steam traps designed for any pipe size are eligible.
- For each steam trap being replaced must provide steam trap manufacturer, model number, specification sheet, paid purchase receipt with tax and proof of shipping.
- Must provide operating pressure of steam system, and construction style (mechanical, thermostatic, or thermodynamic).
- May be asked to verify the location of the replaced steam trap(s) in steam loop.

Restrictions:

- Small commercial facilities which operate their steam systems less than 12 hours per day are not eligible to receive the rebate.
- New construction installations are not eligible.

Steam Traps Table

Product Code	Description & Technical Requirements	Rebate/Unit
466957	Large Commercial Operating System 12-24 hrs./day Dry cleaners excluded. Not available for Industrial and Agricultural Applications.	\$100.00/Unit

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OTHER TECHNOLOGY PRODUCTS

GREENHOUSE HEAT CURTAINS

Requirements:

- **Pre-inspection required!** Applicant must submit an online application at sdge.com/NLRebates to schedule a pre-inspection.
- Rebate is available for existing agricultural or commercial greenhouses for the primary purpose of the production of nursery products, horticultural specialties, or ornamental products.
- Must be a single-layer interior curtain installed for heat retention
- Must be installed in an existing gas-heated greenhouse facility
- The facility must be a greenhouse with the primary purpose of agricultural use.
- The heat curtain must be a new curtain installed where none previously existed or a new curtain that is replacing an existing curtain that is no longer functional.
- The heat curtain must be installed above the conditioned area where the gas heat source provides hot air to plant and seed species.
- The heat curtain must have a natural gas savings rating that meets or exceeds 40%.
- The heat curtain must have a warranty/product life of five years.
- The installation must allow the curtain to be automatically or manually moved into place.

Restrictions:

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

Greenhouse Heat Curtains Table

Product Code	Description	Rebate/Unit
465336	Greenhouse Heat Curtains	\$0.20/Square Foot

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POOL COVER - OUTDOOR

Requirements:

- Eligible facilities are:
 - Existing schools/colleges (educational institutions)
 - City (municipal) recreational centers
 - Home owner associations (e.g., condominiums with common pools)
 - Private/health clubs
 - Multifamily residences (apartment buildings)
- Outdoor and indoor heated swimming pools that do not already have a pool cover qualify for the rebate. Additionally, if the facility has an existing pool cover the pool cover must no longer be in use, has reached the end of its useful life, and is no longer effective to qualify for the rebate.
- The pool must be heated with natural gas.
- The cover must have 1/8" thick (L), high-density polyethylene foam of thermal conductivity (K) Factor 0.25 Btu/ft²-Hr-°F/inch (based upon the ASTM D2326 standard, *withdrawn*).
- The new pool cover must cover at least 95% of the pool
- Proof of minimum five-year warranty (any combination of manufacturers and/or extended applies).
- Proof of cover thickness and K factor (found on the manufacturer specification sheet)
- Olympic size pools must have a storage reel system either manual or automatic winding and are subject to inspection.
- Rebate is applicable to installed pool cover; per pool only
- Rebate is based on the square footage of the pool area
- **100% post inspection**

Restrictions:

- New construction installations are not eligible.

Pool Cover Table

Product Code	Description	Efficiency Requirements	Rebate/Unit
463521	Outdoor Pool Cover	R value $\geq 0.5 \text{ ft}^2 - \text{hr.} - ^\circ\text{F/Btu}$	\$1.00/square foot

Olympic Size – Defined as having a straight length of 25 yards, and a minimum eight lanes whose centerline width must be 2.5 yards (4,592 ft² minimum)

R Value – Thermal Resistance non-dimensional value found using the following formula ($R \text{ value} = t/k$). Where t = thickness of pool cover in inches; and k is the pool cover's thermal conductivity factor with units of BTU/ft² – hr. – °F/inch. Customer's goal is to find a pool cover whose $R \text{ value} \geq 0.5 \text{ ft}^2 - \text{hr.} - ^\circ\text{F/Btu}$.

Sample Calculation: $R = t/k = (1/8")/0.25 \text{ BTU ft}^2\text{-hr-}^\circ\text{F/Btu}$.



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