



# Energy Efficiency Business Rebates Product Catalog

FOOD SERVICE PRODUCTS			
Product Code	Product Description	Rebate/Unit	Page #
402135	Steam Cooker – Electric	\$1,600.00/Steamer	<a href="#">6</a>
402136	Steam Cooker - Gas	\$2,000.00/Steamer	
402004	Fryer – Electric	\$650.00/Vat	<a href="#">6</a>
402005	Fryer - Gas	\$749.00/Vat	
464059	Ice Machine IMH < 300 lbs./day - New	\$75.00/Unit	<a href="#">7</a>
464060	Ice Machine IMH < 300 lbs./day - Retrofit		
464065	Ice Machine IMH > 1500 lbs./day – New	\$300.00/Unit	
464066	Ice Machine IMH > 1500 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/Unit	
464064	Ice Machine IMH 800 – 1499 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		
464057	Ice Machine SCU > 200 lbs./day - New	\$200.00/Unit	
464058	Ice Machine SCU > 200 lbs./day - Retrofit		
464053	Ice Machine SCU < 110 lbs./day - New	\$50.00/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		
462971	Griddle - Electric	\$200.00/Linear Foot	<a href="#">8</a>
462972	Griddle - Gas	\$100.00/Linear Foot	
463498	Combination Oven < 15 Pans - Electric	\$1,200.00/Oven	<a href="#">8</a>
463499	Combination Oven 15-28 Pans - Electric		
463500	Combination Oven > 28 Pans - Electric		



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FOOD SERVICE PRODUCTS			
Product Code	Production Description	Rebate/Unit	Page #
463501	Combination Oven < 15 Pans - Gas	\$700.00/Oven	<a href="#">8</a>
463502	Combination Oven 15 - 28 Pans – Gas	\$1,000.00/Oven	
463503	Combination Oven > 28 Pans - Gas	\$2,000.00/Oven	
402026	Convection Oven – Electric	\$350.00/Oven	<a href="#">8</a>
402027	Convection Oven - Gas	\$500.00/Oven	
402160	Glass-Door Reach-in Freezer 15-29 ft <sup>3</sup>	\$100.00/Unit	<a href="#">9</a>
402161	Glass-Door Reach-in Freezer 30-49 ft <sup>3</sup>	\$165.00/Unit	
402159	Glass-Door Reach-in Freezer 50 ft <sup>3</sup> and over	\$680.00/Unit	
402029	Gas Rack Oven - Double	\$2,000.00/Unit	<a href="#">9</a>
402033	Kitchen Ventilation Control - New	\$750.00/Fan HP	<a href="#">10</a>
402032	Kitchen Ventilation Control - Retrofit	\$1,500.00/Fan HP	

REFRIGERATION PRODUCTS			
Product Code	Production Description	Rebate/Unit	Page #
402153	Refrigeration Display Case with Doors - Medium Temp	\$75.00/Linear Foot	<a href="#">11</a>
402154	High Efficiency Refrigeration Display Case with Special Doors - Low Temp		<a href="#">11</a>
402255	Anti-Sweat Heat (ASH) Controls	\$25.00/Linear Foot	<a href="#">12</a>
402157	Special Doors with Low/No Anti-Sweat Heat Display Case - Low Temp	\$40.00/Linear Foot	<a href="#">12</a>
464030	High Efficiency Ultra Low Temperature Freezer (≥ 24ft. <sup>3</sup> ) – New	\$600.00/Unit	<a href="#">12</a>
464031	High Efficiency Ultra Low Temperature Freezer (≥ 24ft. <sup>3</sup> ) - Retrofit		
462353	Floating Suction Pressure – Grocery <b>*Pre-Inspection Required*</b>	\$29.00/Capacity Ton	<a href="#">13</a>
462354	Floating Head Pressure, Fixed Set Point (air-cooled) – Grocery <b>*Pre-Inspection Required*</b>	\$29.00/Capacity Ton	<a href="#">13</a>
462355	Floating Head Pressure, Fixed Set Point (evap-cooled) – Grocery <b>*Pre-Inspection Required*</b>		
462665	Floating Head Pressure, Variable Set Point (air-cooled) – Grocery <b>*Pre-Inspection Required*</b>	\$51.00/Capacity Ton	<a href="#">14</a>
462666	Floating Head Pressure, Variable Set Point (evap-cooled) – Grocery <b>*Pre-Inspection Required*</b>		



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REFRIGERATION PRODUCTS			
Product Code	Production Description	Rebate/Unit	Page #
462846	Floating Head Pressure, Variable Set Point & Speed (air-cooled) – Grocery <b>*Pre-Inspection Required*</b>	\$200.00/Capacity Ton	<a href="#">14</a>
462993	Floating Head Pressure, Variable Set Point & Speed (evap-cooled) – Grocery <b>*Pre-Inspection Required*</b>		
462817	Floating Suction Pressure – Refrigerated Warehouse <b>*Pre-Inspection Required*</b>	\$44.00/Capacity Ton	<a href="#">15</a>
462818	Floating Head Pressure, Fixed Set Point (evap-cooled) – Refrigerated Warehouse <b>*Pre-Inspection Required*</b>	\$29.00/Capacity Ton	<a href="#">15</a>
463325	Floating Head Pressure, Variable Set Point (evap-cooled) – Refrigerated Warehouse <b>*Pre-Inspection Required*</b>	\$51.00/Capacity Ton	<a href="#">16</a>
463326	Floating Head Pressure, Variable Set Point & Speed (evap-cooled) – Refrigerated Warehouse <b>*Pre-Inspection Required*</b>	\$239.00/Capacity Ton	<a href="#">16</a>

NATURAL GAS PRODUCTS			
Product Code	Product Description	Rebate/Unit	Page #
465444	30 Gallon Storage Water Heater – New	\$2.00/MBtuh	<a href="#">18</a>
465438	30 Gallon Storage Water Heater – Retrofit		
465446	40 Gallon Storage Water Heater – New		
465440	40 Gallon Storage Water Heater – Retrofit		
465447	40 Gallon Storage Water Heater – New		
465441	40 Gallon Storage Water Heater – Retrofit		
465448	50 Gallon Storage Water Heater – New		
465442	50 Gallon Storage Water Heater – Retrofit		
465449	50 Gallon Storage Water Heater – New		
465443	50 Gallon Storage Water Heater – Retrofit		
465474	Large Storage Water Heater – TE > 0.83 ≤ 0.90	\$2.00/MBtuh	<a href="#">18</a>
465476	Large Storage Water Heater – TE > 0.90		
464268	Large Instantaneous Hot Water Heater – TE ≥ 0.80 < 0.85	\$0.50/MBtuh	<a href="#">19</a>
402040	Large Instantaneous Hot Water Heater – TE ≥ 0.85 < 0.90		
464270	Large Instantaneous Hot Water Heater – TE ≥ 0.90		
402042	Process Boiler (Water)	\$0.50/MBtuh	<a href="#">19</a>
402044	Direct Contact Water Heater, > 300 MBtuh	\$2.00/MBtuh	<a href="#">20</a>



# Energy Efficiency Business Rebates Catalog

## NATURAL GAS PRODUCTS

Product Code	Product Description	Rebate/Unit	Page #
402051	Steam Trap Replacement Large Commercial operating system 12-24hrs./day <b>Dry cleaners and Agricultural/Industrial accounts excluded</b>	\$100.00/Unit	<a href="#">20</a>
402421	Ozone Laundry System	\$39.00/lb.	<a href="#">21</a>

## OTHER TECHNOLOGY PRODUCTS

Product Code	Product Description	Rebate/Unit	Page #
465336	Greenhouse Heat Curtains <b>*Pre-Inspection Required*</b>	\$0.20/Square Foot	<a href="#">22</a>
401063	Sprinkler to Drip Irrigation	\$44.00/Acre	<a href="#">22</a>
463521	Pool Cover - Outdoor	\$1.00/Square Foot	<a href="#">23</a>

### 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 a SDG&E gas account if applying for a gas measure.
- 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](http://sdge.com/BES) or call our Energy Savings Center at 1-800-644-6133 for details.**

## *Energy Efficiency Business Rebates Catalog*

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### **FOOD SERVICE/REFRIGERATION REQUIREMENTS & DEFINITIONS**

- All foodservice equipment must be listed on [caenergywise.com](http://caenergywise.com) to qualify or [www.energystar.gov/products](http://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](http://www.energystar.gov/cfs).



# Energy Efficiency Business Rebates Catalog

## Food Service Products

### 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](http://caenergywise.com) to qualify.

Commercial Steam Cooker Table

Product Code	Description	Rebate/Unit
402135	Steam Cooker (Electric)	\$1,600.00/steamer
402136	Steam Cooker (Natural Gas)	\$2,000.00/steamer

### 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](http://caenergywise.com) to qualify.
- Multiple vat configurations are paid per qualifying vat.

Commercial Fryer Table

Product Code	Description	Rebate/Unit
402004	Electric Fryer (vat width <18 inches)	\$650.00/vat
402005	Gas Fryer (vat width <18 inches)	\$749.00/vat

# Energy Efficiency Business Rebates Catalog

## COMMERCIAL ICE MACHINES

### Requirements:

- Qualifying models must be listed in the California Energy Commission (CEE) database.
- Qualifying models must meet Qualified Ice Maker specifications listed on [caenergywise.com](http://caenergywise.com).
- Models must meet Energy Star Version 3.0 specifications
- Ice Machines must be tested in accordance with the AHRI Standard 810. Visit [ahrinet.org](http://ahrinet.org) to learn more about product information and testing procedures.
- This specification covers machines generating 60 grams (2oz.) or lighter ice cubes, as well as flaked, crushed and fragmented ice.
- Only air-cooled machines; self-contained (SCU), ice making heads (IMH) or remote condensing (RCU), are eligible.
- To qualify the entire Air Conditioning, Heat and Refrigeration Institute (AHRI) tested ice-making system. Remote machines must be purchased with qualifying remote condenser or remote condenser/compressor unit.
- Rebate amount depends on ice making rate (lbs./day).

**Commercial Ice Machines Table**

Product Code	Description (Ice Harvest Rate Capacity)	Rebate/Unit
464059	Ice Machine IMH < 300 lbs./day - New	\$75.00/unit
464060	Ice Machine IMH < 300 lbs./day - Retrofit	
464065	Ice Machine IMH > 1500 lbs./day – New	\$300.00/unit
464066	Ice Machine IMH > 1500 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/unit
464064	Ice Machine IMH 800 – 1499 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	
464057	Ice Machine SCU > 200 lbs./day - New	\$200.00/unit
464058	Ice Machine SCU > 200 lbs./day - Retrofit	
464053	Ice Machine SCU < 110 lbs./day - New	\$50.00/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	

# Energy Efficiency Business Rebates Catalog

## 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](http://caenergywise.com) to qualify.

**Commercial Griddle Table**

Product Code	Description	Rebate/Unit
462971	Commercial Electric Griddle	\$200.00/linear foot
462972	Commercial Gas Griddle	\$100.00/linear foot

## 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](http://caenergywise.com) to qualify.
- Electric ovens must have a tested steam mode cooking efficiency of ≥ 50%.
- Electric ovens must have a tested convection mode cooking efficiency of ≥ 70%.
- Gas ovens must have a tested steam mode cooking efficiency of ≥ 38%.
- Gas ovens must have a tested convection mode cooking efficiency of ≥ 44%.

**Commercial Combination Oven Table**

Product Code	Description and Required Efficiency	Rebate/Unit
463498	Commercial Electric Combination Oven <15 Pans	\$1,200.00/oven
463499	Commercial Electric Combination Oven 15 to 28 Pans	
463500	Commercial Electric Combination Oven >28 Pans	\$5,300.00/oven
463501	Commercial Gas Combination Oven <15 Pans	\$700.00/oven
463502	Commercial Gas Combination Oven 15 to 28 Pans	\$1,000.00/oven
463503	Commercial Gas Combination Oven >28 Pans	\$2,000.00/oven

## 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](http://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



# Energy Efficiency Business Rebates Catalog

## 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 in the California Energy Commission database 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)
$15 \leq V < 30 \text{ ft}^3$	$\leq 0.733V - 1.000 \text{ kWh/day}$
$30 \leq V < 50 \text{ ft}^3$	$\leq 0.250V + 13.500 \text{ kWh/Day}$
$50 \leq V \text{ ft}^3$	$\leq 0.450V + 3.500 \text{ kWh/Day}$

V = Internal volume in ft<sup>3</sup> (cubic foot)

Products are qualified using ASHRAE standard 72-2005 at 38°F ± 2°F for refrigerators and 0°F ± 2°F for freezers

### Commercial Glass Door Freezer Table

Product Code	Description	Rebate/Unit
402160	Glass-Door Reach-In Freezer 15-29 ft <sup>3</sup>	\$100.00/unit
402161	Glass-Door Reach-In Freezer 30-49 ft <sup>3</sup>	\$165.00/unit
402159	Glass-Door Reach-In Freezer 50 ft <sup>3</sup> and over	\$680.00/unit

## 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](http://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



## Energy Efficiency Business Rebates Catalog

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### COMMERCIAL KITCHEN VENTILATION CONTROL

#### Requirements:

- This rebate applies towards the purchase and installation of a new commercial kitchen exhaust hood control system installed in an existing or new dedicated commercial kitchen exhaust hood and make-up air system.
- The control system must be used in conjunction with variable speed fan motor controls.
- 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.
- New hood installations must have total kitchen hood airflow less than 5,000 CFM.

Commercial Kitchen Ventilation Control Table

Product Code	Description	Rebate/Unit
402032	Retrofit	\$1,500.00/fan hp.
402033	New Hood	\$750.00/fan hp.

# Energy Efficiency Business Rebates Catalog

## Refrigeration Products

### REFRIGERATION DISPLAY CASE WITH DOORS

**Requirements:**

- Must replace an existing open multi-deck display case with a new high efficiency reach-in unit with:
  - Low/no anti-sweat double pane glass doors with heat-reflective treatment or gas fill
  - Electronically Commutated Motor (ECM) fan motors (evaporator and/or condenser)
  - LED Lighting
  - Low or no ASH - If ASH is used, ASH controls are recommended
- Rebate is for medium temperature cases. Heat is allowed in the frame, but not the door.
- This measure can be applied to self-contained or remote cases.
- New case length must be equal to or shorter than original case and are rebated based on their length (linear footage).
- Deli cases, custom coolers/freezers and walk-in boxes with reach-in doors do not qualify.

**NOTE:** Display case replacements that are part of large-scale store remodels and any new construction projects should be processed through SDG&E’s custom incentive programs. 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
402153	New Refrigeration Display Case with Doors (Medium Temp)	\$75.00/linear foot

### HIGH EFFICIENCY LOW TEMP REFRIGERATION DISPLAY CASE WITH SPECIAL DOORS

**Requirements:**

- The new high efficiency reach-in display case must replace an existing low temperature self-contained or remote reach-in. This measure cannot be used in conjunction with measure 402255.

High Efficiency Low Temp Display Case with Special Doors Table

Product Code	Description	Rebate/Unit
402154	New High Efficiency Low Temp Refrigeration Display Case with Special Doors	\$75.00/linear foot

# Energy Efficiency Business Rebates Catalog

## ANTI-SWEAT HEAT (ASH) CONTROLS

### Requirements:

- Must install a device that senses the relative humidity in the air outside of the display case and reduces or turns off the glass door (if applicable) and frame anti-sweat heaters at low humidity conditions.
- Equivalent technologies that can reduce or turn off anti-sweat heater based on the amount of condensation formed on the inner glass pane may also qualify. This measure cannot be used in conjunction with Measure 402153.
- Rebate is based on the total linear footage of the display case.

Anti-Sweat Heat (ASH) Controls Table

Product Code	Description	Rebate/Unit
402255	Anti-Sweat Heat (ASH) Controls	\$25.00/linear foot

## SPECIAL DOORS WITH LOW/NO ANTI-SWEAT HEAT ON LOW TEMP DISPLAY CASES

### Requirements:

- Must replace an existing standard glass door of a low temperature reach-in display case with a special glass door that requires minimum to no anti-sweat heat (ASH). This measure cannot be used in conjunction with measure 402255.
- New Doors must prevent condensation from occurring within the frame assembly.
- Total door rail, glass, and frame heater amperage (at 120 volts) cannot exceed 0.39 amps per foot of display case.
- Rebate is based on number of doors replaced.

Special Doors with Low/No ASH on Low Temp Display Cases Table

Product Code	Description	Rebate/Unit
402157	Special Doors with Low/No Anti-Sweat Heat on Low Temp Display Case	\$40.00/door

## HIGH EFFICIENCY ULTRA LOW TEMP FREEZERS

### Requirements:

- Qualifying freezers must be listed on [Energy Star®](#) to be eligible
- Doors mounted on vertical hinges
- Volume must be between 15 and 29 ft<sup>3</sup> (0.425 -0.821 meters<sup>3</sup>)
- Freezer must be capable of maintaining temperatures down to -80°C

High Efficiency Ultra Low Freezers Table

Product Code	Description	Rebate/Unit
464030	High Efficiency Ultra Low Temperature Freezer, ≥ 24 ft <sup>3</sup> - New	\$600.00/freezer
464031	High Efficiency Ultra Low Temperature Freezer, ≥ 24 ft <sup>3</sup> - Retrofit	

# Energy Efficiency Business Rebates Catalog

## FLOATING SUCTION PRESSURE – GROCERY

### Requirements:

- **Pre-inspection required!** Applicant must submit an online application at [sdge.com/NLRebates](http://sdge.com/NLRebates) to schedule a pre-inspection.
- Controller must increase the suction pressure based on worst-case zone demand.
- The maximum suction setpoint should be 5°F above the design temperature. The minimum suction setpoint should be the same as the base case.
- Controls must be added to an existing refrigeration system with at least five years of remaining useful life, and it cannot have variable speed evaporator fans.
- Equipment must be used for commercial refrigeration.
- Applicant must include a controller specification sheet and original project scope letter.

Floating Suction Pressure Table - Grocery

Product Code	Description	Rebate/Unit
462353	Floating Suction Pressure - Grocery	\$29.00/capacity ton

## FLOATING HEAD PRESSURE – GROCERY (FIXED SET POINT)

### Requirements:

- **Pre-inspection required!** Applicant must submit an online application at [sdge.com/NLRebates](http://sdge.com/NLRebates) to schedule a pre-inspection.
- Controls must be added to an existing refrigeration system with at least five years of remaining useful life.
- Equipment must be used for commercial refrigeration.
- For air-cooled systems, the controls must operate with a 12°F temperature difference.
- For evaporative-cooled systems, the controls must operate with a 17°F temperature difference.
- Controls must change the head pressure based on ambient conditions and allow it to float to a minimum of 70°F.
- Applicant must include a controller specification sheet and original project scope letter.

Floating Head Pressure (Fixed Set Point) Table - Grocery

Product Code	Description	Rebate/Unit
462354	Floating Head Pressure, Fixed Set Point (air-cooled) - Grocery	\$29.00/capacity ton
462355	Floating Head Pressure, Fixed Set Point (evap-cooled) - Grocery	\$29.00/capacity ton

# Energy Efficiency Business Rebates Catalog

## FLOATING HEAD PRESSURE – GROCERY (VARIABLE SET POINT)

### Requirements:

- **Pre-inspection required!** Applicant must submit an online application at [sdge.com/NLRebates](http://sdge.com/NLRebates) to schedule a pre-inspection.
- Controls must replace an existing refrigeration system with at least five years of remaining useful life.
- Equipment must be used for commercial refrigeration.
- For air-cooled systems, the controls must operate with a 12°F temperature difference.
- For evaporative-cooled systems, the controls must operate with a 17°F temperature difference.
- Controller must change the head pressure based on ambient conditions and allow it to float to a minimum of 70°F.
- Applicant must include a controller specification sheet and original project scope letter.

Floating Head Pressure (Variable Set Point) Table - Grocery

Product Code	Description	Rebate/Unit
462665	Floating Head Pressure, Variable Set Point (air-cooled) - Grocery	\$51.00/capacity ton
462666	Floating Head Pressure, Variable Set Point (evap-cooled) - Grocery	\$51.00/capacity ton

## FLOATING HEAD PRESSURE – GROCERY (VARIABLE SET POINT & SPEED)

### Requirements:

- **Pre-inspection required!** Applicant must submit an online application at [sdge.com/NLRebates](http://sdge.com/NLRebates) to schedule a pre-inspection.
- Controls must replace an existing refrigeration system with at least five years of remaining useful life.
- Equipment must be used for commercial refrigeration.
- For air-cooled systems, the controls must operate with a 12°F temperature difference.
- For evaporative-cooled systems, the controls must operate with a 17°F temperature difference.
- Controls must change the head pressure based on ambient conditions and allow it to float to a minimum of 70°F.
- Applicant must include a controller specification sheet and original project scope letter.
- Installation must also include the addition of VSDs to condenser fans. The VSDs will also change the fan speed based on ambient conditions.

Floating Head Pressure (Variable Set Point & Speed) Table - Grocery

Product Code	Description	Rebate/Unit
462846	Floating Head Pressure, Variable Set Point & Speed (air-cooled) - Grocery	\$200.00/capacity ton
462993	Floating Head Pressure, Variable Set Point & Speed (evap-cooled) - Grocery	\$200.00/capacity ton



# Energy Efficiency Business Rebates Catalog

## FLOATING SUCTION PRESSURE - REFRIGERATED WAREHOUSE

### Requirements:

- **Pre-inspection required!** Applicant must submit an online application at [sdge.com/NLRebates](http://sdge.com/NLRebates) to schedule a pre-inspection.
- Controls must increase the suction pressure based on worst-case zone demand.
- The maximum suction setpoint should be 5°F above the design temperature. The minimum suction setpoint should be the same as the base case.
- Controls must be added to an existing refrigeration system with at least five years of remaining useful life, and it cannot have variable speed evaporator fans.
- Equipment must be used to operate a refrigerated warehouse.
- Applicant must include a controller specification sheet and original project scope letter.

Floating Suction Pressure Table – Refrigerated Warehouse

Product Code	Description	Rebate/Unit
462817	Floating Suction Pressure - Refrigerated Warehouse	\$44.00/capacity ton

## FLOATING HEAD PRESSURE – REFRIGERATED WAREHOUSE (FIXED SET POINT)

### Requirements:

- **Pre-inspection required!** Applicant must submit an online application at [sdge.com/NLRebates](http://sdge.com/NLRebates) to schedule a pre-inspection.
- Existing refrigeration system must have at least five years of remaining useful life.
- Equipment must be used to operate a refrigerated warehouse.
- The controls must operate with a 9°F temperature difference.
- Controls must change the head pressure based on ambient conditions and allow it to float to a minimum of 70°F.
- Applicant must include a controller specification sheet and original project scope letter.

Floating Head Pressure (Fixed Set Point) Table – Refrigerated Warehouse

Product Code	Description	Rebate/Unit
462818	Floating Head Pressure, Fixed Set Point (evap-cooled) – Refrigerated Warehouse	\$29.00/capacity ton

# Energy Efficiency Business Rebates Catalog

## FLOATING HEAD PRESSURE – REFRIGERATED WAREHOUSE (VARIABLE SET POINT)

### Requirements:

- **Pre-inspection required!** Applicant must submit an online application at [sdge.com/NLRebates](http://sdge.com/NLRebates) to schedule a pre-inspection.
- Existing refrigeration system must have at least five years of remaining useful life.
- Equipment must be used to operate a refrigerated warehouse.
- The controls must operate with a 9°F temperature difference.
- Controls must change the head pressure based on ambient conditions and allow it to float to a minimum of 70°F.
- Applicant must include a controller specification sheet and original project scope letter.

Floating Head Pressure (Variable Set Point) Table – Refrigerated Warehouse

Product Code	Description	Rebate/Unit
463325	Floating Head Pressure, Variable Set Point (evap-cooled) – Refrigerated Warehouse	\$51.00/capacity ton

## FLOATING HEAD PRESSURE – REFRIGERATED WAREHOUSE (VARIABLE SET POINT & SPEED)

### Requirements:

- **Pre-inspection required!** Applicant must submit an online application at [sdge.com/NLRebates](http://sdge.com/NLRebates) to schedule a pre-inspection.
- Existing refrigeration system must have at least five years of remaining useful life.
- Equipment must be used to operate a refrigerated warehouse.
- The controls must operate with a 9°F temperature difference.
- Controls must change the head pressure based on ambient conditions and allow it to float to a minimum of 70°F.
- Applicant must include a controller specification sheet and original project scope letter.
- Installation must also include the addition of VSDs to condenser fans. The VSDs will also change the fan speed based on ambient conditions.

Floating Head Pressure (Variable Set Point & Speed) Table – Refrigerated Warehouse

Product Code	Description	Rebate/Unit
463326	Floating Head Pressure, Variable Set Point & Speed (evap-cooled)	\$239.00/capacity ton



## ***Energy Efficiency Business Rebates Catalog***

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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.

#### **ANNUAL FUEL UTILIZATION EFFICIENCY (AFUE)**

The ratio of annual output energy to annual input energy.

#### **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.

#### **MBtuh**

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.

# Energy Efficiency Business Rebates Catalog

## Natural Gas Products

### SMALL STORAGE WATER HEATER

#### Requirements:

- Water heaters must be listed on [Energy Star®](#) to be eligible.
- Only storage water heaters as defined by the California Energy Commission qualify, and they must be used primarily for domestic hot water. Equipment used for space conditioning, industrial (process) end-use applications, pools, or spas does not qualify.
- Water heaters must meet or exceed the Unified Energy Factor (UEF) values and other efficiency requirements as shown in Table below.

Small Storage Water Heater Table

Product Code	Description	Required Efficiency	Input Rating	Rebate/Unit
465444	30 Gallon Storage Water Heater – New	UEF 0.64 < 0.68	≤ 75,000 MBtuh	\$2.00/MBtuh
465438	30 Gallon Storage Water Heater – Retrofit			
465446	40 Gallon Storage Water Heater – New	UEF 0.64 < 0.68		
465440	40 Gallon Storage Water Heater – Retrofit			
465447	40 Gallon Storage Water Heater – New	UEF ≥ 0.68		
465441	40 Gallon Storage Water Heater – Retrofit			
465448	50 Gallon Storage Water Heater – New	UEF 0.64 < 0.68		
465442	50 Gallon Storage Water Heater – Retrofit			
465449	50 Gallon Storage Water Heater – New	UEF ≥ 0.68		
465443	50 Gallon Storage Water Heater – Retrofit			

### LARGE STORAGE WATER HEATER

#### Requirements:

- Only storage water heaters as defined by the California Energy Commission qualify, and they must be used primarily for domestic hot water. Equipment used for space conditioning, industrial (process) end-use applications, pools, or spas does not qualify.
- Water heaters must have a NOx emission level that is less than 14 nanograms of NOx (calculated as NO2) per joule of heat output or less than or equal to 20 ppm (at 3% O2, dry)
- Water heaters must meet or exceed the Thermal Efficiency (TE) values and other efficiency requirements as shown in Table below.

Large Storage Water Heater Table

Product Code	Description	Required Efficiency	Input Rating	Rebate/Unit
465474	Large Storage Water Heater	TE > 0.83 ≤ 0.90	> 75,000 MBtuh	\$2.00/MBtuh
465476	Large Storage Water Heater	TE > 0.90		

# Energy Efficiency Business Rebates Catalog

## LARGE INSTANTANEOUS (TANKLESS) WATER HEATER

### Requirements:

- Only instantaneous water heaters as defined by the California Energy Commission qualify, and they must be used primarily for domestic hot water. Equipment used for space conditioning, industrial (process) end-use applications, pools, or spas does not qualify.
- New instantaneous (tankless) water heaters must replace an existing storage water heater.
- Water heaters must provide hot water only when there is a hot water draw from the end use and should not be used to supply hot water to a circulation loop.
- Water heaters must not be connected to an external storage tank.
- Applicant must provide proof of the tankless nature of the water heater (e.g., manufacturer equipment specification sheets).
- Water heaters must meet efficiency requirements based on size shown in Table below.

Instantaneous (Tankless) Water Heater Table

Product Code	Description	Required Efficiency	Input Rating	Rebate/Unit
464268	Large Instantaneous Hot Water Heater	TE ≥ 0.80 < 0.85	≥ 200 MBtuh	\$0.50/MBtuh
402040	Large Instantaneous Hot Water Heater	TE ≥ 0.85 < 0.90		
464270	Large Instantaneous Hot Water Heater	TE ≥ 0.90		

## PROCESS BOILER

Manufacturing – involves the mechanical or chemical transformation of materials or substances into a new product which is neither a structure nor any other fixed improvement.

### Requirements:

- Rebate is available to industrial end-use customers who manufacture a sellable product only (NAICS codes 31-33). Boilers primarily used for domestic hot water, space conditioning, pools, or spas do not qualify.
- A flue gas analysis measured under full load conditions is required to document combustion efficiency after installation is complete.
- Boilers must meet efficiency requirements as shown in Table below.

Process Boiler Table

Product Code	Description	Sub Category	Input Rating	Required Efficiency	Rebate/Unit
402042	Water Process Boiler	Gas-Fired	< 300,000 Btu/h	AFUE ≥ 80%	\$0.50/MBtuh
		Gas-Fired all, except natural draft	≥ 300,000 Btu/h & ≤ 2,500,000 Btu/h	TE ≥ 79%	
			> 2,500,000 Btu/h	TE ≥ 79%	
		Gas-Fired, natural draft	≥ 300,000 Btu/h & ≤ 2,500,000 Btu/h	TE ≥ 77%	
> 2,500,000 Btu/h	TE ≥ 79%				

# Energy Efficiency Business Rebates Catalog

## DIRECT CONTACT WATER HEATER

In direct contact water heater system designs, heat from a flame comes into direct contact with small droplets of cold water which run through a stainless-steel heat exchange media.

### Requirements:

- Only direct contact water heaters for process end-uses qualify (NAICS codes 31-33). Water heater primarily used for domestic hot water, space conditioning, pool or spa use do not qualify.
- Boilers must meet efficiency requirements as shown in Table below.

Direct Contact Water Heater Table

Product Code	Required Efficiency	Rebate/Unit
402044	> 300 MBtuh, ≥ 90% TE	\$2.00/MBtuh

## STEAM TRAPS

### Requirements:

- Must be a commercial facility that operates 12 hours or more.
- New construction is not eligible.
- Steam traps must replace one-to-one an existing failed or older steam traps that have been in service for a minimum of five years.
- 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.

Steam Traps Table

Product Code	Description & Technical Requirements	Rebate/Unit
402051	Large Commercial Operating System 12-24 hrs./day <b>Dry cleaners excluded.</b> <b>Not available for Industrial and Agricultural Applications.</b>	\$100.00/Unit

# Energy Efficiency Business Rebates Catalog

## OZONE LAUNDRY SYSTEM

### Requirements:

- Must have a natural gas-fired boiler or natural gas water heater that supplies hot water to the on-premise laundry equipment.
- This incentive only applies to hotels/motels, nursing homes, OR fitness and recreational sports centers that have on premise laundry operations.
- The ozone laundry system(s) must be a new purchased product and added-on to a new or existing commercial washing machine(s).
- The ozone laundry system(s) must transfer ozone into the water through Venturi Injection OR Bubble Diffusion.
- For hotel customers: The total number of guest rooms must be provided on the invoice.
- Include a manufacturer’s specification sheet documenting manufacturer name, equipment model, and ozone laundry system’s serial number(s).
- Must provide total washer capacity in pounds for operating washer units with ozone laundry system(s) connected.

Ozone Laundry System Table

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

# Energy Efficiency Business Rebates Catalog

## Other Technology Products

### GREENHOUSE HEAT CURTAINS

**Requirements:**

- **Pre-inspection required!** Applicant must submit an online application at [sdge.com/NLRebates](http://sdge.com/NLRebates) to schedule a pre-inspection.
- Only installations of interior curtains for heat retention in existing gas-heated greenhouses qualify
- The rebate applies to new and retrofit curtain system installations in existing greenhouses for specific agricultural end-use
- The agricultural uses include horticultural specialties, such as ornamental floriculture, nursery products and food crops grown under cover (NAICS 1114), and landscape and horticultural services (NAICS 541 & 561), which store agricultural products under cover.
- Product must be designed by the manufacturer to be a heat curtain, and the installation must have the ability to automatically or manually move the curtain into place.
- Curtain must be located such that the gas heat source provides hot air to conditioned space bounded by the curtain.
- Curtain material must have an Energy Savings rating of greater than 40% and must have a warranty/product life of 5 years.
- The manufacturer’s specification sheet, documenting the type of curtain, must be provided.
- Overhang and overlap of curtain material does not qualify for rebate.

**Greenhouse Heat Curtains Table**

Product Code	Description	Rebate/Unit
465336	Greenhouse Heat Curtains	\$0.20/square foot

### SPRINKLER TO DRIP IRRIGATION

**Requirements:**

- Must convert from a high-pressure, impact-type, sprinkler irrigation system (50 psi operating pressure or more at the sprinkler head) to a micro-irrigation system.
- An Assessor’s Parcel Map or other documentation used to verify acreage must be submitted.
- Drip tape systems are not eligible.
- Rebate does not apply to new plantings of vineyards or orchards unless a vineyard or orchard was the previous crop on the field.

**Sprinkler to Drip Irrigation Table**

Product Code	Description	Rebate/Unit
401063	Sprinkler to Drip Irrigation	\$44.00/acre

# Energy Efficiency Business Rebates Catalog

## POOL COVER - OUTDOOR

### Requirements:

- The pool must be heated with natural gas.
- Proof of a minimum five-year warranty (any combination of manufacturer’s and/or extended applies).
- Proof of cover thickness and K factor.
- Olympic size pools must have a storage reel system either manual or automatic winding (subject to inspection).
- Rebate is applicable to installed pool cover, per pool only.

Pool Cover Table

Product Code	Description	Efficiency Requirements	Rebate/Unit
463521	Outdoor Pool Cover	R value $\geq 0.5 \text{ ft}^2 - \text{hr.} - ^\circ\text{F/Btuh}$	\$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 ft<sup>2</sup> minimum)

R Value – Thermal Resistance non-dimensional value found using the following formula (R 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/ft<sup>2</sup> – hr. - °F/inch. Customer’s goal is to find a pool cover whose R 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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