

SDG&E's Business Energy Solutions Program

2022 Product Catalog



Product Code	Product Description	Unit	Co-pay / No Co-pay	Instant Rebate (\$)
LIGHTING				
LED T8 Lamps – UL Type A				
463991	4-foot Interior LED T8 Lamp – UL Type A	Lamp	No Co-pay	N/A
467154	4-foot Parking Garage LED T8 Lamp – UL Type A	Lamp		
LED T8 Lamps – UL Type B				
469182	4-foot Interior LED T8 Lamp – UL Type B (NR)	Lamp	No Co-pay	N/A
469183	4-foot Parking Garage LED T8 Lamp – UL Type B (NR)	Lamp		
469174	4-foot Interior LED T8 Lamp – UL Type B (AR)	Lamp		
469175	4-foot Parking Garage LED T8 Lamp – UL Type B (AR)	Lamp		
LED T8 Lamps – UL Type C				
469200	2-lamp Fixture with 4-foot Interior LED T8 Lamps – UL Type C	Fixture	Co-pay	6.00
469201	2-lamp Fixture with 4-foot Parking Garage LED T8 Lamps – UL Type C	Fixture		6.00
469202	3-lamp Fixture with 4-foot Interior LED T8 Lamps – UL Type C	Fixture		10.00
469203	3-lamp Fixture with 4-foot Parking Garage LED T8 Lamps – UL Type C	Fixture		10.00
469204	4-lamp Fixture with 4-foot Interior LED T8 Lamps – UL Type C	Fixture		13.00
469205	4-lamp Fixture with 4-foot Parking Garage LED T8 Lamps – UL Type C	Fixture		13.00
LED High Bay Luminaires				
467599	Interior LED High Bay Luminaire: 4500 - 5399 lumens, ≥ 150 LPW	Fixture	Co-pay	19.00
467590	Interior LED High Bay Luminaire: 7800 - 9399 lumens, ≥ 130 LPW and <150 LPW	Fixture		13.00
467602	Interior LED High Bay Luminaire: 7800 - 9399 lumens, ≥ 150 LPW	Fixture		19.00
467591	Interior LED High Bay Luminaire: 9400 - 11799 lumens, ≥ 130 LPW and <150 LPW	Fixture		13.00
467603	Interior LED High Bay Luminaire: 9400 - 11799 lumens, ≥ 150 LPW	Fixture		19.00
467592	Interior LED High Bay Luminaire: 11800 - 14799 lumens, ≥ 130 LPW and <150 LPW	Fixture		13.00
467604	Interior LED High Bay Luminaire: 11800 - 14799 lumens, ≥ 150 LPW	Fixture		19.00
467593	Interior LED High Bay Luminaire: 14800 - 18499 lumens, ≥ 135 LPW and <150 LPW	Fixture		13.00
467605	Interior LED High Bay Luminaire: 14800 - 18499 lumens, ≥ 150 LPW	Fixture		19.00
467594	Interior LED High Bay Luminaire: 18500 - 23099 lumens, ≥ 135 LPW and <150 LPW	Fixture		25.00
467606	Interior LED High Bay Luminaire: 18500 - 23099 lumens, > 150 LPW	Fixture		40.00
467595	Interior LED High Bay Luminaire: 23100 - 29999 lumens, ≥ 135 LPW and <150 LPW	Fixture		25.00
467607	Interior LED High Bay Luminaire: 23100 - 29999 lumens, ≥ 150 LPW	Fixture		40.00
467596	Interior LED High Bay Luminaire: 30000 - 38999 lumens, ≥ 135 LPW and <150 LPW	Fixture		25.00
467608	Interior LED High Bay Luminaire: 30000 - 38999 lumens, ≥ 150 LPW	Fixture		40.00
467597	Interior LED High Bay Luminaire: 39000 - 50699 lumens, ≥ 140 LPW and <150 LPW	Fixture		25.00
467609	Interior LED High Bay Luminaire: 39000 - 50699 lumens, ≥ 150 LPW	Fixture		40.00
467598	Interior LED High Bay Luminaire: 50700 - 65899 lumens, ≥ 140 LPW and <150 LPW	Fixture		25.00

Product Code	Product Description	Unit	Co-pay / No Co-pay	Instant Rebate (\$)
LED High Bay Luminaires (continued)				
467610	Interior LED High Bay Luminaire: 50700 - 65899 lumens, \geq 150 LPW	Fixture	Co-pay	40.00
FOOD SERVICE				
Combination Ovens				
463498	Combination Oven: < 15 Pans – Electric	Each	Co-pay	1,200.00
463499	Combination Oven: 15 - 28 Pans – Electric	Each		1,200.00
463500	Combination Oven: > 28 Pans – Electric	Each		2,000.00
463501	Combination Oven: < 15 Pans – Gas	Each		1,100.00
463502	Combination Oven: 15 - 28 Pans – Gas	Each		1,000.00
463503	Combination Oven: > 28 Pans – Gas	Each		2,000.00
Griddles				
462971	Griddle – Electric	Linear Ft.	Co-pay	200.00
462972	Griddle – Gas	Linear Ft.		100.00
Steam Cookers				
402135	Steam Cooker – Electric	Each	Co-pay	2,800.00
402136	Steam Cooker – Gas	Each		1,800.00
Ice Machines				
464054	SCU Ice Machine: < 110 lbs./day	Each	Co-pay	150.00
464056	SCU Ice Machine: 110 - 200 lbs./day	Each		175.00
464058	SCU Ice Machine: > 200 lbs./day	Each		220.00
464060	IMH Ice Machine: < 300 lbs./day	Each		200.00
464062	IMH Ice Machine: 300 - 799 lbs./day	Each		270.00
464064	IMH Ice Machine: 800 - 1499 lbs./day	Each		400.00
464066	IMH Ice Machine: > 1500 lbs./day	Each		500.00
464068	RCU Ice Machine: < 988 lbs./day	Each		395.00
464070	RCU Ice Machine: > 988 lbs./day	Each		500.00
Demand Ventilation Controls				
402032	Demand Ventilation Control – Retrofit	Rated HP	Co-pay	1,500.00
402033	Demand Ventilation Control – New	Rated HP		750.00
Hand Wrap Machine				
465327	Hand Wrap Machine – Electric	Each	Co-pay	125.00
Low Flow Pre-Rinse Spray Valves				
465999	Low-flow Pre-Rinse Spray Valve: 0.75 - 1.07 GPM - New	Each	No Co-pay	N/A
466001	Low-flow Pre-Rinse Spray Valve: 0.75 - 1.07 GPM - Retrofit	Each		
466000	Low-flow Pre-Rinse Spray Valve: < 0.75 GPM – New	Each		
466002	Low-flow Pre-Rinse Spray Valve: < 0.75 GPM – Retrofit	Each		

Product Code	Product Description	Unit	Co-pay / No Co-pay	Instant Rebate (\$)
REFRIGERATION				
Ultra-Low Temperature Freezer				
467206	Ultra-Low Temperature Freezer: ≥ 24 and ≤ 29 ft ³	Each	Co-pay	600.00
Anti-Sweat Heater Controls				
465292	Anti-Sweat Heater Controls – Low Temperature	Linear Ft.	No Co-pay	N/A
Floating Head Pressure Controls				
467192	Saturated Discharge Controls – Air-cooled	Cap-Tons	Co-pay	29.00
467196	Saturated Discharge Controls – Evaporative-cooled	Cap-Tons		
467194	Saturated Discharge Controls with Variable-Speed Fan – Air-cooled	Cap-Tons		
467198	Saturated Discharge Controls with Variable-Speed Fan – Evaporative-cooled	Cap-Tons		
Suction Pipe Insulation				
465489	Insulate Bare Suction Pipes – Cooler	Linear Ft.	No Co-pay	N/A
465493	Insulate Bare Suction Pipes – Freezer	Linear Ft.		
WATER HEATING				
Faucet Aerators				
464077	Faucet Aerator – Private Lavatory: 0.5 GPM	Each	No Co-pay	N/A
464078	Faucet Aerator – Private Lavatory: 1.0 GPM	Each		
464073	Faucet Aerator – Public Lavatory: 0.5 GPM	Each		
464075	Faucet Aerator – Public Lavatory: 1.0 GPM	Each		
Low-flow Showerheads				
466284	Low-flow Showerhead: 1.5 GPM	Each	No Co-pay	N/A
466283	Low-flow Showerhead: 1.8 GPM	Each		
Flow Control Valves				
467843	Faucet Flow Control Valve: 1.0 GPM – Public Lavatory	Each	No Co-pay	N/A
467943	Showerhead Flow Control Valve: 1.5 GPM	Each		
Laminar Flow Restrictors				
466287	Laminar Flow Restrictor: 1.2 GPM – Health Care Facilities	Each	No Co-pay	N/A
466285	Laminar Flow Restrictor: 1.8 GPM – Health Care Facilities	Each		
Pipe/Pipe Fitting Insulation				
466788	1" Pipe Insulation: Hot Water Pipe ≤ 1 " diameter – Indoor	Linear Ft.	No Co-pay	N/A
466734	1" Pipe Insulation: Hot Water Pipe, ≤ 1 " diameter – Outdoor	Linear Ft.		
466789	1" Pipe Insulation: Hot Water Pipe, > 1 ", ≤ 4 " diameter – Indoor	Linear Ft.		

Product Code	Product Description	Unit	Co-pay / No Co-pay	Instant Rebate (\$)
Pipe/Pipe Fitting Insulation				
466735	1" Pipe Insulation: Hot Water Pipe, > 1", ≤ 4" diameter – Outdoor	Linear Ft.	No Co-pay	N/A
466790	1" Pipe Insulation: Hot Water Pipe, > 4" diameter – Indoor	Linear Ft.		
466736	1" Pipe Insulation: Hot Water Pipe, > 4" diameter – Outdoor	Linear Ft.		
466815	1" Fitting Insulation: Hot Water Pipe ≤ 1" diameter – Indoor	Each		
466761	1" Fitting Insulation: Hot Water Pipe ≤ 1" diameter – Outdoor	Each		
466816	1" Fitting Insulation: Hot Water Pipe, > 1", ≤ 4" diameter – Indoor	Each		
466762	1" Fitting Insulation: Hot Water Pipe, > 1", ≤ 4" diameter – Outdoor	Each		
466817	1" Fitting Insulation: Hot Water Pipe, > 4" diameter – Indoor	Each		
466763	1" Fitting Insulation: Hot Water Pipe, > 4" diameter – Outdoor	Each		
466791	1" Pipe Insulation: ≤ 15 psig Steam Pipe, ≤ 1" diameter – Indoor	Linear Ft.		
466737	1" Pipe Insulation: ≤ 15 psig Steam Pipe, ≤ 1" diameter – Outdoor	Linear Ft.		
466792	1" Pipe Insulation: ≤ 15 psig Steam Pipe, > 1", ≤ 4" diameter – Indoor	Linear Ft.		
466738	1" Pipe Insulation: ≤ 15 psig Steam Pipe, > 1", ≤ 4" diameter – Outdoor	Linear Ft.		
466793	1" Pipe Insulation: ≤ 15 psig Steam Pipe, > 4" diameter – Indoor	Linear Ft.		
466739	1" Pipe Insulation: ≤ 15 psig Steam Pipe, > 4" diameter – Outdoor	Linear Ft.		
466794	1" Pipe Insulation: > 15 psig Steam Pipe, ≤ 1" diameter – Indoor	Linear Ft.		
466740	1" Pipe Insulation: > 15 psig Steam Pipe, ≤ 1" diameter – Outdoor	Linear Ft.		
466795	1" Pipe Insulation: > 15 psig Steam Pipe, > 1", < 4" diameter – Indoor	Linear Ft.		
466741	1" Pipe Insulation: > 15 psig Steam Pipe, > 1", ≤ 4" diameter – Outdoor	Linear Ft.		
466796	1" Pipe Insulation: > 15 psig Steam Pipe, > 4" diameter – Indoor	Linear Ft.		
466742	1" Pipe Insulation: > 15 psig Steam Pipe, > 4" diameter – Outdoor	Linear Ft.		
466818	1" Fitting Insulation: ≤ 15 psig Steam Pipe ≤ 1" diameter – Indoor	Each		
466764	1" Fitting Insulation: ≤ 15 psig Steam Pipe ≤ 1" diameter – Outdoor	Each		
466819	1" Fitting Insulation: ≤ 15 psig Steam Pipe, > 1", ≤ 4" diameter – Indoor	Each		
466765	1" Fitting Insulation: ≤ 15 psig Steam Pipe, > 1", ≤ 4" diameter – Outdoor	Each		
466820	1" Fitting Insulation: ≤ 15 psig Steam Pipe, > 4" diameter – Indoor	Each		

Product Code	Product Description	Unit	Co-pay / No Co-pay	Instant Rebate (\$)
Pipe/Pipe Fitting Insulation				
466766	1" Fitting Insulation: ≤ 15 psig Steam Pipe, > 4" diameter – Outdoor	Each	No Co-pay	N/A
466821	1" Fitting Insulation: > 15 psig Steam Pipe ≤ 1" diameter – Indoor	Each		
466767	1" Fitting Insulation: > 15 psig Steam Pipe ≤ 1" diameter – Outdoor	Each		
466822	1" Fitting Insulation: > 15 psig Steam Pipe, > 1", ≤ 4" diameter – Indoor	Each		
466768	1" Fitting Insulation: > 15 psig Steam Pipe, > 1", ≤ 4" diameter – Outdoor	Each		
466823	1" Fitting Insulation: > 15 psig Steam Pipe, > 4" diameter – Indoor	Each		
466769	1" Fitting Insulation: > 15 psig Steam Pipe, > 4" diameter – Outdoor	Each		
Hot Water Tank Insulation				
466693	1" Tank Insulation: Medium Temperature, Low Usage – Indoor	Square Ft.	No Co-pay	N/A
466694	1" Tank Insulation: Medium Temperature, Low Usage – Outdoor	Square Ft.		
466689	1" Tank Insulation: Medium Temperature, High Usage – Indoor	Square Ft.		
466690	1" Tank Insulation: Medium Temperature, High Usage – Outdoor	Square Ft.		
466695	1" Tank Insulation: High Temperature, Low Usage – Indoor	Square Ft.		
466696	1" Tank Insulation: High Temperature, Low Usage – Outdoor	Square Ft.		
466691	1" Tank Insulation: High Temperature, High Usage – Indoor	Square Ft.		
466692	1" Tank Insulation: High Temperature, High Usage – Outdoor	Square Ft.		
466697	2" Tank Insulation: Medium Temperature, High Usage – Indoor	Square Ft.		
466698	2" Tank Insulation: Medium Temperature, High Usage – Outdoor	Square Ft.		
466699	2" Tank Insulation: High Temperature, High Usage – Indoor	Square Ft.		
466700	2" Tank Insulation: High Temperature, High Usage – Outdoor	Square Ft.		

LIGHTING

GENERAL REQUIREMENTS

- Customer must have a San Diego Gas & Electric® (SDG&E) non-residential small commercial electric account.
- All new lighting fixture(s), retrofit kits, and components must carry the appropriate, designated Underwriters Laboratory (UL) or Intertek’s Electrical Testing Labs (ETL) Listed Mark, and must be Restriction of Hazardous Substances Directive (RoHS) compliant.
- In all cases, the wattage of the replacement lighting equipment must be less than the wattage of the existing lighting equipment.
- Storage warehouses (rental spaces) qualify as interior space.
- Parking garages do not qualify as interior space. This includes conditioned and underground parking garages.
- All fixtures must be hardwired.

LED T8 LAMP – UL Type A

Requirements:

- New LED T8 Lamp must be 4-foot and replace an existing 4-foot linear fluorescent T8 lamp.
- LED lamp must be designated as UL Type A or UL Type A+B, but must be configured as UL Type A.
- The lamp must be listed under the Primary Use Category “Replacement Lamps (“plug and play”) (UL Type A)” or “Dual Mode Internal Driver (UL Type A and Type B)” on the current DesignLights Consortium (DLC) qualified product list.
 - DLC: <http://www.designlights.org/QPL>
- TLEDs must be on the current DLC qualified products list and have a listed efficacy on the DLC of 145 LPW or higher.
- The existing linear fluorescent ballast must be used.
- The LED T8 Lamp specification sheet must list all the compatible ballast model numbers to ensure proper operation of the measure.

If the existing ballasts are not listed on the compatible ballast list, the following criteria must be met in order to qualify for a rebate:

 - TLED must be installed in a manner that is consistent with all requirements listed in the TLEDs specification sheet.
 - The ballasts that are not listed on compatible ballast list must be certified by independent test labs for compatibility and the certification must be submitted with the Installation Authorization.
 - If a lab certification is not available a letter from the manufacturer showing ballast compatibility must be submitted as a part of the application.
- Due to testing considerations, only a product that can operate off an electronic instant start ballast is eligible.
- 4-foot Parking Garage LED T8 Lamps must be installed in a structure that meets the following definition:

Parking Garage Building is a building with floor areas used for parking vehicles and consists of at least a roof over the parking area. The building includes areas for vehicle maneuvering to reach designated parking spaces. If the roof of a parking structure is also used for parking, the section without an overhead roof is considered an outdoor parking lot instead of a parking garage.
- New LED T8 Lamp must also meet the efficiency requirements as shown in the table below:

Performance Metric	SDG&E Program Requirement (no tolerance) <i>Values must be listed on DLC</i>
Luminaire Efficacy	≥ 145 LPW
CRI	≥ 80
CCT	2,200 K – 6,500 K
Power Factor	≥ 0.9
Total Harmonic Distortion	≤ 20%
Lumen Maintenance	L70 ≥ 50,000
Minimum Warranty	5 years

- Pre-existing data that must be collected includes:
 1. Total number of fixtures on site
 2. Number of fixtures sampled (must sample at least 10% of the fixtures present)
 3. Number of lamps per fixture
 4. Number of ballasts per fixture
 5. Ballast model number
 6. Ballast manufacturer
 7. Fluorescent lamp wattage
 8. Disposal method of tube
 9. Manufacturer cut sheet showing ballast compatibility

Restrictions:

- De-lamping is not eligible.
- Re-ballast is not eligible.
- Replacement lamps designed to operate off existing magnetic ballasts or off other types of electronic ballasts do not qualify.

LED T8 LAMP – UL Types B & C

Requirements:

- New LED T8 Lamp must be 4-foot and replace an existing 4-foot linear fluorescent T8 lamp or fixtures with 2-lamp, 3-lamp, or 4-lamp fluorescent lamp and ballast systems.
- LED tube must be 4-foot and designated as UL Type B, UL Type A+B, or UL Type C. UL Type A+B (dual mode) lamps must be installed in a Type B configuration with the existing ballast removed.
- The lamp must be listed under the Primary Use Category “Internal Driver/Line Voltage (UL Type B) Lamps”, “Dual Mode Internal Driver (UL Type A and Type B)”, “2-Lamp External Driver (UL Type C) Lamps”, “3-Lamp External Driver (UL Type C) Lamps”, “4-Lamp External Driver (UL Type C) Lamps” on the current Design Lights Consortium qualified product list <http://www.designlights.org/QPL>.
- Must be on the current DLC qualified products list and have a listed efficacy there on the DLC of 160 LPW or higher.
- LED tube must be compatible with the installed system lighting controls. For example, if the lighting system includes dimming controls, the new LED tube must be dimmable and compatible with the installed dimming system.
- New LED T8 Lamp must also meet the efficiency requirements as shown in the table below:

Performance Metric	SDG&E Program Requirement (no tolerance) <i>Values must be listed on DLC</i>
Luminaire Efficacy	≥ 160 LPW
CRI	≥ 80
CCT	2,200 K – 6,500 K
Power Factor	≥ 0.9
Total Harmonic Distortion	≤ 20%
Lumen Maintenance	L70 ≥ 50,000
Minimum Warranty	5 years

- To ensure that code requirements for lighting power and controls are being met, the following data submission requirements must be met for all delivery types and measure application types.
 - Documentation showing that the retrofitted space has achieved a lighting power density that is <80% of allowable Title 24 LPD for that space type.
 - Title 24 compliance documentation verifying the existence of required automated shut-off controls compliant with 2019 Title 24 §130.1(c)1-8 Auto-Shut-off Control.

- The following data collection requirements must be met for accelerated replacement measures:
 - The customer must submit responses to the POE questionnaire document associated with these measures.
 - Pre-existing data that must be collected includes:
 1. Total number of fixtures on site
 2. Number of fixtures sampled (must sample at least 10% of the fixtures present)
 3. Number of lamps per fixture
 4. Fluorescent lamp wattage
 5. Disposal method of tube
 6. Existing automated controls types in the spaces retrofitted

Restrictions:

- De-lamping is not eligible.
- Existing lamps and ballasts must be fully demolished and properly disposed. "Abandon-in-place" demolition of existing ballasts is not eligible.

INTERIOR LED HIGH BAY FIXTURE

Requirements:

- New LED fixture must replace a lumen equivalent lamp/fixture of higher wattage.
- Only interior installations of LED fixtures or retrofit kits listed on the current DesignLights Consortium (DLC) qualified product list qualify.
 - DLC: <http://www.designlights.org/QPL>
- The LED fixture or retrofit kit must be listed on DLC under the General Application Category "High Bay" with the following Primary Use Designations:
 - High-Bay Aisle Luminaires
 - High-Bay Luminaires for Commercial and Industrial Buildings
 - Low-Bay Luminaires for Commercial and Industrial Buildings
 - Retrofit Kits for High-Bay Luminaires for Commercial and Industrial Buildings
 - Retrofit Kits for Low-Bay Luminaires for Commercial and Industrial Buildings
- Fixtures/retrofit kits must meet the minimum efficacy and lumen range for the appropriate product code. Data values for efficacy and lumen output must be listed on DLC.

Restrictions:

- Fixtures listed under a Primary Use Category that begins with "specialty" are not eligible.
- Horticultural installations do not qualify.
- Exterior installations do not qualify.
- Screw-based lamps do not qualify.
- TLED tubes are not eligible

FOOD SERVICE

GENERAL REQUIREMENTS

- Customers must have a SDG&E non-residential public sector electric account if applying for an electric measure, and a gas account if applying for a gas measure.
- All rebates apply toward the purchase of new or replacement energy-efficient equipment. Used or rebuilt equipment is not eligible.
- New equipment must replace existing equipment, unless otherwise noted in the product requirement section.
- All food service equipment must be listed on energystar.gov, to qualify unless otherwise noted in the product requirement section.
- Manufacturer's specification sheets must be provided.

COMBINATION OVEN

Requirements:

- The combination oven must meet the tested efficiency requirements listed in the table below.

		Efficiency Requirements					
		Cooking Energy Efficiency		Idle Energy Rate		Production Capacity (lb/hr)	
Type	Capacity (pans)	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

GRIDDLE

Requirements:

- The griddle manufacturer and model must be ENERGY STAR® qualified.
 - Energy Star: <http://www.energystar.gov/products>

Restrictions:

- Double-sided griddles are not eligible.

ICE MACHINE

Requirements:

- The ice machine must meet ENERGY STAR® V3.0 Program Requirements for Automatic Commercial Ice Makers.
 - Energy Star: <http://www.energystar.gov/products>
- The entire AHRI-tested ice making system must be purchased.
- Remote machines must be purchased with qualifying remote condenser or remote condenser/compressor unit.
- Only air-cooled machines – self-contained (SCU), icemaker heads (IMH), or remote condensing (RCU) – are eligible.

Restrictions:

- Water-cooled ice machines do not qualify.

STEAM COOKER

Requirements:

- The steam cooker manufacturer and model must meet the ENERGY STAR[®] Program Requirements for Commercial Steam Cookers, Version 1.2
 - Energy Star: <http://www.energystar.gov/products>

DEMAND VENTILATION CONTROL

Requirements:

- 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 and allows the system to automatically vary the rate of exhaust and make-up (ventilation) air by adjusting unit fan speeds accordingly.
- 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.
- The customer must provide verification of total exhaust cfm controlled by the new or existing kitchen hood to verify eligibility of the measure.

HAND-WRAP MACHINE

Requirements:

- New hand-wrap machine must be on-demand and replace a conventional or always-on hand-wrap machine.
- The measure must use either a mechanical or optical control system.

LOW-FLOW PRE-RINSE SPRAY VALVE

Requirements:

- Must be either:
 - A new commercial-grade PRSV with a flow rate of .75 - 1.07 gpm for a spray force of >5.0 ozf and ≤ 8.0 ozf. Must replace a PRSV with a maximum flow rate of 1.20 gpm
 - A new commercial-grade PRSV with a maximum flow rate of $\leq .75$ gpm for a spray force of <5.0 ozf. Must replace a PRSV with a maximum flow rate of 1.00 gpm
- This measure is restricted to operations with natural gas water heaters only.

REFRIGERATION

GENERAL REQUIREMENTS

- Customers must have a SDG&E non-residential public sector electric account if applying for an electric measure, and a non-residential gas account if applying for a gas measure.
- The California Energy Commission (CEC) and/or Gas Appliance Manufacturers Association (GAMA) equipment efficiency listed rating prevail over all submitted technical documentation, unless otherwise approved.
- All rebates apply toward the purchase of new or replacement energy-efficient equipment. Used or rebuilt equipment is not eligible.

ULTRA-LOW TEMPERATURE NO COPAYZER

Requirements:

- Ultra-Low Temperature (ULT) freezer must be upright and designed for a laboratory application within the following building types: Education (University), Health/Medical (Hospital), Manufacturing (Biotech or Pharmaceuticals).
- The ULT freezer must maintain a setpoint storage temperature between -70°C and -80°C (-94°F and -112°F).
- The ULT freezer must be listed on Energy Star® to qualify or have a maximum daily energy consumption (MDEC) at -75 °C (-103 °F) of 0.55 kWh/day/ft³.
 - Energy Star: <http://www.energystar.gov/products>
- Volume must be $\geq 24 \text{ ft}^3 \leq 29 \text{ ft}^3$.

ANTI-SWEAT HEATER CONTROLS

Requirements:

- The anti-sweat heater (ASH) controls must be installed on a reach-in display freezer with a case temperature below 32°F.
- 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.
- As the humidity falls below 55%, power reduction should decrease by at least 2% for every percentage drop.
- Equivalent technologies that can reduce or turn off ASHs based on the amount of condensation formed on the inner glass pane *may* also qualify.

Restrictions:

- Multiplex systems majorly upgraded or installed after July 1, 2014 do not qualify since the Title-24 code mandates floating controls.
- This measure cannot be used in conjunction with the new refrigeration display case with doors.
- This measure cannot be used in conjunction with the special doors with low/no anti-sweat heat on low-temperature display case.

FLOATING HEAD PRESSURE 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.

Restrictions:

- Projects that only reprogram a controller are not eligible.
- Buildings constructed after 2013 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.

SUCTION PIPE INSULATION

Requirements:

- The eligible measure offerings for bare refrigeration line insulation are:
 - Insulation of bare suction lines for medium-temperature, walk-in coolers.
 - Insulation of bare suction lines for low-temperature, walk-in freezers.
- Insulation must be added to an existing refrigeration system with un-insulated suction refrigeration pipes that are no more than 1-5/8 inches in diameter.
- Bare suction pipes must be insulated with closed-cell nitrite rubber or equivalent with at least ¾-inch for medium-temperature and 1-inch for low-temperature systems.
- Insulation R-values must be greater than or equal to R-3.2 for medium-temperature cooler pipes.
- Insulation R-values must be greater than or equal to R-4.3 low-temperature freezer pipes.

WATER HEATING

GENERAL REQUIREMENTS

- Customers must have a SDG&E non-residential public sector gas account.
- All rebates apply toward the purchase of new or replacement energy-efficient equipment. Used or rebuilt equipment is not eligible.
- The California Energy Commission (CEC) and/or Gas Appliance Manufacturers Association (GAMA) equipment efficiency listed rating prevail over all submitted technical documentation, unless otherwise approved.

FAUCET AERATOR

Requirements:

- New faucet aerator must have a flow rate of 1.0 GPM or lower and be installed on an existing faucet that has a flow rate of 1.67 GPM or greater.
- Only facilities that utilize natural gas water heating equipment are eligible to receive a rebate.
- The faucet aerator can be installed in a public or private lavatory in a commercial building:
 - A private lavatory faucet is located in an individual dwelling unit such as a private office.
 - A public lavatory faucet is located in a bathroom shared by a communal area, such as a school or office building.

Restrictions:

- Faucets at health care facilities that are subject to the Office of Statewide Health Planning and Development (OSHPD) code and regulation (e.g. hospitals, clinics, skilled nursing facilities) do not qualify. The use of aerators is banned in the health care industry due to aerator flow control methods and components. Non-aerating laminar flow restrictors (LFRs) must be installed on faucets in these facilities.

LOW-FLOW SHOWERHEAD

Requirements:

- New low-flow showerhead must have a flow rate of 1.8 GPM or lower and replace an existing showerhead with a flow rate of 2.5 GPM or greater.
- Only facilities that utilize natural gas water heating equipment are eligible to receive a rebate.
- The installed low-flow showerhead shall meet the requirements of test procedure ANSI/ASME A112.18.12000, Section 5.5
- Make and model number must be included with a copy of the invoice.

SHOWERHEAD FLOW CONTROL VALVE

Requirements:

- New flow control valve must be installed on an existing showerhead with a flow rate of 2.5 GPM or greater, reducing the flow rate to 1.5 GPM or lower.
- Only facilities that utilize natural gas water heating equipment are eligible to receive a rebate.

Restrictions:

- The flow control valve is not eligible in newly constructed buildings, additions to existing buildings, and alterations to existing buildings.

FAUCET FLOW CONTROL VALVE

Requirements:

- New flow control valve must be installed in pairs (one on the cold line inlet and one on the hot line inlet) on an existing faucet that has a flow rate of 1.67 GPM or greater, reducing the flow rate (the combined flow of cold and hot inlet lines) to 1.0 GPM or lower.
- Only facilities that utilize natural gas water heating equipment are eligible to receive a rebate.
- The flow control valve can be installed in a public or private lavatory in a commercial building:
 - A private lavatory faucet is located in an individual dwelling unit such as a private office.
 - A public lavatory faucet is located in a bathroom shared by a communal area, such as a school or office building.

Restrictions:

- Faucets at health care facilities that are subject to the Office of Statewide Health Planning and Development (OSHPD) code and regulation (e.g. hospitals, clinics, skilled nursing facilities) do not qualify.
- The flow control valve is not eligible in newly constructed buildings, additions to existing buildings, and alterations to existing buildings.

LAMINAR FLOW RESTRICTOR

Requirements:

- 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 that utilize natural gas-powered water-heating equipment.
- The laminar flow restrictor must be installed on an existing faucet without a flow restriction device.
- The new device must meet OSHPD code and regulation.
- The laminar flow restrictor must be labeled as "Vandal Proof" or must not be removable without a proprietary tool, except for dialysis and scrub sink locations.

Eligible Building Types

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 No Copay standing from main hospitals
- Doctor offices (e.g. general practitioners, pediatricians, optometrists, chiropractors, etc.)
- Clinics and nursing homes

Restrictions:

- New construction health care facilities do not qualify.

PIPE FITTING INSULATION

Requirements:

- A minimum of one inch of pipe insulation must be added to an existing bare commercial or industrial steel or copper pipe or pipe fitting (elbows, tees, valves, unions, flanges, reducers, bushings, couplings, etc.).
- The pipe must have a minimum diameter of ½-inch and transfer hot water, low-pressure steam, or medium-pressure steam directly from gas-fired equipment.
- 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.
- The manufacturer's specification sheet must be submitted.
- The length of insulation to be installed with each pipe size must be indicated.

Restrictions:

- Insulation required by California Building Energy Efficiency Standards (Title 24) or employee safety laws (Occupational Safety and Health Administration, OSHA) does not qualify.
- Replacement of damaged (existing) insulation does not qualify.

HOT WATER TANK INSULATION

Requirements:

- 1-inch or 2-inch fiberglass or foam insulation must be installed on an existing, bare liquid solution storage or transfer tank.
- The tank must be coupled to gas-fired commercial, industrial, or agriculture equipment that transfers heat to the contained liquid or solution.

Restrictions:

- The following conditions and applications are not eligible:
 - Tanks with pre-existing insulation.
 - Replacement of old or damaged insulation.
 - Tanks insulated to prevent burns.
 - Insulation for exposed hot-water tanks within seven feet of the floor that are not otherwise guarded in such manner as to prevent contact.
- The California Occupational Safety and Health Standards Board, Section 3308 requires employers to insulate or guard hot pipes and hot surfaces of 140 °F or higher that are located within seven feet of the floor or within 15 inches from stairways, ramps, or fixed ladders - R903. Any tank requiring insulation per these standards is not eligible.
- The 2016 version of the California Building Energy Efficiency Standards (Title 24), Section 110.3 establishes requirements for tank insulation in the design and installation of space-conditioning and service water heating systems and equipment - R684 (Section 123). Any tank requiring insulation per these standards does not qualify for a rebate.

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