SDG&E's Business Energy Solutions Program
2020 Product Catalog – effective 05/19/20-12/31/20

Product Code	Product Description	Unit	Product Cost ($)	Instant Rebate ($)	Customer Co-Pay ($)
LIGHTING					
LED T8 Lamps					
463991	4-foot Interior LED T8 Lamp	Lamp	13.00	13.00	-
467154	4-foot Parking Garage LED T8 Lamp	Lamp			
LED Troffers					
464228	Interior LED Troffer (New): Size 1x4, 125 - 139 LPW **Rebate cannot exceed 4.5 kilolumens per fixture**	Kilolumen	Varies	3.00/KLM 13.50 max per fixture	Varies
464231	Interior LED Troffer (Retrofit Kit): Size 1x4, 125 - 139 LPW **Rebate cannot exceed 4.5 kilolumens per fixture**				
467684	Interior LED Troffer (New): Size 1x4, ≥140 LPW **Rebate cannot exceed 4.5 kilolumens per fixture**	Kilolumen		4.00/KLM 18.00 max per fixture	
467681	Interior LED Troffer (Retrofit Kit): Size 1x4, ≥140 LPW **Rebate cannot exceed 4.5 kilolumens per fixture**				
464227	Interior LED Troffer (New): Size 2x2, 125 - 139 LPW **Rebate cannot exceed 4.5 kilolumens per fixture**	Kilolumen		3.00/KLM 13.50 max per fixture	
464230	Interior LED Troffer (Retrofit Kit): Size 2x2, 125 - 139 LPW **Rebate cannot exceed 4.5 kilolumens per fixture**				
467690	Interior LED Troffer (New): Size 2x2, ≥140 LPW **Rebate cannot exceed 4.5 kilolumens per fixture**	Kilolumen		4.00/KLM 18.00 max per fixture	
467687	Interior LED Troffer (Retrofit Kit): Size 2x2, ≥140 LPW **Rebate cannot exceed 4.5 kilolumens per fixture**				
464226	Interior LED Troffer (New): Size 2x4, 125 - 139 LPW **Rebate cannot exceed 4.5 kilolumens per fixture**	Kilolumen		3.00/KLM 13.50 max per fixture	
464229	Interior LED Troffer (Retrofit Kit): Size 2x4, 125 - 139 LPW **Rebate cannot exceed 4.5 kilolumens per fixture**				
467696	Interior LED Troffer (New): Size 2x4, ≥140 LPW **Rebate cannot exceed 4.5 kilolumens per fixture**	Kilolumen		4.00/KLM 18.00 max per fixture	
467693	Interior LED Troffer (Retrofit Kit): Size 2x4, ≥140 LPW **Rebate cannot exceed 4.5 kilolumens per fixture**				
LED Linear Ambient Luminaires					
467440	Interior LED Linear Ambient Luminaire (New): 2 ft., 125 - 139 LPW **Rebate cannot exceed 4.5 kilolumens per fixture**	Kilolumen	Varies	3.00/KLM 13.50 max per fixture	Varies
467446	Interior LED Linear Ambient Luminaire (Retrofit Kit): 2 ft., 125 - 139 LPW **Rebate cannot exceed 4.5 kilolumens per fixture**				
467708	Interior LED Linear Ambient Luminaire (New): 2 ft., ≥140 LPW **Rebate cannot exceed 4.5 kilolumens per fixture**	Kilolumen		4.00/KLM 18.00 max per fixture	
467699	Interior LED Linear Ambient Luminaire (Retrofit Kit): 2 ft., ≥140 LPW **Rebate cannot exceed 4.5 kilolumens per fixture**				
467442	Interior LED Linear Ambient Luminaire (New): 4 ft., 125 - 139 LPW **Rebate cannot exceed 4.5 kilolumens per fixture**	Kilolumen		3.00/KLM 13.50 max per fixture	
467448	Interior LED Linear Ambient Luminaire (Retrofit Kit): 4 ft., 125 - 139 LPW **Rebate cannot exceed 4.5 kilolumens per fixture**				
467711	Interior LED Linear Ambient Luminaire (New): 4 ft., ≥140 LPW **Rebate cannot exceed 4.5 kilolumens per fixture**	Kilolumen		4.00/KLM 18.00 max per fixture	
467702	Interior LED Linear Ambient Luminaire (Retrofit Kit): 4 ft., ≥140 LPW **Rebate cannot exceed 4.5 kilolumens per fixture**				

Product Code	Product Description	Unit	Product Cost ($)	Instant Rebate ($)	Customer Co-Pay ($)
LED Linear Ambient Luminaires (continued)					
467444	Interior LED Linear Ambient Luminaire (New): 8 ft., 125 - 139 LPW **Rebate cannot exceed 4.5 kilolumens per fixture**	Kilolumen	Varies	3.00/KLM 13.50 max per fixture	Varies
467450	Interior LED Linear Ambient Luminaire (Retrofit Kit): 8 ft., 125 - 139 LPW **Rebate cannot exceed 4.5 kilolumens per fixture**				
467714	Interior LED Linear Ambient Luminaire (New): 8 ft., ≥140 LPW **Rebate cannot exceed 4.5 kilolumens per fixture**	Kilolumen		4.00/KLM 18.00 max per fixture	
467705	Interior LED Linear Ambient Luminaire (Retrofit Kit): 8 ft., ≥140 LPW **Rebate cannot exceed 4.5 kilolumens per fixture**				
LED High Bay Luminaires					
467587	Interior LED High Bay Luminaire: 4500 - 5399 lumens, ≥ 110 LPW and <130 LPW	Fixture	Varies	13.00	Varies
467599	Interior LED High Bay Luminaire: 4500 - 5399 lumens, ≥ 130 LPW	Fixture		19.00	
467590	Interior LED High Bay Luminaire: 7800 - 9399 lumens, ≥ 110 LPW and <130 LPW	Fixture		13.00	
467602	Interior LED High Bay Luminaire: 7800 - 9399 lumens, ≥ 130 LPW	Fixture		19.00	
467591	Interior LED High Bay Luminaire: 9400 - 11799 lumens, ≥ 110 LPW and <130 LPW	Fixture		13.00	
467603	Interior LED High Bay Luminaire: 9400 - 11799 lumens, ≥ 130 LPW	Fixture		19.00	
467592	Interior LED High Bay Luminaire: 11800 - 14799 lumens, ≥ 110 LPW and <130 LPW	Fixture		13.00	
467604	Interior LED High Bay Luminaire: 11800 - 14799 lumens, ≥ 130 LPW	Fixture		19.00	
467593	Interior LED High Bay Luminaire: 14800 - 18499 lumens, ≥ 120 LPW and <130 LPW	Fixture		13.00	
467605	Interior LED High Bay Luminaire: 14800 - 18499 lumens, ≥ 130 LPW	Fixture		19.00	
467594	Interior LED High Bay Luminaire: 18500 - 23099 lumens, ≥ 120 LPW and <130 LPW	Fixture		25.00	
467606	Interior LED High Bay Luminaire: 18500 - 23099 lumens, ≥ 130 LPW	Fixture		40.00	
467595	Interior LED High Bay Luminaire: 23100 - 29999 lumens, ≥ 125 LPW and <135 LPW	Fixture		25.00	
467607	Interior LED High Bay Luminaire: 23100 - 29999 lumens, ≥ 135 LPW	Fixture		40.00	
467596	Interior LED High Bay Luminaire: 30000 - 38999 lumens, ≥ 125 LPW and <135 LPW	Fixture		25.00	
467608	Interior LED High Bay Luminaire: 30000 - 38999 lumens, ≥ 135 LPW	Fixture		40.00	
467597	Interior LED High Bay Luminaire: 39000 - 50699 lumens, ≥ 125 LPW and <135 LPW	Fixture		25.00	
467609	Interior LED High Bay Luminaire: 39000 - 50699 lumens, ≥ 135 LPW	Fixture		40.00	
467598	Interior LED High Bay Luminaire: 50700 - 65899 lumens, ≥ 125 LPW and <135 LPW	Fixture		25.00	
467610	Interior LED High Bay Luminaire: 50700 - 65899 lumens, ≥ 135 LPW	Fixture		40.00	

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Product Code	Product Description	Unit	Product Cost ($)	Instant Rebate ($)	Customer Co-Pay ($)
FOOD SERVICE					
Combination Ovens					
463498	Combination Oven: < 15 Pans – Electric	Each	Varies	1200.00	Varies
463499	Combination Oven: 15 - 28 Pans – Electric	Each			
463500	Combination Oven: > 28 Pans – Electric	Each		2000.00	
463501	Combination Oven: < 15 Pans – Gas	Each		1100.00	
463502	Combination Oven: 15 - 28 Pans – Gas	Each		1000.00	
463503	Combination Oven: > 28 Pans – Gas	Each		2000.00	
Convection Ovens					
402026	Convection Oven – Electric	Each	Varies	1000.00	Varies
402027	Convection Oven – Gas	Each		500.00	
Rack Oven					
402029	Double Rack Oven - Gas	Each	Varies	2000.00	Varies
Fryers					
402004	Fryer – Electric	Each	Varies	750.00	Varies
402005	Fryer – Gas	Each		750.00	
Griddles					
462971	Griddle – Electric	Linear Ft.	Varies	200.00	Varies
462972	Griddle – Gas	Linear Ft.		100.00	
Steam Cookers					
402135	Steam Cooker – Electric	Each	Varies	2800.00	Varies
402136	Steam Cooker – Gas	Each		1800.00	
Ice Machines					
464054	SCU Ice Machine: < 110 lbs./day	Each	Varies	150.00	Varies
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	Varies	1500.00	Varies
402033	Demand Ventilation Control – New	Rated HP		750.00	
Dishwasher					
465309	High Temperature Dishwasher – Tier 2	Each	Varies	600.00	Varies
Hand Wrap Machine					
465327	Hand Wrap Machine – Electric	Each	Varies	125.00	Varies

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Product Code	Product Description	Unit	Product Cost ($)	Instant Rebate ($)	Customer Co-Pay ($)
Low Flow Pre-Rinse Spray Valves					
465999	Low-flow Pre-Rinse Spray Valve: 0.75 - 1.07 GPM - New	Each	35.00	35.00	-
466000	Low-flow Pre-Rinse Spray Valve: 0.75 - 1.07 GPM - Retrofit	Each	27.50	27.50	-
466001	Low-flow Pre-Rinse Spray Valve: < 0.75 GPM – New	Each			
466002	Low-flow Pre-Rinse Spray Valve: < 0.75 GPM – Retrofit	Each			

REFRIGERATION					
Ultra-Low Temperature Freezer					
465354	Ultra-Low Temperature Freezer: ≥ 24 Cubic Feet	Each	Varies	600.00	Varies
Anti-Sweat Heater Controls					
465292	Anti-Sweat Heater Controls – Low Temperature	Linear Ft.	45.00	45.00	-
Floating Suction Controls					
467200	Saturated Suction Controls – Air-cooled	Cap-Tons	Varies	44.00	Varies
467202	Saturated Suction Controls – Evaporative-cooled	Cap-Tons			
Floating Head Pressure Controls					
467192	Saturated Discharge Controls – Air-cooled	Cap-Tons	Varies	29.00	Varies
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.	8.00	8.00	-
465493	Insulate Bare Suction Pipes – Freezer	Linear Ft.			

HEATING, VENTILATION, AND AIR CONDITIONING (HVAC)					
Space Heating Boilers					
467791	Hot Water Boiler: 300 - 2500 kBtuh, ≥ 0.85, < 0.94 TE	Cap-kBtuh	Varies	2.00	Varies
467799	Hot Water Boiler: 300 - 2500 kBtuh, ≥ 0.94 TE	Cap-kBtuh			
467808	Hot Water Boiler: > 2500 kBtuh, ≥ 0.83 TE, ≥ 0.85 CE	Cap-kBtuh			
467829	Steam Boiler: > 2500 kBtuh, ≥ 0.80 TE	Cap-kBtuh			
Increase Refrigerant Charge					
465645	Increase Refrigerant Charge from Typical Under-Charge (4 - 50%) to Factory Specified Level – Small Pkg. AC System with No TXV	Cap-Tons	35.00	35.00	-
465647	Increase Refrigerant Charge from Typical Under-Charge (4 - 50%) to Factory Specified Level – Small Pkg. AC System with TXV	Cap-Tons			
465653	Increase Refrigerant Charge from High Under-Charge (10 - 50%) to Factory Specified Level – Small Pkg. AC System with No TXV	Cap-Tons			
465655	Increase Refrigerant Charge from High Under-Charge (10 - 50%) to Factory Specified Level – Small Pkg. AC System with TXV	Cap-Tons			

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Product Code	Product Description	Unit	Product Cost ($)	Instant Rebate ($)	Customer Co-Pay ($)
Evaporator Coil Cleaning					
465661	Evaporator Coil Cleaning on Small Pkg. AC System with No TXV	Cap-Tons	15.00	15.00	-
465663	Evaporator Coil Cleaning on Small Pkg. AC System with TXV	Cap-Tons			
Condenser Coil Cleaning					
465665	Condenser Coil Cleaning on Small Pkg. AC System with No TXV	Cap-Tons	15.00	15.00	-
465667	Condenser Coil Cleaning on Small Pkg. AC System with TXV	Cap-Tons			

WATER HEATING					
Storage Water Heaters					
465438	30 Gallon Medium Draw Storage Water Heater: ≥ 0.64 EF	Cap-kBtuh	Varies	2.00	Varies
466440	40 Gallon Medium Draw Storage Water Heater: ≥ 0.64, < 0.68 EF	Cap-kBtuh			
465441	40 Gallon High Draw Storage Water Heater: ≥ 0.68 EF	Cap-kBtuh			
465442	50 Gallon Medium Draw Storage Water Heater: ≥ 0.64 EF, < 0.68 EF	Cap-kBtuh			
465443	50 Gallon High Draw Storage Water Heater: ≥ 0.68 EF	Cap-kBtuh			
465474	Large Storage Water Heater: ≥ 0.83 TE	Cap-kBtuh			
463333	Large Storage Water Heater: ≥ 0.90 TE	Cap-kBtuh			
Faucet Aerators					
464077	Faucet Aerator – Private Lavatory: 0.5 GPM	Each	8.50	8.50	-
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	18.00	18.00	-
466283	Low-flow Showerhead: 1.8 GPM	Each			
Flow Control Valves					
467843	Faucet Flow Control Valve: 1.0 GPM – Public Lavatory	Each	37.00	37.00	-
467943	Showerhead Flow Control Valve: 1.5 GPM	Each	42.00	42.00	-
Laminar Flow Restrictors					
464079	Laminar Flow Restrictor: 0.5 GPM – Health Care Facilities	Each	17.50	17.50	-
464080	Laminar Flow Restrictor: 1.0 GPM – Health Care Facilities	Each			
466287	Laminar Flow Restrictor: 1.2 GPM – Health Care Facilities	Each			
464081	Laminar Flow Restrictor: 1.5 GPM – Health Care Facilities	Each			
466285	Laminar Flow Restrictor: 1.8 GPM – Health Care Facilities	Each			
Recirculation Pump Timers					
466725	Recirculation Pump Timer: ≤ 1/12 HP	Each	Varies	100.00	Varies
466726	Recirculation Pump Timer: > 1/12 HP and ≤ 1/3 HP	Each			
466727	Recirculation Pump Timer: > 1/3 HP	Each			
Pipe/Pipe Fitting Insulation					
466788	1" Pipe Insulation: Hot Water Pipe ≤ 1" diameter – Indoor	Linear Ft.	8.00	8.00	-
466734	1" Pipe Insulation: Hot Water Pipe, ≤ 1" diameter – Outdoor	Linear Ft.			

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Product Code	Product Description	Unit	Product Cost ($)	Instant Rebate ($)	Customer Co-Pay ($)
Pipe/Pipe Fitting Insulation (continued)					
466789	1" Pipe Insulation: Hot Water Pipe, > 1", ≤ 4" diameter – Indoor	Linear Ft.	8.00	8.00	-
466735	1" Pipe Insulation: Hot Water Pipe, > 1", ≤ 4" diameter – Outdoor	Linear Ft.			
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	12.00	12.00	-
466762	1" Fitting Insulation: Hot Water Pipe, > 1", ≤ 4" diameter – Outdoor	Each	8.00	8.00	-
466817	1" Fitting Insulation: Hot Water Pipe, > 4" diameter – Indoor	Each	17.00	17.00	-
466763	1" Fitting Insulation: Hot Water Pipe, > 4" diameter – Outdoor	Each			
466791	1" Pipe Insulation: ≤ 15 psig Steam Pipe, ≤ 1" diameter – Indoor	Linear Ft.	8.00	8.00	-
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	15.00	15.00	-
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	20.00	20.00	-
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	30.00	30.00	-
466766	1" Fitting Insulation: ≤ 15 psig Steam Pipe, > 4" diameter – Outdoor	Each			
466821	1" Fitting Insulation: > 15 psig Steam Pipe ≤ 1" diameter – Indoor	Each	15.00	15.00	-
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	20.00	20.00	-

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Product Code	Product Description	Unit	Product Cost ($)	Instant Rebate ($)	Customer Co-Pay ($)
Pipe/Pipe Fitting Insulation (continued)					
466768	1" Fitting Insulation: > 15 psig Steam Pipe, > 1", ≤ 4" diameter – Outdoor	Each	20.00	20.00	-
466823	1" Fitting Insulation: > 15 psig Steam Pipe, > 4" diameter – Indoor	Each	30.00	30.00	-
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.	9.00	9.00	-
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.	10.00	10.00	-
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.			

OTHER TECHNOLOGY					
Ozone Laundry System					
402421	Ozone Laundry System	Cap-lb.	Varies	39.00	Varies

LIGHTING

GENERAL REQUIREMENTS

- Customer must have a San Diego Gas & Electric® (SDG&E) 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

Requirements:

- New LED T8 Lamp must be 4-foot and replace an existing 4-foot linear fluorescent T8 lamp.
- LED lamp must 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
- The LED T8 Lamp specification sheet must list all of the compatible ballast model numbers to ensure proper operation of the measure.
- Due to testing considerations, only a product that can operate off of 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)
Luminaire Efficacy	≥ 145 LPW
CRI	≥ 80
CCT	2,200 K – 6,500 K
Power Factor	≥ 0.9
Total Harmonic Distortion	≤ 20%
Lumen Maintenance	L70 ≥ 5 0,000
Minimum Warranty	5 years

Restrictions:

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

COMMERICAL INTERIOR LED TROFFER

Requirements:

- New LED fixture or integrated retrofit kit must replace an existing linear fluorescent fixture.
- New LED luminaire must have rated lumen output similar to the rated lumen output of the fixture being replaced or retrofitted.
- Product must meet the technical requirements listed on the current DesignLights Consortium (DLC) qualified product list.
    - DLC: http://www.designlights.org/QPL
- The product must be listed under one of the following Primary Use Categories:
    - 2x4 Luminaires for Ambient Lighting of Interior Commercial Spaces
    - Integrated Retrofit Kits for 2x4 Luminaires for Ambient Lighting of Interior Commercial Spaces
    - 2x2 Luminaires for Ambient Lighting of Interior Commercial Spaces
    - Integrated Retrofit Kits for 2x2 Luminaires for Ambient Lighting of Interior Commercial Spaces
    - 1x4 Luminaires for Ambient Lighting of Interior Commercial Spaces
    - Integrated Retrofit Kits for 1x4 Luminaires for Ambient Lighting of Interior Commercial Spaces
- DLC-listed initial light output must be ≥ 2200 lm and ≤ 6,500 lm.
- Product must meet the minimum efficacy requirements ≥ 125 LPW.

Restrictions:

- Fixtures listed under a Primary Use Category that begins with "specialty" are not eligible.
- Other fixture configurations, including LED troffer linear retrofit kits or external driver lamp-style retrofit kits (UL Type C) do not qualify for this rebate.
- Exterior or high/low-bay installations of these products do not qualify.
- Screw-based lamps and linear replacement lamps do not qualify.
- All LED Troffer and Integrated Troffer Retrofit Kit rebates are capped at 4.5 kilolumens per fixture.

INTERIOR LED LINEAR AMBIENT FIXTURE

Requirements:

- New LED fixture or integrated retrofit kit must replace an existing linear fluorescent fixture.
- New LED luminaire must have rated lumen output similar to the rated lumen output of the fixture being replaced or retrofitted.
- Product must meet the technical requirements listed on the current DesignLights Consortium (DLC) qualified product list.
    - DLC: http://www.designlights.org/QPL
- The product must be listed under one of the following Primary Use Categories:
    - Direct Linear Ambient Luminaires
    - Linear Ambient Luminaires with Indirect Component
    - Retrofit Kits for Direct Linear Ambient Luminaires
- DLC-listed initial light output must be ≤ 6,500 lm.
- Product must meet the minimum efficacy requirements ≥ 125 LPW.

Restrictions:

- Fixtures listed under a Primary Use Category that begins with "specialty" are not eligible.
- Other fixture configurations, including LED troffer linear retrofit kits or external driver lamp-style retrofit kits (UL Type C) do not qualify for this rebate.
- Exterior or high/low-bay installations of these products do not qualify.
- Screw-based lamps and linear replacement lamps do not qualify.
- All LED Troffer and Integrated Troffer Retrofit Kit rebates are capped at 4.5 kilolumens per fixture.

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.

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.

FOOD SERVICES

GENERAL REQUIREMENTS

- Customers must have a SDG&E non-residential 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 California Energy Wise: caenergywise.com to qualify or energystar.gov, unless otherwise noted in the product requirement section.

COMBINATION OVEN

Requirements:

- The combination oven must be listed on California Energy Wise to qualify.
  - California Energy Wise: http://caenergywise.com/rebates

CONVECTION OVEN

Requirements:

- The convection oven must be listed on California Energy Wise to qualify.
  - California Energy Wise: http://caenergywise.com/rebates

RACK OVEN

Requirements:

- The double gas rack oven must be listed on California Energy Wise to qualify.
  - California Energy Wise: http://caenergywise.com/rebates

FRYER

Requirements:

- The fryer must be listed on California Energy Wise to qualify.
  - California Energy Wise: http://caenergywise.com/rebates
- Multiple vat configurations are paid per qualifying vat.

GRIDDLE

Requirements:

- The griddle must be listed on California Energy Wise or meet ENERGY STAR® specifications for energy efficiency to qualify.
  - California Energy Wise: http://caenergywise.com/rebates

Restrictions:

- Double-sided griddles do not qualify.

STEAM COOKER

Requirements:

- The steam cooker must be listed on California Energy Wise or meet ENERGY STAR® specifications for energy efficiency to qualify.
  - California Energy Wise: http://caenergywise.com/rebates

ICE MACHINE

Requirements:

- The ice machine must be listed on California Energy Wise or meet ENERGY STAR® V3.0 Program Requirements for Automatic Commercial Ice Makers.
  - California Energy Wise: http://caenergywise.com/rebates
- 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.

DEMAND 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 ≤ 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.

DISHWASHER

Requirements:

- The high-temperature door-type dishwasher must be listed on California Energy Wise or meet ENERGY STAR® specifications for energy efficiency to qualify.
  - California Energy Wise: http://caenergywise.com/rebates

Restrictions:

- Other dishwasher types (conveyor, under-counter, and flight-type) do not qualify.

HAND-WRAP MACHINE

Requirements:

- The hand-wrap machine must be listed on California Energy Wise and meet the criteria below to qualify.
  - California Energy Wise: http://caenergywise.com/rebates
- New hand-wrap machine must be on-demand and replace a conventional or always-on hand-wrap machine.

LOW-FLOW PRE-RINSE SPRAY VALVE

Requirements:

- The low-flow pre-rinse spray valve must be listed on California Energy Wise and meet the criteria below to qualify.
  - California Energy Wise: http://caenergywise.com/rebates
- For retrofits between 0.75 gpm and 1.07 gpm, the new commercial-grade pre-rinse spray valve must replace an existing pre-rinse spray valve with a maximum flow rate of 1.00 gpm for a spray force of < 5.0 ozf
- For retrofits < 0.75 gpm, the new commercial-grade pre-rinse spray valve must replace an existing pre-rinse spray valve with a maximum flow rate of 1.20 gpm for a spray force of > 5.0 ounce-force and ≤ 8.0 ounce-force.

REFRIGERATION

GENERAL REQUIREMENTS

- Customers must have a SDG&E non-residential 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 FREEZER

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) of 0.55 kWh/day/ft3.
  - Energy Star: http://www.energystar.gov/products
- Volume must be $\geq$ 24 ft^3 $\leq$ 29 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.

FLOATING 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^{o}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.

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.

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.
- 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:

- 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.

HEATING, VENTILATION, AND AIR CONDITIONING (HVAC)

GENERAL REQUIREMENTS

- Customers must have a SDG&E commercial electric account if applying for an electric measure, and a commercial 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.
- 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.
- It is the responsibility of the customer to ensure the equipment installed adheres to all state, local, and national building codes and ordinances, as well as the manufacturer's requirements.

SPACE HEATING BOILER

Requirements:

- Boiler must be used for space heating to induce human comfort.
- Boiler must be equipped with automatic controls that reset the boiler supply temperature (between 140°F – 165°F) based on building loads or outside air temperature.
- The manufacturer's specification sheet must be submitted, documenting the boiler type, input rating and efficiency rating.
- In accordance with California Public Utilities Code section 399.4(b), proof of permit closure may be required.
- New boiler must also meet the efficiency requirements based on input ratings and types as shown in the table below:

Boiler Type	Rated Input	Efficiency
Hot Water	300 – 2,500 kBtuh	≥ 0.85 Thermal Efficiency
	≥ 2,500	≥ 83% Thermal Efficiency ≥ 0.85 Combustion Efficiency
Steam	≥ 2,500	≥ 0.80 Thermal Efficiency

INCREASE REFRIGERANT CHARGE

Requirements:

- Only direct expansion air-cooled HVAC units that are 4% to 50% undercharged qualify.
- Refrigerant charge must be corrected meet manufacturer recommended levels.
- All charge adjustments must be performed by technicians with proper training, using a "fault" diagnosis and correction sequence and procedure prior to measuring the existing refrigerant charge and making any subsequent adjustments.
- Refrigerant used must be appropriate for HVAC system.

EVAPORATOR COIL CLEANING

Requirements:

- The existing dirty or fouled evaporator coils must be functioning on an air conditioning unit with or without a thermal expansion valve (TXV).
- Technician must clean the existing evaporator coils, eliminating any air blockages between fins, and remove leaves, dust, grime, and other contaminants from the fin and tube heat transfer surfaces.

CONDENSER COIL CLEANING

Requirements:

- The existing dirty or fouled condenser coils must be functioning on an air conditioning unit with or without a thermal expansion valve (TXV).
- Technician must clean the existing condenser coils, eliminating any air blockages between fins, and remove leaves, dust, grime, and other contaminants from the fin and tube heat transfer surfaces.

WATER HEATING

GENERAL REQUIREMENTS

- Customers must have a SDG&E non-residential 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.

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:

Size	Rated Input	Efficiency
30 Gallon	≤ 75 kBtu/hr	≥ 0.64 Energy Factor
40 Gallon		
50 Gallon		
Large	> 75 kBtu/hr	> 0.83 Thermal Efficiency

Restrictions:

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

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 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 hotel/motel guest room, dorm room, or nursing home room.
  - A public lavatory faucet is located in a bathroom shared by a communal area, such as a school, restaurant, hotel lobby, 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

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 hotel/motel guest room, dorm room, or nursing home room.
    - A public lavatory faucet is located in a bathroom shared by a communal area, such as a school, restaurant, hotel lobby, 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.

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.

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.

Restrictions:

- New construction health care facilities do not qualify.

RECIRCULATION PUMP TIMER

Requirements:

- The building must have a hot water recirculation system that can be turned OFF entirely for a set period of the day and/or week.
- The building must have a centralized, gas-fired, hot-water system with a constant-flow, fractional horsepower, uncontrolled recirculation pump.
- The timer device must have seven-day (or better) scheduling capabilities.

Restrictions:

- The recirculation pump timer is not eligible in newly constructed buildings, additions to existing buildings, and alterations to existing buildings.

PIPE/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.

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.

Other Technology

GENERAL REQUIREMENTS

- Customers must have a SDG&E commercial electric account if applying for an electric measure, and a commercial 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.
- 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.

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.

Products offered through SDG&E's Business Energy Solutions program are also provided through the Energy Efficiency Business Rebates program. Customers that are already working with a Trade Professional (e.g. project manager and installation companies) should visit sdge.com/businessrebates or call our Energy Savings Center at 1.800.644.6133 for details.

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