

# Energy Efficiency Business Rebates Product Catalog

## FOOD SERVICE PRODUCTS

Product Code	Product Description	Rebate/Unit	Page #
402004	Fryer: Electric	\$800.00/Vat	<a href="#">11</a>
402005	Fryer: Gas	\$850.00/Vat	
402026	Convection Oven: Electric	\$700.00/Oven	<a href="#">12</a>
402027	Convection Oven: Gas	\$1,000.00/Oven	
402029	Gas Rack Oven: Double	\$4,000.00/Unit	<a href="#">13</a>
402032	Kitchen Ventilation Control: Retrofit	\$1,500.00/Fan HP	<a href="#">15</a>
402033	Kitchen Ventilation Control: New	\$1,500.00/Fan HP	
402135	Steam Cooker: Electric	\$2,000.00 /Steamer	<a href="#">14</a>
402136	Steam Cooker: Gas	\$1,600.00/Steamer	
402160	Glass-Door Reach-in Freezer 15-29 ft <sup>3</sup>	\$100.00/Unit	<a href="#">16</a>
402161	Glass-Door Reach-in Freezer 30-49 ft <sup>3</sup>	\$200.00/Unit	
402159	Glass-Door Reach-in Freezer 50 ft <sup>3</sup> and over	\$500.00/Unit	
462971	Griddle: Electric	\$400.00/Linear Foot	<a href="#">17</a>
462972	Griddle: Gas	\$200.00/Linear Foot	
465296	Griddle: Electric - New	\$400.00/Linear Foot	
465297	Griddle: Gas - New	\$200.00/Linear Foot	
463498	Combination Oven < 15 Pans: Electric	\$1,600.00/Oven	<a href="#">18</a>
463499	Combination Oven 15-28 Pans: Electric	\$1,600.00/Oven	
463500	Combination Oven > 28 Pans: Electric	\$3,500.00/Oven	
463501	Combination Oven < 15 Pans: Gas	\$2,200.00/Oven	
463502	Combination Oven 15 - 28 Pans: Gas	\$2,000.00/Oven	
463503	Combination Oven > 28 Pans: Gas	\$4,000.00/Oven	
464053	Ice Machine SCU < 110 lbs./day: New	\$100.00/Unit	<a href="#">19</a>
464054	Ice Machine SCU < 110 lbs./day: Retrofit		
464055	Ice Machine SCU 110 – 200 lbs./day: New	\$150.00/Unit	
464056	Ice Machine SCU 110 – 200 lbs./day: Retrofit		
464057	Ice Machine SCU > 200 lbs./day: New	\$200.00/Unit	
464058	Ice Machine SCU > 200 lbs./day: Retrofit		
464059	Ice Machine IMH < 300 lbs./day: New	\$120.00/Unit	
464060	Ice Machine IMH < 300 lbs./day: Retrofit		
464061	Ice Machine IMH 300 – 799 lbs./day: New	\$200.00/Unit	
464062	Ice Machine IMH 300 – 799 lbs./day: Retrofit		

† Red Diamond indicates a new measure



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464063	Ice Machine IMH 800 – 1499 lbs./day: New	\$400.00/Unit	<a href="#">19</a>
464064	Ice Machine IMH 800 – 1499 lbs./day: Retrofit	\$400.00/Unit	
464065	Ice Machine IMH > 1500 lbs./day: New	\$300.00/Unit	
464066	Ice Machine IMH > 1500 lbs./day: Retrofit		
464067	Ice Machine RCU < 988 lbs./day: New	\$300.00/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		
465327	◆ Hand Wrap Machine: Electric	\$125.00/Each	

### REFRIGERATION PRODUCTS

Product Code	Production Description	Rebate/Unit	Page #
402152	Refrigeration Display Case with Doors: Low Temp	\$150.00/Linear Foot	<a href="#">22</a>
402153	Refrigeration Display Case with Doors: Medium Temp		
465293	Anti-Sweat Heater Controls: Low Temp	\$50.00/Linear Foot	<a href="#">23</a>
465295	Anti-Sweat Heater Controls: Medium Temp	\$30.00/Linear Foot	
467192	Saturated Discharge Controls: Air-cooled	\$150.00/Capacity Ton	<a href="#">24</a>
467194	Saturated Discharge Controls with Variable speed fan: Air-cooled	\$250.00/Capacity Ton	
467196	Saturated Discharge Controls: Evap-cooled	\$150.00/Capacity Ton	
467198	Saturated Discharge Controls with Variable speed fan: Evap-cooled	\$300.00/Capacity Ton	
467200	Saturated Suction Controls: Air-cooled	\$250.00/Capacity Ton	<a href="#">25</a>
467202	Saturated Suction Controls: Evap-cooled		
467205	High Efficiency Ultra Low Temp Freezer (24 to 29 ft. <sup>3</sup> ): New	\$1,200.00/Unit	<a href="#">26</a>
467206	High Efficiency Ultra Low Temp Freezer (24 to 29 ft. <sup>3</sup> ): Retrofit		
467310	◆ Med. Temperature Vertical Refrigeration Case (doors), with Night Covers to Close	\$195.00/Linear Foot	<a href="#">27</a>
467311	◆ Med. Temperature Vertical Refrigeration Case (doors and LED), with Night Covers, Open to Close with LED	\$210.00/Linear Foot	

### NATURAL GAS PRODUCTS

Product Code	Product Description	Rebate/Unit	Page #
402421	Ozone Laundry System	\$39.00/lb.	<a href="#">29</a>
465438	30 Gallon MedDraw Storage Water Heater, UEF ≥ 0.64: Retrofit	\$2.00/ Cap-kBtuh	<a href="#">30</a>

◆ Red Diamond indicates a new measure



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465440	40 Gallon MedDraw Storage Water Heater, UEF ≥ 0.64: Retrofit	\$2.00/ Cap-kBtuh	<a href="#">30</a>
465441	40 Gallon HiDraw Storage Water Heater, UEF ≥ 0.68: Retrofit		
465442	50 Gallon MedDraw Storage Water Heater, UEF ≥ 0.64: Retrofit		
465443	50 Gallon HiDraw Storage Water Heater, UEF ≥ 0.68: Retrofit		
465474	Large Storage Water Heater – TE > 0.83 ≤ 0.90	\$2.00/ Cap-kBtuh	<a href="#">31</a>
463333	Large Storage Water Heater – TE > 0.90		
466583	Large Instantaneous Heaters, >200 kBtu/hr, 80% TE	\$0.50/Cap-kBtuh	<a href="#">32</a>
466585	Large Instantaneous Heaters, >200 kBtu/hr, 90% TE		
466586	Process Boiler-Hot Water – 85% CE	\$0.50/Cap-kBtuh	<a href="#">33</a>
466588	Process Boiler-Hot Water – 90% CE		
466957	Steam Trap Replacement	\$100.00/Unit	<a href="#">34</a>



### PIPE/PIPE FITTING INSULATION PRODUCTS

Product Code	Product Description	Rebate/Unit	Page #
466896	1" Pipe Insulation: Hot Water Pipe ≤ 1" diameter: Indoor	\$3.00/Linear Foot	<a href="#">35</a>
466842	1" Pipe Insulation: Hot Water Pipe, ≤ 1" diameter: Outdoor	\$2.00/Linear Foot	
466897	1" Pipe Insulation: Hot Water Pipe, > 1", ≤ 4" diameter: Indoor	\$3.00/Linear Foot	
466843	1" Pipe Insulation: Hot Water Pipe, > 1", ≤ 4" diameter: Outdoor	\$2.00/Linear Foot	
466898	1" Pipe Insulation: Hot Water Pipe, > 4" diameter: Indoor	\$2.00/Linear Foot	
466844	1" Pipe Insulation: Hot Water Pipe, > 4" diameter: Outdoor	\$2.00/Linear Foot	
466923	1" Fitting Insulation: Hot Water Pipe ≤ 1" diameter: Indoor	\$7.00/Each	
466869	1" Fitting Insulation: Hot Water Pipe ≤ 1" diameter: Outdoor		
466924	1" Fitting Insulation: Hot Water Pipe, > 1", ≤ 4" diameter: Indoor	\$10.00/Each	
466870	1" Fitting Insulation: Hot Water Pipe, > 1", ≤ 4" diameter: Outdoor		
466925	1" Fitting Insulation: Hot Water Pipe, > 4" diameter: Indoor	\$12.00/Each	
466871	1" Fitting Insulation: Hot Water Pipe, > 4" diameter: Outdoor		
466899	1" Pipe Insulation: ≤ 15 psig Steam Pipe, ≤ 1" diameter: Indoor	\$2.00/Linear Foot	
466845	1" Pipe Insulation: ≤ 15 psig Steam Pipe, ≤ 1" diameter: Outdoor	\$2.00/Linear Foot	
466900	1" Pipe Insulation: ≤ 15 psig Steam Pipe, > 1", ≤ 4" diameter: Indoor	\$2.00/Linear Foot	
466846	1" Pipe Insulation: ≤ 15 psig Steam Pipe, > 1", ≤ 4" diameter: Outdoor	\$2.00/Linear Foot	
466901	1" Pipe Insulation: ≤ 15 psig Steam Pipe, > 4" diameter: Indoor	\$2.00/Linear Foot	
466847	1" Pipe Insulation: ≤ 15 psig Steam Pipe, > 4" diameter: Outdoor	\$2.00/Linear Foot	

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466902	1" Pipe Insulation: > 15 psig Steam Pipe, ≤ 1" diameter: Indoor	\$2.00/Linear Foot	<a href="#">35</a>
466848	1" Pipe Insulation: > 15 psig Steam Pipe, ≤ 1" diameter: Outdoor	\$2.00/Linear Foot	
466903	1" Pipe Insulation: > 15 psig Steam Pipe, > 1", ≤ 4" diameter: Indoor	\$2.00/Linear Foot	
466849	1" Pipe Insulation: > 15 psig Steam Pipe, > 1", ≤ 4" diameter: Outdoor	\$2.00/Linear Foot	
466904	1" Pipe Insulation: > 15 psig Steam Pipe, > 4" diameter: Indoor	\$2.00/Linear Foot	
466850	1" Pipe Insulation: > 15 psig Steam Pipe, > 4" diameter: Outdoor	\$2.00/Linear Foot	
466926	1" Fitting Insulation: ≤ 15 psig Steam Pipe ≤ 1" diameter: Indoor	\$12.00/Each	
466872	1" Fitting Insulation: ≤ 15 psig Steam Pipe ≤ 1" diameter: Outdoor		
466927	1" Fitting Insulation: ≤ 15 psig Steam Pipe, > 1", ≤ 4" diameter: Indoor	\$15.00/Each	
466873	1" Fitting Insulation: ≤ 15 psig Steam Pipe, > 1", ≤ 4" diameter: Outdoor		
466928	1" Fitting Insulation: ≤ 15 psig Steam Pipe, > 4" diameter: Indoor	\$30.00/Each	
466874	1" Fitting Insulation: ≤ 15 psig Steam Pipe, > 4" diameter: Outdoor	\$20.00/Each	
466929	1" Fitting Insulation: > 15 psig Steam Pipe ≤ 1" diameter: Indoor	\$12.00/Each	
466875	1" Fitting Insulation: > 15 psig Steam Pipe ≤ 1" diameter: Outdoor		
466930	1" Fitting Insulation: > 15 psig Steam Pipe, > 1", ≤ 4" diameter: Indoor	\$15.00/Each	
466876	1" Fitting Insulation: > 15 psig Steam Pipe, > 1", ≤ 4" diameter: Outdoor		
466931	1" Fitting Insulation: > 15 psig Steam Pipe, > 4" diameter: Indoor	\$30.00/Each	
466877	1" Fitting Insulation: > 15 psig Steam Pipe, > 4" diameter: Outdoor	\$20.00/Each	

### HVAC PRODUCTS

Product Code	Product Description	Rebate/Unit	Page #
463783	New VFD on existing AC unit with NG heating and ADEC	\$55.00/Cap-Tons	<a href="#">38</a>
463784	New VFD and NEMA motor on existing AC unit with NG heating (and ADEC)	\$86.00/Cap-Tons	
463785	New VFD and PM motor on existing AC unit with NG heating (and ADEC)	\$91.00/Cap-Tons	
463786	New VFD on existing AC unit (no NG heating) and ADEC	\$55.00/Cap-Tons	
463787	New VFD and NEMA motor on existing AC unit (no NG heating)	\$86.00/Cap-Tons	
463788	New VFD and PM motor on existing AC unit (no NG heating)	\$91.00/Cap-Tons	
463789	New VFD on existing Heat Pump unit	\$55.00/Cap-Tons	
463790	New VFD and NEMA motor on existing Heat Pump unit with ADEC	\$86.00/Cap-Tons	
463791	New VFD and PM motor on existing Heat Pump unit and ADEC	\$91.00/Cap-Tons	
463792	New VFD and ADEC on existing AC unit w/ NG heating	\$95.00/Cap-Tons	
463793	New VFD, NEMA motor, and ADEC on existing AC unit w/ NG heating	\$126.00/Cap-Tons	
463794	New VFD, PM motor, and ADEC on existing AC unit w/ NG heating	\$131.00/Cap-Tons	

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463795	New VFD and ADEC on existing AC unit only	\$95.00/Cap-Tons	<a href="#">38</a>
463796	New VFD, NEMA motor, and ADEC on existing AC unit only	\$126.00/Cap-Tons	
463797	New VFD, PM motor, and ADEC on existing AC unit only	\$131.00/Cap-Tons	
463798	New VFD and ADEC on existing Heat Pump unit	\$95.00/Cap-Tons	
463799	New VFD, NEMA motor, and ADEC on existing Heat Pump unit	\$126.00/Cap-Tons	
463800	New VFD, PM motor, and ADEC on existing Heat Pump unit	\$131.00/Cap-Tons	
467104	HVAC ENHANCED VENT GAS HEAT, including adding ADEC, CO2 sensor, VFD to units with Gas Heat	\$127.00/Cap-Tons	
467106	HVAC ENHANCED VENT NEMA GAS HEAT, including adding ADEC, CO2 sensor, VFD, NEMA motor to units with Gas Heat	\$159.00/Cap-Tons	
467108	HVAC ENHANCED VENT PMM GAS HEAT, including adding ADEC, CO2 sensor, VFD, PMM motor to units with Gas Heat	\$164.00/Cap-Tons	
467110	HVAC ENHANCED VENT HEAT PUMP, including adding ADEC, CO2 sensor, VFD to Heat Pump	\$127.00/Cap-Tons	
467112	HVAC ENHANCED VENT NEMA HEAT PUMP, including Adding ADEC, CO2 sensor, VFD, NEMA motor to Heat Pump	\$159.00/Cap-Tons	
467114	HVAC ENHANCED VENT PMM HEAT PUMP, including Adding ADEC, CO2 sensor, VFD, PMM motor to Heat Pump	\$164.00/Cap-Tons	
467175	Air Cooled Constant Speed Screw Chiller (>= 150 tons, 11.1 EER, 15.4 IPLV)	\$70.00/Cap-Tons	<a href="#">40</a>
467176	Air Cooled Constant Speed Screw Chiller (>= 150 tons, 11.1 EER, 15.4 IPLV) - New	\$70.00/Cap-Tons	
467179	Air Cooled Constant Speed Screw Chiller (>= 150 tons, 12.1 EER, 16.9 IPLV)	\$95.00/Cap-Tons	
467180	Air Cooled Constant Speed Screw Chiller (>= 150 tons, 12.1 EER, 16.9 IPLV) - New	\$95.00/Cap-Tons	
467183	Air Cooled Constant Speed Screw Chiller (< 150 tons, 11.1 EER, 15.1 IPLV)	\$90.00/Cap-Tons	
467184	Air Cooled Constant Speed Screw Chiller (< 150 tons, 11.1 EER, 15.1 IPLV) - New	\$90.00/Cap-Tons	
467187	Air Cooled Constant Speed Screw Chiller (< 150 tons, 12.1 EER, 16.6 IPLV)	\$163.00/Cap-Tons	
467188	Air Cooled Constant Speed Screw Chiller (< 150 tons, 12.1 EER, 16.6 IPLV) - New	\$163.00/Cap-Tons	
467355	Water Cooled Chiller, Centrifugal w/ Conventional VSD, < 150 tons, 0.591 kW/ton, 0.374 IPLV - New	\$124.00/Cap-Tons	<a href="#">41</a>
467356	Water Cooled Chiller, Centrifugal w/ Conventional VSD, < 150 tons, 0.626 kW/ton, 0.396 IPLV - New	\$66.00/Cap-Tons	
467347	Water Cooled Chiller, Centrifugal w/ Conventional VSD, 150 to 299 tons, 0.54 kW/ton, 0.34 IPLV - New	\$84.00/Cap-Tons	
467348	Water Cooled Chiller, Centrifugal w/ Conventional VSD, 150 to 299 tons, 0.572 kW/ton, 0.36 IPLV - New	\$49.00/Cap-Tons	
467349	Water Cooled Chiller, Centrifugal w/ Conventional VSD, 300 to 399 tons, 0.506 kW/ton, 0.332 IPLV - New	\$72.00/Cap-Tons	
467350	Water Cooled Chiller, Centrifugal w/ Conventional VSD, 300 to 399 tons, 0.536 kW/ton, 0.351 IPLV - New	\$49.00/Cap-Tons	
467351	Water Cooled Chiller, Centrifugal w/ Conventional VSD, 400 to 599 tons, 0.497 kW/ton, 0.323 IPLV - New	\$75.00/Cap-Tons	
467352	Water Cooled Chiller, Centrifugal w/ Conventional VSD, 400 to 599 tons, 0.527 kW/ton, 0.342 IPLV - New	\$34.00/Cap-Tons	
467353	Water Cooled Chiller, Centrifugal w/ Conventional VSD, >= 600 tons, 0.497 kW/ton, 0.323 IPLV - New	\$50.00/Cap-Tons	
467354	Water Cooled Chiller, Centrifugal w/ Conventional VSD, >= 600 tons, 0.527 kW/ton, 0.342 IPLV - New	\$21.00/Cap-Tons	

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467365	Water Cooled Chiller, Variable Speed Screw, < 75 tons, 0.663 kW/ton, 0.425 IPLV - New	\$148.00/Cap-Tons	
467366	Water Cooled Chiller, Variable Speed Screw, < 75 tons, 0.702 kW/ton, 0.450 IPLV - New	\$81.00/Cap-Tons	
467361	Water Cooled Chiller, Variable Speed Screw, 75 to 149 tons, 0.638 kW/ton, 0.417 IPLV - New	\$122.00/Cap-Tons	
467362	Water Cooled Chiller, Variable Speed Screw, 75 to 149 tons, 0.675 kW/ton, 0.441 IPLV - New	\$72.00/Cap-Tons	
467357	Water Cooled Chiller, Variable Speed Screw, 150 to 299 tons, 0.578 kW/ton, 0.374 IPLV - New	\$103.00/Cap-Tons	
467358	Water Cooled Chiller, Variable Speed Screw, 150 to 299 tons, 0.612 kW/ton, 0.396 IPLV - New	\$62.00/Cap-Tons	
467359	Water Cooled Chiller, Variable Speed Screw, 300 to 599 tons, 0.531 kW/ton, 0.349 IPLV - New	\$91.00/Cap-Tons	
467360	Water Cooled Chiller, Variable Speed Screw, 300 to 599 tons, 0.563 kW/ton, 0.369 IPLV - New	\$51.00/Cap-Tons	
467363	Water Cooled Chiller, Variable Speed Screw, >= 600 tons, 0.497 kW/ton, 0.323 IPLV - New	\$84.00/Cap-Tons	
467364	Water Cooled Chiller, Variable Speed Screw, >= 600 tons, 0.527 kW/ton, 0.342 IPLV - New	\$39.00/Cap-Tons	
467375	Water Cooled Chiller, Centrifugal w/ Conventional VSD, < 150 tons, 0.591 kW/ton, 0.374 IPLV	\$124.00/Cap-Tons	
467376	Water Cooled Chiller, Centrifugal w/ Conventional VSD, < 150 tons, 0.626 kW/ton, 0.396 IPLV	\$66.00/Cap-Tons	
467367	Water Cooled Chiller, Centrifugal w/ Conventional VSD, 150 to 299 tons, 0.54 kW/ton, 0.34 IPLV	\$84.00/Cap-Tons	
467368	Water Cooled Chiller, Centrifugal w/ Conventional VSD, 150 to 299 tons, 0.572 kW/ton, 0.36 IPLV	\$49.00/Cap-Tons	<a href="#">41</a>
467369	Water Cooled Chiller, Centrifugal w/ Conventional VSD, 300 to 399 tons, 0.506 kW/ton, 0.332 IPLV	\$72.00/Cap-Tons	
467370	Water Cooled Chiller, Centrifugal w/ Conventional VSD, 300 to 399 tons, 0.536 kW/ton, 0.351 IPLV	\$49.00/Cap-Tons	
467371	Water Cooled Chiller, Centrifugal w/ Conventional VSD, 400 to 599 tons, 0.497 kW/ton, 0.323 IPLV	\$75.00/Cap-Tons	
467372	Water Cooled Chiller, Centrifugal w/ Conventional VSD, 400 to 599 tons, 0.527 kW/ton, 0.342 IPLV	\$34.00/Cap-Tons	
467373	Water Cooled Chiller, Centrifugal w/ Conventional VSD, >= 600 tons, 0.497 kW/ton, 0.323 IPLV	\$50.00/Cap-Tons	
467374	Water Cooled Chiller, Centrifugal w/ Conventional VSD, >= 600 tons, 0.527 kW/ton, 0.342 IPLV	\$21.00/Cap-Tons	
467385	Water Cooled Chiller, Variable Speed Screw, < 75 tons, 0.663 kW/ton, 0.425 IPLV	\$148.00/Cap-Tons	
467386	Water Cooled Chiller, Variable Speed Screw, < 75 tons, 0.702 kW/ton, 0.45 IPLV	\$81.00/Cap-Tons	
467381	Water Cooled Chiller, Variable Speed Screw, 75 to 149 tons, 0.638 kW/ton, 0.417 IPLV	\$122.00/Cap-Tons	
467382	Water Cooled Chiller, Variable Speed Screw, 75 to 149 tons, 0.675 kW/ton, 0.441 IPLV	\$72.00/Cap-Tons	
467377	Water Cooled Chiller, Variable Speed Screw, 150 to 299 tons, 0.578 kW/ton, 0.374 IPLV	\$103.00/Cap-Tons	
467378	Water Cooled Chiller, Variable Speed Screw, 150 to 299 tons, 0.612 kW/ton, 0.396 IPLV	\$62.00/Cap-Tons	
467379	Water Cooled Chiller, Variable Speed Screw, 300 to 599 tons, 0.531 kW/ton, 0.349 IPLV	\$91.00/Cap-Tons	

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467380	Water Cooled Chiller, Variable Speed Screw, 300 to 599 tons, 0.563 kW/ton, 0.369 IPLV	\$51.00/Cap-Tons	<a href="#">41</a>
467383	Water Cooled Chiller, Variable Speed Screw, >= 600 tons, 0.497 kW/ton, 0.323 IPLV	\$84.00/Cap-Tons	
467384	Water Cooled Chiller, Variable Speed Screw, >= 600 tons, 0.527 kW/ton, 0.342 IPLV	\$39.00/Cap-Tons	
467661	Variable Speed Drive on Condenser Water Pump	\$227.00/Rated-HP	<a href="#">44</a>
467663	Variable Speed Drive on Condenser Water Pump - New	\$227.00/Rated-HP	
467718	Unoccupied Fan Control, AC Only Unit	\$2.00/Cap-Tons	<a href="#">45</a>
467720	Unoccupied Fan Control, AC Unit with Gas Heat	\$2.00/Cap-Tons	
467722	Unoccupied Fan Control, Heat Pump	\$2.00/Cap-Tons	
467724	Unoccupied Fan Control, Variable Volume AC Unit with Gas Heat	\$2.00/Cap-Tons	
467725	High Efficiency Furnace, Commercial, 95% AFUE, With VSM - New	\$22.00/Cap-kBTUh	<a href="#">46</a>
467726	High Efficiency Furnace, Commercial, 95% AFUE, With VSM	\$22.00/Cap-kBTUh	
467728	Classroom HVAC Occupancy Sensor, DX Furnace, EPr	\$18.00/Cap-Tons	<a href="#">47</a>
467791	Space Heating Boiler, Hot water boiler (300 - 2500 kBtuh, 85.0 Et, OA Reset from 140 to 165 F)	\$8.00/Cap-kBTUh	<a href="#">48</a>
467799	Space Heating Boiler, Hot water boiler (300 - 2500 kBtuh, 94.0 Et, condensing, OA reset from 140 to 165 F)	\$3.00/Cap-kBTUh	
467802	Space Heating Boiler, Hot water boiler (300 - 2500 kBtuh, 94.0 Et, condensing, OA reset from 115 to 140 F)	\$3.00/Cap-kBTUh	
467808	Space Heating Boiler, Hot water boiler (> 2500 kBtuh, 83.0 Et, 85.0Ec, OA Reset from 140 to 165 F)	\$4.00/Cap-kBTUh	
467814	Space Heating Boiler, Hot water boiler (> 2500 kBtuh, 94.0 Et, condensing, OA reset from 140 to 165 F)	\$2.00/Cap-kBTUh	
467817	Space Heating Boiler, Hot water boiler (> 2500 kBtuh, 94.0 Et, condensing, OA reset from 115 to 140 F)	\$2.00/Cap-kBTUh	
467826	Space Heating Boiler, Steam boiler (300 - 2500 kBtuh, 82.0 Et, OA Reset from 140 to 165 F)	\$12.00/Cap-kBTUh	
467829	Space Heating Boiler, Steam boiler (> 2500 kBtuh, 80.0 Et, OA Reset from 140 to 165 F)	\$1.00/Cap-kBTUh	
467832	Space Heating Boiler, Steam boiler (> 2500 kBtuh, 82.0 Et, OA Reset from 140 to 165 F)	\$2.00/Cap-kBTUh	
467838	VSD on HVAC Fan Control	\$101.00/Rated-HP	
467848	Add DCV, ADEC and CO2 Sensor, DX only	\$72.00/Cap-Tons	<a href="#">51</a>
467850	Add DCV, ADEC and CO2 Sensor, DX Furnace	\$72.00/Cap-Tons	
467852	Add DCV, ADEC and CO2 Sensor, Heat Pump	\$72.00/Cap-Tons	
467854	Add DCV and CO2 Sensor, DX only with ADEC	\$32.00/Cap-Tons	
467856	Add DCV and CO2 Sensor, DX Furnace with ADEC	\$32.00/Cap-Tons	
467858	Add DCV and CO2 Sensor, Heat Pump with ADEC	\$32.00/Cap-Tons	
467876	Cogged V-Belt for HVAC Fans	\$0.25/Cap-Tons	<a href="#">54</a>
467879	Cogged V-Belt for HVAC Fans - New	\$0.25/Cap-Tons	



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467886	Space Heating Boiler, Hot water boiler (300 - 2500 kBtuh, 85.0 Et, OA Reset from 140 to 165 F) - New	\$8.00/Cap-kBTUh	<a href="#">48</a>
467892	Space Heating Boiler, Hot water boiler (300 - 2500 kBtuh, 94.0 Et, condensing, OA reset from 140 to 165 F) - New	\$3.00/Cap-kBTUh	
467895	Space Heating Boiler, Hot water boiler (300 - 2500 kBtuh, 94.0 Et, condensing, OA reset from 115 to 140 F) - New	\$3.00/Cap-kBTUh	
467901	Space Heating Boiler, Hot water boiler (> 2500 kBtuh, 83.0 Et, 85.0Ec, OA Reset from 140 to 165 F) - New	\$4.00/Cap-kBTUh	<a href="#">48</a>
467907	Space Heating Boiler, Hot water boiler (> 2500 kBtuh, 94.0 Et, condensing, OA reset from 140 to 165 F) - New	\$2.00/Cap-kBTUh	
467910	Space Heating Boiler, Hot water boiler (> 2500 kBtuh, 94.0 Et, condensing, OA reset from 115 to 140 F) - New	\$2.00/Cap-kBTUh	
467916	Space Heating Boiler, Steam boiler (300 - 2500 kBtuh, 82.0 Et, OA Reset from 140 to 165 F) - New	\$12.00/Cap-kBTUh	
467919	Space Heating Boiler, Steam boiler (> 2500 kBtuh, 80.0 Et, OA Reset from 140 to 165 F) - New	\$1.00/Cap-kBTUh	
467922	Space Heating Boiler, Steam boiler (> 2500 kBtuh, 82.0 Et, OA Reset from 140 to 165 F) - New	\$2.00/Cap-kBTUh	<a href="#">55</a>
467927	HVAC, PTAC, High Efficiency DX unit below 24kBTUh - New	\$38.00/Cap-Tons	
467928	HVAC, PTAC, High Efficiency DX unit below 24kBTUh	\$38.00/Cap-Tons	
467935	HVAC, PTHP, High Efficiency DX unit below 24kBTUh - New	\$24.00/Cap-Tons	<a href="#">47</a>
467936	HVAC, PTHP, High Efficiency DX unit below 24kBTUh	\$24.00/Cap-Tons	
467948	Classroom HVAC Occupancy Sensor, DX Furnace, ESe	\$9.00/Cap-Tons	
467951	Classroom HVAC Occupancy Sensor, Heat Pump, ERC	\$13.00/Cap-Tons	

### 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="#">56</a>
468611	Pool Cover - Outdoor	\$1.00/Square Foot	<a href="#">57</a>



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

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### **GENERAL REQUIREMENTS**

- Customers must have an active San Diego Gas & Electric® (SDG&E) commercial, industrial or agricultural electric account if applying for an electric measure and an SDG&E gas account if applying for a gas measure.
- Customer must adhere to all program requirements. Additionally, customer must provide all information when a '**Data Collection Requirements**' section is present.
- 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](https://www.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 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.
- Fryer must also meet the tested requirements below:

**Commercial Fryer Table**

Product Code	Description	Cooking Efficiency	Idle Energy Rate	Rebate/Unit
402004	Electric Fryer (vat width <18 inches)	80%	≤ 1,000 W	\$800.00/Vat
402005	Gas Fryer (vat width <18 inches)	50%	≤ 9,000 Btu/h	\$850.00/Vat



## Energy Efficiency Business Rebates Catalog

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### 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	\$700.00/Oven
402027	Commercial Gas Convection Oven	\$1,000.00/Oven



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

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### **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**

<b>Product Code</b>	<b>Description</b>	<b>Rebate/Unit</b>
402029	Commercial Gas Rack Oven -Double	\$4,000.00/Unit





## Energy Efficiency Business Rebates Catalog

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### 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	\$2,000.00/Steamer
402136	Steam Cooker: Gas	\$1,600.00/Steamer

# Energy Efficiency Business Rebates Catalog

## COMMERCIAL KITCHEN VENTILATION CONTROL

### Requirements:

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

### Data Collection Requirements:

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

### Restrictions:

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

**Commercial Kitchen Ventilation Control Table**

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

# 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 on [caenergywise.com](http://caenergywise.com) and meet ENERGY STAR® specifications for energy efficiency as listed in Table below.

### Maximum Daily Energy Consumption Requirements

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

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

### Restrictions:

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

### Commercial Glass Door Freezer Table

Product Code	Description	Rebate/Unit
402160	Glass-Door Reach-in Freezer 15-29 ft <sup>3</sup>	\$100.00/Unit
402161	Glass-Door Reach-in Freezer 30-49 ft <sup>3</sup>	\$200.00/Unit
402159	Glass-Door Reach-in Freezer 50 ft <sup>3</sup> and over	\$500.00/Unit



# 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.

### Restrictions:

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

**Commercial Griddle Table**

Product Code	Description	Rebate/Unit
462971	Griddle: Electric	\$400.00/Linear Foot
462972	Griddle: Gas	\$200.00/Linear Foot
465296	Griddle: Electric - New	\$400.00/Linear Foot
465297	Griddle: Gas - New	\$200.00/Linear Foot



# Energy Efficiency Business Rebates Catalog

## 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.
- Must meet the tested efficiency requirements listed in the table below.

### Efficiency Requirements

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

### Restrictions:

- Used or rebuilt equipment are not eligible.

### Commercial Combination Oven Table

Product Code	Description and Required Efficiency	Rebate/Unit
463498	Combination Oven < 15 Pans: Electric	\$1,600.00/Oven
463499	Combination Oven 15-28 Pans: Electric	\$1,600.00/Oven
463500	Combination Oven > 28 Pans: Electric	\$3,500.00/Oven
463501	Combination Oven < 15 Pans: Gas	\$2,200.00/Oven
463502	Combination Oven 15 - 28 Pans: Gas	\$2,000.00/Oven
463503	Combination Oven > 28 Pans: Gas	\$4,000.00/Oven





# Energy Efficiency Business Rebates Catalog

## COMMERCIAL ICE MACHINES

### Requirements:

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

### Restrictions:

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

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

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

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

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

Red Diamond indicates a new measure



# Energy Efficiency Business Rebates Catalog

Commercial Ice Machines Table

Product Code	Description (Ice Harvest Rate Capacity)	Rebate/Unit
464053	Ice Machine SCU < 110 lbs./day: New	\$100.00/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	
464057	Ice Machine SCU > 200 lbs./day: New	\$200.00/Unit
464058	Ice Machine SCU > 200 lbs./day: Retrofit	
464059	Ice Machine IMH < 300 lbs./day: New	\$120.00/Unit
464060	Ice Machine IMH < 300 lbs./day: Retrofit	
464061	Ice Machine IMH 300 – 799 lbs./day: New	\$200.00/Unit
464062	Ice Machine IMH 300 – 799 lbs./day: Retrofit	
464063	Ice Machine IMH 800 – 1499 lbs./day: New	\$400.00/Unit
464064	Ice Machine IMH 800 – 1499 lbs./day: Retrofit	
464065	Ice Machine IMH > 1500 lbs./day: New	\$300.00/Unit
464066	Ice Machine IMH > 1500 lbs./day: Retrofit	
464067	Ice Machine RCU < 988 lbs./day: New	\$300.00/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	

Red Diamond indicates a new measure



# Energy Efficiency Business Rebates Catalog

## HAND WRAP MACHINE

### Requirements:

- Qualifying models must meet Qualified Hand Wrap Machines specifications listed on [caenergywise.com](http://caenergywise.com).
- New commercial on-demand hand-wrap machine must replace a conventional or always-on hand-wrap machine.
- Commercial hand-wrap machine must either use a mechanical or optical control system.

### Restrictions:

- Used or rebuilt equipment are not eligible.

Commercial Hand Wrap Machine Table

Product Code	Description	Rebate/Unit
465327	Hand Wrap Machine: Electric	\$125.00/Each



# Energy Efficiency Business Rebates Catalog

## REFRIGERATION PRODUCTS

### REFRIGERATION DISPLAY CASE WITH DOORS

#### Requirements:

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

#### Restrictions:

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

**Refrigeration Display Case with Doors Table**

Product Code	Description	Rebate/Unit
402152	Refrigeration Display Case with Doors: Low Temp	\$150.00/Linear Foot
402153	Refrigeration Display Case with Doors: Medium Temp	\$150.00/Linear Foot

Red Diamond indicates a new measure

# Energy Efficiency Business Rebates Catalog

## ANTI-SWEAT HEATER CONTROLS

### Requirements:

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

### Data Collection Requirements:

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

### Restrictions:

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

Anti-Sweat Heater Controls Table

Product Code	Description	Rebate/Unit
465293	Anti-Sweat Heater Controls: Low Temp	\$50.00/Linear Foot
465295	Anti-Sweat Heater Controls: Medium Temp	\$30.00/Linear Foot



# Energy Efficiency Business Rebates Catalog

## SATURATED DISCHARGE CONTROLS

### Requirements:

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

### Data Collection Requirements:

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

### Restrictions:

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

Saturated Discharge Controls Table

Product Code	Description	Rebate/Unit
467192	Saturated Discharge Controls: Air-cooled	\$150.00/Capacity Ton
467194	Saturated Discharge Controls with Variable speed fan: Air-cooled	\$250.00/Capacity Ton
467196	Saturated Discharge Controls: Evap-cooled	\$150.00/Capacity Ton
467198	Saturated Discharge Controls with Variable speed fan: Evap-cooled	\$300.00/Capacity Ton



# Energy Efficiency Business Rebates Catalog

## SATURATED SUCTION CONTROLS

### Requirements:

- Controls must be added to an existing air-cooled or evaporative-cooled multiplex refrigeration system that has a fixed Saturated Suction Temperature (SST) control.
- Controls must raise suction pressure during periods of low fixture loads to the highest point that can still maintain setpoint temperatures at monitored cases on the suction circuit.
- The maximum suction setpoint is 5<sup>0</sup>F above the design temperature. The minimum suction setpoint should be the same as the existing refrigeration system.
- Rebate is based on the design cooling load (tons), which accounts for connected display cases, walk-in coolers and freezers, and cooled storage and prep areas only.

### Data Collection Requirements:

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

### Restrictions:

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

Saturated Suction Controls Table

Product Code	Description	Rebate/Unit
467200	Saturated Suction Controls: Air-cooled	\$250.00/Capacity Ton
467202	Saturated Suction Controls: Evap-cooled	



# Energy Efficiency Business Rebates Catalog

## HIGH EFFICIENCY ULTRA LOW TEMP FREEZERS

### Requirements:

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

High Efficiency Ultra Low Freezers Table

Product Code	Description	Rebate/Unit
467205	High Efficiency Ultra Low Temp Freezer (24 to 29 ft. <sup>3</sup> ): New	\$1,200.00/Unit
467206	High Efficiency Ultra Low Temp Freezer (24 to 29 ft. <sup>3</sup> ): Retrofit	

Red Diamond indicates a new measure

# Energy Efficiency Business Rebates Catalog

## MEDIUM-TEMPERATURE CASE DOORS

### Requirements:

- The retrofit of glass doors, or glass doors with LED lights, for a medium-temperature, open-vertical, refrigerated display case must be added to an existing open-vertical, medium temp display case.
- Existing night covers must be removed during the retrofit.
- May require changes to the refrigeration system serving the affected display case(s). These changes may include but are not limited to:
  - Replacing the expansion valve and/or evaporator pressure regulating valve
  - Adjusting the evaporator temperature/pressure set point
  - Resizing refrigeration piping
  - Replacing the flood back valve on the condenser
  - Resizing the coil/piping on applicable heat reclaim systems
  - Replacing or removing compressors
- Due to the complexity in determining which system alterations will be required at a site to maintain optimum system performance, a refrigeration contractor with design experience should be consulted before proceeding with the retrofit.

### Restrictions:

- The complete removal of the existing display case and replacing it with a new case with glass doors
- Total lighting power in the measure case may not exceed total lighting power in the base case
- Anti-sweat heat (ASH) may not be present in the glass doors or door mounting

**Medium-Temperature Case Doors Table**

Product Code	Description	Rebate/Unit
467310	Med. Temperature Vertical Refrigeration Case (doors), with Night Covers to Close	\$195.00/Linear Foot
467311	Med. Temperature Vertical Refrigeration Case (doors and LED), with Night Covers, Open to Close with LED	\$210.00/Linear Foot

## ***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.

#### **BUBBLE DIFFUSION**

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

#### **COMBUSTION EFFICIENCY (CE)**

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

#### **Cap-kBtuh**

1,000 Btuh.

#### **THERMAL EFFICIENCY (TE)**

100 times useful energy output divided by input energy.

#### **TOTAL WASHER CAPACITY**

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

#### **VENTURI INJECTION**

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



# Energy Efficiency Business Rebates Catalog

## NATURAL GAS PRODUCTS

### OZONE LAUNDRY SYSTEM

#### Requirements:

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

#### Restrictions:

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

Ozone Laundry System Table

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



# Energy Efficiency Business Rebates Catalog

## SMALL STORAGE WATER HEATER

### Requirements:

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

### Restrictions:

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

Small Storage Water Heater Table

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



# Energy Efficiency Business Rebates Catalog

## LARGE STORAGE WATER HEATER

### Requirements:

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

### Restrictions:

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

Large Storage Water Heater Table

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



# Energy Efficiency Business Rebates Catalog

## LARGE INSTANTANEOUS (TANKLESS) WATER HEATER

### Requirements:

- New energy efficient gas large instantaneous water heater must replace a standard efficiency gas water heater.
- Only large instantaneous water heaters as defined by the California Energy Commission qualify:
  - Be used primarily for domestic hot water
  - Provide hot water only when there is a hot water draw from the end use.
  - Have an input rating of at least 4,000 Btu/hr per gallon of stored water.
- Applicant must provide proof of the tankless nature of the water heater (e.g., manufacturer equipment specification sheets).
- Large instantaneous water heaters must meet efficiency requirements based on size shown in Table below.

### Restrictions:

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

**Instantaneous (Tankless) Water Heater Table**

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



# Energy Efficiency Business Rebates Catalog

## PROCESS BOILER

### Requirements:

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

### Restrictions:

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

Process Boiler Table

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

# Energy Efficiency Business Rebates Catalog

## STEAM TRAPS

### Requirements:

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

### Restrictions:

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

**Steam Traps Table**

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

## Energy Efficiency Business Rebates Catalog

### PIPE/PIPE FITTING INSULATION PRODUCTS

#### 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, and the fluid type must be indicated. If the fluid is steam, the pressure of the steam must also be indicated.
- 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.

##### Data Collection Requirements:

- Length of insulation to be installed with each pipe size must be indicated on the application.
- Hours of operation must be indicated on the application.
- Manufacturer specification sheet must be submitted with the application.

##### 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.
- New construction installations are not eligible.
- Residential installations are not eligible.



# Energy Efficiency Business Rebates Catalog

Pipe/Pipe Fitting Insulation Table

Product Code	Description	Rebate/Unit
466896	1" Pipe Insulation: Hot Water Pipe ≤ 1" diameter: Indoor	\$3.00/Linear Foot
466842	1" Pipe Insulation: Hot Water Pipe, ≤ 1" diameter: Outdoor	
466897	1" Pipe Insulation: Hot Water Pipe, > 1", ≤ 4" diameter: Indoor	
466843	1" Pipe Insulation: Hot Water Pipe, > 1", ≤ 4" diameter: Outdoor	
466898	1" Pipe Insulation: Hot Water Pipe, > 4" diameter: Indoor	
466844	1" Pipe Insulation: Hot Water Pipe, > 4" diameter: Outdoor	
466923	1" Fitting Insulation: Hot Water Pipe ≤ 1" diameter: Indoor	\$7.00/Each
466869	1" Fitting Insulation: Hot Water Pipe ≤ 1" diameter: Outdoor	\$10.00/Each
466924	1" Fitting Insulation: Hot Water Pipe, > 1", ≤ 4" diameter: Indoor	
466870	1" Fitting Insulation: Hot Water Pipe, > 1", ≤ 4" diameter: Outdoor	
466925	1" Fitting Insulation: Hot Water Pipe, > 4" diameter: Indoor	\$12.00/Each
466871	1" Fitting Insulation: Hot Water Pipe, > 4" diameter: Outdoor	
466899	1" Pipe Insulation: ≤ 15 psig Steam Pipe, ≤ 1" diameter: Indoor	\$3.00/Linear Foot
466845	1" Pipe Insulation: ≤ 15 psig Steam Pipe, ≤ 1" diameter: Outdoor	
466900	1" Pipe Insulation: ≤ 15 psig Steam Pipe, > 1", ≤ 4" diameter: Indoor	
466846	1" Pipe Insulation: ≤ 15 psig Steam Pipe, > 1", ≤ 4" diameter: Outdoor	
466901	1" Pipe Insulation: ≤ 15 psig Steam Pipe, > 4" diameter: Indoor	
466847	1" Pipe Insulation: ≤ 15 psig Steam Pipe, > 4" diameter: Outdoor	
466902	1" Pipe Insulation: > 15 psig Steam Pipe, ≤ 1" diameter: Indoor	
466848	1" Pipe Insulation: > 15 psig Steam Pipe, ≤ 1" diameter: Outdoor	
466903	1" Pipe Insulation: > 15 psig Steam Pipe, > 1", ≤ 4" diameter: Indoor	
466849	1" Pipe Insulation: > 15 psig Steam Pipe, > 1", ≤ 4" diameter: Outdoor	
466904	1" Pipe Insulation: > 15 psig Steam Pipe, > 4" diameter: Indoor	\$12.00/Each
466850	1" Pipe Insulation: > 15 psig Steam Pipe, > 4" diameter: Outdoor	
466926	1" Fitting Insulation: ≤ 15 psig Steam Pipe ≤ 1" diameter: Indoor	\$15.00/Each
466872	1" Fitting Insulation: ≤ 15 psig Steam Pipe ≤ 1" diameter: Outdoor	
466927	1" Fitting Insulation: ≤ 15 psig Steam Pipe, > 1", ≤ 4" diameter: Indoor	\$30.00/Each
466873	1" Fitting Insulation: ≤ 15 psig Steam Pipe, > 1", ≤ 4" diameter: Outdoor	
466928	1" Fitting Insulation: ≤ 15 psig Steam Pipe, > 4" diameter: Indoor	\$12.00/Each
466874	1" Fitting Insulation: ≤ 15 psig Steam Pipe, > 4" diameter: Outdoor	
466929	1" Fitting Insulation: > 15 psig Steam Pipe ≤ 1" diameter: Indoor	\$15.00/Each
466875	1" Fitting Insulation: > 15 psig Steam Pipe ≤ 1" diameter: Outdoor	
466930	1" Fitting Insulation: > 15 psig Steam Pipe, > 1", ≤ 4" diameter: Indoor	\$30.00/Each
466876	1" Fitting Insulation: > 15 psig Steam Pipe, > 1", ≤ 4" diameter: Outdoor	
466931	1" Fitting Insulation: > 15 psig Steam Pipe, > 4" diameter: Indoor	\$30.00/Each
466877	1" Fitting Insulation: > 15 psig Steam Pipe, > 4" diameter: Outdoor	

Red Diamond indicates a new measure

# Energy Efficiency Business Rebates Catalog

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## HVAC REQUIREMENTS & DEFINITIONS

- Some of the products require a pre-inspection. Applicant must submit an online application at [sdge.com/NLRebates](https://sdge.com/NLRebates) to schedule a pre-inspection.

### AFUE

Annual Fuel Utilization Efficiency

### ADEC

Advanced Digital Economizer Controller

### Cap-kBtuh

1,000 Btuh

### DX

Direct expansion

### NEMA

National Electrical Manufacturers Associations

### Single Zone

The system is controlled by a single thermostat and does not employ zone dampers, bypass dampers, or any other means of air volume control required for multiple spaces.

### PMM

Permanent Magnet Motor

### VFD

Variable Frequency Drive

### VSD

Variable Speed Drive

# Energy Efficiency Business Rebates Catalog

## HVAC PRODUCTS

### ENHANCED VENTILATION FOR PACKAGED HVAC

#### Requirements:

- **Pre-inspection and post-inspection required!** Applicant must submit an online application at [sdge.com/NLRebates](http://sdge.com/NLRebates) to schedule a pre-inspection.
- Must submit commissioning report with application.
- Field documentation of the existing conditions that verify the product was necessary and that the product was successfully applied.
- This measure must replace existing equipment with the addition of controls for existing units.
- Contractors and technicians that implement these products must ensure that the existing unit does not already have these products.
- Implementation requires proper setup of the damper limits and fan speeds in order to provide ventilation in accordance with Title 24 2016. Total unit airflow must be verified for at least one of the fan speeds. The percentage of outdoor air must be verified for each of the unit operating modes, including heating and cooling for each stage as well as the ventilation only mode.

Terms and conditions are noted below. Other terms and conditions are set by individual programs.

- The existing system must be packaged single zone DX cooling unit with gas heat, cooling only unit, or heat pump.
- The existing system must have a constant volume supply fan.
- The existing system must have an operable airside economizer installed, and economizer high limit must be optimized for the climate per Title 24 2016 Table 140.4-B, adapted below in Table 1 for reference.
- Maintenance, and repairs to economizer should be completed prior to or in conjunction with this measure.

**Table 1: Economizer High Limit Shut Off Control Requirements**

Device Type	Climate Zones	Economizer High Limit Equation
Fixed Dry Bulb	1, 3, 5, 11-16	Toa > 75 ° F
	2, 4, 10	Toa > 73 ° F
	6, 8, 9	Toa > 71 ° F
	7	Toa > 69 ° F
Differential Dry Bulb	1, 3, 5, 11-16	Toa > Tra ° F
	2, 4, 10	Toa > Tra -2° F
	6, 8, 9	Toa > Tra -4° F
	7	Toa > Tra -6° F
Fixed Enthalpy + Fixed Dry Bulb	All	HoA > 28Btu/lb or Toa > 75 °F

#### Restrictions:

- The UES values for this product are not appropriate for normal replacement or new construction applications.
- This product does not apply if the rooftop unit (RTU) has a fully operational and/or non-snapdisc sensor and is adjusted to the appropriate changeover setpoint based on the number of thermostat stages available for cooling.
- This product does not apply if the unoccupied supply fan operation is already set to “Auto” or intermittent

<sup>1</sup> Red Diamond indicates a new measure



# Energy Efficiency Business Rebates Catalog

## Enhanced Ventilation for Packaged HVAC Table

Product Code	Description	Rebate/Unit
463783	New VFD on existing AC unit with NG heating and ADEC	\$55.00/Cap-Tons
463784	New VFD and NEMA motor on existing AC unit with NG heating (and ADEC)	\$86.00/Cap-Tons
463785	New VFD and PM motor on existing AC unit with NG heating (and ADEC)	\$91.00/Cap-Tons
463786	New VFD on existing AC unit (no NG heating) and ADEC	\$55.00/Cap-Tons
463787	New VFD and NEMA motor on existing AC unit (no NG heating)	\$86.00/Cap-Tons
463788	New VFD and PM motor on existing AC unit (no NG heating)	\$91.00/Cap-Tons
463789	New VFD on existing Heat Pump unit	\$55.00/Cap-Tons
463790	New VFD and NEMA motor on existing Heat Pump unit with ADEC	\$86.00/Cap-Tons
463791	New VFD and PM motor on existing Heat Pump unit and ADEC	\$91.00/Cap-Tons
463792	New VFD and ADEC on existing AC unit w/ NG heating	\$95.00/Cap-Tons
463793	New VFD, NEMA motor, and ADEC on existing AC unit w/ NG heating	\$126.00/Cap-Tons
463794	New VFD, PM motor, and ADEC on existing AC unit w/ NG heating	\$131.00/Cap-Tons
463795	New VFD and ADEC on existing AC unit only	\$95.00/Cap-Tons
463796	New VFD, NEMA motor, and ADEC on existing AC unit only	\$126.00/Cap-Tons
463797	New VFD, PM motor, and ADEC on existing AC unit only	\$131.00/Cap-Tons
463798	New VFD and ADEC on existing Heat Pump unit	\$95.00/Cap-Tons
463799	New VFD, NEMA motor, and ADEC on existing Heat Pump unit	\$126.00/Cap-Tons
463800	New VFD, PM motor, and ADEC on existing Heat Pump unit	\$131.00/Cap-Tons
467104	HVAC ENHANCED VENT GAS HEAT, including adding ADEC, CO2 sensor, VFD to units with Gas Heat	\$127.00/Cap-Tons
467106	HVAC ENHANCED VENT NEMA GAS HEAT, including adding ADEC, CO2 sensor, VFD, NEMA motor to units with Gas Heat	\$159.00/Cap-Tons
467108	HVAC ENHANCED VENT PMM GAS HEAT, including adding ADEC, CO2 sensor, VFD, PMM motor to units with Gas Heat	\$164.00/Cap-Tons
467110	HVAC ENHANCED VENT HEAT PUMP, including adding ADEC, CO2 sensor, VFD to Heat	\$127.00/Cap-Tons
467112	HVAC ENHANCED VENT NEMA HEAT PUMP, including Adding ADEC, CO2 sensor, VFD, NEMA motor to Heat Pump	\$159.00/Cap-Tons
467114	HVAC ENHANCED VENT PMM HEAT PUMP, including Adding ADEC, CO2 sensor, VFD, PMM motor to Heat Pump	\$164.00/Cap-Tons

Red Diamond indicates a new measure



# Energy Efficiency Business Rebates Catalog

## AIR COOLED CHILLER

### Requirements:

- The energy and demand impacts of this product are applicable only to commercial buildings with chiller equipment serving space comfort. Other chiller products serving non-space comfort and/or processes and/or industrial applications shall be evaluated and incentivized under custom programs.
- Must submit commissioning report with application.
- Products are required to meet both full load and integrated part load efficiency requirements specified below:

Measure Offering	Capacity (Tons)	Full Load EER	IPLV
Air Cooled Chiller	≥ 150	11.1	15.4
	≥ 150	12.1	16.9
	< 150	11.1	15.1
	< 150	12.1	16.6

### Restrictions:

- Per Section 140.4 (j) of the 2019 California Building Energy Efficiency Standards (Title-24), chilled water plants shall not have more than 300 tons provided by air cooled chillers, except where the water quality at the building site fails to meet the manufacturer specifications for the use of water-cooled chillers, chillers that are used to charge a thermal energy storage system with a design temperature of less than 40 °F or systems serving healthcare facilities.

**Air Cooled Chiller Table**

Product Code	Description	Rebate/Unit
467175	Air Cooled Constant Speed Screw Chiller (≥ 150 tons, 11.1 EER, 15.4 IPLV)	\$70.00/Cap-Tons
467176	Air Cooled Constant Speed Screw Chiller (≥ 150 tons, 11.1 EER, 15.4 IPLV) - New	\$70.00/Cap-Tons
467179	Air Cooled Constant Speed Screw Chiller (≥ 150 tons, 12.1 EER, 16.9 IPLV)	\$95.00/Cap-Tons
467180	Air Cooled Constant Speed Screw Chiller (≥ 150 tons, 12.1 EER, 16.9 IPLV) - New	\$95.00/Cap-Tons
467183	Air Cooled Constant Speed Screw Chiller (< 150 tons, 11.1 EER, 15.1 IPLV)	\$90.00/Cap-Tons
467184	Air Cooled Constant Speed Screw Chiller (< 150 tons, 11.1 EER, 15.1 IPLV) - New	\$90.00/Cap-Tons
467187	Air Cooled Constant Speed Screw Chiller (< 150 tons, 12.1 EER, 16.6 IPLV)	\$163.00/Cap-Tons
467188	Air Cooled Constant Speed Screw Chiller (< 150 tons, 12.1 EER, 16.6 IPLV) - New	\$163.00/Cap-Tons

# Energy Efficiency Business Rebates Catalog

## WATER COOLED CHILLER

### Requirements:

- There are two tiers of product offerings that are defined below as:
  - Tier 1: Both the full load efficiency (kW/Ton) AND integrated part load efficiency (IPLV) of the chiller technology should exceed Title 24 minimum requirement by 10%.
  - Tier 2: Both the full load efficiency (kW/Ton) AND integrated part load efficiency (IPLV) of the chiller technology should exceed Title 24 minimum requirement by 15%.
- Must submit commissioning report with application.
- Products are required to meet both full load and integrated part load efficiency requirements specified below:

Measure Offering	Capacity (Tons)	% Exceeds Title 24	Full Load EER (kW/Ton)	IPLV (kW/Ton)	
Centrifugal w/ Conventional VSD	< 150	15%	0.591	0.374	
		10%	0.626	0.396	
	150 - 299	15%	0.540	0.340	
		10%	0.572	0.360	
	300 - 399	15%	0.506	0.332	
		10%	0.536	0.351	
	400 - 599	15%	0.497	0.323	
		10%	0.527	0.342	
	≥ 600	15%	0.497	0.323	
		10%	0.702	0.342	
	Variable Speed Screw	< 75	15%	0.663	0.425
			10%	0.702	0.450
75 - 149		15%	0.638	0.417	
		10%	0.675	0.441	
150 - 299		15%	0.578	0.374	
		10%	0.612	0.396	
300 - 599		15%	0.531	0.349	
		10%	0.563	0.369	
≥ 600		15%	0.497	0.323	
		10%	0.527	0.342	

### Restrictions:

- All products related to constant speed screw, constant speed centrifugal, and frictionless chillers are excluded due to the stringency of the tiers specified for the 2020 update of the Database of Energy Efficient Resources (DEER) and equipment availability in the market.



# Energy Efficiency Business Rebates Catalog

Water Cooled Chiller Table

Product Code	Description	Rebate/Unit
467355	Water Cooled Chiller, Centrifugal w/ Conventional VSD, < 150 tons, 0.591 kW/ton, 0.374 IPLV - New	\$124.00/Cap-Tons
467356	Water Cooled Chiller, Centrifugal w/ Conventional VSD, < 150 tons, 0.626 kW/ton, 0.396 IPLV - New	\$66.00/Cap-Tons
467347	Water Cooled Chiller, Centrifugal w/ Conventional VSD, 150 to 299 tons, 0.54 kW/ton, 0.34 IPLV - New	\$84.00/Cap-Tons
467348	Water Cooled Chiller, Centrifugal w/ Conventional VSD, 150 to 299 tons, 0.572 kW/ton, 0.36 IPLV - New	\$49.00/Cap-Tons
467349	Water Cooled Chiller, Centrifugal w/ Conventional VSD, 300 to 399 tons, 0.506 kW/ton, 0.332 IPLV - New	\$72.00/Cap-Tons
467350	Water Cooled Chiller, Centrifugal w/ Conventional VSD, 300 to 399 tons, 0.536 kW/ton, 0.351 IPLV - New	\$49.00/Cap-Tons
467351	Water Cooled Chiller, Centrifugal w/ Conventional VSD, 400 to 599 tons, 0.497 kW/ton, 0.323 IPLV - New	\$75.00/Cap-Tons
467352	Water Cooled Chiller, Centrifugal w/ Conventional VSD, 400 to 599 tons, 0.527 kW/ton, 0.342 IPLV - New	\$34.00/Cap-Tons
467353	Water Cooled Chiller, Centrifugal w/ Conventional VSD, >= 600 tons, 0.497 kW/ton, 0.323 IPLV - New	\$50.00/Cap-Tons
467354	Water Cooled Chiller, Centrifugal w/ Conventional VSD, >= 600 tons, 0.527 kW/ton, 0.342 IPLV - New	\$21.00/Cap-Tons
467365	Water Cooled Chiller, Variable Speed Screw, < 75 tons, 0.663 kW/ton, 0.425 IPLV - New	\$148.00/Cap-Tons
467366	Water Cooled Chiller, Variable Speed Screw, < 75 tons, 0.702 kW/ton, 0.450 IPLV - New	\$81.00/Cap-Tons
467361	Water Cooled Chiller, Variable Speed Screw, 75 to 149 tons, 0.638 kW/ton, 0.417 IPLV - New	\$122.00/Cap-Tons
467362	Water Cooled Chiller, Variable Speed Screw, 75 to 149 tons, 0.675 kW/ton, 0.441 IPLV - New	\$72.00/Cap-Tons
467357	Water Cooled Chiller, Variable Speed Screw, 150 to 299 tons, 0.578 kW/ton, 0.374 IPLV - New	\$103.00/Cap-Tons
467358	Water Cooled Chiller, Variable Speed Screw, 150 to 299 tons, 0.612 kW/ton, 0.396 IPLV - New	\$62.00/Cap-Tons
467359	Water Cooled Chiller, Variable Speed Screw, 300 to 599 tons, 0.531 kW/ton, 0.349 IPLV - New	\$91.00/Cap-Tons
467360	Water Cooled Chiller, Variable Speed Screw, 300 to 599 tons, 0.563 kW/ton, 0.369 IPLV - New	\$51.00/Cap-Tons
467363	Water Cooled Chiller, Variable Speed Screw, >= 600 tons, 0.497 kW/ton, 0.323 IPLV - New	\$84.00/Cap-Tons

Red Diamond indicates a new measure



# Energy Efficiency Business Rebates Catalog

467364	Water Cooled Chiller, Variable Speed Screw, >= 600 tons, 0.527 kW/ton, 0.342 IPLV - New	\$39.00/Cap-Tons
467375	Water Cooled Chiller, Centrifugal w/ Conventional VSD, < 150 tons, 0.591 kW/ton, 0.374 IPLV	\$124.00/Cap-Tons
467376	Water Cooled Chiller, Centrifugal w/ Conventional VSD, < 150 tons, 0.626 kW/ton, 0.396 IPLV	\$66.00/Cap-Tons
467367	Water Cooled Chiller, Centrifugal w/ Conventional VSD, 150 to 299 tons, 0.54 kW/ton, 0.34 IPLV	\$84.00/Cap-Tons
467368	Water Cooled Chiller, Centrifugal w/ Conventional VSD, 150 to 299 tons, 0.572 kW/ton, 0.36 IPLV	\$49.00/Cap-Tons
467369	Water Cooled Chiller, Centrifugal w/ Conventional VSD, 300 to 399 tons, 0.506 kW/ton, 0.332 IPLV	\$72.00/Cap-Tons
467370	Water Cooled Chiller, Centrifugal w/ Conventional VSD, 300 to 399 tons, 0.536 kW/ton, 0.351 IPLV	\$49.00/Cap-Tons
467371	Water Cooled Chiller, Centrifugal w/ Conventional VSD, 400 to 599 tons, 0.497 kW/ton, 0.323 IPLV	\$75.00/Cap-Tons
467372	Water Cooled Chiller, Centrifugal w/ Conventional VSD, 400 to 599 tons, 0.527 kW/ton, 0.342 IPLV	\$34.00/Cap-Tons
467373	Water Cooled Chiller, Centrifugal w/ Conventional VSD, >= 600 tons, 0.497 kW/ton, 0.323 IPLV	\$50.00/Cap-Tons
467374	Water Cooled Chiller, Centrifugal w/ Conventional VSD, >= 600 tons, 0.527 kW/ton, 0.342 IPLV	\$21.00/Cap-Tons
467385	Water Cooled Chiller, Variable Speed Screw, < 75 tons, 0.663 kW/ton, 0.425 IPLV	\$148.00/Cap-Tons
467386	Water Cooled Chiller, Variable Speed Screw, < 75 tons, 0.702 kW/ton, 0.45 IPLV	\$81.00/Cap-Tons
467381	Water Cooled Chiller, Variable Speed Screw, 75 to 149 tons, 0.638 kW/ton, 0.417 IPLV	\$122.00/Cap-Tons
467382	Water Cooled Chiller, Variable Speed Screw, 75 to 149 tons, 0.675 kW/ton, 0.441 IPLV	\$72.00/Cap-Tons
467377	Water Cooled Chiller, Variable Speed Screw, 150 to 299 tons, 0.578 kW/ton, 0.374 IPLV	\$103.00/Cap-Tons
467378	Water Cooled Chiller, Variable Speed Screw, 150 to 299 tons, 0.612 kW/ton, 0.396 IPLV	\$62.00/Cap-Tons
467379	Water Cooled Chiller, Variable Speed Screw, 300 to 599 tons, 0.531 kW/ton, 0.349 IPLV	\$91.00/Cap-Tons
467380	Water Cooled Chiller, Variable Speed Screw, 300 to 599 tons, 0.563 kW/ton, 0.369 IPLV	\$51.00/Cap-Tons
467383	Water Cooled Chiller, Variable Speed Screw, >= 600 tons, 0.497 kW/ton, 0.323 IPLV	\$84.00/Cap-Tons
467384	Water Cooled Chiller, Variable Speed Screw, >= 600 tons, 0.527 kW/ton, 0.342 IPLV	\$39.00/Cap-Tons

Red Diamond indicates a new measure



# Energy Efficiency Business Rebates Catalog

## VSD FOR CENTRAL PLANT SYSTEM

### Requirements:

- **Pre-inspection required!** Applicant must submit an online application at [sdge.com/NLRebates](http://sdge.com/NLRebates) to schedule a pre-inspection.
- Must submit commissioning report with application.
- All new variable speed drives (VSDs) and motor equipment must be UL Listed and specifically rated for the application.
- Constant speed Condenser Water Pump (CWP) not already equipped with a variable speed drive (VSD) are eligible.
- VSD must meet all applicable regulations including but not limited to the current California Building Energy Efficiency Standards (Title 24) and the National Electrical Code®.
- Implementation and Installation Requirements:
  - Special attention must be given to the condenser water flow turndown capabilities of the existing chiller(s). It is imperative that chiller manufacturer selection data and retrofit information be reviewed carefully to ensure that the existing chiller(s) is (are) rated to operate at the selected minimum condenser water flow, and that the control strategy includes capability to increase the flow as needed to keep the leaving condenser temperature from exceeding an upper limit dependent on the existing chiller.

### Restrictions:

- This product excludes central plant equipment under any type of plant optimization and/or retro-commissioning at both the central plant and/or system HVAC levels; and/or central plants supporting “process” load; and/or industrial applications serving non-HVAC “space comfort” loads; and/or central plant operating with thermal energy storage. All non-standard central plant applications shall be incentivized under custom programs.

VSD for Central Plant System Table

Product Code	Description	Rebate/Unit
467661	Variable Speed Drive on Condenser Water Pump	\$227.00/Rated-HP
467663	Variable Speed Drive on Condenser Water Pump - New	\$227.00/Rated-HP



# Energy Efficiency Business Rebates Catalog

## SUPPLY FAN CONTROLS

### Requirements:

- **Pre-inspection and post-inspection required!** Applicant must submit an online application at [sdge.com/NLRebates](http://sdge.com/NLRebates) to schedule a pre-inspection.
- Must submit commissioning report with application.
- This product requires field documentation of the existing conditions that verify the product was necessary and that the product was successfully applied.
- Additional technician verification of thermostat wiring and the number of cooling stages that should be performed to ensure that the first stage of cooling is dedicated to economizer operation and two-stage thermostat operation is enabled where possible.
- The controller changeover setpoint should be adjusted appropriately based on the available number of thermostat cooling stages.
- Contractors and technicians that implement the measure must meet all certification and training requirements in accordance with industry standard practices.
- Contractors and technicians that implement this product must ensure that the existing unit does not already have the supply fan in automatic mode or switched OFF during unoccupied periods.

### Restrictions:

- This product does not apply if the rooftop unit (RTU) has a fully operational and/or non-snapdisc sensor and is adjusted to the appropriate changeover setpoint based on the number of thermostat stages available for cooling.
- This product does not apply if the unoccupied supply fan operation is already set to “Auto” or intermittent.

Supply Fan Controls Table

Product Code	Description	Rebate/Unit
467718	Unoccupied Fan Control, AC Only Unit	\$3.00/Cap-Tons
467720	Unoccupied Fan Control, AC Unit with Gas Heat	\$3.00/Cap-Tons
467722	Unoccupied Fan Control, Heat Pump	\$3.00/Cap-Tons
467724	Unoccupied Fan Control, Variable Volume AC Unit with Gas Heat	\$3.00/Cap-Tons

# Energy Efficiency Business Rebates Catalog

## HIGH EFFICIENCY GAS FURNACE

### Requirements:

- All eligible products must meet the specification listed in the High Efficiency Gas Furnace Table.
- Must submit commissioning report with application.
- All installations must replace the previously installed gas furnace.
- The replacement furnace must be a weatherized unit.
- Furnaces that meet or exceed the eligibility requirements are listed on the Furnace Rebate Table <https://www.ahridirectory.org/ahridirectory/pages/home.aspx>
- Combustion condensate management must meet local codes and demonstrate adequate freeze protection in colder climate rooftop environments. Manufacturer installation instructions must be followed.
- Because combustion condensate is acidic and must be neutralized by an approved dilution or neutralizing device before discharging into the plumbing system.
- Only residential furnaces installed in a small commercial establishment qualify for the rebate.
- A brushless DC motor, also known as an electronically commutated motor (ECM), is also eligible.
- Eligible Building Types:

Eligible Building Types	
Assembly – (Asm)	Manufacturing – Light Industrial (MLI)
Commercial (Com)	Health/Medical - Nursing Home (Nrs)
Education – Community College (ECC)	Office Small (OfS)
Education – Primary School (Epr)	Restaurant – Fast Food (RFF)
Education – Relocatable Classroom (ERC)	Restaurant – Sit-Down (RSD)
Education – Secondary School (ESe)	Retail – Single-story Large (RSL)
Grocery (Gro)	Retail – Single-story Small (RSS)
Health/Medical – Hospital (Hsp)	Storage – Conditioned (SCn)
Lodging – Hotel (Htl)	Warehouse – Refrigerated (WRf)
Manufacturing – Biotech (MBT)	

**High Efficiency Gas Furnace Table**

Product Code	Description	Rebate/Unit
467725	High Efficiency Furnace, Commercial, 95% AFUE, With VSM - New	\$22.00/Cap-kBTUh
467726	High Efficiency Furnace, Commercial, 95% AFUE, With VSM	\$22.00/Cap-kBTUh





# Energy Efficiency Business Rebates Catalog

## CLASSROOM HVAC OCCUPANCY SENSOR

### Requirements:

- **Pre-inspection required!** Applicant must submit an online application at [sdge.com/NLRebates](http://sdge.com/NLRebates) to schedule a pre-inspection.
- Must submit commissioning report with application.
- Requires installation of an HVAC occupancy sensing thermostat in the classroom. This control equipment includes, but is not limited to:
  - An occupancy sensing thermostat
    - The thermostat must have an unoccupied setback temperature control during closed hours
    - The thermostat must be able to revert to the unoccupied setback temperatures when there no occupancy sensed for a predetermined duration
  - An occupancy sensor (wired or wireless)
  - Wiring (if wired)
  - Signal receiver and power pack (if wireless)
- This product is only applicable for classrooms in education primary schools (EPR), education secondary schools (ESE), and education re-locatable classroom (ERC).

### Restrictions:

- This product is not applicable for education community colleges and education universities, unless these buildings have relocatable classrooms with packaged HVAC units.

Classroom HVAC Occupancy Sensor Table

Product Code	Description	Rebate/Unit
467728	Classroom HVAC Occupancy Sensor, DX Furnace, EPr	\$18.00/Cap-Tons
467948	Classroom HVAC Occupancy Sensor, DX Furnace, ESe	\$9.00/Cap-Tons
467951	Classroom HVAC Occupancy Sensor, Heat Pump, ERC	\$13.00/Cap-Tons



# Energy Efficiency Business Rebates Catalog

## SPACE HEATING BOILER

### Requirements:

- Must submit commissioning report with application.
- Manufacturer Specification Sheet that lists the boiler type, input rating, and efficiency rating must be submitted with the enrollment.
- The boiler must be used for space heating to induce human comfort, as defined by the California Appliance Efficiency Regulations (Title 20) and Building Energy Efficiency Standards (Title 24).
- The installation address must have an active SDG&E gas account.
- The boiler must meet the efficiency requirements in the table listed below:

Boiler Type	Rated Input (MBTUh)	Tier 1		Tier 2	
		Measure Efficiency	OA Reset Control	Measure Efficiency	OA Reset Control
Hot Water	< 300	84% (AFUE)	-	-	-
	300 – 2,500	85% TE	140-165 °F	94% TE	115-165 °F or 140-165 °F
	≥ 2,500	83% TE 85% CE	140-165 °F	94% TE	115-165 °F or 140-165 °F
Steam	300 – 2,500	82% TE	140-165 °F	-	
	≥ 2,500	80% TE	140-165 °F	82% TE	140-165 °F

Space Heating Boiler Table

Product Code	Description	Rebate/Unit
467791	Space Heating Boiler, Hot water boiler (300 - 2500 kBtuh, 85.0 Et, OA Reset from 140 to 165 F)	\$8.00/Cap-kBTU <sub>h</sub>
467799	Space Heating Boiler, Hot water boiler (300 - 2500 kBtuh, 94.0 Et, condensing, OA reset from 140 to 165 F)	\$3.00/Cap-kBTU <sub>h</sub>
467802	Space Heating Boiler, Hot water boiler (300 - 2500 kBtuh, 94.0 Et, condensing, OA reset from 115 to 140 F)	\$3.00/Cap-kBTU <sub>h</sub>
467808	Space Heating Boiler, Hot water boiler (> 2500 kBtuh, 83.0 Et, 85.0Ec, OA Reset from 140 to 165 F)	\$4.00/Cap-kBTU <sub>h</sub>
467814	Space Heating Boiler, Hot water boiler (> 2500 kBtuh, 94.0 Et, condensing, OA reset from 140 to 165 F)	\$2.00/Cap-kBTU <sub>h</sub>
467817	Space Heating Boiler, Hot water boiler (> 2500 kBtuh, 94.0 Et, condensing, OA reset from 115 to 140 F)	\$2.00/Cap-kBTU <sub>h</sub>
467826	Space Heating Boiler, Steam boiler (300 - 2500 kBtuh, 82.0 Et, OA Reset from 140 to 165 F)	\$12.00/Cap-kBTU <sub>h</sub>

Red Diamond indicates a new measure



## Energy Efficiency Business Rebates Catalog

467829	Space Heating Boiler, Steam boiler (> 2500 kBtuh, 80.0 Et, OA Reset from 140 to 165 F)	\$1.00/Cap-kBTUh
467832	Space Heating Boiler, Steam boiler (> 2500 kBtuh, 82.0 Et, OA Reset from 140 to 165 F)	\$2.00/Cap-kBTUh
467886	Space Heating Boiler, Hot water boiler (300 - 2500 kBtuh, 85.0 Et, OA Reset from 140 to 165 F) - New	\$8.00/Cap-kBTUh
467892	Space Heating Boiler, Hot water boiler (300 - 2500 kBtuh, 94.0 Et, condensing, OA reset from 140 to 165 F) - New	\$3.00/Cap-kBTUh
467895	Space Heating Boiler, Hot water boiler (300 - 2500 kBtuh, 94.0 Et, condensing, OA reset from 115 to 140 F) - New	\$3.00/Cap-kBTUh
467901	Space Heating Boiler, Hot water boiler (> 2500 kBtuh, 83.0 Et, 85.0Ec, OA Reset from 140 to 165 F) - New	\$4.00/Cap-kBTUh
467907	Space Heating Boiler, Hot water boiler (> 2500 kBtuh, 94.0 Et, condensing, OA reset from 140 to 165 F) - New	\$2.00/Cap-kBTUh
467910	Space Heating Boiler, Hot water boiler (> 2500 kBtuh, 94.0 Et, condensing, OA reset from 115 to 140 F) - New	\$2.00/Cap-kBTUh
467916	Space Heating Boiler, Steam boiler (300 - 2500 kBtuh, 82.0 Et, OA Reset from 140 to 165 F) - New	\$12.00/Cap-kBTUh
467919	Space Heating Boiler, Steam boiler (> 2500 kBtuh, 80.0 Et, OA Reset from 140 to 165 F) - New	\$1.00/Cap-kBTUh
467922	Space Heating Boiler, Steam boiler (> 2500 kBtuh, 82.0 Et, OA Reset from 140 to 165 F) - New	\$2.00/Cap-kBTUh



# Energy Efficiency Business Rebates Catalog

## VARIABLE SPEED DRIVE FOR HVAC FAN CONTROLS

### Requirements:

- **Pre-inspection and post-inspection required!** Applicant must submit an online application at [sdge.com/NLRebates](http://sdge.com/NLRebates) to schedule a pre-inspection.
- Must submit commissioning report with application.
- This product requires the installation of a variable frequency drive and associated controls on a motor driving a ventilation fan. Eligibility requirements include:
  - The fan must be ≤100 hp
  - As an add-on equipment installation, the drive must be applied to the existing HVAC supply or return air system.
  - Any other throttling devices, such as inlet vanes or bypass dampers, and throttling valves, must be removed or permanently disable.

Eligible Building Types	
Education – Secondary School	Lodging – Hotel
Education – Community College	Office – Large
Education – University	Retail – Multistory Large
Health/Medical – Hospital	Grocery – Grocery
Health/Medical – Nursing Home	

### Restrictions:

- Fans of size > 100 hp are not eligible.
- Replacement of multiple-speed or variable speed motors (VSM) are not eligible.
- Variable frequency drives on cooling tower fans are not eligible.

VSD for HVAC Fan Controls Table

Product Code	Description	Rebate/Unit
467838	VSD on HVAC Fan Control	\$101.00/Rated-HP

# Energy Efficiency Business Rebates Catalog

## DEMAND CONTROLLED VENTILATION FOR SINGLE ZONE HVAC

### Requirements:

- **Pre-inspection and post-inspection required!** Applicant must submit an online application at [sdge.com/NLRebates](http://sdge.com/NLRebates) to schedule a pre-inspection.
- Must submit commissioning report with application.
- The following qualifications must be met for rebate eligibility:
  - To be eligible for CO<sub>2</sub> sensor-only rebate existing economizer control must be a digital type control and must have the capability to control the damper in response to a CO<sub>2</sub> sensor signal.
  - To be eligible for ADEC with CO<sub>2</sub> sensor rebate a program-qualifying ADEC or Enhanced Ventilation controller must be installed in addition to the CO<sub>2</sub> sensor. See bullet above for qualifying ADEC specification.
  - For each system with demand control ventilation, CO<sub>2</sub> sensors shall be installed in each room with no less than one sensor per 10,000 ft<sup>2</sup> of floor space. When a zone or a space is served by more than one sensor, signal from any sensor indicating that C CO<sub>2</sub> O<sub>2</sub> is near or at the setpoint within a space, shall trigger an increase in ventilation to the space.
  - Upon detection of sensor failure, the system shall provide a signal which resets to supply the minimum quantity of outside air to the level required if DCV were not installed.
  - CO<sub>2</sub> sensors shall be certified by the manufacturer to be accurate within plus or minus 75 ppm at a 600 and 1,000 ppm concentration when measured at sea level and 25 °C, factory calibrated, and certified by the manufacturer to require calibration no more frequently than once every 5 years.
- Existing System Requirements:
  - The existing system must be packaged single zone DX cooling unit with gas heat, cooling only unit, or heat pump.
  - The existing system must ventilate continuously during occupied hours and may not have any other device previously installed that is intended to perform DCV such as an occupancy sensor that controls ventilation rate.
  - The measure shall only be applied where it will result in a reduction to the overall ventilation that is supplied for the space.
  - The existing system must have an operable airside economizer installed, and economizer high limit must be optimized for the climate per Title 24 20165 Table 140.4-B, adapted in the table below for reference.

**Economizer High Limit Shut Off Control Requirements**

Device Type	Climate Zones	Economizer High Limit Equation
Fixed Dry Bulb	1, 3, 5, 11-16	Toa >75 ° F
	2, 4, 10	Toa >73 ° F
	6, 8, 9	Toa >71 ° F
	7	Toa >69 ° F
Differential Dry Bulb	1, 3, 5, 11-16	Toa > Tra ° F
	2, 4, 10	Toa > Tra -2° F
	6, 8, 9	Toa > Tra -4° F
	7	Toa > Tra -6° F
Fixed Enthalpy + Fixed Dry Bulb	All	HoA > 28Btu/lb or Toa > 75 ° F

<sup>1</sup> Red Diamond indicates a new measure

## Energy Efficiency Business Rebates Catalog

- Verification and Data Requirements:
  - The table below provides data required for verification of installation and setup requirements.

Required Data	Eligible Values
Actual or proxy building type	See Eligible Building Types below
Unit type	Packaged single zone DX - cooling unit with gas heat, cooling only unit, or heat pump
Nominal cooling capacity	Any
As-found minimum ventilation position	>0% open
As-found occupied fan operation	Continuous/ON
As-left minimum ventilation position	Less than as-found position
Sensor location	Wall in zone or return duct
CO2 concentration high limit	1,000 ppm without direct measurement of outdoor air concentration or dynamically adjusted to 600 ppm above measured outdoor air concentration

- Eligible Building Types

Building Type Code	Activity Area Type	Weekly Occupied Hours	Peak Occupant Density (people per kSF)
Asm	Auditorium	98	95.2
EPr	Classroom / Lecture	69	33.4
EPr	Dining Area	15	44.5
EPr	Exercising Center / Gym	55	13.3
ERC	Classroom / Lecture	69	33.3
ESe	Classroom / Lecture	69	33.3
ESe	Dining Area	59	44.5
ESe	Exercising Center / Gym	74	13.3
ESe	Classroom / Lecture (93%)	69	31.5
ESe	Computer (Instruc/PC Lab)	69	13.0
EUn	Classroom / Lecture	99	33.3
EUn	Dining Area	40	44.5
EUn	Computer (Instruc/PC Lab)	55	13.3
GRo	Retail Sales, Grocery	112	22.2
Hsp	Dining Area	168	44.3
Hsp	Laboratory, Medical	168	13.6
MBT	Conference Room	35	44.5
MBT	Dining	75	44.5
Nrs	Dining Area	77	44.5
OfS	Corridor	65	10.8
RFF	Dining Area	133	43.8
RFF	Lobby (Main Entry/Assem)	133	96.7
RFF	Restrooms	133	20.0
RSD	Dining Area	112	44.3
RSD	Lobby (Main Entry /Assem)	112	94.9
RSD	Restrooms	112	20.0
Rt3	Retail / Wholesale Showrm	94	19.4
RtL	Retail / Wholesale Showrm	98	22.2
RtS	Retail / Wholesale Showrm	88	22.2



## Energy Efficiency Business Rebates Catalog

### Demand Controlled Ventilation for Single Zone HVAC Table

Product Code	Description	Rebate/Unit
467848	Add DCV, ADEC and CO2 Sensor, DX only	\$72.00/Cap-Tons
467850	Add DCV, ADEC and CO2 Sensor, DX Furnace	\$72.00/Cap-Tons
467852	Add DCV, ADEC and CO2 Sensor, Heat Pump	\$72.00/Cap-Tons
467854	Add DCV and CO2 Sensor, DX only with ADEC	\$32.00/Cap-Tons
467856	Add DCV and CO2 Sensor, DX Furnace with ADEC	\$32.00/Cap-Tons
467858	Add DCV and CO2 Sensor, Heat Pump with ADEC	\$32.00/Cap-Tons

# Energy Efficiency Business Rebates Catalog

## COGGED V-BELT FOR HVAC FAN

### Requirements:

- Must submit manufacturer specification sheet with application.
- A cogged V-belt can be installed on supply air and return air fans in rooftop units that do not already have a cogged V-belt.
- Only “A” and “B” V-belts are applicable for this rebate:
  - “A” belt is  $\frac{1}{2}$  inch wide and  $\frac{5}{16}$  inch thick
  - “B” belt is  $\frac{21}{32}$  inch wide and  $\frac{12}{32}$  inch thick

Eligible Building Types	
Assembly	Manufacturing – Lighting Industrial
Education – Community College	Office – Large
Education – Primary School	Office – Small
Education – Secondary School	Restaurant – Fast Food
Education – University	Restaurant – Sit Down
Education – Relocatable Classroom	Retail – Multistory Large
Health/Medical – Hospital	Retail – Single-Story Large
Health/Medical – Nursing Home	Retail – Small
Lodging – Hotel	Storage - Conditioned
Lodging – Motel	Grocery – Grocery
Manufacturing – Bio/Tech	

### Restrictions:

- This product is not applicable if the rooftop unit already has cogged V-belts.

Cogged V-Belt for HVAC Table

Product Code	Description	Rebate/Unit
467876	Cogged V-Belt for HVAC Fans	\$0.25/Cap-Tons
467879	Cogged V-Belt for HVAC Fans - New	\$0.25/Cap-Tons

# Energy Efficiency Business Rebates Catalog

## PACKAGE TERMINAL AIR CONDITIONER OR HEAT PUMP

### Requirements:

- Must submit commissioning report with application.
- Must be either a package terminal air conditioner (PTAC) or a package terminal heat pump (PTHP) that is through the wall, self-contained, with a cooling capacity  $\leq 2$  tons ( $\leq 24$  kBTUh).
- The PTAC or PTHP must meet the below efficiency requirements:

Installation Type	Capacity Range	AC Min EER	HP Min EER
Normal Replacement	$\leq 7,000$ Btu/hr	11.29	11.17
	$> 7,001$ and $\leq 15,000$ Btu/hr	10.27	10.15
	$>15,001$ Btu/hr	9.25	9.13
New Construction	$\leq 7,000$ Btu/hr	14.28	14.28
	$> 7,001$ and $\leq 15,000$ Btu/hr	12.84	12.84
	$>15,001$ Btu/hr	11.40	11.40

Eligible Building Types	
Health/Medical – Nursing Home	Office – Large
Lodging – Hotel	Office – Small
Lodging – Motel	Restaurant – Fast Food
Lodging – Guest Rooms	Retail – Small
Manufacturing – Bio/Tech	Warehouse – Refrigerated
Manufacturing – Lighting Industrial	

### Restrictions:

- Ductless mini-split air conditioners are not eligible.

### Package Terminal Air Conditioner or Heat Pump Table

Product Code	Description	Rebate/Unit
467927	HVAC, PTAC, High Efficiency DX unit below 24kBTUh - New	\$38.00/Cap-Tons
467928	HVAC, PTAC, High Efficiency DX unit below 24kBTUh	\$38.00/Cap-Tons
467935	HVAC, PTHP, High Efficiency DX unit below 24kBTUh - New	\$24.00/Cap-Tons
467936	HVAC, PTHP, High Efficiency DX unit below 24kBTUh	\$24.00/Cap-Tons





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

#### Restrictions:

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

**Greenhouse Heat Curtains Table**

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

# Energy Efficiency Business Rebates Catalog

## POOL COVER - OUTDOOR

### Requirements:

- Eligible facilities are:
  - Existing schools/colleges (educational institutions)
  - City (municipal) recreational centers
  - Home owner associations (e.g., condominiums with common pools)
  - Private/health clubs
  - Multifamily residences (apartment buildings)
  
- Outdoor and indoor heated swimming pools that do not already have a pool cover qualify for the rebate. Additionally, if the facility has an existing pool cover the pool cover must no longer be in use, has reached the end of its useful life, and is no longer effective to qualify for the rebate.
  
- The pool must be heated with natural gas.
  
- The cover must have 1/8" thick (L), high-density polyethylene foam of thermal conductivity (K) Factor 0.25 Btu/ft<sup>2</sup>-Hr-°F/inch (based upon the ASTM D2326 standard, *withdrawn*).
  
- The new pool cover must cover at least 95% of the pool
  
- Proof of minimum five-year warranty (any combination of manufacturers and/or extended applies).
  
- Proof of cover thickness and K factor (found on the manufacturer specification sheet)
  
- Olympic size pools must have a storage reel system either manual or automatic winding and are subject to inspection.
  
- Rebate is applicable to installed pool cover; per pool only
  
- Rebate is based on the square footage of the pool area
  
- **100% post inspection**

### Restrictions:

- New construction installations are not eligible.

**Pool Cover Table**

Product Code	Description	Efficiency Requirements	Rebate/Unit
468611	Outdoor Pool Cover	R value ≥ 0.5 ft <sup>2</sup> - hr. - °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 ≥ 0.5 ft<sup>2</sup> - hr. - °F/Btu.

Sample Calculation: R = t/k = (1/8")/0.25 BTU ft<sup>2</sup>-hr-°F/Btu.



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

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