

2021 Energy Efficiency Business Rebates Product Catalog

FOOD SERVICE PRODUCTS

Product Code	Product Description	Rebate/Unit	Page #
467207	Undercounter Dishwasher, Hi Temp, Tier 1	\$100.00/Each	6
467208	Undercounter Dishwasher, Hi Temp, Tier 1 - New		
467213	Undercounter Dishwasher, Hi Temp, Tier 2		
467214	Undercounter Dishwasher, Hi Temp, Tier 2 - New		

REFRIGERATION PRODUCTS

Product Code	Production Description	Rebate/Unit	Page #
467205	High Efficiency Ultra Low Temp Freezer (24 to 29 ft. ³) - New	\$1,200.00/Unit	7
467206	High Efficiency Ultra Low Temp Freezer (24 to 29 ft. ³)		

NATURAL GAS PRODUCTS

Product Code	Product Description	Rebate/Unit	Page #
466586	Process Boiler-Hot Water – 85% CE	0.50/Cap-kBTUh	9
466588	Process Boiler-Hot Water – 90% CE		
468586	Process Boilers, Feedwater (Single Stage) Economizer, 81.4% TE	0.75/Cap-kBTUh	10
468587	Process Boilers, Condensing (Dual-Stage) Economizer, 87.2% TE	1.50/Cap-kBTUh	
468588	Process Boilers, Feedwater (Single Stage) Economizer, 81.4% TE - New	0.75/Cap-kBTUh	
468589	Process Boilers, Condensing (Dual-Stage) Economizer, 87.2% TE - New	1.50/Cap-kBTUh	

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	11
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		



2021 Energy Efficiency Business Rebates Catalog

466844	1" Pipe Insulation: Hot Water Pipe, > 4" diameter: Outdoor	\$3.00/Linear Foot	11	
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	\$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			\$3.00/Linear Foot
466849	1" Pipe Insulation: > 15 psig Steam Pipe, > 1", ≤ 4" diameter: Outdoor			
466904	1" Pipe Insulation: > 15 psig Steam Pipe, > 4" diameter: Indoor			
466850	1" Pipe Insulation: > 15 psig Steam Pipe, > 4" diameter: Outdoor			
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			
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			



2021 Energy Efficiency Business Rebates Catalog

HVAC PRODUCTS			
Product Code	Product Description	Rebate/Unit	Page #
467718	Unoccupied Fan Control, AC Only Unit	\$3.00/Cap-Tons	14
467720	Unoccupied Fan Control, AC Unit with Gas Heat		
467722	Unoccupied Fan Control, Heat Pump		
467724	Unoccupied Fan Control, Variable Volume AC Unit with Gas Heat		
467876	Cogged V-Belt for HVAC Fans	\$0.25/Cap-Tons	15
467879	Cogged V-Belt for HVAC Fans - New		

2021 Energy Efficiency Business Rebates Catalog

GENERAL REQUIREMENTS

- Customers must have an active San Diego Gas & Electric® (SDG&E) industrial 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.



A  Semptra Energy utility®

2021 Energy Efficiency Business Rebates Catalog

FOOD SERVICE/REFRIGERATION REQUIREMENTS & DEFINITIONS

- All food service equipment must be listed on www.energystar.gov/products to qualify unless otherwise noted in the product requirement section.

ENERGY STAR

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

2021 Energy Efficiency Business Rebates Catalog

FOOD SERVICE PRODUCTS

UNDERCOUNTER DISHWASHER

Requirements:

- New commercial high-temperature undercounter dishwashers that meet the efficiency requirements presented below:

Sanitization Temperature	Max. Water Consumption (GPR)	Max. Idle Energy Rate (kW)
High Temperature, Tier 1	0.86	0.50
High Temperature, Tier 2	0.73	0.43

Restrictions:

- Used or rebuilt equipment are not eligible.
- Other dishwasher types (conveyor, door-type, flight-type) are not eligible.

Undercounter Dishwasher Table

Product Code	Description and Required Efficiency	Rebate/Unit
467207	Undercounter Dishwasher, Hi Temp, Tier 1	\$100.00/Each
467208	Undercounter Dishwasher, Hi Temp, Tier 1 - New	
467213	Undercounter Dishwasher, Hi Temp, Tier 2	
467214	Undercounter Dishwasher, Hi Temp, Tier 2 - New	



2021 Energy Efficiency Business Rebates Catalog

REFRIGERATION PRODUCTS

HIGH EFFICIENCY ULTRA LOW TEMP FREEZERS

Requirements:

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

High Efficiency Ultra Low Freezers Table

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



2021 Energy Efficiency Business Rebates Catalog

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.

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.



2021 Energy Efficiency Business Rebates Catalog

NATURAL GAS PRODUCTS

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%	

2021 Energy Efficiency Business Rebates Catalog

STEAM BOILER ECONOMIZER

Requirements:

- This measure is applicable to steam boilers only
- Must have an input rating \leq 20 million BTU/hr
- The boiler manufacturer, model, and specification sheet must be submitted
- For dual stage economizer:
 - The disposal of combustion condensate must meet local codes regarding sanitary drain or storm sewer.
 - Some applications may require a neutralizer for the acidic combustion condensate.
- The following conditions provide good candidates for an economizer retrofit:
 - Steam boilers that exceed 100 boiler horsepower ($>$ 3.3 Million Btu/hr)
 - Steam boiler exiting stack temperature at greater than 400 °F
 - Operating at steam pressures of 75 psig or above
 - Boiler load factor of at least 40%
 - Average temperature of the exiting flue stack from the economizer must be below 200 °F to cause water vapor condensation in dual-stage economizer
 - Minimum 50% make-up water for dual-stage economizer

Restrictions:

- Hot water boilers are not eligible.

Steam Boiler Economizer Table

Product Code	Description	Rebate/Unit
468586	Process Boilers, Feedwater (Single Stage) Economizer, 81.4% TE	0.75/Cap-kBTUh
468587	Process Boilers, Condensing (Dual-Stage) Economizer, 87.2% TE	1.50/Cap-kBTUh
468588	Process Boilers, Feedwater (Single Stage) Economizer, 81.4% TE - New	0.75/Cap-kBTUh
468589	Process Boilers, Condensing (Dual-Stage) Economizer, 87.2% TE - New	1.50/Cap-kBTUh

2021 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.

2021 Energy Efficiency Business Rebates Catalog

Pipe/Pipe Fitting Insulation Table

Product Code	Description	Rebate/Unit
466896	1" Pipe Insulation: Hot Water Pipe \leq 1" diameter: Indoor	\$3.00/Linear Foot
466842	1" Pipe Insulation: Hot Water Pipe, \leq 1" diameter: Outdoor	
466897	1" Pipe Insulation: Hot Water Pipe, $> 1", \leq 4"$ diameter: Indoor	
466843	1" Pipe Insulation: Hot Water Pipe, $> 1", \leq 4"$ 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 \leq 1" diameter: Indoor	\$7.00/Each
466869	1" Fitting Insulation: Hot Water Pipe \leq 1" diameter: Outdoor	
466924	1" Fitting Insulation: Hot Water Pipe, $> 1", \leq 4"$ diameter: Indoor	\$10.00/Each
466870	1" Fitting Insulation: Hot Water Pipe, $> 1", \leq 4"$ 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, $\leq 1"$ diameter: Indoor	\$3.00/Linear Foot
466845	1" Pipe Insulation: ≤ 15 psig Steam Pipe, $\leq 1"$ diameter: Outdoor	
466900	1" Pipe Insulation: ≤ 15 psig Steam Pipe, $> 1", \leq 4"$ diameter: Indoor	
466846	1" Pipe Insulation: ≤ 15 psig Steam Pipe, $> 1", \leq 4"$ 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, $\leq 1"$ diameter: Indoor	
466848	1" Pipe Insulation: > 15 psig Steam Pipe, $\leq 1"$ diameter: Outdoor	
466903	1" Pipe Insulation: > 15 psig Steam Pipe, $> 1", \leq 4"$ diameter: Indoor	
466849	1" Pipe Insulation: > 15 psig Steam Pipe, $> 1", \leq 4"$ 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 $\leq 1"$ diameter: Indoor	\$15.00/Each
466872	1" Fitting Insulation: ≤ 15 psig Steam Pipe $\leq 1"$ diameter: Outdoor	
466927	1" Fitting Insulation: ≤ 15 psig Steam Pipe, $> 1", \leq 4"$ diameter: Indoor	\$30.00/Each
466873	1" Fitting Insulation: ≤ 15 psig Steam Pipe, $> 1", \leq 4"$ 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 $\leq 1"$ diameter: Indoor	\$15.00/Each
466875	1" Fitting Insulation: > 15 psig Steam Pipe $\leq 1"$ diameter: Outdoor	
466930	1" Fitting Insulation: > 15 psig Steam Pipe, $> 1", \leq 4"$ diameter: Indoor	\$30.00/Each
466876	1" Fitting Insulation: > 15 psig Steam Pipe, $> 1", \leq 4"$ 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	

2021 Energy Efficiency Business Rebates Catalog

HVAC REQUIREMENTS & DEFINITIONS

- Some of the products require a pre-inspection. Applicant must submit an online application at 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

2021 Energy Efficiency Business Rebates Catalog

HVAC PRODUCTS

SUPPLY FAN CONTROLS

Requirements:

- **Pre-inspection and post-inspection required!** Applicant must submit an online application at 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

2021 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



2021 Energy Efficiency Business Rebates Catalog

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