

## FOOD SERVICE PRODUCTS

Product Code	Product Description	Rebate/Unit	Page #
464054	Ice Machine SCU < 110 lbs./day: Retrofit	\$100.00/Unit	<a href="#">6</a>
464056	Ice Machine SCU 110 – 200 lbs./day: Retrofit	\$150.00/Unit	
464058	Ice Machine SCU > 200 lbs./day: Retrofit	\$200.00/Unit	
464060	Ice Machine IMH < 300 lbs./day: Retrofit	\$75.00/Unit	
464062	Ice Machine IMH 300 – 799 lbs./day: Retrofit	\$125.00/Unit	
464063	Ice Machine IMH 800 – 1499 lbs./day: New	\$200.00/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		
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		

## NATURAL GAS PRODUCTS

Product Code	Product Description	Rebate/Unit	Page #
466586	Process Boiler-Hot Water – 85% CE	\$0.50/Cap-kBTUh	<a href="#">9</a>
466588	Process Boiler-Hot Water – 90% CE		
466590	Process Boiler-Steam-83% CE	\$4.00/Cap-kBTUh	
468586	Process Boilers, Feedwater (Single Stage) Economizer, 81.4% TE	\$0.75/Cap-kBTUh	<a href="#">10</a>
468587	Process Boilers, Condensing (Dual-Stage) Economizer, 87.2% TE	\$1.00/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	\$1.00/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	<a href="#">11</a>
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		
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	



## 2022 Energy Efficiency Business Rebates Product Catalog Agricultural Customers



466875	1" Fitting Insulation: > 15 psig Steam Pipe ≤ 1" diameter: Outdoor	\$12.00/Each	<a href="#">11</a>
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		

### OTHER TECHNOLOGY PRODUCTS

Product Code	Product Description	Rebate/Unit	Page #
467006	Glycol Pump VFD, Winery, 3HP	\$500.00/Each	<a href="#">13</a>
467007	Glycol Pump VFD, Winery, 5HP	\$500.00/Each	
467008	Glycol Pump VFD, Winery, 7.5HP	\$750.00/Each	
467009	Glycol Pump VFD, Winery, 10HP	\$750.00/Each	
467010	Glycol Pump VFD, Winery, 15HP	\$1,000.00/Each	
467011	Glycol Pump VFD, Winery, 20HP	\$1,250.00/Each	
467012	Glycol Pump VFD, Winery, 25HP	\$1,500.00/Each	
467016	Efficient, Ag Ventilation Fans, 24-26 inch - New	\$25.00/Each	<a href="#">14</a>
467017	Efficient, Ag Ventilation Fans, 24-26 inch	\$25.00/Each	
467018	Efficient, Ag Ventilation Fans, 36 inch - New	\$75.00/Each	
467019	Efficient, Ag Ventilation Fans, 36 inch	\$75.00/Each	
467020	Efficient, Ag Ventilation Fans, 48 inch - New	\$30.00/Each	
467021	Efficient, Ag Ventilation Fans, 48 inch	\$30.00/Each	
468121	Agricultural - Dust Collection Fan VSD, 10hp motor	\$1,000.00/Each	<a href="#">15</a>
468122	Agricultural - Dust Collection Fan VSD, 15hp motor	\$2,000.00/Each	
468123	Agricultural - Dust Collection Fan VSD, 20hp motor	\$2,500.00/Each	
468124	Agricultural - Dust Collection Fan VSD, 25hp motor	\$2,700.00/Each	
468125	Agricultural - Dust Collection Fan VSD, 30hp motor	\$3,000.00/Each	
468126	Agricultural - Dust Collection Fan VSD, 40hp motor	\$3,500.00/Each	
468127	Agricultural - Dust Collection Fan VSD, 50hp motor	\$4,000.00/Each	
465336	Greenhouse heat curtain, polyethylene double layer with IR greenhouse	\$0.50/Square Foot	<a href="#">16</a>
469547	Greenhouse heat curtain, polycarbonate single layer greenhouse	\$0.25/Square Foot	
467881	IR film installed on double layer polyethylene greenhouse	\$0.04/Square Foot	<a href="#">17</a>

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## GENERAL REQUIREMENTS

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

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

- All foodservice equipment must be listed on [www.energystar.gov/products](http://www.energystar.gov/products), unless otherwise noted in the product requirement section.

### **ENERGY STAR**

ENERGY STAR specifications are available at: [www.energystar.gov/cfs](http://www.energystar.gov/cfs).

## FOOD SERVICE PRODUCTS

### COMMERCIAL ICE MACHINES

#### Requirements:

- 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)	$H < 300$	$9.20 - 0.01134 \times H$	20
	$300 \leq H < 800$	$6.49 - 0.0023 \times H$	
	$800 \leq H \leq 1500$	$5.11 - 0.00058 \times H$	
	$1500 \leq H \leq 4000$	4.24	
Remote Condensing Unit (RCU)	$H < 988$	$7.17 - 0.00308 \times H$	20
	$988 \leq H \leq 4000$	4.13	
Self-Contained Unit (SCU)	$H < 110$	$12.57 - 0.0399 \times H$	25
	$110 \leq H < 200$	$10.56 - 0.0215 \times H$	
	$200 \leq H \leq 4000$	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)	$H < 310$	$7.90 - 0.005409 \times H$	15
	$310 \leq H < 820$	$7.08 - 0.002752 \times H$	
	$820 \leq H \leq 4000$	4.82	
Remote Condensing Unit (RCU)	$H < 800$	$7.76 - 0.00464 \times H$	15
	$800 \leq H \leq 4000$	4.05	
Self-Contained Unit (SCU)	$H < 200$	$12.37 - 0.0261 \times H$	15
	$200 \leq H < 700$	$8.24 - 0.005429 \times H$	
	$700 \leq H \leq 4000$	4.44	

**Commercial Ice Machines Table**

Product Code	Description (Ice Harvest Rate Capacity)	Rebate/Unit
464054	Ice Machine SCU < 110 lbs./day: Retrofit	\$100/Unit
464056	Ice Machine SCU 110 – 200 lbs./day: Retrofit	\$150.00/Unit
464058	Ice Machine SCU > 200 lbs./day: Retrofit	\$200.00/Unit
464060	Ice Machine IMH < 300 lbs./day: Retrofit	\$75/Unit
464062	Ice Machine IMH 300 – 799 lbs./day: Retrofit	\$125.00/Unit
464063	Ice Machine IMH 800 – 1499 lbs./day: New	\$200.00/Unit
464064	Ice Machine IMH 800 – 1499 lbs./day: Retrofit	
464065	Ice Machine IMH > 1500 lbs./day: New	\$300/Unit
464066	Ice Machine IMH > 1500 lbs./day: Retrofit	
464067	Ice Machine RCU < 988 lbs./day: New	
464068	Ice Machine RCU < 988 lbs./day: Retrofit	
464069	Ice Machine RCU ≥ 988 lbs./day: New	\$400/Unit
464070	Ice Machine RCU ≥ 988 lbs./day: Retrofit	

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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.

### **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.



## 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%	
466590	Process Boiler-Steam-83% CE		CE ≥ 83%	\$4.00/Cap-kBtuh

## **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	\$1.00/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	\$1.00/Cap-kBTUh

## 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.

**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: $\leq 15$ psig Steam Pipe, $\leq 1"$ diameter: Indoor	\$3.00/Linear Foot
466845	1" Pipe Insulation: $\leq 15$ psig Steam Pipe, $\leq 1"$ diameter: Outdoor	
466900	1" Pipe Insulation: $\leq 15$ psig Steam Pipe, $> 1"$ , $\leq 4"$ diameter: Indoor	
466846	1" Pipe Insulation: $\leq 15$ psig Steam Pipe, $> 1"$ , $\leq 4"$ diameter: Outdoor	
466901	1" Pipe Insulation: $\leq 15$ psig Steam Pipe, $> 4"$ diameter: Indoor	
466847	1" Pipe Insulation: $\leq 15$ 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	
466850	1" Pipe Insulation: $> 15$ psig Steam Pipe, $> 4"$ diameter: Outdoor	
466926	1" Fitting Insulation: $\leq 15$ psig Steam Pipe $\leq 1"$ diameter: Indoor	\$12.00/Each
466872	1" Fitting Insulation: $\leq 15$ psig Steam Pipe $\leq 1"$ diameter: Outdoor	
466927	1" Fitting Insulation: $\leq 15$ psig Steam Pipe, $> 1"$ , $\leq 4"$ diameter: Indoor	\$15.00/Each
466873	1" Fitting Insulation: $\leq 15$ psig Steam Pipe, $> 1"$ , $\leq 4"$ diameter: Outdoor	
466928	1" Fitting Insulation: $\leq 15$ psig Steam Pipe, $> 4"$ diameter: Indoor	\$30.00/Each
466874	1" Fitting Insulation: $\leq 15$ psig Steam Pipe, $> 4"$ diameter: Outdoor	
466929	1" Fitting Insulation: $> 15$ psig Steam Pipe $\leq 1"$ diameter: Indoor	\$12.00/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	\$15.00/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	

## **VFD FOR GLYCOL PUMP MOTOR**

### **Requirements:**

- This measure involves the installation of a variable frequency drive (VFD) on an existing glycol pump motor. Chilled fluid, other than glycol, can be considered only if the unit energy savings (UES) is equal to or exceeds the UES of this measure.
- Application of this measure is for the addition of a VFD on an existing glycol pump motor.
- The existing glycol pump(s) must operate at constant speed.
- The facility must be a greenhouse with the primary purpose of agricultural use.
- The VFD must have automated controls based on pressure feedback, fluid temperature feedback, and/or flow rate feedback.
- Rebates are based on the motor horsepower.
- Must provide documentation that the VFD is not installed on a back-up pump or redundant pump.
- Only applicable to the winery industry for process end-use applications.

### **Restrictions:**

- Not eligible for a back-up pump or a redundant pump.

**VFD for Glycol Pump Motor Table**

<b>Product Code</b>	<b>Description</b>	<b>Rebate/Unit</b>
467006	Glycol Pump VFD, Winery, 3HP	\$500.00/Each
467007	Glycol Pump VFD, Winery, 5HP	\$500.00/Each
467008	Glycol Pump VFD, Winery, 7.5HP	\$750.00/Each
467009	Glycol Pump VFD, Winery, 10HP	\$750.00/Each
467010	Glycol Pump VFD, Winery, 15HP	\$1,000.00/Each
467011	Glycol Pump VFD, Winery, 20HP	\$1,250.00/Each
467012	Glycol Pump VFD, Winery, 25HP	\$1,500.00/Each

## 2022 Energy Efficiency Business Rebates Product Catalog Agricultural Customers

### VENTILATION FAN

#### Requirements:

- A fan must have been tested by the Bioenvironmental and Structural Systems Laboratory (BESS Lab) ventilation fan testing facility at the University of Illinois
- Must meet the specifications provided below:

Fan Size	Min. Allowable (cfm/W)
24"-26"	14.0
36"	20.4
48"	21.9

**Ventilation Fan Table**

Product Code	Description	Rebate/Unit
467016	Efficient, Ag Ventilation Fans, 24-26 inch - New	\$25.00/Each
467017	Efficient, Ag Ventilation Fans, 24-26 inch	\$25.00/Each
467018	Efficient, Ag Ventilation Fans, 36 inch - New	\$75.00/Each
467019	Efficient, Ag Ventilation Fans, 36 inch	\$75.00/Each
467020	Efficient, Ag Ventilation Fans, 48 inch - New	\$30.00/Each
467021	Efficient, Ag Ventilation Fans, 48 inch	\$30.00/Each

## 2022 Energy Efficiency Business Rebates Product Catalog Agricultural Customers

### DUST COLLECTION FAN VSD

#### Requirements:

- The customer must have an existing electrically operated fixed-speed fan installed on site or plans to install a new electrically operated fixed-speed fan.
- The existing baghouse, fan, and motor must be in proper operating condition.
- The baghouse fan motor must be compatible with a variable speed drive (VSD).
- There must be no previous VSD or failed VSD installed on the baghouse existing fan motor.
- The fan size must be 10 hp to 150 hp
- The installed VSD must be controlled based on static pressure, airflow rate (cfm), or velocity at the lowest required rate to keep particulates suspended in the air stream.
- The VSD is recommended to meet requirements as specified by IEEE Standard 519-2014.2.
- The fan/blower must not be a designed high-pressure blower. High pressure blowers have designed capacities of less than 150 cfm per rated horsepower. (Applicable only to fan motors larger than 50 hp.)

For customers with dust collection systems between 5 hp to 50 hp, the business/facility must have a NAICS Code as follows:

- 111000 to 112990
- 211120 to 213115
- 311000 to 339999

For customers with dust collection systems between 60 hp to 150 hp, the business/facility must have a NAICS Code as follows:

- 111000 to 112990
- 311000 to 311999

#### Restrictions:

- This measure cannot be used for the following fan applications:
  - HVAC fan
  - An individual fan motor rated less than 10 hp or higher than 150 hp
  - A two-speed fan motor
  - A fan motor with an existing VSD

**Dust Collection Fan VSD Table**

Product Code	Description	Rebate/Unit
468121	Dust Collection Fan VSD, 10hp motor	\$1,000.00/Each
468122	Dust Collection Fan VSD, 15hp motor	\$2,000.00/Each
468123	Dust Collection Fan VSD, 20hp motor	\$2,500.00/Each
468124	Dust Collection Fan VSD, 25hp motor	\$2,700.00/Each
468125	Dust Collection Fan VSD, 30hp motor	\$3,000.00/Each
468126	Dust Collection Fan VSD, 40hp motor	\$3,500.00/Each
468127	Dust Collection Fan VSD, 50hp motor	\$4,000.00/Each

# 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](https://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 curtain, polyethylene double layer with IR greenhouse	\$0.50/Square Foot
469547	Greenhouse heat curtain, polycarbonate single layer greenhouse	\$0.25/Square Foot



# Energy Efficiency Business Rebates Catalog

## OTHER TECHNOLOGY PRODUCTS

### GREENHOUSE INFRARED FILM

#### Requirements:

- **Pre-inspection required!** Applicant must submit an online application at [sdge.com/NLRebates](https://sdge.com/NLRebates) to schedule a pre-inspection.
- The IR film must be installed in a gas-heated greenhouse facility.
- The heating equipment type (building HVAC) must be specified in the implementation of the measure.
- The facility must be a greenhouse with the primary purpose of agricultural use.
- The film must be infrared, anti-condensate, polyethylene plastic with a minimum thickness of six thousandths of an inch.
- The IR film shall not be installed on the walls of the greenhouse.

#### *Eligible Building Types and Vintages*

- This measure is applicable for agricultural or commercial greenhouse of any vintage for the primary purpose of the production of nursery products, horticultural specialties, or ornamental products.

**Greenhouse Infrared Film Table**

Product Code	Description	Rebate/Unit
467881	IR film installed on double layer polyethylene greenhouse	\$0.04/Square Foot