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PSO Business Rebates Refrigeration and Kitchen Equipment Technical Requirements

Anti-Sweat Heat Controls

- Must install a device that senses the relative humidity in the air outside of the display case and reduces or turns off the glass door (if applicable) and frame anti-sweat heaters at low humidity conditions.
- Equivalent technologies that can reduce or turn off anti-sweat heater based on the amount of condensation formed on the inner glass pane may also qualify.
- Rebate not available for equipment in new walk-in freezers or coolers.

Anti-Sweat Heat Control Rebates	
Upgrade	Rebate/Unit
Cooler Doors	\$40
Freezer Doors	\$40

Reach-In Door Closers

- The auto-closer device should be applied to the glass reach-in door or a walk-in cooler (40°F) or freezer (0°F). The reach-in door must have a minimum perimeter of 16 feet.
- The auto-closer must be able to firmly close the door. Rebate not available for equipment in new freezers or coolers.

Reach-In Door Closer Rebates	
Upgrade	Rebate/Unit
Cooler Doors	\$45
Freezer Doors	\$50

ECM Evaporator Fan Motor

- This upgrade applies to the replacement of an existing standard efficiency shaded-pole evaporator (S-P) or permanent split capacitor (PSC) fan motor in refrigerated walk-in or reach-in boxes (coolers or freezers).
- The replacement unit must be an Electronically Commutated Motor (ECM): An ECM is a brushless DC motor with an electronically controlled commutator that allows the motor to operate more efficiently than the shaded-pole motors with an electro-mechanical commutator typically used in refrigeration applications.
- This upgrade cannot be used in conjunction with the Evaporator Fan Controller upgrade.
- Rebate not available for equipment in new walk-in freezers or coolers.



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ECM Evaporator Fan Motor Rebates	
Upgrade	Rebate/Motor
Walk-In Cooler	\$5
Walk-In Freezer	\$5
Display Cooler	\$5
Display Freezer	\$5

Evaporator Fan Controller on Existing Shaded-Pole Motor

- Must reduce airflow of evaporator fans in medium-temperature walk-in coolers when compressor(s) cycle off and there is no refrigerant flow through the evaporator.
- Must control a minimum fan load of 1/20 horsepower where the fan(s) operate continuously at full speed.
- Must reduce fan motor power by at least 75% during the compressor off-cycle.
- Do not use if any of the following conditions apply:
 - The compressor runs all the time with high-duty cycle;
 - The evaporator fan does not run at full speed all the time;
 - The evaporator fan motor runs on poly-phase power;
 - The evaporator fan motor is not shaded-pole; or
 - The evaporator does not use off-cycle or time-off defrost.
- Rebate not available for equipment in new walk-in freezers or coolers.

Upgrade	Rebate/Motor
Evaporator Fan Controller on Existing Shaded-Pole Motor	\$35

Night Covers

- This upgrade documents the energy savings associated with the installation of night covers on existing open-type refrigerated display cases, where covers are deployed during the facility's unoccupied hours in order to reduce refrigeration energy consumption.
- The air temperature is below 0 °F for low-temperature display cases, between 0 °F to 30 °F for medium-temperature display cases, and between 35 °F to 55 °F for high-temperature display cases.
- It is recommended that these covers have small, perforated holes to decrease moisture buildup.

Night Cover Rebates	
Temperature	Rebate/Ft
Low Temperature (-35F to -5F)	\$12
Medium Temperature (0F to 30F)	\$10
High Temperature (35F to 55F)	\$5



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Electric Deep Fryers

- Fryers must have a tested heavy load (French fry for large vats) cooking energy efficiency of greater than 80%, utilizing American Society for Testing and Materials (ASTM) Standard F1361 for commercial fryers and ASTM Standard F2144 for large vat fryers.
- Multiple vat configurations are paid per qualifying vat. ENERGY STAR® maintains a list of qualifying products and specifications at energystar.gov.

Electric Deep Fryer Rebates	
Upgrade	Rebate/Unit
Open Deep Fat Fryer	\$85
Large Vat Fryer	\$130

Electric Steam Cookers

- Steam cookers must meet **ENERGY STAR specifications** for energy efficiency.

Upgrade	Rebate/Unit
Electric Steam Cooker	\$350

Electric Insulated Holding Cabinets

- Insulated holding cabinets must meet or exceed **CEE Tier 2 specifications** and not exceed 20 watts per cubic foot idle energy use.
- Cook and hold food cabinets are eligible through the Custom application.

Electric Insulated Holding Cabinet Rebates	
Upgrade	Rebate/Unit
Full Size	\$200
Three-Quarter Size	\$150
Half Size	\$100

Electric Convection Ovens

- Ovens must meet **ENERGY STAR specifications** for energy efficiency.

Upgrade	Rebate/Unit
Electric Convection Oven	\$150

Electric Combination Ovens

- Ovens must meet **ENERGY STAR specifications** for energy efficiency.

Upgrade	Rebate/Unit
Electric Combination Oven	\$1,000



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Refrigerators/Freezers

- Refrigeration systems shall be built-in (packaged).
- Cases with remote refrigeration systems do not qualify.
- Customers must provide proof that the appliance meets the **CEE energy efficiency specifications** or the **ENERGY STAR specifications** for commercial refrigerators and freezers.

Refrigerator and Freezer Rebates		
Upgrade	Size (cubic feet)	Rebate/Unit
Solid Door Reach-In Refrigerator	<19	\$20
	19 – 20	\$30
	21 – 60	\$50
	61 – 90	\$100
Solid Door Reach-In Freezer	<19	\$45
	19 – 20	\$100
	21 – 60	\$225
	61 – 90	\$300
Glass Door Reach-In Refrigerator	<19	\$55
	19 – 20	\$55
	21 – 60	\$55
	61 – 90	\$75

Ice Machines

- Ice machines must meet all requirements listed in the Version 2.0 **ENERGY STAR Program Requirements for Commercial Ice Makers** that are effective as of February 1, 2013.

Ice Machine Rebates		
Upgrade	Type	Rebate/Unit
Batch Ice Machine	Self-Contained Unit	\$75
	Ice Making Head	\$150
	Remote Condenser/Split System	\$175
Continuous Ice Machine	Self-Contained Unit	\$100
	Ice Making Head	\$150
	Remote Condenser/Split System	\$200

Commercial Dishwashers

- This upgrade involves the installation of an ENERGY STAR certified commercial dishwasher in a new construction or replacement-on-burnout application.
- Units must be listed in the **ENERGY STAR Certified Commercial Dishwashers** qualified product list (QPL).



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- The rebate amount is based on the type of unit and sanitation method, as categorized by the ENERGY STAR QPL.

Commercial Dishwasher Rebates		
Upgrade	Type	Rebate/Unit
High Temperature-Electric Heater-Electric Booster-Commercial Dishwasher	Under Counter	\$250
	Stationary Single Tank Door	\$950
	Pots, Pans and Utensils	\$250
	Single Tank Conveyor	\$750
	Multiple Tank Conveyor	\$2,200
High Temperature-Gas Heater-Electric Booster-Commercial Dishwasher	Under Counter	\$150
	Stationary Single Tank Door	\$400
	Pots, Pans and Utensils	\$100
	Single Tank Conveyor	\$400
	Multiple Tank Conveyor	\$900
Low Temperature Commercial Dishwasher	Under Counter	\$200
	Stationary Single Tank Door	\$1,300
	Single Tank Conveyor	\$1,100
	Multiple Tank Conveyor	\$1,500

Kitchen Vent Hood Controls

- This upgrade involves the installation of kitchen vent hood Demand Ventilation Controls (DVC) that provide automated control over the ventilation system by modulating fan speed in response to the presence and level of cooking activity.
- The DVC must be listed on the ENERGY STAR, CEE or equivalent QPL.

Kitchen Vent Hood Control Rebates		
Facility Type	MAU	Rebate/HP
Hotel and 24-hour Restaurant	Yes	\$400
Sit Down and Fast Food Restaurants	Yes	\$300
School with Summer Session	Yes	\$100
School without Summer Session	Yes	\$100
Hotel and 24-hour Restaurant	No	\$200
Sit Down and Fast Food Restaurants	No	\$150
School with Summer Session	No	\$50
School without Summer Session	No	\$50

Strip Curtains

- The baseline standard for this upgrade is a walk-in cooler or freezer that previously had either no strip curtain installed or an ineffective strip curtain installed.



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- The efficiency standard for this upgrade is a strip curtain added to a walk-in cooler or freezer.
- Strip curtains must be at least 0.06 inches thick. Low temperature strip curtains must be used for low temperature applications.

Strip Curtain Rebates			
Facility Type	Retrofit/New	Equipment	Rebate/Sq Ft
Supermarket	Retrofit	Cooler	\$3
	New	Cooler	\$7
	Retrofit	Freezer	\$8
	New	Freezer	\$20
Convenience Store	Retrofit	Cooler	\$0.50
	New	Cooler	\$1
	Retrofit	Freezer	\$0.50
	New	Freezer	\$1
Restaurant	Retrofit	Cooler	\$0.50
	New	Cooler	\$2
	Retrofit	Freezer	\$2
	New	Freezer	\$8
Refrigerated Warehouse	Retrofit	N/A	\$15
	New	N/A	\$25

Gaskets

- Must install new gaskets on cooler or freezer doors that requires replacement.
- Existing photographs should be submitted along with application to demonstrate the requirement.
- Rebate is based on linear feet of the perimeter of the door needing gasket or total length of the worn-out defective gasket replaced.
- Rebate not available for equipment in new walk-in freezers or coolers.
- Rebate not available for new equipment and new gasket.
- Rebate not available for replacement of non-defective gasket.
- Must input the linear feet of gasket that is damaged. For example, if a 2-foot section is damaged and the customer has to replace 5 feet to match the design and color, the input should be 2 feet, not 5 feet.

Gasket Rebates	
Upgrade	Rebate/Foot
Cooler Gasket	\$2
Freezer Gasket	\$7



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Pre-Rinse Spray Nozzles

- This upgrade documents the energy savings and demand reductions attributed to efficient low flow pre-rinse sprayers in grocery and food service applications. The most likely areas of application are kitchens in restaurants and hotels.
- Only premises with electric water heating may qualify for this rebate.
- In addition, the replacement pre-rinse spray nozzle must use less than 1.6 gallons per minute with a cleanability performance of 26 seconds per plate or less.
- This upgrade is applicable to retrofit programs only.

Pre-Rinse Spray Nozzle Rebates	
Upgrade	Rebate/Unit
Groceries	\$10
Food Service	\$80

Refrigeration Suction Pipe Insulation

- Must insulate bare refrigeration suction lines 1-5/8 inches in diameter or less on existing equipment only.
- Medium temperature lines require 3/4 inch of flexible, closed-cell, nitrile rubber or an equivalent insulation.
- Low temperature lines require 1-inch of insulation that is in compliance with the specifications above.
- Insulation exposed to the outdoors must be protected from the weather (i.e. jacketed with a medium-gauge aluminum jacket).

Pre-Rinse Spray Nozzle Rebates	
Upgrade	Rebate/Foot
Low Temperature Walk-in Freezer	\$1
Medium Temperature Walk-in Cooler	\$1

VSD Refrigeration Compressor

- VSD control system replacing the slide valve control system.
- 0.445 ton per HP.

Upgrade	Rebate/Ton
Refrigeration Compressor VSD Controls	\$120

Ready to submit an application? Click [here](#) to begin.