

HIGH EFFICIENCY EQUIPMENT TECHNICAL SHEET

ENERGY EFFICIENT COMMUNITIES

Commercial Refrigeration, Kitchen, Specialized Controls, and Miscellaneous High Efficiency Equipment



Prescriptive Program

The Delmarva Power Energy Savings for Business Program offers incentives to install energy efficient equipment such as commercial kitchen and refrigeration equipment, specialized controls, and other miscellaneous high efficiency equipment.

Click below, or scroll to view each section:

[Kitchen Equipment](#)

[Refrigeration Equipment](#)

[Specialized Controls](#)

[Miscellaneous High Efficiency Equipment](#)

To take advantage of these incentives, you must meet the following eligibility requirements:

1. Must be one of the following:
 - a. Municipal, city or county government
 - b. Public school
 - c. Community or public college or university
 - d. Non-profit or community serving institution or facility
 - e. Religious institution or school
2. Have an electrical demand greater than 100kW or not applying through the Small Business Program.

Existing buildings, new construction, and major renovation projects are all eligible for Prescriptive incentives. New construction refers to site preparation for and construction of entirely new structures and/or extensions to existing buildings. Major renovation refers to extensive alteration of an existing building encompassing projects where lighting and HVAC systems are being completely replaced.

Multifamily properties are eligible for incentives for qualifying energy efficient equipment through the Prescriptive Program.

All projects require pre-approval.

You can also contact your installation contractor or equipment vendor to discuss energy efficiency equipment options. If you do not have a contractor or vendor in mind, please visit our website for a list of Service Providers. **New construction and/or major renovation projects are not subject to program Service Provider requirements.**

All projects MUST receive pre-approval before purchasing equipment or beginning work. Please review the program process and eligibility requirements on the [program website](#) as well as the [Terms and Conditions](#). Please [contact](#) the program office with any questions.

How to Apply:

1. **The customer completes and submits the application via the online [Application Center](#). The Application Center Equipment Guide below illustrates how to enter equipment into the online application. Pre-approval is required before proceeding. The following supporting information must be included with the application:**
 - Completed and customer-signed [Terms and Conditions \(T&Cs\)](#)
 - Manufacturer specification sheets
 - Current ENERGY STAR® or CEE website product qualification screenshots for products (PDF)
 - Completed [Window Film Location Details form](#), if applicable
2. **The Program reviews submitted documentation, revises and/or requests additional documentation as necessary. A site inspection may be required as part of the pre-approval process.**
3. **The Program emails the project pre-approval to the customer and Service Provider.**
4. **If the scope of work has changed, then the Program must be notified as soon as possible. If your project increases the incentive amount by more than \$2,500 or 10% of the reserved amount – whichever is greater – a separate application must be submitted for the variance prior to installation and will need to go through the application pre-approval process.**
5. **Once the installation of all proposed equipment is complete and the Delmarva Power customer is satisfied with the equipment and installation, the Delmarva Power customer must sign the program pre-approval letter. The customer-signed pre-approval letter must be uploaded to the online Application Center along with a copy of the invoice, indicating total project cost, incentive amount, and balance of cost to be paid by customer. The invoice should match the application information.**
6. **The Program may require a post-installation inspection to verify compliance with program rules, accuracy of project documentation, and equipment operation.**
7. **The Program distributes the incentive check to the payee following final approval processing.**

KITCHEN EQUIPMENT ELIGIBILITY REQUIREMENTS

Commercial Refrigerators/Freezers

The refrigeration system 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 using ANSI/ASHRAE Standard 72-2005 (commercial food grade refrigerator 38°F +/- 2°F, commercial food grade freezer 0°F +/- 2°F).

Ice Machines

This specification covers machines generating 60 grams (2 oz.) or lighter ice cubes, as well as flaked, nugget, crushed and fragmented ice makers. Performance data is based on ARI Standard 810. Only air-cooled machines (self-contained, ice making heads or remote condensing) are eligible. The efficiency specifications for the two qualifying tiers are equivalent to CEE Tier I (ENERGY STAR) or CEE Tier II. To qualify, the entire ARI-tested ice making system must be purchased. Remote machines must be purchased with a qualifying remote condenser or remote condenser/compressor unit.

Electric Fat Fryers

The commercial fryer 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 <http://www.energystar.gov/>. To determine if non-ENERGY STAR models meet the ASTM standard, contact your manufacturer's representative.

Electric Steam Cookers

The commercial steam cooker must meet ENERGY STAR specifications for energy efficiency.

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 program.

Electric Griddles

The griddle must meet or exceed heavy load cooking energy efficiency of greater than 70% utilizing ASTM Standard F1275.

Electric Convection Ovens

The oven must meet or exceed heavy load potato cooking energy efficiency of greater than 70% utilizing ASTM Standard F1496.

Electric Combination Ovens

The oven must meet or exceed heavy load potato cooking energy efficiency of greater than 60% utilizing ASTM Standard F1639.

Spray Rinse Valves

The spray rinse valves must meet or exceed the EPA's specification set for the maximum flow rate for "WaterSense[®]" labeled pre-rinse spray valves of 1.28 gpm.

Commercial Dishwashers

Qualifying products must be listed on ENERGY STAR qualifying product list, <http://www.energystar.gov/>, or meet ENERGY STAR idle energy rate and water consumption limits, as determined by both machine type and sanitation approach (chemical/low temp versus high temp).

Water Coolers

Qualifying products must be listed on ENERGY STAR qualifying product list, <http://www.energystar.gov/>, or meet or exceed ENERGY STAR's standards relating to daily maximum energy consumption for each unit type.

KITCHEN EQUIPMENT MEASURES AND INCENTIVES

*Unless installed in New Construction projects, asterisked measures must replace existing units. Incentives are not eligible for new stand-alone cases.

Eligible Measures	Size Criteria	Efficiency Rating	Per Unit Incentive	Application Center Equipment Guide	
				Product Type	Category
Solid Door Reach-In Refrigerators *	<19 cubic feet (AHAM interior volume)	ENERGY STAR	\$125 per refrigerator	Refrigerators and Freezers	Reach-In Refrigerators
	19-20 cubic feet (AHAM interior volume)		\$140 per refrigerator		
	>20-60 cubic feet (AHAM interior volume)		\$200 per refrigerator		
	>60-90 cubic feet (AHAM interior volume)		\$300 per refrigerator		
Solid Door Reach-In Freezers *	<19 cubic feet (AHAM interior volume)	ENERGY STAR	\$125 per freezer	Refrigerators and Freezers	Reach-In Refrigerators
	19-20 cubic feet (AHAM interior volume)		\$250 per freezer		
	>20-60 cubic feet (AHAM interior volume)		\$375 per freezer		
	>60-90 cubic feet (AHAM interior volume)		\$600 per freezer		
Glass Door Reach-In Refrigerators *	<19 cubic feet (AHAM interior volume)	ENERGY STAR	\$100 per refrigerator	Refrigerators and Freezers	Reach-In Refrigerators
	19-20 cubic feet (AHAM interior volume)		\$125 per refrigerator		
	>20-60 cubic feet (AHAM interior volume)		\$175 per refrigerator		
	>60-90 cubic feet (AHAM interior volume)		\$200 per refrigerator		
Glass Door Reach-In Freezers *	<19 cubic feet (AHAM interior volume)	ENERGY STAR	\$125 per freezer	Refrigerators and Freezers	Reach-In Refrigerators
	19-20 cubic feet (AHAM interior volume)		\$250 per freezer		
	>20-60 cubic feet (AHAM interior volume)		\$300 per freezer		
	>60-90 cubic feet (AHAM interior volume)		\$400 per freezer		
Ice Machines *	<450 lbs/day	CEE Tier 1	\$100 per ice machine	Ice Machines	Ice Machines
	450-1,000 lbs/day		\$150 per ice machine		
	>1,000 lbs/day		\$200 per ice machine		
Ice Machines - Cube & Nugget *	<450 lbs/day	CEE Tier 2	\$100 per ice machine	Ice Machines	Ice Machines
	450-1,000 lbs/day		\$200 per ice machine		
	>1,000 lbs/day		\$250 per ice machine		
Ice Machines - Flake *	<450 lbs/day	CEE Tier 2	\$175 per ice machine	Ice Machines	Ice Machines
	450-1,000 lbs/day		\$275 per ice machine		
	>1,000 lbs/day		\$350 per ice machine		

EmPOWER Maryland programs are funded by a charge on your energy bill. EmPOWER programs can help you reduce your energy consumption and save you money. To learn more about EmPOWER and how you can participate, go to delmarva.com/business.

KITCHEN EQUIPMENT MEASURES AND INCENTIVES (CONTINUED)

*Unless installed in New Construction projects, asterisked measures must replace existing units. Incentives are not eligible for new stand-alone cases.

Eligible Measures	Size Criteria	Efficiency Rating	Per Unit Incentive	Application Center Equipment Guide	
				Product Type	Category
Fat Fryers *	Standard Size	ENERGY STAR	\$275 per fat fryer	Electric Food Preparation Equipment	Fat Fryer
	Large Vat		\$275 per fat fryer		
Steam Cookers *	N/A	ENERGY STAR	\$175 per pan	Electric Food Preparation Equipment	Steam Cookers
Hot Food Holding Cabinets *	Full-Size Cabinet	ENERGY STAR	\$400 per cabinet	Electric Food Preparation Equipment	Hot Food Holding Cabinets
	Three-Quarter Size Cabinet		\$275 per cabinet		
	Half-Size Cabinet		\$250 per cabinet		
Griddles *	N/A	ENERGY STAR	\$300 per griddle	Electric Food Preparation Equipment	Griddles
Convection Ovens *	N/A	ENERGY STAR	\$475 per oven	Commercial Kitchen Equipment	Convection Ovens
Combination Ovens *	N/A	ENERGY STAR	\$1,250 per oven	Electric Food Preparation Equipment	Combination Ovens
Low Flow Pre-Rinse Valve for Automatic Dishwasher	N/A	WaterSense	\$100 per valve	Commercial Dishwasher	Low Flow Pre-Rinse Valve for Automatic Dishwasher
Commercial Dishwashers – High Temperature *	Under Counter	ENERGY STAR	\$300 per dishwasher	Commercial Dishwasher	Commercial Dishwasher
Commercial Dishwashers – High Temperature *	Door Type		\$550 per dishwasher		
Commercial Dishwashers – High Temperature *	Single Tank Conveyor		\$750 per dishwasher		
Commercial Dishwasher – High Temperature *	Multi Tank Conveyor		\$1,200 per dishwasher		
Commercial Dishwasher – Low Temperature *	Under Counter	ENERGY STAR	\$70 per dishwasher	Commercial Dishwasher	Commercial Dishwasher
Commercial Dishwasher – Low Temperature *	Door Type		\$400 per dishwasher		
Commercial Dishwasher – Low Temperature *	Single Tank Conveyor	ENERGY STAR	\$400 per dishwasher	Commercial Dishwasher	Commercial Dishwasher
Commercial Dishwasher – Low Temperature *	Multi Tank Conveyor		\$600 per dishwasher		
Water Cooler*	N/A	ENERGY STAR	\$70 per water cooler	Electric Food Preparation Equipment	ENERGY STAR Water Cooler

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REFRIGERATION EQUIPMENT ELIGIBILITY 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. Incentive not available for equipment in new walk-in freezers or coolers.

Reach-In Door Closers (existing buildings only – not available for new construction projects)

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

Strip Curtains for Walk-In Coolers and Freezers

Must install new strip curtains or clear plastic swinging doors on doorways of walk-in boxes and refrigerated warehouses. This incentive is not available for display cases or replacing existing strip curtains. Incentive is based on square footage of doorway.

ECM Evaporator Fan Motor

This measure is applicable 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 much more efficiently than the shaded-pole motors with an electro-mechanical commutator typically used in refrigeration applications. This measure cannot be used in conjunction with the Networkable Evaporator Fan Control measure. Incentive not available for equipment in new walk-in freezers or coolers.

Networkable Evaporator Fan Controls

Energy savings are achieved by reducing the speed of the evaporator fans on refrigerator cooler and freezer cases by at least 75% for ECM & 100% for non-ECM when compressor not running. Assumptions made in calculations:

1. 0.758 kW/hp for electronically commutated motor (ECM)
2. 2.088 kW/hp for shaded pole motor (S-P)
3. Effective run time of uncontrolled motor 97.8%
4. Effective run time of controlled motor 63.6% for on/off Controls & 69.2% for multi-speed controls
5. Waste Heat Factor for savings due to reduced waste heat from motors 1.38 for cooler and 1.76 for freezer.

Refrigeration Display Case Doors on Open Display Case (existing buildings only – not available for new construction projects)

Open cases spill cold air requiring added refrigeration energy and ambient reheat energy. Adding doors reduces defrost cycles & raise evaporator temperature set-point.

Night Covers for Refrigerated Cases (existing buildings only – not available for new construction projects)

Energy savings are based upon reduced compressor load that results from the decreased mixing of the refrigerated display case air and the air outside the case. Demand savings are not recognized for this measure as the reduced load only occurs during off peak hours.

Anti-Fog Film (existing buildings only – not available for new construction projects)

0.1 mm thick polyethylene terephthalate (PET) hydrophobic sheet with adhesive (R-value 0.00235). Saves energy through eliminating need for door heaters and frame heaters.

REFRIGERATION EQUIPMENT MEASURES AND INCENTIVES

Eligible Measures	Per Unit Incentive	Appliance Center Equipment Guide	
		Product Type	Category
Anti-Sweat Heat Control for Cooler Doors	\$50 per door	Walk-in Cooler/Freezer Measures	Anti-Sweat Controls
Anti-Sweat Heat Control for Freezer Doors			
Reach-In Door Closers for Cooler (existing buildings only)	\$55 per door	Walk-in Cooler/Freezer Measures	Reach-In Door Closers
Reach-In Door Closers for Freezer (existing buildings only)	\$70 per door		
Strip Curtains for Walk-In Coolers	\$4 per square foot	Walk-in Cooler/Freezer Measures	Strip Curtains
Strip Curtains for Walk-In Freezers			

REFRIGERATION EQUIPMENT MEASURES AND INCENTIVES (CONTINUED)

Eligible Measures	Per Unit Incentive	Appliance Center Equipment Guide	
		Product Type	Category
ECM Evaporative Fan Motors for Walk-In Cooler	\$70 per motor	Walk-in Cooler/Freezer Measures	ECM Evaporator Fan Motor
ECM Evaporative Fan Motors for Walk-In Freezer			
ECM Evaporative Fan Motors for Display Cooler			
ECM Evaporative Fan Motors for Display Freezer			
Networkable Evaporator Fan Controls	\$70 per existing ECM motor	Walk-in Cooler/Freezer Measures	Networkable Evaporator Fan Control
	\$100 per existing S-P motor		
Refrigeration Display Case Doors on Open Display Case with Anti-Sweat Heaters (existing buildings only)	\$25 per linear foot *Up to \$750/Case	Walk-in Cooler/Freezer Measures	Refrigeration Open Display Case Doors
Refrigeration Display Case Doors on Open Display Case without Heaters (No Sweat Doors) (existing buildings only)	\$50 per linear foot *Up to \$750/Case		
Night Covers for Refrigerated Cases (existing buildings only)	\$8 per linear foot of width *Up to \$550/Case	Walk-in Cooler/Freezer Measures	Night Covers for Refrigerated Cases
Anti-Fog Film (existing buildings only)	\$10 per square foot	Walk-in Cooler/Freezer Measures	Anti-Fog Film

SPECIALIZED CONTROLS ELIGIBILITY REQUIREMENTS

<p>Hotel Room HVAC control</p> <p>Facility must be a lodging business. Incentives are for occupancy-based guest room energy management controls. Occupancy control may be room-key activated or sensed due to motion and/or sound and must control the HVAC system serving the room.</p>
<p>Receptacle Control</p> <p>Facility must be a lodging business. Incentives are for occupancy-based guest room energy management controls. Occupancy controls may be room-key activated or sensed due to motion and/or sound and must control the majority of outlets within the room.</p>
<p>Vending Machine Refrigerated Control</p> <p>Incentives are for controllers for glass fronted coolers and refrigerated snack vending machines where the controller functions to power down the machine when the surrounding area is vacant (vending machine occupancy control), monitors the room temperature and re-powers the cooling system to maintain a cool product.</p>
<p>Vending Machine Control</p> <p>Incentives are for controllers for non-refrigerated snack vending machines with mechanisms that function to power down the machine if the surrounding area is vacant.</p>

SPECIALIZED CONTROLS MEASURES AND INCENTIVES

Eligible Measures	Per Unit Incentive	Appliance Center Equipment Guide	
		Product Type	Category
Hotel Room HVAC Control	\$100 per room	Hotel Room Controls	Hotel Room HVAC Controls
Receptacle Control	\$14 per room	Plug Load Control	Receptacle Controls
Vending Machine Refrigerated Control	\$100 per control	Vending Machines	Vending Machine Refrigerated Control
Vending Machine Control	\$40 per control	Vending Machines	Vending Machine Control

MISC. HIGH ENERGY EFFICIENCY EQUIPMENT ELIGIBILITY REQUIREMENTS

Commercial Clothes Washer

Tier 1 – The clothes washer must meet ENERGY STAR criteria and have a ≥ 2.20 Modified Energy Factor (MEF) and ≤ 4.5 Water Factor (WF).
 Tier 2 – The clothes washer must meet ENERGY STAR criteria and have a ≥ 2.40 Modified Energy Factor (MEF) and ≤ 4.0 Water Factor (WF).

Residential Dehumidifier (used in commercial setting)

The dehumidifier must meet ENERGY STAR criteria.

Window Film (existing buildings only – not available for new construction projects)

New window film must be installed on east, west or south facing windows with no shading. The existing windows must not have window films. The entire window pane must be covered with new window films. The proposed window film should have a solar heat gain coefficient (SHGC) of 0.40 or less or a shading coefficient (SC) of 0.45 or less. Incentives are available for retrofit application only. The window films must be National Fenestration Rating Council (NFRC) certified.

Application must include completed [Window Film Location Details form](#).

MISC. HIGH ENERGY EFFICIENCY EQUIPMENT MEASURES AND INCENTIVES

Eligible Measures	Per Unit Incentive	Appliance Center Equipment Guide	
		Product Type	Category
Commercial Clothes Washer Tier 1	\$125 per clothes washer	Appliances	Commercial Clothes Washer
Commercial Clothes Washer Tier 2	\$225 per clothes washer		
Residential Dehumidifier (used in commercial setting)	\$30 per dehumidifier	Appliances	Residential Dehumidifier
Window Film (existing buildings only)	\$1.25 per square foot	Building Envelope	Window Film

Delmarva Power Energy Savings for Business Program

Contact: 1-866-353-5799 | delmarvabusiness@icf.com

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