

REFRIGERATION INCENTIVES

Refrigeration Measures

Measure	Incentive Unit	Incentive/Unit
Strip Curtains on Walk-in	Per Square Foot	\$4.00
Anti-Sweat Heater Control	Per Linear Foot	\$30.00
EC Motor for Walk-in	Per Motor	\$50.00
EC Motor for Reach-in Refrigerated Cases	Per Motor	\$35.00
Refrigeration Economizer	Per Compressor HP	\$80.00
Evaporator Fan Control	Per Motor	\$60.00
Automatic Door Closers for Walk-in Freezers	Per Door	\$160.00
Beverage Machine Control	Per Unit	\$100.00
Snack Machine Control	Per Unit	\$30.00
ENERGY STAR® Refrigerated Vending Machine	Per Unit	\$100.00
LED Refrigeration Case Lighting	Per Door	\$20.00

High-Efficiency Ice Makers

Capacity (lbs / 24 hrs)	Incentive per Ice maker
101-200	\$150.00
201-300	\$150.00
301-400	\$150.00
401-500	\$225.00
501-1000	\$225.00
1001-1500	\$350.00
>1500	\$350.00

SPECIFICATIONS FOR REFRIGERATION MEASURES

Strip Curtains on Walk-in Coolers and Freezers

New strip curtains or clear plastic swinging doors must be installed on doorways of walk-in boxes and refrigerated warehouses. This incentive is not available for display cases or for replacing existing strip curtains that have useful life left. Incentive is based on square footage of doorway.

Anti-Sweat Heater Controls

For this measure, a device is installed 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. Technologies that can turn off anti-sweat heaters based on sensing condensation (on the inner glass pane) also qualify. Rebate is based on the total horizontal linear footage of the case.

Electronically Commutated (EC) Evaporator Fan Motor (Refrigerated Cases or Walk-ins)

This measure is applicable to the replacement of an existing standard-efficiency shaded-pole evaporator fan motor in refrigerated display cases or fan coil in walk-ins. The replacement unit must be an Electronically Commutated Motor (ECM). This measure cannot be used in conjunction with the Evaporator Fan Controller measure.

Refrigeration Economizer

The incentive is for installing economizers and controls for walk-in coolers that are at least 1,000 cu ft. in size. The outdoor air and exhaust dampers must close automatically when the outside air temperature exceeds 34°F.

Evaporator Fan Controls

This measure is for the installation of controls in medium temperature walk-in coolers. The controller reduces airflow of the evaporator fans when there is no refrigerant flow. The measure must control a minimum of 1/20 HP where fans operate continuously at full speed. The measure also must reduce fan motor power by at least 75% during the off cycle.

This measure is not applicable if any of the following conditions apply:

- 1) Compressor runs all the time with high duty cycle
- 2) Evaporator fan does not run at full speed all the time
- 3) Evaporator fan motor runs on poly-phase power
- 4) Evaporator fan motor is not shaded-pole or permanent split capacitor (PSC)
- 5) Evaporator fan does not use off-cycle or time-off defrost

Automatic Door Closer for Walk-in Freezers

This measure is for installing an auto-closer to the main insulated opaque door(s) of a walk-in freezer. The auto-closer must firmly close the door when it is within one inch of full closure.

Beverage and Snack Machine Controls

The beverage machine is assumed to be a refrigerated vending machine that contains only non-perishable bottled and canned beverages. Controller for both types of systems must include a passive infrared occupancy sensor to turn off fluorescent lights and other vending machine systems when the surrounding area is unoccupied for 15 minutes or longer. For the beverage machine, the control logic should power up the machine at 2-hour intervals to maintain product temperature and provide compressor protection.

ENERGY STAR® Refrigerated Beverage Vending Machines

ENERGY STAR® beverage vending machines qualify for an incentive. Qualifying machines can be found at http://www.energystar.gov/ia/products/prod_lists/vending_machines_prod_list.pdf.

LED Refrigeration Case Lighting

Incentives are for replacing fluorescent refrigerated case lighting with light emitting diode (LED) source illumination. Fluorescent lamps, ballasts, and associated hardware are typically replaced with pre-fabricated LED light bars and LED driver units.

High-Efficiency Ice Makers

The incentive covers ice machines that generate 60 grams (2 oz.) or lighter ice cubes, flaked, crushed, or fragmented ice. Only air-cooled machines qualify (self contained, ice making heads, or remote condensing). The machine must have a minimum capacity of 101 lbs. of ice per 24-hour period (per day). The minimum efficiency required is per ENERGY STAR® or Consortium for Energy Efficiency (CEE) Tier 2.* A manufacturer's specification sheet must accompany the application that shows rating in accordance to ARI standard 810.

*The Web sites have a list of qualifying model numbers: www.energystar.gov or www.cee1.org.