

*Lockheed Martin Services, Inc. is a Program Management Contractor for Energy Trust of Oregon.*

**Effective January 1, 2012, Energy Trust of Oregon, Inc. is offering the following incentives for energy-efficient grocery measures:**

<b>Measure</b>	<b>Description</b>	<b>Efficiency Type For Qualification</b>	<b>Unit Incentive</b>	<b>Estimated Average Savings kWh</b>
Anti-sweat Controls	Medium temperature case (Between 1° F and 35° F)	Walk-in, Reach-in, Coffin	\$40/ linear ft	324/ linear ft
Anti-sweat Controls	Low temperature case (below 0° F)	Walk-in, Reach-in, Coffin	\$50/ linear ft	434/ linear ft
Auto Door Closers	Low temperature	Walk-in Freezer Reach-in Freezer	\$50 per unit	2,806/ unit 560/ unit
Auto Door Closers	Medium temperature	Walk-in Cooler Reach-in Cooler	\$40 per unit	241/ unit 373/ unit
Electrically Commutated Motor (ECM)	Replace Shade Pole or PSC to ECM	ECM	\$45 per motor	466/ unit
Evaporator Fan Controls	Install Controls on Shade Pole or PSC	Fan Controls	\$25 per fan controlled	451/ unit
LED Case Lighting <sup>1</sup>	T8 to LED, Side bar (single) T8 to LED, Mullion (double)	Reach-in Cooler/ Freezer	\$10 per linear foot of fixture	104/ linear ft 59/ linear ft
LED Case Lighting <sup>1</sup>	T12 to LED, Side bar (single) T12 to LED, Mullion (double)	Reach-in Cooler/ Freezer	\$10 per linear foot of fixture	154/ linear ft 105/ linear ft
Motion Sensor <sup>2</sup>	Motion Sensor on LED Cases, Side bar (Single)	Reach-in Cooler/ Freezer	\$2 per linear foot of fixture	14/ linear ft
Motion Sensor <sup>2</sup>	Motion Sensor on LED Cases, Mullion (Double)	Reach-in Cooler/ Freezer	\$2 per linear foot of fixture	27/ linear ft
Night Covers	Install or replace night covers	Horizontal or Vertical	\$10/ linear ft	H: 309/ linear ft V: 208/ linear ft
Strip Curtains	Low temperature <ul style="list-style-type: none"> <li>• Supermarket</li> <li>• Restaurant</li> </ul>	Walk-in Freezer Must install where no infiltration barriers exist	\$5/ square foot	443/ square ft 134/ square ft
Strip Curtains	Medium temperature <ul style="list-style-type: none"> <li>• Supermarket</li> <li>• Warehouse</li> </ul>	Walk-in Cooler Must install where no infiltration barriers exist	\$5/ square foot	103/ square ft 350/ square ft
VFD on Condensers	Adds a central VFD to control an air or evaporatively cooled condenser. Stand alone installation	Must be installed on inverter duty motors	\$100 per fan motor hp	Air cooled: 1882/ hp Evap cooled: 2155/ hp
Oversized Condenser w/ VFD	Oversizes the condenser and adds a VFD for an air or evaporatively cooled condenser. Stand alone	Minimum 18 degree temp difference for evap. Oversizing limited to 150% of required evap load	\$60 per condenser ton	Air cooled: 718/ ton Evap cooled: 494/ ton

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Measure	Description	Efficiency Type For Qualification	Unit Incentive	Estimated Average Savings kWh
Floating Head Pressure Controls (FHPC)	Adds FHPC to the compressor rack control system	n/a	\$40 per compressor hp	Air cooled: 447/ hp Evap cooled: 222/ hp
Floating Head Pressure Controls (FHPC)	Adds FHPC to single compressor system <ul style="list-style-type: none"> <li>• Condensing Unit</li> <li>• Remote Condensers</li> </ul>	n/a	Compressor hp: \$100 per hp \$60 per hp	805/ hp 576/ hp
Floating Suction Pressure Controls (FSPC)	Adds FSPC to the compressor rack control system	n/a	\$15 per compressor hp	Air cooled: 130/ hp Evap cooled: 124/ hp
FHPC and FSPC Concurrently	Adds both FHPC and FSPC to the compressor rack control system	n/a	\$55 per compressor hp	Air cooled: 555/ hp Evap cooled: 339/ hp

Grocery measure savings are based on annual average estimates only. Your actual savings may vary.

### Custom Incentives May Be Available

Energy-efficiency equipment not listed may still be eligible for custom incentives. To learn more about these and other incentives, call the Existing Buildings program at 1.877.510.6800, or visit our website at [www.energytrust.org/business](http://www.energytrust.org/business).

### <sup>1</sup> LED Case Lighting Requirements:

- All savings and incentives listed are based on linear feet of installed LED fixture.
- LED lighting system must be a permanently installed luminaire.
- Fluorescent magnetic ballasts cannot be used to power the LED system. LED lamps that install into fluorescent lamp sockets are not eligible for incentives.
- LED lighting system Color Rendering Index (CRI), a quantitative assessment of the lighting systems ability to reproduce colors as viewed in natural light, must be equal to or greater than 75 (out of 100).
- LEDs must maintain no less than 70% of initial lumen output at 50,000 hours of operation.
- All installations are required to provide manufacturer's cut sheet and warranty to the program.
- LED lighting system shall be UL listed.
- Manufacturer's warranty must be a minimum of 3 years.

### <sup>2</sup> Motion Sensors - LED Case Lighting Requirements:

- Incentives paid are based on linear feet of LED fixture controlled by the motion sensor.
- Must install a motion sensor controlling permanently installed LED lighting in refrigerated reach-in case(s).
- Motion sensor must reduce the lighting load to 20% or less when it senses no activity for more than 1 minute.
- Measure is applicable to LED lighting retrofits or existing LED case lighting without a motion sensor installed. Incentive and energy savings values vary based on the controlled LED luminaire power (low or high): a low power luminaire is defined as one that uses < 4 W/ft of fixture (Side bar); a high power luminaire is defined as one using 4 to 7.5 W/ft of fixture (Mullion).