



# EXISTING BUILDINGS STANDARD INCENTIVES

**EFFECTIVE JANUARY 2012—INCENTIVES ARE SUBJECT TO CHANGE AND AVAILABILITY.**

## **Saving energy is smart business**

Energy Trust of Oregon offers cash incentives on the installation of qualified energy-efficient equipment that can help you lower energy use and reduce operating costs. We also offer technical assistance and can help you find a contractor familiar with our energy efficiency requirements. With our incentives you can expect most investments to pay back their cost through energy savings in just three to five years.

## **Standard incentives make it easy**

We offer standard incentives for lighting, heat pumps, premium heating and cooling,

natural gas equipment, insulation as well as for specialized equipment for lodging and foodservice, data centers and the grocery industries.

## **Custom incentives also are available**

If an energy-efficiency improvement is not listed here, it still may be eligible for custom incentives. Call us for more information.



## TABLE OF CONTENTS

3	Eligibility
3	How to receive cash incentives
4-5	Lighting (190L)
6	Heat pumps (197H)
7	Premium cooling (192H)
8	Natural gas equipment (193G)
9	Insulation (198N)
10-11	Lodging and foodservice equipment (194F)
12	Grocery (196G)
13	Compressed air systems (197C)
14	Data center (195D)
15	Custom incentives



## Eligibility

Existing Buildings incentives are available for qualifying energy-efficiency upgrades and retrofits to commercial, municipal and institutional customers served by Energy Trust. If you are an industrial customer, or if you own or manage a multifamily property of five units or more, many of these incentives are also available to you through Production Efficiency or Multifamily. To qualify, you must:

- Have a project site in Oregon served by Portland General Electric, Pacific Power, NW Natural or Cascade Natural Gas.
- Be improving an existing structure.
- Be a commercial or institutional facility.
- Pay or plan to pay the public purpose charge. Check your bill or contact us if you have questions.
- Additional eligibility requirements may apply, depending on your project.

## How to receive cash incentives

Energy Trust can help you identify energy-saving opportunities in your business that can earn cash incentives. Contact us and we'll answer your questions and assist you with the application.

Note: A post-installation inspection may apply if your incentive is greater than \$5,000.

Incentive offer is subject to funding availability and may change.

## LIGHTING *Program Information 190L*

EQUIPMENT AND EFFICIENCY TYPE	INCENTIVE PER FIXTURE
<b>4-Foot Fluorescent Fixture, T12 to T8 and Electronic Ballast</b> <i>(Must meet CEE high-performance specifications)</i>	
One lamp	\$20
Two, three or four lamp	\$25
Delamping (Per 4-foot lamp removed)	\$5 per lamp
Reduced Wattage with Low BF (when using 25 or 28 watt T8 with low ballast factor)	Additional \$5 per fixture
<b>4-Foot Fluorescent Fixture, T12 to T5, 28 watt High Performance Lens Kit or New Fixture</b>	
Delamp from four lamp T12 to two lamp T5 28 watt	\$35
Delamp from three lamp T12 to two lamp T5 28 watt	\$30
Delamp from three lamp T12 to one lamp T5 28 watt	\$30
Delamp from two lamp T12 to one lamp T5 28 watt	\$25
<b>T8 to Reduced Wattage T8</b> <i>(Must meet CEE high-performance specifications)</i>	
Two or more reduced wattage lamps (25 or 28 watt) with low ballast factor ballast	\$20
Delamp to two reduced wattage lamps (25 or 28 watt) with low ballast factor ballast & reflector	\$25
<b>T12 or T8 to Reduced Wattage T8 Kit or Fixture</b> <i>(Must meet CEE high-performance specifications and have an &gt;80% efficiency fixture)</i>	
Delamp to two reduced wattage lamps (25 or 28 watt) with low ballast factor ballast, high performance lens kit (fixture efficiency must be $\geq$ 80%)	\$42
<b>8-Foot T12 Fluorescent Fixture Conversion to 4-Foot T8 Lamps with Electronic Ballast</b> <i>(Must meet CEE high-performance specifications)</i>	
One lamp, 8-foot, T12 - to two lamp, 4-foot T8 lamps	\$25
Two lamp, 8-foot, T12 - to two- or 4-lamp, 4-foot T8 lamps	\$35
Reduced Wattage with Low BF (when using 25 or 28 watt T8 with low ballast factor)	\$5 per fixture
<b>Compact Fluorescent and Cold Cathode Lighting</b> (Replace Incandescent)	
Compact fluorescent with a screw base (dedicated base strongly recommended)	\$2
Cold cathode with a screw base	\$4
Hard-wired compact fluorescent fixture with electronic ballast 7 to 26 watts	\$25
Hard-wired compact fluorescent fixture with electronic ballast 27 to 55 watts	\$35
Hard-wired compact fluorescent fixture with electronic ballast 56 to 99 watts	\$45
<b>Light Emitting Diode (LED) Lighting Products</b> (Interior Fixtures - Ambient/Task Lighting)	
Recessed Downlights: requires listing on ENERGY STAR® Qualified Commercial LED list	\$30
Qualified LED PAR/Directional replacement lamp with integral driver: < 10 watts lamps*	\$15
Qualified LED PAR/Directional replacement lamp with integral driver: 10 to < 20 watts lamps*	\$20
Qualified LED PAR/Directional replacement lamp with integral driver: 20 or more watts lamps*	\$25
LED Refrigeration Case Lighting: T12 to T8 to LED, Side bar (single) or Mullion (double)*	\$10 per linear ft of fixture

EQUIPMENT AND EFFICIENCY TYPE	INCENTIVE PER FIXTURE
<b>Light Emitting Diode (LED) Lighting Products</b> (Interior Fixtures - Ambient/Task Lighting)	
Motion Sensor on Refrigerated LED Cases, Side bar (single) or Mullion (double)*	\$2 per linear ft of fixture
*See additional requirements below.	
<b>Exit Signs</b>	
LED, cold cathode, electroluminescent, photoluminescent, or self-luminous	\$20
<b>Lighting Controls</b>	
Occupancy Sensor, wall switch	\$25
Occupancy Sensor, fixture mount	\$50
Occupancy Sensor, ceiling or wall mount (hard-wired or wireless)	\$100
<b>Dimmable Electronic Ballasts</b> (Dimmable electronic ballast incentives do not apply to fixtures using a manual dimmer)	
Auto controlled Step-dimming electronic ballast to 50% or more.	\$10
Auto controlled Continuous Dim electronic ballast, reduce light levels, continuously from 100% to 10% or more.	\$15

### Requirements

- Lighting projects must have a simple payback (without incentives) of at least one year (this does not apply to Multifamily projects).
- Lighting projects must provide at least 25 percent energy savings compared to existing system.
- Reduced wattage T8 lamps must have a rated lamp life of 30,000 hours+ at 3 hours per start for program start ballasts and instant-start ballasts.
- Ballast and lamp combinations must be compatible.
- The maximum incentive for any lighting project will never exceed 20¢ per kWh saved or 50 percent of total project costs.
- For projects with estimated incentives of \$750 or more, you must submit your application for pre-approval before you begin the project. A pre-install inspection may be required. Lighting projects must be eligible for at least a \$100 incentive in order to apply for Energy Trust incentives.
- For projects receiving Federal Grants (or stimulus funding), only portions of the project not funded by these funds are eligible for Energy Trust incentives. Energy Trust incentive when added to grant funds will not exceed 100 percent of project costs.

### Custom lighting

Custom incentives of up to 35 percent of the cost of eligible installed lighting measures are available. Each custom lighting measure must pass a cost-effectiveness analysis and receive Energy Trust pre-approval.

### \*Additional requirements for specific technologies

- LED Refrigerated Case Lighting or Motion Sensors on Refrigeration Cases: Contact program administrators if interested in LED Refrigeration Case lighting or motion sensors. Reference more requirement information on PI 196G: Grocery, available from [www.energytrust.org/business](http://www.energytrust.org/business).
- Integral LED Lamps: Must be ENERGY STAR® qualified or on the Lighting Design Lab Regional LED Integral Lamp Product List. Eligible LED lamp specifications include: 1) those with dimmable capability or 2) directional fixture types for track heads, down lights and accent lighting (MR16, GU, R20, PAR30 and PAR38 designation or lamps with <60 degree beam spread). Integral lamps include screw-in, bi-pin or mogul base types. Integral LED lamps must replace incandescent or HD sources.
- Other LED fixtures and/or replacement lamps that meet certain criteria may be eligible for incentives on a custom basis.
- To submit LED products for consideration for eligibility refer to the Lighting Design Lab website: <http://www.lightingdesignlab.com/LED-List/index.html>

### Specifications

- CEE High-Performance T8 Specifications: [www.cee1.org/com/com-lt/com-lt-specs.pdf](http://www.cee1.org/com/com-lt/com-lt-specs.pdf)
- The CEE High-Performance 4 foot T8 Lamp and Ballast Qualifying Lists: [www.cee1.org/com/com-lt/lamps-ballasts.xls](http://www.cee1.org/com/com-lt/lamps-ballasts.xls)
- Northwest Regional Utilities LED Product List: (ENERGY STAR and other qualified Commercial LED equipment): <http://www.lightingdesignlab.com/LED-List/index.html>

## HEAT PUMPS *Program Information 197H*

EQUIPMENT SIZE (TONS) AND MINIMUM EFFICIENCY		INCENTIVE	ESTIMATED AVERAGE SAVINGS
<b>Air to Air Heat Pumps (AAHP)<sup>1,2</sup></b>			
5	14.0 SEER/12.0 EER	\$240	568 kWh
6	11.3 EER / 12.3 IEER	\$160	732 kWh
7.5	11.3 EER / 12.3 IEER	\$140	915 kWh
8.5	11.3 EER / 12.3 IEER	\$170	1037 kWh
10	11.3 EER / 12.3 IEER	\$300	1220 kWh
<b>Water Source Heat Pumps (WSHP)<sup>3</sup></b>			
2	14 EER / 4.6 COP	\$150	440 kWh
2.5	14 EER / 4.6 COP	\$140	550 kWh
3	14 EER / 4.6 COP	\$170	660 kWh
3.5	14 EER / 4.6 COP	\$220	770 kWh
4	14 EER / 4.6 COP	\$200	880 kWh
5	14 EER / 4.6 COP	\$240	1100 kWh

EQUIPMENT SIZE (TONS) AND MINIMUM EFFICIENCY		INCENTIVE	ESTIMATED AVERAGE SAVINGS
<b>Ground Source Heat Pumps (GSHP)<sup>3</sup></b>			
2	14 EER / 4.6 COP	\$150	440 kWh
2.5	14 EER / 4.6 COP	\$140	550 kWh
3	14 EER / 4.6 COP	\$170	660 kWh
3.5	14 EER / 4.6 COP	\$220	770 kWh
4	14 EER / 4.6 COP	\$200	880 kWh
5	14 EER / 4.6 COP	\$240	1100 kWh

Heat pump savings are based on average estimates only. Your actual savings may vary.

<sup>1</sup>The unit must conform to CEE's Unitary Heat Pump specification for Tier 1 efficient equipment.

<sup>2</sup>EER/IEER assumes a heating section type of electric resistance or no heat. Deduct 0.2 EER/0.2 IEER from EER/IEER

<sup>3</sup>WSHP and GSHP efficiency ratings are based on 86°F entering water temperature for cooling mode, and 68°F entering water temperature for heating mode.

## PREMIUM COOLING *Program Information 192H*

STAND ALONE EQUIPMENT SIZE AND MINIMUM EFFICIENCY <sup>1</sup>			AIR CONDITIONING INCENTIVE	ESTIMATED AVERAGE SAVINGS
6 Tons	72 kBtu/hr	11.7 EER/13 IEER <sup>2</sup>	\$170	645 kWh
7.5 Tons	90 kBtu/hr	11.7 EER/13 IEER	\$220	807 kWh
8.5 Tons	102 kBtu/hr	11.7 EER/13 IEER	\$280	914 kWh
10 Tons	120 kBtu/hr	11.7 EER/13 IEER	\$330	1076 kWh
12.5 Tons	150 kBtu/hr	11.7 EER/12.5 IEER	\$420	1158 kWh
15 Tons	180 kBtu/hr	11.7 EER/12.5 IEER	\$340	1389 kWh
17.5 Tons	210 kBtu/hr	11.7 EER/12.5 IEER	\$420	1574 kWh
20 Tons	240 kBtu/hr	10.5 EER/11.3 IEER	\$570	2105 kWh
25 Tons	300 kBtu/hr	10.5 EER/11.3 IEER	\$440	2630 kWh

AC savings are based on average estimates only. Your actual savings may vary.

<sup>1</sup>The unit must conform to CEE's Unitary Air Conditioning specification for Tier 1 efficient equipment.

<sup>2</sup>EER/IEER assumes a heating section type of electric resistance or no heat. Deduct 0.2 EER/0.2 IEER from efficiency requirement for all other heating section types.

## PREMIUM GAS *Program Information 193G*

EQUIPMENT AND EFFICIENCY TYPE	UNIT INCENTIVE	ESTIMATED AVERAGE SAVINGS
<b>HVAC Unit Heater</b> High-Efficiency with Electronic Ignition, Minimum 86% Thermal Efficiency	\$1.50/kBtu/hr in	0.61 therms/kBtu/hr in
<b>Warm-Air Furnace &lt; 225 kBtu/hr</b> High-Efficiency Condensing Furnace, Minimum 91% AFUE	\$3/kBtu/hr in	0.967 therms/ kBtu/hr in
<b>Radiant Heating</b> Direct-Fired Radiant Heating, No specified efficiency type	\$6.50/kBtu/hr in	4.3 therms and 2.67 kWh per kBtu/hr in
<b>Domestic Tank Water Heaters</b> Condensing Tank > 75 kBtu/hr, Minimum 91% Thermal Efficiency	\$2.50/kBtu/hr in	0.756 therms/ kBtu/hr in
<b>Domestic Tankless/Instantaneous Water Heaters</b> With Electronic Ignition, Minimum 0.738 Energy Factor	\$2/kBtu/hr in	0.75 therms/kBtu/hr in
<b>Boiler</b> High-Efficiency Condensing Boiler with Electronic Ignition, Minimum 90% Thermal Efficiency	\$4/kBtu/hr in	Boiler < 300kBtuh/2.21 therms Boiler ≥ 300, ≤ 2500kBtuh/2.19 therms Boiler > 2500kBtuh/2.17 therms
<b>Boiler Vent Damper</b> Minimum 1,000 kBtuh input	\$1,000/vent damper	270 therms
<b>Steam Traps</b> Steam System Traps Operate less than 12 hrs/day with 15 - 200 psig	\$100 per trap	112 therms

*Premium gas savings are based on annual averages. Your actual savings may vary.*

# INSULATION—GAS AND ELECTRIC HEAT *Program Information 198N*

EQUIPMENT AND EFFICIENCY TYPE			UNIT INCENTIVE	ESTIMATED AVERAGE SAVINGS
<b>For Electric Customers</b>				
<b>Attic Insulation</b> No existing insulation, Minimum R-19			\$0.30 per sq ft	4.14 kWh/sq ft
<b>Roof Insulation</b> No existing insulation, Minimum R-11			\$0.30 per sq ft	6.97 kWh/sq ft
<b>Wall Insulation</b> No existing insulation, Minimum R-11			\$0.30 per sq ft	4.68 kWh/sq ft
<b>For Gas Customers</b>				
<b>Attic Insulation</b> No existing insulation, Minimum R-19			\$0.30 per sq ft	0.18 therms/sq ft
<b>Roof Insulation</b> No existing insulation, Minimum R-11			\$0.30 per sq ft	1.39 kWh and 0.24 therms/sq ft
<b>Wall Insulation</b> No existing insulation, Minimum R-11			\$0.30 per sq ft	0.16 therms/sq ft
<b>Pipe Insulation</b>	Pipe Diameter			
	≤ 1.5"	> 1.5"		
	Minimum Required Insulation Thickness			
Domestic Hot Water / Heating Hot Water	1.5"	2"	\$2 per foot	4 therms per foot
Low-Pressure Steam (<15 psig)	1.5"	2"	\$4 per foot	9.3 therms per foot
Med-Pressure Steam (15-200 psig)	1.5"	2"	\$6 per foot	5.1 therms per foot

*Insulation savings estimates are based on annual averages per square foot. Your actual savings may vary.*

# LODGING AND FOODSERVICE EQUIPMENT *Program Information 194F*

EQUIPMENT AND EFFICIENCY TYPE		UNIT INCENTIVE
Package Terminal Heat Pump (PTHP) (must replace electric resistance heat)		\$100 each
Guest Room Occupancy Controls for Packaged Terminal Units		\$50 each
LED Bathroom Night Lights		\$25 each
Showerhead* 2 GPM or less		\$6 each (10 unit min)
Showerwand 1.5 GPM or less		\$10 each
Bathroom Faucet Aerators 0.5 GPM or less		\$3 each (15 unit min)
Kitchen Faucet Aerators 1.5 GPM or less		\$5 each (15 unit min)
Commercial Laundry Washers, Gas ENERGY STAR		\$200 each
Commercial Laundry Washers, Electric ENERGY STAR		\$300 each
Gas Griddle ENERGY STAR		\$150 each
Gas or Electric Convection Oven ENERGY STAR		\$300 each
Gas Fryer ENERGY STAR		\$1,000 per gas connection
Electric Hot Food Cabinet (Full Size: $\geq 15$ ft <sup>3</sup> ) ENERGY STAR		\$400 each
Electric Hot Food Cabinet (Half Size: $<15$ ft <sup>3</sup> ) ENERGY STAR		\$275 each
Gas or Electric Steam Cooker ENERGY STAR		\$1300 each
Commercial Freezer - Glass or Solid Door ENERGY STAR		\$150 each
Commercial Refrigerator - Glass or Solid Door ENERGY STAR		\$150 each
Residential Refrigerator ( $\geq 7.75$ ft <sup>3</sup> ) ENERGY STAR	20-29 percent above federal standards	\$50 each
	30 percent or more above federal standards	\$100 each
Residential Freezer ENERGY STAR	10-29 percent above federal standards	\$50 each
	30 percent or more above federal standards	\$100 each
Residential Dishwasher - In Office Setting ENERGY STAR		\$35 each
Vent Hood Variable Speed Drive (not available for gas-only customers)		\$750 per horsepower

EQUIPMENT AND EFFICIENCY TYPE	UNIT INCENTIVE
Dishwasher, High Temp Undercounter ENERGY STAR	\$200 each
Dishwasher, High/Low Temp Single Tank Door/Upright ENERGY STAR	\$400 each
Dishwasher, Conveyor, High/Low Temp ENERGY STAR	\$500 each
Turbo Pot with Lid ≥ 18 quart (only available for gas customers with a gas range)	\$40 each

Ozone Laundry System 100 lb capacity minimum see program for additional requirements.	\$40/pound capacity not to exceed 35% of project cost
--	---

ICE MACHINES (AIR COOLED ONLY) AND ICE HARVEST RATE	INCENTIVE FOR CEE TIER 1 (AS OF 7/1/11)	INCENTIVE FOR CEE TIER 2 (AS OF 7/1/11)
Self-Contained Unit (SCU) <175	\$200 each	\$300 each
Self-Contained Unit (SCU) ≥175	\$200 each	\$300 each
Ice-Making Head (IMH) <450	\$200 each	\$300 each
Ice-Making Head (IMH) ≥450	\$300 each	\$400 each
Remote Condensing Unit (RCU) <1,000	\$200 each	\$300 each
Remote Condensing Unit (RCU) ≥1,000	\$400 each	\$500 each

\*Showerheads bought at retail stores currently participating in Energy Trust's retail buydown are not eligible.

## GROCERY Program Information 196G

EQUIPMENT AND EFFICIENCY TYPE	UNIT INCENTIVE	ESTIMATED AVERAGE SAVINGS
<b>Anti-sweat Controls</b> Medium temperature case (between 1° F and 35° F), Walk-in, Reach-in, Coffin	\$40 per linear ft	324 kWh/linear ft
<b>Anti-sweat Controls</b> Low temperature case (below 0° F), Walk-in, Reach-in, Coffin	\$50 per linear ft	434 kWh/linear ft
<b>Auto Door Closers</b> Low temperature, Reach-in Freezer, Walk-in Freezer	\$50 per unit	560 kWh/unit 2,806 kWh/unit
<b>Auto Door Closers</b> Medium temperature, Reach-in Cooler, Walk-in Cooler	\$40 per unit	373 kWh/unit 241 kWh/unit
<b>Electrical Commutated Motor (ECM)</b> Replace Shade Pole or PSC to ECM	\$45 per motor replaced	466 kWh/unit
<b>Evaporator Fan Controls</b> Install Controls on Shade Pole or PSC, Fan Controls	\$25 per fan controlled	451 kWh/unit
<b>LED Case Lighting<sup>1</sup></b> T8 to LED, Side bar (single), Reach-in Cooler/ Freezer	\$10 per linear ft	104 kWh/linear ft
<b>LED Case Lighting<sup>1</sup></b> T12 to LED, Side bar (single), Reach-in Cooler/ Freezer	\$10 per linear ft	154 kWh/linear ft
<b>LED Case Lighting<sup>1</sup></b> T8 to LED, Mullion (double), Reach-in Cooler/ Freezer	\$10 per linear ft	59 kWh/linear ft
<b>LED Case Lighting<sup>1</sup></b> T12 to LED, Mullion (double), Reach-in Cooler/ Freezer	\$10 per linear ft	105 kWh/linear ft
<b>Motion Sensor<sup>1</sup></b> On LED cases, Side bar (single), Reach-in Cooler/ Freezer	\$2 per linear ft	14 kWh/linear ft
<b>Motion Sensor<sup>1</sup></b> On LED cases, Mullion (double), Reach-in Cooler/ Freezer	\$2 per linear ft	27 kWh/linear ft
<b>Night Covers</b> Install or replace night covers, Horizontal (H) or Vertical (V)	\$10 per linear ft	H: 309 kWh/linear ft V: 208 kWh/linear ft
<b>Strip Curtains</b> Low temperature, Walk-in Freezer, Supermarket or Restaurant Must install where no infiltration barriers exist	\$5 per square ft	S: 443/square ft R: 134/square ft
<b>Strip Curtains</b> Medium temperature, Walk-in Cooler, Supermarket or Warehouse Must install where no infiltration barriers exist	\$5 per square ft	S: 103 kWh/sq ft W:350 kWh/sq ft
<b>Variable Frequency Drive (VFD) on Condensers</b> Adds a central VFD to control an air (AIR) or evaporatively (EVAP) cooled condenser. Stand alone installation. Must be installed on inverter duty motors.	\$100 per fan motor hp	AIR: 1882 kWh/hp EVAP: 2155 kWh/hp
<b>Oversized Condenser w/ VFD</b> 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 evaporation load.	\$60 per condenser ton	AIR: 718 kWh/ton EVAP: 494 kWh/ton
<b>Floating Head Pressure Controls (FHPC)</b> Adds FHPC to the compressor rack control system	\$40 per compressor hp	AIR: 447 kWh/hp EVAP: 222 kWh/hp
<b>Floating Head Pressure Controls (FHPC)</b> Adds FHPC to single compressor system, condensing unit/remote condensers	C: \$100 per hp R: \$60 per hp	C: 805 kWh/hp R: 576 kWh/hp
<b>Floating Suction Pressure Controls (FSPC)</b> Adds FSPC to the compressor rack control system	\$15 per compressor hp	AIR: 130 kWh/hp EVAP: 124 kWh/hp
<b>FHPC and FSPC Concurrently</b> Adds both FHPC and FSPC to the compressor rack control system	\$55 per compressor hp	AIR: 555 kWh/hp EVAP: 339 kWh/hp

<sup>1</sup>Additional requirements apply, contact program administrators for more information. Grocery savings are based on average estimates only. Actual savings may vary.

## COMPRESSED AIR SYSTEMS *Program Information 197C*

EQUIPMENT	QUALIFYING CRITERIA	UNIT INCENTIVE	ESTIMATED AVERAGE SAVINGS
Zero-Loss Condensate Drains	<ul style="list-style-type: none"> <li>Drain is designed to operate with zero air loss.</li> </ul>	\$60 each	386 kWh
Cycling Refrigerated Dryers	<ul style="list-style-type: none"> <li>Rated capacity of dryer is 500 scfm or less.</li> <li>Dryer operates exclusively in cycling mode. Dryer is not equipped with the ability to select between cycling and non-cycling modes.</li> <li>Refrigeration compressor in dryer cycles off during periods of reduced demand.</li> <li>Either the drain integral to the dryer is of the zero-loss type or a zero-loss drain must accompany the sale of the dryer.</li> </ul>	\$1.50 per scfm rated capacity	9.2 kWh
Additional Receiver Capacity	<ul style="list-style-type: none"> <li>Incentive applies only to receiver capacity in excess of two gallons per scfm of trim compressor capacity, with a maximum of 10 gallons per scfm.</li> <li>Only available for systems in which the trim compressor uses either 1) load/unload control without inlet modulation; or 2) on/off control. Systems with a VFD or using variable displacement control on the trim compressor are not eligible.</li> </ul>	\$2.50 per gallon (above 2 gal/scfm)	9.4 kWh
Low Pressure-Drop Filters	<ul style="list-style-type: none"> <li>Filter is of deep-bed "mist eliminator" style, with element life of at least five years.</li> <li>Rated capacity of filter is 500 scfm or less.</li> <li>Pressure loss at rated flow <math>\leq</math> 1 psi when new, M3 psi at element change.</li> <li>Rated at 100% particle filtration at <math>\geq</math> 3.0 microns, 99.98% at 0.1 to 3.0 microns, <math>\leq</math> 5 ppm liquid carryover.</li> </ul>	\$2 per scfm rated capacity	5.2 kWh

*Compressed air savings estimates are based on annual averages. Your actual savings may vary.*

## DATA CENTER *Program Information 195D*

EQUIPMENT	UNIT INCENTIVE	ESTIMATED AVERAGE SAVINGS
Server Virtualization	\$350 per server decommissioned (10 server minimum)	2,309 kWh per server
PC Power Management	\$10 per license (20 desktop minimum)	200 kWh per endpoint

### INCENTIVE REQUIREMENTS

#### Server virtualization

- 1. Virtualize and recycle your servers.** A minimum of 10 servers must be decommissioned and recycled to qualify for incentives.
- 2. Submit application materials to Existing Buildings:**
  - Form 120D Data Center Incentive Application
  - Server inventory report (Capacity Planner or equivalent)
  - Final itemized invoice(s) or relevant purchase orders - see the equipment documentation section in the application terms and conditions for details
  - Utility Bill
  - Proof of Recycling (or equivalent)\*
  - IRS Form W-9

#### 3. Participate in post-install verification inspection when required.

*\*Proof of recycling is required to ensure that the servers marked for consolidation on the Capacity Planner report have been removed from service and have been decommissioned, destroyed, or will be destroyed.*

#### PC power management

#### 1. A minimum of 20 desktop computers must be licensed and configured to run approved PC Power Management software to qualify for incentives.

#### 2. Submit application materials to Existing Buildings:

- Form 120D Data Center Incentive Application. If multiple sites are involved, please attach a spreadsheet listing the address, electric utility account number and number of end points served at each location.
- Computer inventory report which shows:
  - Which end points will be controlled by the software
  - What the power settings will be
  - Where they are physically located
  - Number of computers known to be labeled ENERGY STAR®
- Final itemized invoice(s) or relevant purchase orders - see the Equipment Documentation section in the application terms and conditions for details.
- Utility bill for each site
- IRS form W-9

#### 3. Participate in post-install verification inspection when required.

#### Approved products\*

BigFix (Power Manager), Verdiem (Surveyor), 1E (Night Watchman), Verismic (Power Manager), LANDesk (Power Management), Lightspeed (Power Manager), Faronics (Power Save), ScriptLogic (Desktop Authority), A-VOB (Energy Saver), Promisec (INNERspace, MSP, Spectator), Absolute Software (Absolute Manager), Lakeside Software (Sys Track PM), Symantec (Altiris).

*\*Energy Trust Existing Buildings has determined that the software listed here meets the required energy-efficiency specifications. If the software you wish to use is not on this list, please contact us to discuss whether your software may comply with program requirements.*

*Energy Trust does not endorse any particular manufacturer, contractor or product in promoting the program. The fact that the names of particular manufacturers, contractors, products or systems may appear on this program Information sheet or elsewhere does not constitute an endorsement. Manufacturers, contractors, products or systems not mentioned are not implied to be unsuitable or defective in any way.*



## Existing Buildings custom incentives

Energy-efficiency equipment not listed may still be eligible for custom incentives. Projects eligible for custom incentives typically require an engineering study or other technical assistance in the project design process. All equipment purchases must receive pre-approval from the program to qualify for custom incentives. A program representative will work with you through each step of the process. To learn more about these and other incentives, call 1.877.510.6800 or visit our website at [www.energytrust.org/business](http://www.energytrust.org/business).

Note: A post-installation inspection may apply if your incentive is over \$5,000.





To learn more, visit [www.energytrust.org](http://www.energytrust.org) or call **1.866.368.7878**.

Energy Trust provides technical assistance and financial incentives for energy systems or equipment that meet its program criteria, but does not install energy systems or equipment nor does it guarantee any specific energy savings through its assistance or programs. Installation work is done by independent businesses that are solely responsible for the quality and performance of their installations.

**Energy Trust of Oregon**

421 SW Oak St., Suite 300, Portland, OR 97204

1.866.368.7878

503.546.6862 *fax*

[energytrust.org](http://energytrust.org)

Energy Trust of Oregon is an independent nonprofit organization dedicated to helping utility customers benefit from saving energy and tapping renewable resources. Our services, cash incentives and energy solutions have helped participating customers of Portland General Electric, Pacific Power, NW Natural and Cascade Natural Gas save on energy costs. Our work helps keep energy costs as low as possible, creates jobs and builds a sustainable energy future. **Printed with vegetable-based inks on paper that contains 100% post-consumer waste. Effective January 2012.**