

Incentives – Existing Buildings

Existing Buildings | Information Sheet | PI 120EB-OR



Incentives for Oregon Customers of Portland General Electric, Pacific Power, NW Natural, Cascade Natural Gas and Avista.

TRC is a Program Management Contractor for Energy Trust of Oregon.

Effective January 1, 2024, Energy Trust offers the following incentives for qualifying new natural gas and electric energy-saving equipment installed at a commercial, municipal or institutional facility in the State of Oregon:

- Incentives are subject to change. To apply, submit a complete Energy Trust incentive application with all required accompanying documentation by the deadline listed in the application form.
- Electric customers of Portland General Electric and Pacific Power can apply for incentives for qualifying electric equipment, and natural gas customers on eligible rate schedules of NW Natural, Cascade Natural Gas or Avista can apply for incentives for qualifying natural gas equipment.

Lodging and Foodservice Equipment

Equipment	Retrofit Requirements			Incentive
Ductless Heat Pump (DHP)	Must have a minimum efficiency of 18 SEER or SEER2 and 10 HSPF or 9.5 HSPF2. Must be a single compressor system with up to two heads per dwelling unit. Eligible only for lodging. Only new installation or replacement applications qualify.			\$500 per ton of cooling capacity
Packaged Terminal Heat Pump (PTHP)	Must replace electric resistance heat or a packaged terminal air conditioner (PTAC). Qualified models must be found here: www.ahridirectory.org . Eligible only for lodging			\$800 each
ENERGY STAR® Commercial Laundry Washer, Common areas	Clothes washers must be front-loading machines and ENERGY STAR rated. Water heating provided by a participating utility. Leased equipment must be new. A signed lease agreement and documentation that identifies washer quantity, model number(s), and retail cost of clothes washer are required.	Dryer Type	Participating Utility	
		Electric	Gas or Electric	\$400 each
		Gas	Gas or Electric	\$350 each
		Electric/ Gas	Electric Only	\$150 each
		Electric/ Gas	Gas only	\$100 each
Gas-fired Automatic Conveyor Broiler	Automatic conveyor with catalyst. Input rate must be below 80 kBtu/h or dual stage or modulating gas valve with a capability of throttling the input rate below 80 kBtu/h. Installed under a Type I Vent Hood.	Total conveyor belt width less than 20"		\$2,500 each
		Total conveyor belt width 20" to 26"		\$3,000 each
		Total conveyor belt width greater than 26"		\$3,500 each
Two-stage Gas Valve on Clothes Dryers	Valves must be installed on commercial gas-fired dryers. Dryers must have 200 or fewer pounds of dry clothes capacity or 65 or fewer cubic feet of dryer drum volume. Valves can be installed on new or existing gas-fired dryers. Sites with on-premises laundry are eligible. Coin-operated laundromats are not eligible.			\$700 each

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Lodging and Foodservice Equipment *continued*

Equipment	Retrofit Requirements		Incentive
Ozone Laundry Systems	Each ozone laundry system must be new and installed on either new or existing programmable commercial washing machine(s). Each ozone generator may serve one or more washers. All existing/new washers at a facility must be reprogrammed and connected to work with the new ozone laundry system. Partial conversions are not eligible. Water heating for clothes washing must be provided by boilers, or gas or electric water heaters. Water heating must be provided by a participating utility. The ozone laundry system(s) must transfer ozone into the water with either the venturi injection or bubble diffusion process.	Total laundry capacity is less than 75 lbs:	\$5,000 per system
		Total laundry capacity is between 75 and 125 lbs:	\$7,500 per system
		Total laundry capacity is between 126 and 400 lbs:	\$15,000 per system
		Total laundry capacity is between 401 and 600 lbs:	\$25,000 per system
		Total laundry capacity is greater than 600 lbs:	\$30,000 per system
Electric Combination Oven – 3-4 Pan Capacity	ENERGY STAR 3.0 required		\$500 each
Electric Combination Oven – 5-40 Pan Capacity	ENERGY STAR 3.0 required		\$1,000 each
Double Rack Gas Oven	ENERGY STAR 3.0 required. One removable double rack or two removable single racks to accommodate two full sheets per level, each pan at least 18" x 26" x 1".		\$2,000 each
Electric Convection Oven – Full-size	ENERGY STAR 3.0 required. Accommodates standard full-size sheet pans measuring at least 18" x 26" x 1".		\$500 each
Electric Convection Oven – Half-size	ENERGY STAR 3.0 required. Accommodates half-size sheet pans measuring at least 18" x 13" x 1".		\$300 each
Commercial Ice Maker	ENERGY STAR 3.0. Commercial batch type and continuous air-cooled machine.	Batch Self-contained Unit (SCU) - 200-4,000 lbs. per day	\$180 each
		Batch Remote Condensing Unit (RCU) - 988-4,000 lbs. per day	\$400 each
		Continuous Remote Condensing Unit (RCU) - 800-4,000 lbs. per day	\$400 each
		Batch Ice-Making Head (IMH) - 1,500-4,000 lbs. per day	\$400 each
		Continuous Ice-Making Head (IMH) - 820-4,000 lbs. per day	\$400 each
Electric Hot Foot Cabinet – Half-size	ENERGY STAR 2.0 required. Interior volume must be less than 13 cubic feet.		\$450 each
Gas Steam Cooker	Cooking energy efficiency must be at least 43%. Idle Rate must be 2,770 BTU/hr or less		\$3,400 each
Electric Steam Cooker	Cooking energy efficiency must be at least 62%. Idle Rate must be 300W or less		\$2,500 each

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Equipment	Retrofit Requirements		Incentive
Commercial Vent Hood Retrofit with Demand Controlled Ventilation	Motor speeds must be controlled by a programmable controller, with scheduling, occupancy sensing, and heat sensing capabilities. Variable speed control must be installed on both the make-up air unit motor and the hood exhaust motor. Make-up air must be tempered. Total controlled motor horsepower must be at least 1.0 hp and cannot exceed total existing horsepower of make-up air unit and exhaust fan motor.	Gas heat or electric heat	\$1,500 per controlled motor horsepower
		Gas or other non-electric heat in electric only territory	\$900 per controlled motor horsepower
Dishwasher, Single Tank with Conveyor	ENERGY STAR 3.0 required. Dishwasher can be low, dual, or high temperature. Site must receive electricity from a participating utility.		\$900 each
Dishwasher, Multi-Tank with Conveyor	ENERGY STAR 3.0 required. Dishwasher must be dual or high temperature. Site must receive electricity from a participating utility.		\$900 each

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Equipment	Retrofit Requirements				Incentive																									
Commercial Pool Cover	Pool must be heated. Pool must not have had a pre-existing cover within 6 months of pool cover installation. Covers installed at residential pools do not qualify. Eligible sites include commercial pools within lodging, fitness centers and municipal centers. Cover must be specifically designed for swimming pools, cover entire pool surface area and utilize a storage reel. Liquid evaporation suppressants, solar disks and mesh covers are ineligible. Pool heating fuel must be provided by participating utility.				\$6.00 per sq ft of pool surface area																									
Commercial Swimming Pool Heater	Must be a replacement, gas-fired pool heater. Heater must not have a continuously burning pilot light. Must have at most 400 kBtu/h capacity per heater, not to exceed a total (or maximum) of 1,000 kBtu/h for all heaters combined. Must have at least 94% thermal efficiency for condensing heaters, or at least 84% efficiency for non-condensing heaters. Site must receive gas from a participating utility. Covered and not covered pools both qualify. Eligible pool covers include solid track, bubble type, or foam type with storage reels. Pool must meet minimum area requirements as listed below.	Non-condensing Heater, Covered		\$0.90 per sq ft of area served by heater																										
		Non-condensing Heater, Not covered		\$1.00 per sq ft of area served by heater																										
		Condensing Heater, Covered		\$3.00 per sq ft of area served by heater																										
		Condensing Heater, Not covered		\$5.00 per sq ft of area served by heater																										
	The pool must meet the following minimum area requirements:																													
	<table><tr><td>Heater Type</td><td>Covered Pool?</td><td>Indoor or Outdoor Pool</td><td>Minimum Required Pool Sq. Ft.</td></tr><tr><td rowspan="2">Condensing</td><td rowspan="2">No</td><td>Indoor</td><td>1,275</td></tr><tr><td>Outdoor</td><td>700</td></tr><tr><td rowspan="2">Condensing</td><td rowspan="2">Yes</td><td>Indoor</td><td>2,150</td></tr><tr><td>Outdoor</td><td>1,050</td></tr><tr><td>Non-condensing</td><td>No</td><td>Either</td><td>500</td></tr><tr><td rowspan="2">Non-condensing</td><td rowspan="2">Yes</td><td>Indoor</td><td>850</td></tr><tr><td>Outdoor</td><td>500</td></tr></table>				Heater Type	Covered Pool?	Indoor or Outdoor Pool	Minimum Required Pool Sq. Ft.	Condensing	No	Indoor	1,275	Outdoor	700	Condensing	Yes	Indoor	2,150	Outdoor	1,050	Non-condensing	No	Either	500	Non-condensing	Yes	Indoor	850	Outdoor	500
	Heater Type	Covered Pool?	Indoor or Outdoor Pool	Minimum Required Pool Sq. Ft.																										
	Condensing	No	Indoor	1,275																										
Outdoor			700																											
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Grocery Equipment

Equipment	Retrofit Requirements		Incentive
Anti-sweat Heater Controls (ASH)	Eligible heater controls must reduce sweat by sensing humidity, dew point, or condensation. Site must not have an existing refrigeration energy management system, including ASH controls. Site receives electricity from a participating utility	Low temperature case (below 0°F)	\$80 per linear ft of door
		Medium temperature case (between 1°F and 35°F)	\$60 per linear ft of door
Evaporator Fan Motors	Retrofit walk-in or reach-in refrigeration case with electronically commutated motor (ECM) or permanent magnet synchronous motors (PMSM). Existing case motor must be either shaded pole (SP) or permanent split capacitor (PSC) motor. Site receives electricity from a participating utility. New walk-in or reach-ins are ineligible	Walk-in case, from a SP	\$180 per motor replaced
		Walk-in case, from a PSC	\$180 per motor replaced
		Reach-in case, from a SP	\$150 per motor replaced
		Reach-in case, from a PSC	\$150 per motor replaced
Retrofit Doors on Freezers or Refrigerated Cases	Retrofit doors on existing open freezers or refrigerated cases. Self-contained refrigeration cases (integrated condensing units) are ineligible. Low temperature is at or below 0°F. Medium temperature is between 1°F and 35°F.	Gas building heat type. Site receives electricity from a participating utility. Medium or Low Case Temperature.	\$400 per linear ft of door
		Electric or non-participating gas building heat type. Site receives electricity from a participating utility. Medium or Low Case Temperature.	\$350 per linear ft of door
		Gas building heat type. Site receives electricity from a non-participating utility. Medium or Low Case Temperature.	\$160 per linear ft of door

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Grocery Equipment *continued*

Equipment	Retrofit Requirements		Incentive
New Cooler Cases with Doors	Must be a new refrigerated display case with doors, additional cases are added or existing cases are replaced. Doors must be transparent. Cases with solid doors do not qualify. Refurbished cases do not qualify. Can be installed at sites with electric or gas heat, or at sites with gas or other heat, with no participating gas provider	Vertical cases - Coolers only	\$150 per linear ft of door
		Horizontal cases - Coolers or Freezers	\$150 per linear ft of door
		Self-Contained Unit - Horizontal Freezer at site with gas heat, with no participating gas provider	\$150 per linear ft of door
Strip Curtains	Must be installed where no infiltration barriers exist in walk-in coolers or freezers. Display cases are ineligible. Must be contractor-installed. Eligible only for grocery stores and supermarkets, restaurants and warehouses. Low temperature is at or below 0°F. Medium temperature is between 1°F and 35°F.	Walk-in cooler for grocery stores and warehouses	\$12.00 per sq ft
		Walk-in freezer for grocery stores and restaurants	\$12.00 per sq ft
Condenser Fan Variable Frequency Drive (VFD) Retrofit, Compressor Rack	Adding a single VFD to control an existing multi-fan condensing unit. Existing condenser multi-fan systems must not have VFD	Air Cooled Condenser	\$850 per fan motor hp
		Evaporatively Cooled Condenser	\$850 per fan motor hp
ENERGY STAR Vertical Reach-in Refrigerator	ENERGY STAR 5.0 required. Case must be packaged and self-contained with a built-in cooling compressor. Case must have glass doors. Used or rebuilt cases do not qualify. Cases with remote refrigeration systems do not qualify. Refrigerator volume must be less than 15 cubic feet. Site must receive electric service from a participating utility.		\$20 each
ENERGY STAR Vertical Reach-in Freezer	ENERGY STAR 5.0 required. Case must be packaged and self-contained with a built-in cooling compressor. Case must have glass doors. Used or rebuilt cases do not qualify. Cases with remote refrigeration systems do not qualify. Horizontal or chest-style freezers do not qualify. Site must receive electric service from a participating utility.	Volume less than 15 cubic feet	\$40 each
		Volume 15 - 29.9 cubic feet	\$80 each
		Volume 30 - 49.9 cubic feet	\$190 each
		Volume At least 50 cubic feet	\$325 each

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Grocery Equipment *continued*

Equipment	Retrofit Requirements		Incentive
Floating Head Pressure Control (FHPC) Retrofit, Compressor	Adding a FSPC to a compressor rack control system. Existing rack system must not have FHPC or FSPC	Air Cooled Condenser	\$60 per compressor hp
		Evaporatively Cooled Condenser	\$60 per compressor hp
Floating Suction Pressure Controls (FSPC) Retrofit, Compressor Rack	Adding a FSPC to a compressor rack control system. Existing rack system must not have FHPC or FSPC	Air Cooled Condenser	\$60 per compressor hp
		Evaporatively Cooled Condenser	\$60 per compressor hp
FHPC and FSPC Retrofit, Compressor Rack	Adding a FHPC and FSPC, concurrently, to a compressor rack control system. Existing rack system must not have FHPC or FSPC. Cannot be combined with FSPC or FHPC Compressor Rack measures	Air Cooled Condenser	\$130 per compressor hp
		Evaporatively Cooled Condenser	\$130 per compressor hp
On-demand Overwrapper	Use either a mechanical or optical control system to detect product		\$350 each
Commercial Smart Thermostats – Grocery Sites	If two or more HVAC systems serve the same open space, temperature setpoints, schedules and dead-bands must match. Temperature setback in heating mode must be at least 10°F below the occupied heating setpoint. Temperature setback in cooling mode must be at least 5°F above the occupied cooling setpoint. Fan schedule set to 'auto' mode during unoccupied hours. Manual setpoint override must be limited to two hours or less. Heat pump with backup resistance heat must enable lock-out with appropriate temperature set-points. For Commercial Smart Thermostats at other sites see HVAC and Water Heating.		\$500 each

Computer Equipment

Server/Telecom Room – Mini-Split Air Conditioning	Cooling efficiency rated SEER 18 or SEER2 18 or greater. Cooling capacity no greater than 4.5 tons per unit (1 ton = 12 kBtu/h). Unit must serve a space exclusively used for servers, communications and other data equipment. Maximum of 2 units per space	Server Closet Mini-split Air Conditioner	\$250 per ton of cooling capacity
		Server Closet Mini-split Heat Pump	\$250 per ton of cooling capacity

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Insulation^{1, 2}

Upgrade	Existing Condition	New Condition	Retrofit Requirements	Incentive
Attic Insulation	R-9 or less	R-25	Insulate to at least R-25 efficiency rating or fill cavity. Damaged or missing insulation must be prequalified and documented by the installation contractor.	\$0.90 per sq ft
Roof Insulation	R-0	R-15	Insulate to at least R-15 efficiency rating or fill cavity below R-15. No existing insulation, unless existing is damaged or missing. Damaged or missing insulation must be prequalified and documented by the installation contractor.	\$2.85 per sq ft
Roof Insulation	R-0	R-30	Insulate to at least R-30 efficiency rating or fill cavity above R-15. Damaged or missing insulation must be prequalified and documented by the installation contractor.	\$2.85 per sq ft
Roof Insulation	R-5 or less	R30	Existing insulation is R-5 or less. Insulate to at least R-30 efficiency rating or fill cavity. Damaged or missing insulation must be prequalified and documented by the installation contractor.	\$1.00 per sq ft
Wall Insulation	R-6 or less	R-20	Insulate to at least R-20 efficiency rating or fill cavity. Damaged or missing insulation must be prequalified and documented by the installation contractor.	\$1.30 per sq ft

¹ Must be installed at a site heated by electricity or gas provided by participating utilities, or gas/other heat at a site with gas not provided by a participating utility.

² Must be installed in areas of the building envelope that separate conditioned space and unconditioned space. Insulation installed between conditioned spaces is ineligible.

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Pipe Insulation

Equipment	Existing Condition	Retrofit Requirements			Incentive													
Pipe Insulation	No Insulation	<p>Must not have existing insulation. Jacketing must provide an appropriate level of protection for the insulation under the given environmental conditions to maintain the life of the insulation. This will commonly be All Service Jacketing (ASJ) or PVC in indoor applications and aluminum or stainless steel jacketing for outdoor projects.. Piping must be part of a system using natural gas provided by a participating utility. Water heaters or boilers providing hot water or steam to uninsulated pipes must be natural gas-fired.</p> <table><tr><th rowspan="2">Fluid</th><th colspan="2">Pipe Diameter</th></tr><tr><th>1.5 inches or less</th><th>Greater than 1.5 inches</th></tr><tr><td>Domestic Hot Water</td><td rowspan="3">1.5 Inches</td><td rowspan="3">2.0 Inches</td></tr><tr><td>Heating Hot Water</td></tr><tr><td>Low Pressure</td></tr><tr><td>Medium Pressure</td><td>2.0 Inches</td><td>2.5 Inches</td></tr></table>		Fluid	Pipe Diameter		1.5 inches or less	Greater than 1.5 inches	Domestic Hot Water	1.5 Inches	2.0 Inches	Heating Hot Water	Low Pressure	Medium Pressure	2.0 Inches	2.5 Inches	Piping serving domestic hot water	\$18.00 per linear foot
					Fluid	Pipe Diameter												
				1.5 inches or less		Greater than 1.5 inches												
				Domestic Hot Water	1.5 Inches	2.0 Inches												
				Heating Hot Water														
				Low Pressure														
				Medium Pressure	2.0 Inches	2.5 Inches												
Piping serving medium pressure steam (15-200 psig)	\$25.00 per linear foot																	
Piping serving heating hot water	\$25.00 per linear foot																	
Piping serving low pressure steam (less than 15 psig)	\$25.00 per linear foot																	

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HVAC and Water Heating Equipment

Equipment	Retrofit Requirements		Incentive
New Rooftop Unit (RTU) with Economizer	All installed RTUs must be new units with Direct Expansion (DX) cooling and either gas furnace or heat pump heating. Must have cooling capacity less than 54 kBtu/h. Economizer must be factory-installed by RTU manufacturer. Site must receive electricity from a participating utility.	Space heated by electric heat pump	\$30 per ton
		Space heated by gas furnace	\$30 per ton
New Rooftop Unit (RTU) with Demand Control Ventilation (DCV)	All installed RTUs must be new units with Direct Expansion (DX) cooling and either gas furnace or heat pump heating. Must serve spaces not required by code to have DCV. Economizer must be factory-installed by RTU manufacturer, with DCV included ³ . Heating must be provided by a participating utility.	Space heated by electric heat pump	\$29 per ton
		Space heated by gas furnace	\$29 per ton
New Rooftop Unit (RTU) with Variable Speed Supply Fan	All installed Rooftop Units (RTUs) must be new units with Direct Expansion (DX) cooling and heat pump heating. Gas furnace heating does not qualify. Must have cooling capacity less than 65 kBtu/h. Variable speed supply fan and economizer must be factory-installed by RTU manufacturer with DCV included ⁴ . Site must receive electricity from a participating utility.	Space heated by electric heat pump	\$100 per ton
Infrared Radiant Heater	Must be natural gas-fired, low intensity, non-condensing and positive pressure system. Indoor area use only, no greater than 20,000 square feet. Site must receive gas from a participating utility.	Non-Modulating	\$1.25 per kBtu/h input
		Modulating	\$2.25 per kBtu/h input
Advanced Rooftop Controls (ARC) - Lite Retrofit	Business must meet minimum annual operating hours requirements. Existing system must have a nominal cooling capacity of at least 5 tons. Existing system must have a single speed supply fan or motor. Existing systems equipped with a variable frequency drive (VFD) do not qualify. Installed equipment must have a VFD and controller for variable speed fan operation. Installed equipment controls must be listed on BPA qualifying product list: https://www.bpa.gov/-/media/Aep/energy-efficiency/document-library/advanced-rooftop-unit-control-qualified-products-list.pdf	Electric or gas heat rooftop unit. Site received electricity from a participating utility and gas from a non-participating utility. Must have at least 2,500 operating hours.	\$200 per ton
		Electric or gas heat rooftop unit. Sites received electricity and gas from a participating utility. Sites with electric heat must have at least 2,500 operating hours, sites with gas heat must have at least 3,500 operating hours.	\$200 per ton

³ RTU cooling capacities of less than 54 kBtu/h may qualify for both the New RTU with Economizer and New RTU with DCV incentives

⁴ RTU cooling capacities of less than 54 kBtu/h and which serve spaces not required by code to have DCV, may qualify for all of the following three incentives: New RTU with Economizer, New RTU with DCV and New RTU with Supply Fan VFD

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Equipment	Retrofit Requirements		Incentive
Advanced Rooftop Controls (ARC) - Full Retrofit	Business has annual operating hours of at least 500 annual operating hours. Existing system must have a nominal cooling capacity of at least 5 tons. Existing system must have a single speed supply fan or motor. Existing systems equipped with a Variable Frequency Drive (VFD) or a CO ₂ sensor for Demand Control Ventilation (DCV) do not qualify. Installed equipment must have a controller with digital, integrated economizer with either differential dry-bulb or differential enthalpy with fixed dry-bulb high-limit shutoff. Installed equipment must have a controller with DCV with proportional control based on CO ₂ sensor reading. Installed equipment controls listed on BPA qualifying product list: https://www.bpa.gov/-/media/Aep/energy-efficiency/document-library/advanced-rooftop-unit-control-qualified-products-list.pdf	Gas heat rooftop unit. Site received electricity from a non-participating utility and gas from a participating utility	\$300 per ton
		Electric or gas heat rooftop unit. Site received electricity from a participating utility and gas from a non-participating utility	\$300 per ton
		Electric or gas heat rooftop unit. Sites received electricity and gas from a participating utility	\$300 per ton
Air-Cooled Variable Refrigerant Flow (VRF) Multi-Split Ductless Heat Pump	Must be installed in buildings primarily used for retail, offices or school classrooms. Must install dedicated outdoor air supply (DOAS) with energy recovery meeting at least 50% enthalpy recovery efficiency. Each condenser unit must serve multiple ductless indoor evaporator units and must have a rated cooling capacity over 5 tons with variable speed compressor operation. DOAS air must be supplied at a neutral space temperature. Must meet or exceed 2016 CEE Tier 1 air-cooled VRF efficiency levels listed here: https://www.energytrust.org/wp-content/uploads/2018/07/Appendix_A_2016-18_CEE_ComACHP_UnitarySpec.pdf . ⁵ The Majority of indoor unit fans must be set to cycle rather than run continuously during occupied hours. Electric resistance heating should not be used for pre-heating ventilation air.		\$1.00 per sq ft of area served by VRF
	Standard DOAS: Minimum fan efficiency 40% or minimum fan efficiency index target 0.82		
	High Efficiency DOAS: Minimum fan efficiency 65% or minimum fan efficiency index target 1.55		
Steam Trap	Must replace or repair a failed, open existing steam trap. Must be installed on a gas-fired steam boiler system served by participating gas utility. All steam traps in the system must be tested for failure status prior to replacement or repair. All systems must be no greater than 50 psig. For repaired traps, invoices for steam trap repair parts are required. For steam traps at a dry cleaning facility, see Service Shop & Warehouse equipment section.	Replaced steam trap	\$500 each
		Repaired steam trap	\$400 each

⁵ 2016 CEE Tier 1 Air-Cooled VRF efficiency levels listed on pages 4-5 of “Appendix A: 2016 Through Commercial Unitary Air Conditioning and Heat Pumps Specification; Effective January 12,2013 through December 31,2018”.

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Equipment	Retrofit Requirements		Incentive
Commercial Condensing Tank Water Heater	Gas-condensing, storage-type water heater must have an integral tank volume at least 10 gallons. Water heater input capacity must be greater than 75 kBtu/h per water heater. Must have at least 94% thermal efficiency (TE) or recovery efficiency. All building types eligible excluding offices less than 5,500 sq ft and commercial gyms without shower facilities. Additional storage-only tanks may be present. Site must have water heating provided by a participating utility.		\$3.50 per kBtu/h
Commercial Condensing Tankless Water Heater under 200 kBtu/h input	Gas-condensing units must function as central source for domestic hot water (DHW) heating. Water Heater Uniform Energy Factor (UEF) must be at least 0.94. Water heater input capacity must be less than 200 kBtu/h per water heater. Additional hot water storage tanks cannot be added. Approved models must be found here: www.ahridirectory.org .		\$140 each
Commercial Condensing Tankless Water Heater/ Boiler at least 200 kBtu/h input	Gas-condensing domestic hot water (DHW) must not be used for space heating and must serve a central water heating system. Integral tank volume must be less than 10 gallons. Must have at least 94% thermal efficiency (TE). Water heater input capacity must be at least 200 kBtu/h per water heater. All building types eligible excluding offices less than 5,500 sq ft and commercial gyms without shower facilities. Approved models must be found here: www.ahridirectory.org .		\$1.40 per kBtu/h input
Gas-fired High Efficiency Condensing HVAC Boiler	Must have at least 94% efficiency, either Annual Fuel Utilization Efficiency (AFUE) or thermal efficiency. Must have at least 5-to-1 turndown ratio. Must not be a backup boiler. Must be used for HVAC purposes: boilers used for domestic hot water (DHW), pool heating, and "heat adders" that serve water-source heat pump systems do not qualify. Cannot be combined with the Modulating Boiler Burner measure.		\$6.50 per kBtu/h input
Modulating Boiler Burner	Installed as a retrofit on a natural gas-fired boiler used for hydronic heating (HVAC). Boilers used for process heating, domestic hot water (DHW) or pool heat do not qualify. Must have at least 5-to-1 turndown ratio. Must replace a dual stage burner or an on-off burner. Cannot be combined with the Gas-fired High Efficiency Condensing HVAC Boiler measure.		\$10.00 per kBtu/h of burner rated capacity
Commercial Condensing Gas Furnace	Must be primary heating source for the space. Input capacity must be less than 225,000 Btu/h. Must have at least 95% Annual Fuel Utilization Efficiency (AFUE). Must have either multispeed or variable speed Electronically Communicated Motor (ECM) supply fan.	Sites with gas heating, gas and electricity provided by participating utilities	\$8.25 per kBtu/h input
		Sites with gas heating, only gas provided by a participating utility	\$8.00 per kBtu/h input

Existing Buildings

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HVAC and Water Heating Equipment *continued*

Equipment	Retrofit Requirements	Incentive	Equipment
Hydronic Heating Circulator Pumps	Pump motor must be a single speed or variable speed Electronically Communicated Motor (ECM). Limited to in-line circulators with horizontal motors. Site must receive electricity from a participating utility. Applicable to multiple pump motors configured in parallel.	Single Speed ECM: more than 3/4 HP - 2.5 HP or less	\$200 per pump
		Single Speed ECM: more than 2.5 HP	\$300 per pump
		Variable Speed ECM: more than 1/2 HP - 2.5 HP or less	\$300 per pump
		Variable Speed ECM: more than 2.5 HP	\$750 per pump
Commercial Ductless Heat Pump - New or Replacement	May replace any existing heating equipment that is near the end of its useful life (typically 15 years or older) or non-functional. Existing equipment may use any fuel (including but not limited to natural gas, electric, propane, biomass). Eligible spaces include office, retail, and restaurants; total conditioned space must be less than 10,000 square feet. Spaces previously not heated or newly added spaces in an existing building are eligible. Conditioned space served may be part of a larger building, but the space served must also be enclosed and not open to other conditioned spaces. Product efficiency ratings for equipment must be AHRI rated with SEER2 at least 20 and HSPF2 of at least 9.5.		\$300 per ton
Commercial Heat Pump Water Heater (HPWH)	Tank size must be between 40 to 120 gallons. HPWH meets minimum efficiency specifications outlined in the NEEA Advanced Water Heater Specification Version 7.0: https://neea.org/img/documents/Advanced-Water-Heating-Specification.pdf , NEEA qualified product list https://neea.org/img/documents/residential-HPWH-qualified-products-list.pdf https://neea.org/img/documents/qualified-products-list.pdf . Must be installed according to manufacturer's recommendations. Must have a back-up resistance heating element. Water heating must be provided by a participating utility.	Ducted HPWH	\$800 each
		Non-ducted HPWH	\$800 each
Garage Exhaust Ventilation Controls	Installed in fully enclosed parking garage. Variable speed control installed on the parking garage exhaust fan(s) and contamination-sensing device (CO sensors with NO2 sensors) employed. Parking garage operating hours must be at least 140 hours per week.	Spaces less than 30,000 sq. ft., and unconditioned	\$0.50 per CFM
		Spaces at least 30,000 sq. ft. OR conditioned	\$0.10 per CFM
Forced Circulation Generator Block Heater	Generator must be stationary and fixed. The heater must use forced circulation and be installed by manufacturer-certified installer. For retrofit projects, the heater must replace a thermosiphon block heater and must be at least 2.5 kilowatts (kW)	End-of-life Replacement or New Applications 0 – 3.0 kW	\$400 per heater
		End-of-life Replacement or New Applications 3.1 - 9.0 kW	\$1,400 per heater
		Retrofit applications 2.5 - 3.0 kW	\$400 per heater
		Retrofit applications 3.1 - 9.0 kW	\$1,400 per heater

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HVAC and Water Heating Equipment *continued*

Equipment	Retrofit Requirements		Incentive
Commercial Pump Variable Frequency Drive (VFD) - New Pump	Variable Frequency Drive (VFD) must be installed on a commercial pump with nominal motor power up to 20 horsepower (hp). Eligible applications include cooling (includes cooling tower), heating and pressure boost. Replacements due to burn out qualify. Irrigation applications do not qualify (see Irrigation Pump VFD measure).		
	Cooling and Heating applications only	0.50 to 0.75 hp	\$200 per installed VFD
		0.76 to 1.25 hp	\$250 per installed VFD
	All eligible pump applications	1.26 to 1.75 hp	\$300 per installed VFD
		1.76 to 2.5 hp	\$350 per installed VFD
		2.51 to 3.5 hp	\$400 per installed VFD
		3.51 to 4.5 hp	\$500 per installed VFD
		4.51 to 6.0 hp	\$550 per installed VFD
	Heating, Pressure Boost and Cooling Tower applications only	6.01 to 8.0 hp	\$700 per installed VFD
	Pressure Boost or Cooling Tower applications only	8.01 to 12.5 hp	\$800 per installed VFD
		12.51 to 17.5 hp	\$950 per installed VFD
		17.51 to 22.5 hp	\$1,100 per installed VFD
Irrigation Pump Variable Frequency Drive (VFD) - New or Retrofit	Irrigation pumps must be between 2 to 25 horsepower (hp). System must not be equipped with a pressure tank. Retrofit installations must not include an existing Variable Frequency Drive (VFD). Replacements due to failed pumps or pump motors are eligible as new construction		
	Retrofit Pump VFD	2.0 to 4.9 hp	\$1,000 per installed VFD
		5.0 to 7.49 hp	\$2,000 per installed VFD
		7.5 to 9.9 hp	\$3,000 per installed VFD
		10.0 to 14.9 hp	\$3,500 per installed VFD
		15.0 to 19.9 hp	\$4,500 per installed VFD
		20.0 to 24.9 hp	\$5,000 per installed VFD
		25.0 hp	\$6,000 per installed VFD
	New Construction Pump VFD	2.0 to 4.9 hp	\$750 per installed VFD
		5.0 to 7.49 hp	\$1,250 per installed VFD
		7.5 to 9.9 hp	\$1,750 per installed VFD
		10.0 to 14.9 hp	\$2,250 per installed VFD
		15.0 to 19.9 hp	\$2,750 per installed VFD
		20.0 to 24.9 hp	\$3,250 per installed VFD
		25.0 hp	\$3,750 per installed VFD

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HVAC and Water Heating Equipment *continued*

Equipment	Retrofit Requirements	Incentive
Commercial Smart Thermostats	If two or more HVAC systems serve the same open space, temperature setpoints, schedules and dead-bands must match. Temperature setback in heating mode must be at least 10°F below the occupied heating setpoint. Temperature setback in cooling mode must be at least 5°F above the occupied cooling setpoint. Fan schedule set to 'auto' mode during unoccupied hours. Manual setpoint override must be limited to two hours or less. Heat pump with backup resistance heat must enable lock-out with appropriate temperature set-points. For Commercial Smart Thermostats at grocery sites, see Grocery section.	\$400 each

Service Shop and Warehouse Equipment

Equipment	Retrofit Requirements	Incentive
Inverter-Driven Welder	Replacing existing functioning transformer driven welders. Run time of at least 2,000 hours/year (including standby time). Maximum of 25 welders replaced or purchased per site (if 26 welders or more in a single project, please contact Energy Trust). Rated to at least 210 Amps and at least 40% duty cycle. Welders for residential/hobbyist use are not eligible.	\$2,400 each
Forklift Battery Charger	High-frequency charger must have a conversion efficiency of at least 89%. Maximum of 50 chargers replaced per site. Charger(s) must be 24V to 48V designed for a pallet jack or forklift battery. Each charger replaces at least one existing SCR or ferroresonant charger.	\$3,000 each
Steam Trap – Dry Cleaners	Must replace steam trap(s). Existing equipment may be operating or failed. Steam traps repairs are not eligible. Must be installed on a gas-fired steam boiler system served by participating gas utility. Dry cleaner systems must have 75 to 125 psig. Dry cleaner properties must provide details of last steam trap replacement and previous incentives received for steam trap replacement. For other commercial uses, see HVAC and Water Heating.	\$350 each

Solar – *Must be installed by an Energy Trust Solar Trade Ally*

Equipment	Additional Requirements
Solar Electric	Visit www.energytrust.org/solar/ for details, or to discuss incentive opportunities with an Energy Trust Solar Trade Ally

Custom Incentives May Be Available

Energy-efficient equipment not listed may still be eligible for custom incentives. To learn more about these and other incentives, call the Existing Multifamily Program at 1.877.510.2130 or visit our website at www.energytrust.org/multifamily .

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