

INCENTIVES FOR HVAC EQUIPMENT

EQUIPMENT TYPE	SIZE CATEGORY	SUB-CATEGORY	MINIMUM EFFICIENCY REQUIREMENT & CUSTOMER INCENTIVE		
			\$31/ton	\$62/ton	\$93/ton
<b>Unitary Commercial Air Conditioners, Air-Cooled</b> (See note 7)	< 65,000 Btu/hr (single phase)	Split system and single package	--	CEE Tier 2 or ENERGY STAR® Certified	CEE Advanced Tier
	All equipment sizes (three phase)	Split system and single package	--	--	CEE Advanced Tier
<b>Unitary Commercial Air Conditioners, Water Cooled</b> (See note 7)	All equipment sizes	Split system and single package	CEE Tier 1	--	--
<b>Unitary Commercial Air Conditioners, Evaporatively Cooled</b> (See note 7)	All equipment sizes	Split system and single package	--	CEE Tier 1	--
<b>Packaged Terminal Air Conditioners (PTAC)</b>	≤ 7,000 Btu/hr	Single package	14.3 EER	--	--
	> 7,000 Btu/hr and ≤ 15,000 Btu/hr	Single package	12.8 EER	--	--
	> 15,000 Btu/hr	Single package	11.4 EER	--	--
<b>Packaged Terminal Heat Pumps (PTHP)</b> (Heating & cooling mode)	≤ 7,000 Btu/hr	Single package	--	14.3 EER and 4.0 COP	--
	> 7,000 Btu/hr and ≤ 15,000 Btu/hr	Single package	--	12.8 EER and 3.8 COP	--
	> 15,000 Btu/hr	Single package	--	11.4 EER and 3.5 COP	--
<b>Heat Pumps, Air-Cooled</b> (Heating & cooling mode) (See note 3 and 7)	< 65,000 Btu/hr (single phase)	Split system and single package	--	ENERGY STAR® Certified	--
	< 65,000 Btu/hr (three phase)	Split system and single package	--	ENERGY STAR® Certified	--
	≥ 65,000 Btu/hr (three phase)	Split system and single package			--
<b>Heat Pumps, Water-Source</b> (Heating & cooling mode)	< 135,000 Btu/hr	(See note 3)	--	CEE Tier 1	--
<b>VRF Air-Cooled Heat Pumps</b> (Heating & cooling mode) (See note 3 and 7)	< 65,000 Btu/hr	Multisplit system or multisplit system with heat recovery	--	--	ENERGY STAR® certified
	≥ 65,000 Btu/hr and < 135,000 Btu/hr		--	--	ENERGY STAR® certified
	≥ 135,000 Btu/hr and < 240,000 Btu/hr		--	--	ENERGY STAR® certified
	> 240,000 Btu/hr		--	--	ENERGY STAR® certified

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MINIMUM EFFICIENCY REQUIREMENT & CUSTOMER INCENTIVE					
EQUIPMENT TYPE	SIZE CATEGORY	SUB-CATEGORY	\$31/ton	\$62/ton	\$93/ton
<b>VRF Water-Cooled Heat Pumps</b> (Heating & cooling mode) (See note 3)	< 135,000 Btu/hr	Multisplit system or multisplit system with heat recovery	--	--	CEE Tier 1
<b>Heat Pumps, Ground-Source or Groundwater-Source</b> (Heating & cooling mode)	All sizes	See note 3	--	ENERGY STAR® certified	--
<b>Ground-Source or Groundwater-Source Heat Pump Loop</b>	All sizes	Open loop	\$31/ton	--	--
		Closed loop			

MINIMUM EFFICIENCY REQUIREMENT & CUSTOMER INCENTIVE			
EQUIPMENT TYPE	SIZE CATEGORY	SUB-CATEGORY	\$800/ton
<b>Heat Pumps, Air-Cooled, replacing electric resistance heating</b> (Heating & cooling mode) (Retrofit only) (See note 3 and 7)	All sizes	Split system and single package	ENERGY STAR® certified

**Notes for HVAC equipment incentives:**

- Equipment that meets or exceeds the efficiency requirements listed for the size category in the above table may qualify for the listed incentive. Equipment must meet all listed efficiency requirements to qualify for the listed incentives.
- PTHPs can replace electric resistive heating, which must be removed.
- Incentives for heat pumps are available per ton of cooling capacity ONLY. No incentives are paid per ton of heating capacity. Heat pumps must meet both the cooling mode and heating mode efficiency requirements to qualify for per ton cooling efficiency incentives.
- Equipment size categories are specified in terms of net cooling capacity at AHRI standard conditions as determined by AHRI Standard 210/240 for units < 65,000 Btu/hr, AHRI Standard 340/360 for units ≥ 65,000 Btu/hr, AHRI Standard 1230 for VRF systems and AHRI Standard 310/380 for PTAC and PTHP units.
- Ground- and water-source heat pumps must meet or exceed listed efficiency requirements when rated in accordance with ISO-13256-1 to qualify for the listed incentive.
- Efficiency requirements align with the Consortium for Energy Efficiency (CEE) Unitary Air-Conditioning and Heat Pump Specification or ENERGY STAR® for equipment with heating sections other than electric resistance. Minimum efficiency requirements are listed on the Washington energy efficiency program section at [pacificpower.net/wattsmart](http://pacificpower.net/wattsmart).
- Equipment must meet CEE/ENERGY STAR part load efficiency requirements (SEER/SEER2 or IEER/IEER2). Equipment does not need to meet CEE/ENERGY STAR full load efficiency requirements (EER/EER2), as long as the part load efficiency requirement is also specified for the equipment by CEE/ENERGY STAR. If CEE/ENERGY STAR only lists full load efficiency requirements (EER/EER2), then equipment must meet this standard. Additionally, the equipment must meet or exceed state or federal full load efficiency standards, whichever is more stringent.
- Incentives listed in the above table are not available for new construction and major renovation project HVAC systems serving office, retail, library, educational occupancies, and multi-family that are subject to the HVAC total system performance ratio (TSPR) requirement in Washington State Energy Code 2018 or 2021. See new construction/major renovation HVAC equipment incentive table for incentive information.

AHRI = Air-Conditioning, Heating, and Refrigeration Institute  
 COP = Coefficient of Performance  
 EER/EER2 = Energy Efficiency Ratio  
 HVAC = Heating, Ventilation and Air-Conditioning  
 PTHP = Packaged Terminal Heat Pump  
 SEER/SEER2 = Seasonal Energy Efficiency Ratio  
 VRF = Variable Refrigerant Flow

CEE = Consortium for Energy Efficiency  
 HSPF/HSPF2 = Heating Seasonal Performance Factor  
 IEER/IEER2 = Integrated Energy Efficiency Ratio  
 PTAC = Packaged Terminal Air Conditioner  
 TSPR = Total System Performance Ratio



INCENTIVES FOR OTHER HVAC EQUIPMENT AND CONTROLS

EQUIPMENT TYPE	SIZE CATEGORY	SUB-CATEGORY	MINIMUM EFFICIENCY REQUIREMENT	CUSTOMER INCENTIVE
<b>Evaporative Cooling</b>	All sizes	Direct or indirect	--	\$0.07/cfm
<b>Indirect-Direct Evaporative Cooling (IDEC)</b>	All sizes	--	Applicable system components must exceed minimum efficiencies required by energy code	\$0.18/kWh annual energy savings (See note 2)
<b>Chillers</b>	All except chillers intended for backup service only	Serving primarily occupant comfort cooling loads (no more than 20% of process cooling loads)	Must exceed minimum efficiencies required by energy code	\$0.18/kWh annual energy savings (See note 3)
<b>365/366 Day Programmable or Occupancy-based Thermostat</b>	All sizes in portable classrooms with mechanical cooling	Must be installed in portable classroom unoccupied during summer months	365/366 day thermostatic or occupancy-based set back capability	\$187/thermostat
<b>Occupancy-based PTHP/PTAC Control (Retrofit only)</b>	All sizes with no prior occupancy-based control	--	See note 4	\$62/controller
<b>Evaporative Pre-cooler (Retrofit only)</b>	--	For single air-cooled packaged rooftop or matched split system condensers only	Minimum performance efficiency of 75%. Must have enthalpy controls to control pre-cooler operation. Water supply must have chemical or mechanical water treatment.	\$93/ton of attached cooling capacity (See note 5)
<b>Advanced Rooftop Unit Control (Existing RTU)</b>	< 5 ton	Must be installed on existing unitary packaged rooftop units (no split-systems), with constant speed supply fans	Controls must include: - Either a supply fan VFD or multi-speed supply fan motor with controller that meets ventilation and space conditioning needs - Digital, integrated economizer control	\$500
	≥ 5 tons and ≤ 10 tons			\$2,900
	> 10 tons and ≤ 15 tons			\$3,900
	> 15 tons and ≤ 20 tons			\$5,400
	> 20 tons			\$6,000
<b>Advanced Rooftop Unit Control (Existing RTU, demand-controlled ventilation only)</b>	< 5 ton	Must be installed on existing unitary packaged rooftop units (no split-systems)	Controls must include: - Digital, integrated economizer controls that modulate based on occupancy - CO2 or occupancy-based sensor	\$350
	≥ 5 tons and ≤ 10 tons			\$625
	> 10 tons and ≤ 15 tons			\$750
	> 15 tons and ≤ 20 tons			\$875
	> 20 tons			\$1,000
<b>Advanced Rooftop Unit Control (New RTU)</b>	< 5 ton	Must be installed on unitary packaged rooftop units (no split-systems), See note 6	Controls must include: - Either a supply fan VFD or multi-speed supply fan motor with controller that meets ventilation and space conditioning needs - Digital, integrated economizer control	\$200
	≥ 5 tons and ≤ 10 tons			\$1,400
	> 10 tons and ≤ 15 tons			\$2,000
	> 15 tons and ≤ 20 tons			\$2,800
	> 20 tons			\$3,200
<b>Smart Thermostat</b>	Residential (used in a business)		See <a href="#">Home Energy Savings</a> program	

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**Notes for HVAC equipment and controls incentives:**

1. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for the listed incentive.
2. Incentives are paid at \$0.18/kWh annual energy savings. IDEC energy savings subject to approval by Pacific Power.
3. Incentives are paid at \$0.18/kWh annual energy savings. Chiller energy savings subject to approval by Pacific Power.
4. Controller units must include an occupancy-based control and include the capability to set back the zone temperature during extended unoccupied periods and set up the temperature once the zone is occupied.
5. Incentives for evaporative pre-coolers are capped at 70% of energy efficiency project costs, and incentives will not be available to reduce the energy efficiency project simple payback below one year. Energy efficiency project costs are subject to Pacific Power approval.
6. Incentives are not available for new advanced rooftop unit control required by the applicable version of the state energy code.
7. Incentives listed in the above table are not available for New Construction and Major Renovation project HVAC systems serving office, retail, library, and educational, and multi-family occupancies that are subject to the HVAC total system performance ratio (TSPR) requirement in Washington State Energy Code 2018 or 2021. See New Construction/Major Renovation HVAC Equipment Incentive Table for incentive information.
8. Incentives for advanced rooftop unit control are capped at 100% of energy efficiency measure costs, which are subject to Pacific Power approval.

CFM = Cubic Feet per Minute

HVAC = Heating, Ventilation, and Air-conditioning

PTAC = Packaged Terminal Air Conditioner

DCV = Demand-Controlled Ventilation

IDEC = Indirect-Direct Evaporative

PTHP = Packaged Terminal Heat Pump

TSPR = Total System Performance Ratio

INCENTIVES FOR HVAC EQUIPMENT (NEW CONSTRUCTION/MAJOR RENOVATION)

MEASURE	ELIGIBILITY REQUIREMENTS	CUSTOMER INCENTIVE
HVAC Systems	<p>Systems must be installed in office, retail, library, education, and multi-family occupancies where the applicable state energy code is Washington State Energy Code 2018 or 2021 and the Total System Performance Ratio (TSPR) requirement applies.</p> <p>The TSPR must exceed that of the standard reference design specified by the applicable version of the Washington State Energy Code.</p>	\$0.18/kWh

**Notes for HVAC equipment incentives for new construction/major renovation projects:**

1. For HVAC systems serving occupancy types not subject to or exempt from TSPR requirement, see the HVAC Equipment Incentive Table or the Other HVAC Equipment and Controls Incentive Table.
2. Incentives listed as \$/kWh are paid per kWh annual energy savings as determined by Pacific Power.

HVAC = Heating, Ventilation and Air-Conditioning  
TSPR = Total System Performance Ratio