

FinAnswer[®] Express Washington

Incentives for HVAC equipment

Equipment Type	Size Category	Sub-Category	Minimum Efficiency Requirement & Customer Incentive		
			\$25/ton	\$50/ton	\$75/ton
Unitary Commercial Air Conditioners, Air-Cooled (Cooling Mode)	< 65,000 Btu/hr (single phase)	Split system and single package	--		
	< 65,000 Btu/hr (three phase)	Split system and single package	--	CEE Tier 1	CEE Tier 2
	≥ 65,000 Btu/hr (three phase)	Split system and single package	--		
Unitary Commercial Air Conditioners, Water and Evaporatively Cooled	All equipment sizes	Split system and single package	--	CEE Tier 1	--
Packaged Terminal Air Conditioners (PTAC)	≤ 8,000 Btu/hr	Single package	12.2 EER	--	--
	> 8,000 Btu/hr and < 10,500 Btu/hr	Single package	11.9 EER	--	--
	≥ 10,500 Btu/hr and ≤ 13,500 Btu/hr	Single package	10.7 EER	--	--
	> 13,500 Btu/hr	Single package	9.9 EER	--	--
Packaged Terminal Heat Pumps (PTHP) (Heating & Cooling Mode)	≤ 8,000 Btu/hr	Single package	--	12.2 EER and 3.4 COP	--
	> 8,000 Btu/hr and < 10,500 Btu/hr	Single package	--	11.5 EER and 3.3 COP	--
	≥ 10,500 Btu/hr and ≤ 13,500 Btu/hr	Single package	--	10.7 EER and 3.1 COP	--
	> 13,500 Btu/hr	Single package	--	9.8 EER and 3.0 COP	--
Heat Pumps, Air-Cooled (Cooling Mode)	< 65,000 Btu/hr (single phase)	Split system and single package	--		CEE Tier 2
	< 65,000 Btu/hr (three phase)	Split system and single package	--	CEE Tier 1	CEE Tier 2
	≥ 65,000 Btu/hr (three phase)	Split system and single package	--		--
	< 65,000 Btu/hr (single phase)	Split system and single package	--		CEE Tier 2
Heat Pumps, Air-Cooled (Heating Mode) – See note 2	< 65,000 Btu/hr (three phase)	Split system and single package	--	CEE Tier 1	CEE Tier 2
	≥ 65,000 Btu/hr (three phase)	47°F db/43°F wb outdoor air 17°F db/15°F wb outdoor air	--		--

(continued)



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Equipment Type	Size Category	Sub-Category	Minimum Efficiency Requirement & Customer Incentive		
			\$25/ton	\$50/ton	\$75/ton
Heat Pumps, Water-Source (Cooling Mode)	< 135,000 Btu/hr	86°F Entering Water	--	CEE Tier I	--
Heat Pumps, Water-Source (Heating Mode) – See note 2	< 135,000 Btu/hr	68°F Entering Water	--	CEE Tier I	--
Heat Pumps, Ground-Source or Groundwater-Source (Heating & Cooling Mode) – See note 2	All sizes	77°F Entering Water	--	ENERGY STAR [®] qualified	--
Ground-Source or Groundwater-Source Heat Pump Loop	All sizes	Open loop	\$25/ton	--	--
		Closed loop			

Notes for HVAC equipment incentives:

1. 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.
2. 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.
3. 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, and AHRI Standard 310/380 for PTAC and PTHP units.
4. 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.
5. Units rated only with an IPLV may qualify for the listed incentives if the value meets or exceeds the minimum IPLV established as part of the Consortium for Energy Efficiency Commercial Unitary Air Conditioning and Heat Pump Specification effective January 16, 2009.
6. Efficiency requirements align with the Consortium for Energy Efficiency (CEE) Unitary Air Conditioning and Heat Pump Specification for equipment with heating sections other than electric resistance. CEE minimum efficiency requirements are listed on the Washington energy efficiency program section at pacificpower.net/wattsmart.

AHRI = Air-Conditioning, Heating, and Refrigeration Institute
 COP = Coefficient of Performance
 HSPF = Heating Seasonal Performance Factor
 IEER = Integrated Energy Efficiency Ratio
 PTAC = Packaged Terminal Air Conditioner
 SEER = Seasonal Energy Efficiency Ratio

CEE = Consortium for Energy Efficiency
 EER = Energy Efficiency Ratio
 HVAC = Heating, Ventilation and Air-Conditioning
 IPLV = Integrated Part Load Value
 PTHP = Packaged Terminal Heat Pump



Let's turn the answers on.

Incentives for other HVAC equipment and controls

Equipment Type	Size Category	Sub-Category	Minimum Efficiency Requirement	Customer Incentive
Evaporative Cooling	All sizes	Direct or indirect	Industry Standard Rating (ISR)	\$0.06/ISR CFM
Indirect-Direct Evaporative Cooling (IDEC)	All sizes	--	Applicable system components must exceed minimum efficiencies required by energy code	See note 2
Chillers	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	See note 3
Room Air Conditioner	Residential (used in a business)	--	See Home Energy Savings program	See note 5
365/366 Day Programmable Thermostat	All sizes in portable classrooms with mechanical cooling	Must be installed in portable classroom unoccupied during the summer months	365/366 day thermostatic setback capability	\$150/thermostat
Occupancy Based PTHP/PTAC control (retrofit only)	All sizes with no prior occupancy based control	--	See note 4	\$50/controller

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 \$0.12/kwh annual energy savings + \$50/kW average monthly demand savings. IDEC energy and demand savings subject to approval by Pacific Power.
3. Incentives are paid at \$0.12/kwh annual energy savings + \$50/kW average monthly demand savings. Chiller energy and demand savings subject to approval by Pacific Power.
4. Controller units must include an occupancy sensor 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. Refer to Pacific Power's Home Energy Savings program for efficiency requirements and incentives for listed residential appliances used in a business.

CFM = Cubic Feet Per Minute
 ISR = Industry Standard Rating
 IDEC = Indirect-Direct Evaporative Cooling
 PTAC = Packaged Terminal Air Conditioner
 PTHP = Packaged Terminal Heat Pump



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