

Eligible Measures

- Be used for ambient cooling only
- Meet or exceed the minimum efficiency rating required for the equipment type and cooling capacity
- Be installed in a facility owned by a commercial, industrial, governmental or institutional customer of FirstEnergy's Pennsylvania utilities.
- Meet additional technical requirements outlined below.

Flat-rate per unit or per ton capacity incentives are available for:

- Air Conditioners
- Heat Pumps
- Water Source Heat Pump
- PTAC/PTHP

Split & Packaged HVAC Units – Air Cooled

Eligible equipment must meet or exceed both full and part load (if applicable) cooling efficiency requirements as defined in the table below. Cooling capacities (in tons) listed in the table below are Air Conditioning, Heating, and Refrigeration Institute (AHRI) rated capacities. Qualifying split systems must have both a new condenser and a new coil that meets AHRI specifications and where the matched system performance (condenser and coil) meets or exceeds the minimum requirements outlined below. Variable Refrigerant Flow (VRF) systems are eligible to participate under this measure (custom energy calculations will be required in this case).

MEASURE	MINIMUM EFFICIENCY REQUIREMENTS	REBATE	UNIT	QTY	TOTAL
Split & Packaged HVAC ≤ 5.4 tons	16 SEER	\$50	per ton		
	18 SEER	\$100			
Split & Packaged HVAC > 5.4 and < 11.25 tons	11.8 EER and 13.5 IEER	\$125	per ton		
Split & Packaged HVAC ≥ 11.25 and < 20 tons	11.6 EER and 13.0 IEER	\$125	per ton		
Split & Packaged HVAC ≥ 20 and ≤ 63.3 tons	10.5 EER and 12.2 IEER	\$100	per ton		
Split & Packaged HVAC > 63.3 tons	10.2 EER and 11.8 IEER	\$100	per ton		

INCENTIVE SUBTOTAL \$

Split & Packaged HVAC Units – Water Cooled

Eligible equipment must meet or exceed both full and part load (if applicable) cooling efficiency requirements as defined in the table below. Cooling capacities (in tons) listed in the table below are Air Conditioning, Heating, and Refrigeration Institute (AHRI) rated capacities. Qualifying split systems must have both a new condenser and a new coil that meets AHRI specifications and where the matched system performance (condenser and coil) meets or exceeds the minimum requirements outlined below. Variable Refrigerant Flow (VRF) systems are eligible to participate under this measure (custom energy calculations will be required in this case).

MEASURE	MINIMUM EFFICIENCY REQUIREMENTS	REBATE	UNIT	QTY	TOTAL
Split & Packaged HVAC ≤ 5.4 tons	16 SEER	\$50	per ton		
	18 SEER	\$100			
Split & Packaged HVAC > 5.4 and < 11.25 tons	12.7 EER and 12.9 IEER	\$125	per ton		
Split & Packaged HVAC ≥ 11.25 and < 20 tons	13.1 EER and 13.3 IEER	\$125	per ton		
Split & Packaged HVAC ≥ 20 and < 63.3 tons	13.0 EER and 13.2 IEER	\$100	per ton		
Split & Packaged HVAC ≥ 63.3 tons	11.6 EER and 11.7 IEER	\$100	per ton		

Split & Packaged HVAC Units – Evaporatively Cooled

Eligible equipment must meet or exceed both full and part load (if applicable) cooling efficiency requirements as defined in the table below. Cooling capacities (in tons) listed in the table below are Air Conditioning, Heating, and Refrigeration Institute (AHRI) rated capacities. Qualifying split systems must have both a new condenser and a new coil that meets AHRI specifications and where the matched system performance (condenser and coil) meets or exceeds the minimum requirements outlined below. Variable Refrigerant Flow (VRF) systems are eligible to participate under this measure (custom energy calculations will be required in this case).

MEASURE	MINIMUM EFFICIENCY REQUIREMENTS	REBATE	UNIT	QTY	TOTAL
Split & Packaged HVAC ≤ 5.4 tons	16 SEER	\$50	per ton		
	18 SEER	\$100			
Split & Packaged HVAC > 5.4 and < 11.25 tons	13.3 EER and 13.5 IEER	\$125	per ton		
Split & Packaged HVAC ≥ 11.25 and < 20 tons	13.2 EER and 13.4 IEER	\$125	per ton		
Split & Packaged HVAC ≥ 20 and < 63.3 tons	13.1 EER and 13.3 IEER	\$100	per ton		
Split & Packaged HVAC ≥ 63.3 tons	12.1 EER and 12.2 IEER	\$100	per ton		

INCENTIVE SUBTOTAL \$

Air Source Heat Pumps

Eligible equipment must meet or exceed cooling and heating efficiency requirements as outlined in the table below. Cooling capacities (in tons) listed in the table below are Air Conditioning, Heating, and Refrigeration Institute (AHRI) rated capacities. Heat pump systems must be used for both heating and cooling. Qualifying split heat pump systems must have both a new condenser and a new coil that meets AHRI specifications and where the matched system performance (condenser and coil) meets or exceeds the minimum requirements outlined below. Variable Refrigerant Flow (VRF) systems are eligible to participate under this measure (custom energy calculations will be required in this case).

MEASURE	MINIMUM EFFICIENCY REQUIREMENTS	REBATE	UNIT	QTY	TOTAL
Air Source Heat Pump < 5.4 tons – Single Package	16.0 SEER and 8.2 HSPF	\$100	per ton		
Air Source Heat Pump < 5.4 tons – Split System	18.0 SEER and 10.0 HSPF	\$150	per ton		

Water Source, Ground Source And Ground Water Source Heat Pumps

Eligible equipment must meet or exceed cooling and heating efficiency requirements as outlined in the table below. Heat pump systems must be used for both heating and cooling. Cooling capacities (in tons) listed in the table below are Air Conditioning, Heating, and Refrigeration Institute (AHRI) rated capacities.

MEASURE	MINIMUM EFFICIENCY REQUIREMENTS	REBATE	UNIT	QTY	TOTAL
Water to Air: Water Loop < 1.42 tons	12.8 EER and 4.5 COP	\$150	per ton		
Water to Air: Water Loop ≥ 1.42 tons and < 11.25 tons	13.7 EER and 4.5 COP	\$150	per ton		
Water to Water: Water Loop < 11.25 tons	11.1 EER and 3.9 COP	\$150	per ton		
Brine to Air: Ground Loop < 11.25 tons	14.8 EER and 3.4 COP	\$150	per ton		
Brine to Water: Ground Loop < 11.25 tons	12.7 EER and 2.6 COP	\$150	per ton		
Water to Air: Ground Water < 11.25 tons	18.9 EER and 3.9 COP	\$150	per ton		
Water to Water: Ground Water < 11.25 tons	17.1 EER and 3.3 COP	\$150	per ton		

INCENTIVE SUBTOTAL \$

Ductless Mini Split Heat Pumps

Equipment must be ENERGY STAR® certified and must meet or exceed the cooling and heating efficiency requirements outlined in the table below. Cooling capacities (in tons) listed in the table below are Air Conditioning, Heating, and Refrigeration Institute (AHRI) rated capacities. Qualifying split systems must have both a new condenser and a new coil that meets AHRI specifications and where the matched system performance (condenser and coil) meets or exceeds the minimum requirements outlined below. Variable Refrigerant Flow (VRF) systems are eligible to participate under this measure (custom energy calculations will be required in this case). Equipment must be used to meet both the heating and cooling loads of the facility.

MEASURE	MINIMUM EFFICIENCY REQUIREMENTS	REBATE	UNIT	QTY	TOTAL
Ductless Mini Split Heat Pump < 5.4 tons – Single Zone	≥ 12.5 EER, ≥ 20 SEER and ≥ 10.0 HSPF	\$150	per ton		
Ductless Mini Split Heat Pump < 5.4 tons – Multi Zone					

Packaged Terminal Air Conditioners (PTAC)

Eligible equipment must meet or exceed cooling efficiency requirements as outlined in the table below. Cooling capacities (in tons) listed in the table below are Replace with: Air Conditioning, Heating, and Refrigeration Institute (AHRI) rated capacities.

Replacement unit shall be factory labeled as follows: Manufactured for replacement applications only: not to be installed in new construction projects. Replacement efficiencies only apply to units with existing sleeves less than 16 inches in height and less than 42 in width.

MEASURE	SPECIFICATIONS	REBATE	UNIT	QTY	TOTAL
PTAC	Replacement Unit minimum EER: [10.9 – (0.213 x Cap/1000)] x 1.075*	\$100	per ton		
	New Unit minimum EER: [14 – (0.3*Cap/1000)] x 1.075*				

INCENTIVE SUBTOTAL \$

Packaged Terminal Heat Pump Air Conditioners (PTHP)

Eligible equipment must meet or exceed cooling and heating efficiency requirements as outlined in the table below. Cooling capacities (in tons) listed in the table below are Replace with: Air Conditioning, Heating, and Refrigeration Institute (AHRI) rated capacities.

Replacement unit shall be factory labeled as follows: Manufactured for replacement applications only: not to be installed in new construction projects. Replacement efficiencies only apply to units with existing sleeves less than 16 inches in height and less than 42 in width.

MEASURE	SPECIFICATIONS	REBATE	UNIT	QTY	TOTAL
PTHP	Replacement Unit minimum EER: [10.8 – (0.213 x Cap/1000)] x 1.075* Replacement Unit minimum COP: [2.9 – (0.026*Cap/1000)] x 1.075*	\$100	per ton		
	New Unit minimum EER: [14-(0.3*Cap/1000)] x 1.075* New Unit minimum COP: [3.2-(0.026*Cap/1000)] x 1.075*				

*Cap=cooling capacity of the PTAC/PTHP unit.

Miscellaneous Equipment

MEASURE	SPECIFICATIONS	REBATE	UNIT	QTY	TOTAL
ENERGY STAR® Certified Connected Thermostat	Must be ENERGY STAR certified.	\$75			
ENERGY STAR Window Air Conditioner	Eligible window air conditioners must be ENERGY STAR certified and be used only for comfort cooling applications. New installations and replacement projects are eligible.	\$15	ton		
Circulating Pump	Purchase and installation of a new ECM or BPM circulator pump, r/p single speed motor for space heating in a commercial application.	\$25	pump		
Furnace Fan	Eligible equipment is a high efficiency brushless permanent magnet fan motor (BPM or ECM) to replace a permanent split capacitor (PSC) motor	\$25	fan		
HVAC Maintenance	Eligible for documented tune-ups of packaged and split systems up to 20 Tons. All HVAC applications other than comfort cooling and heating, such as process cooling, are defined as non-standard applications and are ineligible for this measure. Rebates available every 10 years for the same piece of equipment.	\$125	packaged/ split system tune-up		

*Cap=cooling capacity of the PTAC/PTHP unit.

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INCENTIVE SUBTOTAL	\$
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