Met-Ed®
Penelec®
Penn Power®
West Penn Power™

FirstEnergy Companies

HVAC Incentives for Business Program

ABOUT

Commercial and industrial customers of FirstEnergy's utility operating companies in Pennsylvania – Met-Ed, Penelec, Penn Power and West Penn Power – can now take advantage of the *HVAC Incentives for* Business program, which offers incentives to encourage the installation of high-efficiency heating, ventilation and air conditioning equipment. Costs of this program are recovered through commercial and industrial rates for Pennsylvania customers of FirstEnergy's Pennsylvania utilities in accordance with Act 129 of 2008.

INCENTIVES

Per-unit, or per-ton incentives for unitary/split A/C systems, packaged terminal systems, heat pumps and chillers that exceed specified efficiency ratings (see reverse for minimum efficiency requirements).

HVAC applications requesting a total incentive of $3,000 or greater will require pre-approval before the purchase and installation of equipment. To qualify, equipment must have been purchased on or after October 28, 2009.

APPLY NOW

For application forms and more information, please visit the ***For Your Business*** section of www.energysavePA.com. Program representatives can be reached via email at energysavePA@saic.com.

Also Available!

FirstEnergy is offering additional programs for commercial and industrial customers. Visit **www.energysavePA.com** for details on Lighting, Motors and Drives and other business programs.

TABLE 1: BASELINE EQUIPMENT EFFICIENCY REQUIREMENTS		
Unitary HVAC/Split Systems	**Cooling Efficiency**	**Heating Efficiency**
Air cooled <65,000 Btu/h,<5.4 tons	13.0 SEER	NA
Air cooled ≥65.000 Btu/h and <135,000 Btu/h, ≥5.4 and <11.25 tons	11.2 EER	NA
Air cooled ≥135,000 Btu/h and <240,000 Btu/h, ≥11.25 and <20 tons	11 EER	NA
Air cooled ≥240,000 Btu/h and <760,000 Btu/h, ≥20 and <63.33 tons	10 EER 10 EER & 9.7 IPLV with capacity modulation	NA
Air cooled ≥760,000 Btu/h, ≥63.33 tons	9.7 EER 9.7 EER & 9.4 IPLV with capacity modulation	NA
Water/evaporatively cooled <65,000 Btu/h,<5.4 tons	12.1 SEER	NA
Water/evaporatively cooled ≥65.000 Btu/h and <135,000 Btu/h, ≥5.4 and <11.25 tons	11.5 EER	NA
Water/evaporatively cooled ≥135,000 Btu/h and <240,000 Btu/h, ≥11.25 and <20 tons	11.0 EER	NA
Water/evaporatively cooled ≥240,000 Btu/h, ≥20 tons	11.5 EER	NA
Air Source Heat Pump Systems (Cooling)	**Cooling Efficiency**	**Heating Efficiency**
<65,000 Btu/h, <5.4 tons	13.0 SEER	7.7 HSPF
≥65.000 Btu/h and <135,000 Btu/h, ≥5.4 and <11.25 tons	11 EER	3.3 COP
≥135,000 Btu/h and <240,000 Btu/h, ≥11.25 and <20 tons	10.6 EER	3.2 COP
≥240,000 Btu/h, ≥20 tons	9.5 EER 9.2 IPLV with capacity modulation	3.2 COP
Water Source Heat Pumps (Cooling)	**Cooling Efficiency**	**Heating Efficiency**
<17,000 Btu/h, <1.42 tons	11.2 EER	4.2 COP
≥17,000 Btu/h, ≥1.42 tons	12.0 EER	4.2 COP
Ground Source Heat Pumps (Cooling)	**Cooling Efficiency**	**Heating Efficiency**
<135,000 Btu/h, <11.25 tons	13.4 EER	3.1 COP
Ground Water Source Heat Pumps (Cooling)	**Cooling Efficiency**	**Heating Efficiency**
<135,000 BTU/h, <11.25 tons	16.2 EER	3.6 COP
Packaged Terminal Systems	**Cooling Efficiency**	**Heating Efficiency**
PTAC – All Capacities (cooling mode)	10.9 - (0.213 x Cooling Capacity / 1000) EER [For Replacement] 12.5 – (0.213 x Cooling Capacity/1000) EER [For New Construction]	NA
PTHP – All Capacities	10.8 - (0.213 x Cooling Capacity / 1000) EER [For Replacement] 12.3 – (0.213 x Cooling Capacity/1000) EER [For New Construction]	2.9 - (0.026 x Cooling Capacity / 1000) COP [For Replacement] 3.2 – (0.026 x Cooling Capacity/1000) COP [For New Construction]

TABLE 1: BASELINE EQUIPMENT EFFICIENCY REQUIREMENTS (continued)				
Chillers	**A. Operating >70% load for 50% or more time**		**B. Operating <70% load for 50% or more time**	
	Full Load	**IPLV**	**Full Load**	**IPLV**
Air cooled <150 tons	9.562 EER	12.500 EER	N/A	N/A
Air cooled ≥ 150 tons	9.562 EER	12.750 EER	N/A	N/A
Water cooled Positive Displacement/Reciprocating <75 tons	0.780 kW/ton	0.630 kW/ton	0.800 kW/ton	0.600 kW/ton
Water cooled Positive Displacement/Reciprocating ≥75 tons and < 150 tons	0.775 kW/ton	0.615 kW/ton	0.790 kW/ton	0.586 kW/ton
Water cooled Positive Displacement/Reciprocating ≥150 tons and < 300 tons	0.680 kW/ton	0.580 kW/ton	0.718 kW/ton	0.540 kW/ton
Water cooled Positive Displacement/Reciprocating ≥300 tons	0.620 kW/ton	0.540 kW/ton	0.639 kW/ton	0.490 kW/ton
Water cooled Centrifugal <150 tons	0.634 kW/ton	0.596 kW/ton	0.639 kW/ton	0.450 kW/ton
Water cooled Centrifugal ≥150 tons and <300 tons	0.634 kW/ton	0.596 kW/ton	0.639 kW/ton	0.450 kW/ton
Water cooled Centrifugal ≥300 tons and <600 tons	0.576 kW/ton	0.549 kW/ton	0.600 kW/ton	0.400 kW/ton
Water cooled Centrifugal ≥600 tons	0.570 kW/ton	0.549 kW/ton	0.590 kW/ton	0.400 kW/ton