

Business Energy Solutions Program



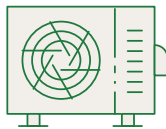
INCENTIVES

Appalachian Power offers cash incentives for energy efficiency improvements that can make your place of business comfortable, productive, and safe. You can help your bottom-line while being an environmental leader with our energy saving tips and programs.

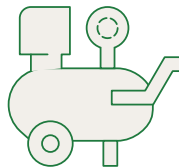
Businesses can receive up to \$25,000 each for lighting and non-lighting projects, for a total of \$50,000. Incentives are available for various projects, including:



LIGHTING



HVAC



COMPRESSED
AIR



REFRIGERATION



KITCHEN
EQUIPMENT

Get started today!

All lighting measures must be DLC or ENERGY STAR® certified and must replace an existing incandescent, fluorescent, CFL, or HID lamp or fixture with equivalent lumens. Retrofit kits shall replace all components of the existing fixture except the outer shell.

Lighting	Description	Incentive
Exit Sign	LED Exit Sign	\$10 each
Controls¹	Occupancy Sensor: Wall, Fixture, or Remote-Mounted	\$60 per sensor
	Daylight Dimming Control	\$60 per sensor
Recessed Downlight	LED Recessed Downlight Luminaire: < 1,500 lumens	\$3 per fixture
	LED Recessed Downlight Luminaire: 1,500 - 2,999 lumens	\$9 per fixture
	LED Recessed Downlight Luminaire: 3,000 lumens or above	\$16 per fixture
Screw-in Omnidirectional	LED Bug, Marine, Infrared: < 1,500 lumens	\$2 per lamp
	LED Bug, Marine, Infrared: 1,500 or above	\$4 per lamp
Screw-in Directional	LED R20 Short (450 - 750 lumens)	\$2 per lamp
Screw-in Decorative	LED Decorative (Shapes B, BA, C, CA, DC, F, G, any base, < 310 lumens)	\$1 per lamp
	LED Globe (any base, <310 lumens)	\$1 per lamp
	LED Globe (any base, G8, G11, G12)	\$3 per lamp
Pin-Based	LED Pin Based: < 1,499 lumens	\$2 per lamp
	LED Pin Based: 1,500 - 2,999 lumens	\$6 per lamp
	LED Pin Based: 3,000 lumens or above	\$10 per lamp
Troffer Luminaire and Retrofit Kit	1 x 4 Tube or Strip LED Troffer	\$6 per fixture
	2 x 2 Tube or Strip LED Troffer	\$6 per fixture
	2 x 4 Tube or Strip LED Troffer	\$12 per fixture
	1 x 4 LED Troffer Retrofit Kit	\$7 per kit
	2 x 2 LED Troffer Retrofit Kit	\$7 per kit
	2 x 4 LED Troffer Retrofit Kit	\$14 per kit
High/Low Bay Luminaire	High-Bay Luminaires: 5,000 - 9,999 lumens	\$13 per fixture
	High-Bay Luminaires: 10,000 - 19,999 lumens	\$25 per fixture
	High-Bay Luminaires: 20,000 - 29,999 lumens	\$50 per fixture
	High-Bay Luminaires: 30,000 - 39,999 lumens	\$75 per fixture
	High-Bay Luminaires: 40,000 lumens or above	\$100 per fixture
Linear Lamp	LED Linear Replacement Lamp: 2 ft	\$5 per lamp
	LED Linear Replacement Lamp: 4 ft	\$10 per lamp
	LED Linear Replacement Lamp: 8 ft	\$15 per lamp
Refrigerated Case Lighting	Refrigerated Case Lighting: 4 ft - Cooler	\$25 per fixture
	Refrigerated Case Lighting: 5 ft - Cooler	\$31 per fixture
	Refrigerated Case Lighting: 6 ft - Cooler	\$37 per fixture
Delamping	Delamping	\$200 per 1,000 Watts Removed

¹ Must control a minimum of 200 Watts

Lighting	Description	Incentive
Exterior Lighting	LED Luminaire: 5,000 - 9,999 lumens	\$13 per fixture
	LED Luminaires: 10,000 - 19,999 lumens	\$25 per fixture
	LED Luminaires: 20,000 - 29,999 lumens	\$50 per fixture
	LED Luminaires: 30,000 - 39,999 lumens	\$75 per fixture
	LED Luminaires: 40,000 lumens or above	\$100 per fixture
Refrigeration	Description	Incentive
ECM Motor Retrofits²	Cooler <0.0667 HP [<1/15 HP]	\$30 each
	Cooler 0.0667 - <0.25 HP [1/15 - <1/4 HP]	\$142 each
	Cooler 0.025 - <0.5 HP [1/4 - <1/2 HP]	\$336 each
	Cooler >0.5 HP [> 1/2 HP]	\$449 each
	Freezer <0.0667 [<1/15 HP]	\$31 each
	Freezer 0.0667 - <0.25 HP [1/15 - <1/4 HP]	\$145 each
	Freezer 0.025 - <0.5 HP [1/4 - <1/2 HP]	\$343 each
	Freezer >0.5 HP [> 1/2 HP]	\$458 each
Anti-Sweat Heater Control³	Anti-Sweat Heater Control: Cooler, On/Off Controls	\$55 per door
	Anti-Sweat Heater Control: Cooler, Micropulse Controls	\$55 per door
	Anti-Sweat Heater Control: Freezer, On/Off Controls	\$66 per door
	Anti-Sweat Heater Control: Freezer, Micropulse Controls	\$66 per door
Automatic Door⁴ Closer	Automatic Door Closer: Cooler	\$57 each
	Automatic Door Closer: Freezer	\$140 each
Vending Machine Controls⁵	Vending Machine control: Refrigerated	\$100 each
	Vending Machine control: Glass Front Refrigerated Cooler	\$100 each
Door Gasket⁶	Door Gasket: Reach-in Cooler	\$5 per linear foot
	Door Gasket: Walk-in Cooler	
	Door Gasket: Reach-in Freezer	
	Door Gasket: Walk-in Freezer	
Night Cover⁷	Night Cover for Vertical Refrigerated Case	\$22 per linear ft
Commercial Freezer⁸	Solid Door Commercial Freezer < 15 cubic feet (AHAM interior volume)	\$120 each
	Solid Door Commercial Freezer 15 - <30 cubic feet (AHAM interior volume)	\$160 each
	Solid Door Commercial Freezer 30 - <50 cubic feet (AHAM interior volume)	\$240 each
	Solid Door Commercial Freezer 50 - 90 cubic feet (AHAM interior volume)	\$360 each
	Glass Door Commercial Freezer < 15 cubic feet (AHAM interior volume)	\$110 each
	Glass Door Commercial Freezer 15 - <30 cubic feet (AHAM interior volume)	\$150 each
	Glass Door Commercial Freezer 30 - <50 cubic feet (AHAM interior volume)	\$230 each
	Glass Door Commercial Freezer 50 - 90 cubic feet (AHAM interior volume)	\$340 each
	Glass Door Chest Freezers any size	\$60 each
	Solid Door Chest Freezers any size	\$60 each

2 Must replace an existing PSC motor. Upgrade should not be installed if existing equipment is near end of its service life or very low efficiency, in which case full equipment replacement is recommended.

3 Must be installed on a commercial glass door cooler or freezer with a standard heated door running 24 hours a day, seven days per week (24/7) with no controls installed

4 Must be installed in unit with no existing auto closer. The walk-in door perimeter must be ≥ 16 feet.

5 Must be installed on an existing standard refrigerated beverage vending machine that does not contain control systems to shut down the refrigeration components and lighting during times of low customer use. This measure can not be applied to ENERGY STAR qualified vending machines as they already have built-in controls.

6 Old and/or damaged gasket must have at least six inches of damage for reach-in units and at least two feet of damage for walk-in units.

7 Must be installed on a unit with no existing night cover.

8 Must be ENERGY STAR certified and replace an existing unit.

Kitchen	Description	Incentive	
Pre-Rinse Spray Valve⁹	Pre-Rinse Spray Valve 1.6 GPM: Electric Water Heating: Full Service Restaurant	\$54 each	
	Pre-Rinse Spray Valve 1.6 GPM: Electric Water Heating: Limited Service (Fast food) Restaurant		
	Pre-Rinse Spray Valve 1.6 GPM: Electric Water Heating: Other Facility		
	Pre-Rinse Spray Valve 1.28 GPM: Electric Water Heating: Full Service Restaurant	Pre-Rinse Spray Valve 1.28 GPM: Electric Water Heating: Limited Service (Fast food) Restaurant	\$75 each
		Pre-Rinse Spray Valve 1.28 GPM: Electric Water Heating: Other Facility	
		Pre-Rinse Spray Valve 1.15 GPM: Electric Water Heating: Full Service Restaurant	\$100 each
		Pre-Rinse Spray Valve 1.15 GPM: Electric Water Heating: Limited Service (Fast food) Restaurant	
	Pre-Rinse Spray Valve 1.15 GPM: Electric Water Heating: Other Facility		
	Commercial Griddle⁸	Electric Commercial Griddle	\$300 each
Commercial Fryer⁸	Electric Fryer: Standard Size	\$144 each	
	Electric Fryer: Large Vat		
Commercial Steam Cooker⁸	Steam Cooker: Steam Generator Baseline	\$735 each	
	Steam Cooker: Boiler Based Baseline		
Commercial Oven⁸	Electric Commercial Ovens: Convection, Half Size	\$50 each	
	Electric Commercial Ovens: Convection, Full Size	\$200 each	
	Electric Commercial Ovens: Combination, Pans <15	\$430 each	
	Electric Commercial Ovens: Combination, Pans ≥15	\$650 each	
Commercial Dishwasher⁸	Dishwasher: Low Temperature Under Counter (Electric hot water only)	\$210 each	
	Dishwasher: Low Temperature Stationary Single Tank Door (Electric hot water only)	\$560 each	
	Dishwasher: Low Temperature Single Tank Conveyor (Electric hot water only)	\$700 each	
	Dishwasher: Low Temperature Multi Tank Conveyor (Electric hot water only)	\$760 each	
	Dishwasher: High Temperature Under Counter (Electric hot water only)	\$220 each	
	Dishwasher: High Temperature Stationary Single Tank Door (Electric hot water only)	\$680 each	
	Dishwasher: High Temperature Single Tank Conveyor (Electric hot water only)	\$890 each	
	Dishwasher: High Temperature Multi Tank Conveyor (Electric hot water only)	\$1,100 each	
	Dishwasher: Pot, Pan, and Utensil (Electric hot water only)	\$430 each	
Compressed Air	Description	Incentive	
Condensate Drains¹⁰	Compressed Air No-Loss Condensate Drains	\$150 each	
VSD Air Compressor¹¹	VSD Air Compressor	\$2,500 each	
Air Nozzle¹²	Air Nozzle	\$25 each	
Thermal Mass Dryer¹³	Cycling Refrigerated Thermal Mass Dryer	\$0.08 per kWh saved	
Storage Tank¹⁴	Storage Tanks for Load/No Load Screw Compressors		
Plant Optimizer	Air Compressor Plant Optimizer		
VFD	Description	Incentive	
VFD for HVAC Application¹⁵	VFD: Fan or Pump	\$75 per HP	
HVAC	Description	Incentive	
Packaged Terminal Heat Pump¹⁶	Packaged Terminal Heat Pump	\$50 each	

8 Must be ENERGY STAR certified and replace an existing unit.

9 Must meet GPM requirements and facility must use electric hot water

10 Requires baseline conditions of compressed air systems with standard condensate drains operated by a solenoid and/or timer

11 Limited to 100 HP or less screw compressor with variable speed control on the motor to match output to the load

12 Must replace continuous open blow-offs. Must meet SCFM rating at 80 psig less than or equal to: 1/8" 11 SCFM, 1/4" 29 SCFM, 5/16" 56 SCFM, or 1/2" 140 SCFM

13 Unit must replace non-cycling (e.g., continuous) air dryer with a capacity of 600 CFM or below. The replacement of desiccant, deliquescent, heat-of-compression, membrane, or other types of dryers does not qualify under this measure.

14 Requires the installation of new air receivers with pressure/flow controls to load/no load compressors with a minimum storage ratio of 4 gallons of storage per CFM

15 Motor(s) being controlled must be 200 HP or less and operate a minimum of 2,000 hours per year. Incentives are available for VFDs only in a retrofit situation where no VFD has been in use previously. Replacement of failed VFDs are not eligible for incentives.

16 Fuel switching is not permitted. PTHPs must be new and exceed Federal Code of Regulations by 10%.