



TAKE CHARGE™

Energy Efficiency Incentives for Industrial Facilities

Appalachian Power Commercial and Industrial Programs help you manage the cost of energy-saving upgrades so you can reduce energy use and lower your energy bills. Rebates of 6¢ per kWh saved are available for interior and exterior lighting, food service equipment and more. Rebates of 12¢ per kWh saved are available for installation of HVAC measures, and 4¢ per kWh saved is available for installation of compressed air measures.

Power rotating equipment for less

If your rotating equipment isn't fitted with variable frequency drives (VFDs), you're missing out on a big opportunity to save energy. Appalachian Power's program provides rebates for installing energy-saving VFDs on the motors that drive your heating, ventilation, and air conditioning (HVAC). Rebates are also available for installing motors that drive your cooling tower fans, chilled or condenser water pumps, hot water pumps, and air compressors.

Reduce costs year round

Inefficient HVAC or chilled water systems can impact the comfort of your building as well as your energy costs. Our program can help you improve these systems by offsetting the cost of installing economizers, high-efficiency chillers, heat pumps, air conditioning units, and ventilation systems (including demand-controlled systems). We can also help you conduct refrigerant charge corrections that can have a big impact on the efficiency of your HVAC units.

Save with lighting technology and controls

Today's lighting technologies can help you reduce energy costs, improve workplace safety and provide a more comfortable environment for your employees. With our lighting upgrade rebates, you can take advantage of the latest lighting sensors and timers, dimmable lighting controls, or efficient, low-maintenance lighting fixtures such as light-emitting diode bulbs (LEDs).

Get creative

Don't limit your imagination. If you have an idea for a project that will reduce energy consumption in your facility, but it doesn't fall into the categories described below (i.e., compressed air system upgrades), you may still be eligible for rebates under Custom Projects. Contact us and we'll help you determine whether your project qualifies.

How will I benefit from an upgrade?

- **Cash rebates reduce upfront costs:** Rebates of 6¢ per kWh help with upfront costs of purchasing and installing energy-efficient equipment.
- **Lower electric bills through reduced electric use:** Upgrading equipment and appliances to high-efficiency reduces electric use, and thus your electric bills.
- **You'll improve your working environment:** Increasing occupants' comfort and safety with newer high-efficiency systems can lead to better productivity.





Common eligible projects include, but are not limited to:

PROJECT	UNIT	ESTIMATED ANNUAL ENERGY SAVINGS (KWH)	ESTIMATED ANNUAL ENERGY COST SAVINGS ¹	REBATE ²
Replace existing 300-ton air-cooled chiller with a new chiller having an IPLV of 13.5	Per chiller	6,416	\$513	\$769
Equipping a 10-horsepower constant volume air-handling unit fan with a variable frequency drive	Per drive	18,140	\$1,451	\$1,088
Equipping a 7.5-horsepower hot-water pump with a variable frequency drive	Per drive	3,373	\$269	\$202
In a parking lot, replacing 400-watt metal halide lamps with 100-watt exterior LEDs	Per fixture replaced	1,372	\$110	\$82
Replacing a 400-watt metal halide lamp with a fluorescent, high-output, 6 lamp, 4' T5 fixture	Per fixture replaced	522	\$42	\$31
Replacing a 250-watt metal halide exterior wall pack with a 78-watt LED wall pack	Per fixture replaced	832	\$67	\$50
Replacing high-output T12 8' 2 lamp with 2 8' 36-watt LED lamps	Per fixture replaced	429	\$34	\$26
Replacing 400-watt metal halide with 160-watt LED	Per fixture replaced	1,453	\$116	\$83

Electric cost savings are calculated based on a rate of \$0.08 per kWh
² Rebates will vary based on facility type and hours. Consult a program engineer for information.

Eligibility

You must be a non-residential customer with facilities located in Appalachian Power's or American Electric Power's service territories.

Participation is simple

- 1 Utilize our application portal or download the application at TakeChargeWV.com/business.
- 2 All projects require pre-approval from program staff prior to installation. After pre-approval, installation may begin. Within 90 days of project approval, the applicant must complete the project or request and receive another 90-day waiver. After installation is complete, submit your completed application form with product specifications, dated invoices and installation date(s) to:

Email

takecharge-business@clearesult.com

Mail

Take Charge Business Program
 3100 West Road, Building 3, Suite 200
 East Lansing, MI 48823

- 3 After the project is complete (and in some cases inspected and verified), an incentive check will be sent to the facility owner's specified recipient.

See the wide variety of energy efficiency programs offered to you by **Appalachian Power** at TakeChargeWV.com

Questions?

Call **888-261-4567**, visit TakeChargeWV.com/business or email takecharge-business@clearesult.com.



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