



TAKE CHARGE™

Energy Efficiency Rebates for Educational Facilities

Appalachian Power Commercial and Industrial Programs help you manage the cost of energy-saving upgrades with rebates of 6¢ per kWh saved for interior and exterior lighting and food service equipment. Rebates of 12¢ per kWh saved are available for installation of HVAC measures.

Light your campus for less

Upgrading to high-efficiency interior and exterior lighting systems will help you save energy and reduce maintenance costs. The long-term savings offsets the initial cost of many of the upgrades, such as installing automatic lighting controls, replacing T12 and T8 lamps with LED and T5 lighting measures.

Save big with HVAC improvements

HVAC systems account for 46 percent of the electricity consumed by higher educational institutions in the U.S. each year. In most K-12 schools, efficient lighting technologies can reduce energy costs by about 30 percent. We aim to help you offset the initial cost of energy-saving upgrades, such as ductless heat pumps and demand-controlled ventilation systems, so that you can enjoy the many benefits of energy-efficient equipment and consume less.

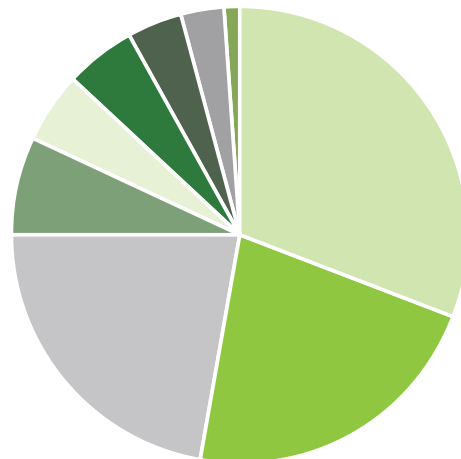
Serve lunch with a side of savings

Serving thousands of meals every day, you can achieve greater long-term savings when you upgrade to an ENERGY STAR® commercial kitchen, which can include high-efficiency refrigerators, freezers and more.

How will I benefit from an upgrade?

- **Cash rebates reduce upfront costs:** Rebates help with upfront costs of purchasing and installing energy-efficient equipment.
- **Reduce energy bills:** Upgrading equipment and appliances to high-efficiency equipment reduces electric use, and thus your electric bills.
- **Improved living and learning environments:** Increasing student and faculty comfort and safety with newer high-efficiency systems can lead to better productivity and student success.

AVERAGE ELECTRICITY USE IN EDUCATIONAL FACILITIES



LIGHTING: 31%	REFRIGERATION: 5%
VENTILATION: 22%	SPACE HEATING: 4%
COOLING: 20%	WATER HEATING: 3%
COMPUTER EQUIPMENT: 8%	OFFICE EQUIPMENT: 1%
OTHER: 6%	

Source: E-source



Common eligible projects include, but are not limited to:

PROJECTS	UNIT	ESTIMATED ANNUAL ENERGY SAVINGS (KWH) ¹	ESTIMATED ANNUAL ENERGY COST SAVINGS	REBATE ²
Variable frequency drive (VFD) for a 7.5-HP hot-water pump	Per drive	9,636	\$770	\$578
VFD for a 10-HP air-handling unit fan	Per drive	17,033	\$1,362	\$1,022
Replacing a 400-watt metal halide exterior lamp with a 92-watt exterior LED	Per fixture replaced	1,403	\$112	\$84
Replacing a 250-watt metal halide exterior wall pack with a 78-watt LED wall pack	Per fixture replaced	832	\$67	\$50
Calculate savings of replacing a T8 instead of T12 fixture	Per fixture replaced	524	\$42	\$31
Calculate savings of replacing a T8 lamp with an LED fixture	Per fixture replaced	142	\$11	\$9

¹Lighting operating hours were taken from the Pennsylvania Technical Reference Manual (TRM).
²Rebates 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 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@cleareresult.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**, or visit TakeChargeWV.com/business or email takecharge-business@cleareresult.com.



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