



TAKE CHARGE

Case Study: Simple Savings

An environmental agency saved big, thanks to Appalachian Power rebates.

\$28,376

Rebates Paid

\$33,105

Annual Savings

3 year

Payback Period with Rebates

472,938

Annual kWh Savings

The Opportunity

When it came time to cut energy, West Virginia Department of Environmental Protection (WVDEP) decided to keep it simple. The agency wanted to complete an easy lighting upgrade at two of their facilities, and reached out to the Appalachian Power Commercial & Industrial Program to complete the project and deliver rebates.

The Project

Though the project was simple, it definitely wasn't small. WVDEP had a total of 10,000 florescent lamps, HID lighting and CFL that were all upgraded to LED lighting in their Kanawha City headquarters. In addition, the agency had LEDs installed in the new Fayetteville office. To save even more energy and avoid waste, the lighting removed from WVDEP's headquarters is being used in other buildings.

The Results

Given how large the project was, it's no surprise the savings were significant. WVDEP is estimated to save \$33,105 and 472,938 kWh annually. The agency also received \$28,376 in rebates from Appalachian Power, putting the project payback period at only three years.

Now, the WVDEP facilities are more comfortable and efficient, and the agency can reinvest the savings back into the state.

Environmental Impact

According to U.S. Environmental Protection Agency calculations, energy saved by WVDEP equates to:



862,668

miles driven by an average passenger vehicle



38

homes' yearly energy use



This project shows how the simplest changes can make a huge difference both for the amount of energy that is consumed and how much money is spent by the state."

Austin Caperton,
Cabinet Secretary,
WVDEP



To learn more about how the Commercial & Industrial Program can help your company, visit [TakechargeWV.com/business](https://www.takechargewv.com/business).