



TAKE CHARGE

Case Study: Marshall University

Commercial and Industrial Program

\$177,797
Rebates Paid

\$62,849
Estimated Annual Savings

2,539,974
Annual kWh Savings

The Opportunity

When Marshall University decided to save energy, they didn't ease into it—they went all in.

The university—which has campuses across West Virginia—became convinced of the benefits of energy efficiency after reading a paper from a graduate student who recommended upgraded lighting throughout the main campus. Working closely with Appalachian Power, Marshall moved forward with the project—the first of a multi-campus upgrade.

The Project

Marshall University took lighting retrofit to a whole new level by installing LED cans, bulbs, fixtures, tubes and wall packs in Smith Hall, Morrow Library, Drinko Library and Corbly Hall. Lighting types ranged from metal halides to T-8s, with up to 36 watts per bulb. The retrofit literally lit up the campus with savings.

The Results

If it only takes one LED bulb to save, imagine the impact of the 18,009 bulbs Marshall University installed.

The lighting upgrades are estimated to save the university \$62,849 and 2,539,974 kWh annually. That, combined with \$177,797 in rebates from Appalachian Power, puts the project payback period at under two and a half years. All of these savings can now be re-invested in education.

But the project goes beyond savings. These upgrades also improved the work environment for students and staff by boosting comfort and safety on campus. And with several more upgrades planned, the benefits have only just begun.

Turns out going all in really does pay off.

To learn more about how the Commercial and Industrial Program can help your school save, visit TakeChargeWV.com/business.



With the new lighting campus is more vibrant and looks safer throughout the night.

Derek Rankin
Student



Environmental Impact

The kWh savings are equivalent to the energy used by:



66.6
homes in one year



1,512,265
miles driven by an average passenger vehicle