



Energy
Intelligence.
EmPower It.™

Why having an “energy smart” campus matters.

ENERGY IS PRECIOUS. LET'S NOT WASTE IT.



INTELLIGENT USE OF ENERGY MAKES DOLLARS AND SENSE

Energy efficiency is a *financial* decision.

By using energy intelligently, you can save money for your campus that goes directly to the bottom line. Take advantage of incentive programs through AEP Ohio. Since 2009, AEP Ohio has been offering these programs to colleges and universities to help improve energy efficiency and campus savings!

OUR VALUE PROPOSITION



The nation's education institutions spent almost \$14 B annually on energy. Present strategy and technology allows these institutions the opportunity to **reduce energy spending by 30% or more.**



By improving energy efficiency, colleges and universities can distinguish themselves as environmental leaders. They can save money for repair and renovation, hiring of new faculty, new construction and other core activities.



Environmentalism and sustainability are factors in attracting top talent to colleges and universities. *The Princeton Review*, the Sustainable Endowment Institute, and the Sierra Club publish rankings of “green” and “eco-enlightened” colleges.

YOUR CAMPUS ENERGY-SAVING CHECKLIST

Use this handy checklist to discover measures and programs available to help you take control of energy and costs on your campus.

1

Prescriptive and Custom Programs

Are your lighting systems older than your students? Upgrade inefficient lighting and lighting controls in offices, classrooms, auditoriums, dormitories, field houses, parking garages and parking lots. Efficient lighting upgrades can save up to 30% of existing lighting energy costs, and maintenance savings can exceed energy savings.

Is it time to upgrade your HVAC? Replace inefficient rooftop units and chillers, add drives to ventilation motors, and install Energy Management Systems.

2

New Construction and Major Renovation

Is your campus planning new construction or renovation? Both the designer and building owner may qualify for incentives—based on using energy-efficient design in:

- New construction
- Renovation of existing buildings

3

Data Centers

Are your campus data centers using energy efficiently within a tight budget?

Incentives are offered for energy-saving measures, such as:

- Air flow management
- UPS upgrades
- Server and storage optimization

4

Retro-commissioning

Do many of your campus buildings need periodic tune-ups? Consider doing retro-commissioning. This is a building tune-up in which operations experts work with facility managers to optimize a building's performance. Incentives can cover the cost of assessment.

Do certain buildings operate 24/7 and must they comply with codes or regulations? Through retro-commissioning, campuses may save up to 15% each year on energy.

Some opportunities include:

- Optimizing HVAC system controls
- Adjusting central systems

5

Self-Direct

Was there a facilities renovation or project on your campus in the last three calendar years? Most colleges and universities in Ohio qualify for incentives for past projects during this timeframe. Incentives for past energy-saving projects are a great way to fund others in the future.



It's easy to get started. Contact your AEP Ohio account manager, or call 1-877-AEP-3657 (1-877-237-3657).

SUCCESS STORIES

MARIETTA COLLEGE

Metal halide lighting fixtures were replaced with efficient – and quiet – six-lamp T5 lights that produced a brighter, more pleasant appearance in Dyson Baudo Recreation Center (DBRC) and Fenton Court (a basketball court contained within the DBRC).

Building type: Recreational Facility
Measures implemented: Lighting
Total project cost: \$46,732

Projected annual energy savings: 292,000 kWh
(over \$30,000 saved in annual energy cost)
Incentives paid: \$22,577

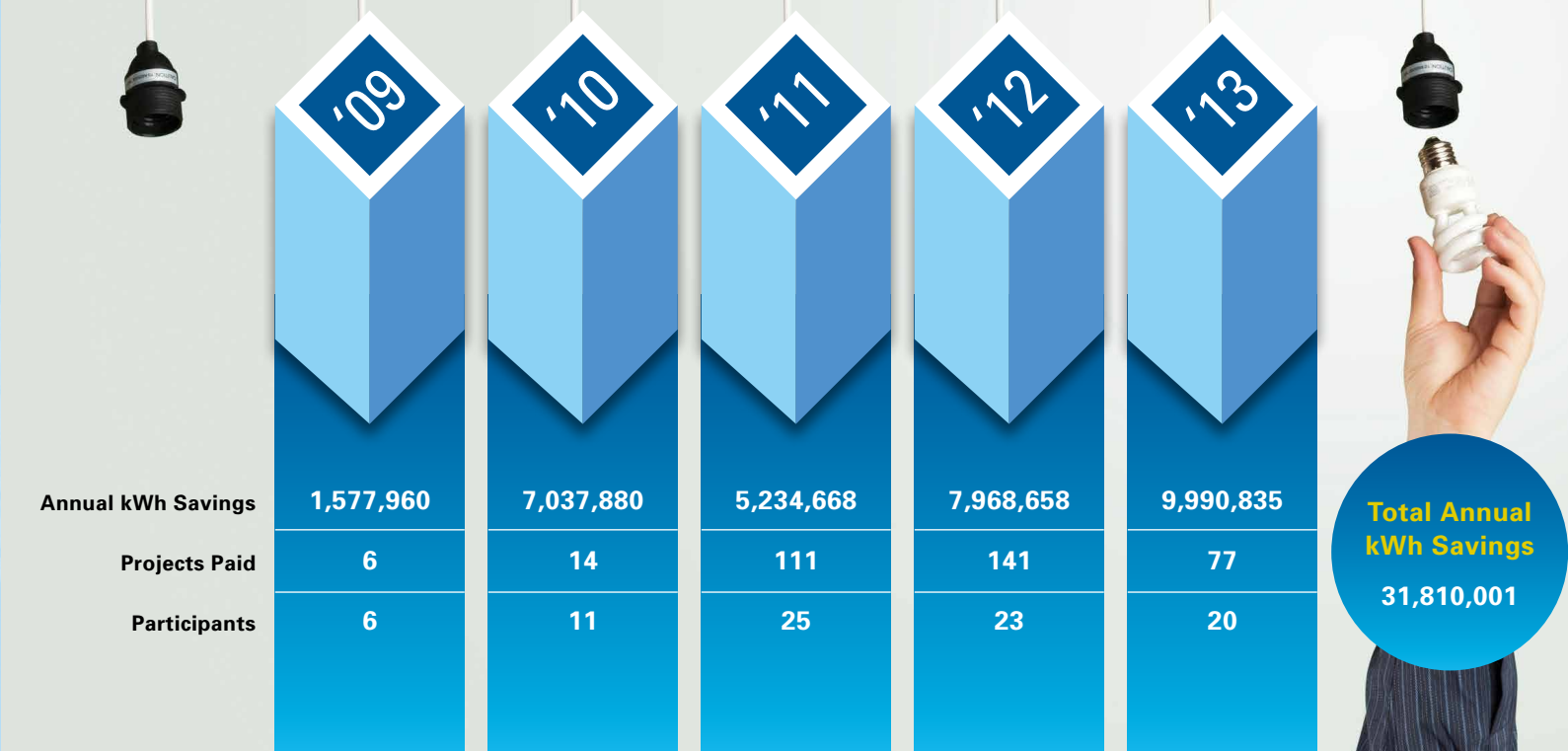
ZANE STATE UNIVERSITY

An illumination study at Zane State found that its lighting system was wasting energy, and that the layout/configuration needed to be changed. The university arranged for a lighting retrofit at its College Hall and Health Science facility. This involved retrofitting four-lamp T12 lamps and magnetic ballasts to three-lamp T8 lamps with electronic ballasts. Plus, an efficient, air-cooled chiller was added during an HVAC upgrade.

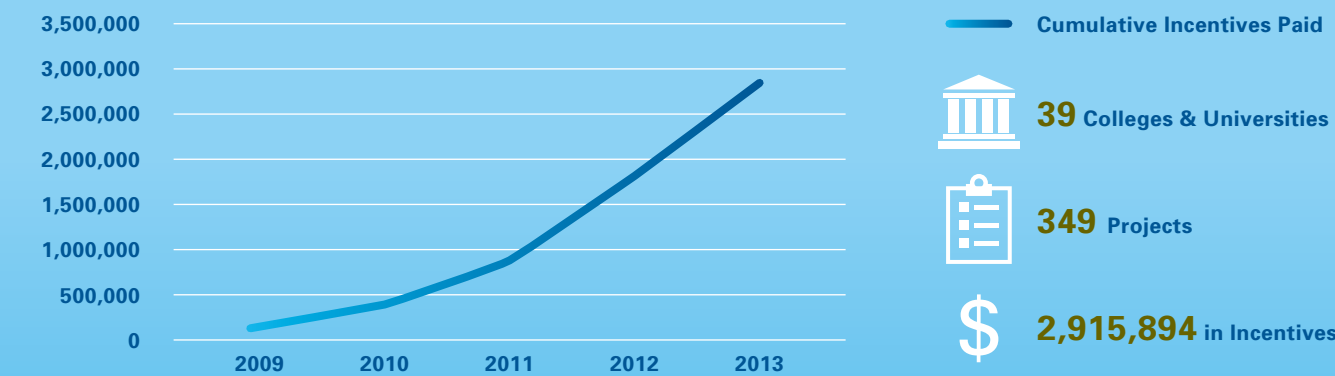
Building type: Administration / Classroom
Measures implemented: Lighting and HVAC
Total project cost: \$71,420

Projected annual energy savings: 237,986 kWh
(over \$25,000 saved in annual energy cost)
Incentives paid: \$20,141

ANNUAL kWh SAVINGS



CUMULATIVE INCENTIVES PAID



For more details and “success stories,” go to AEPOhio.com/Solutions.
Contact your AEP Ohio account manager or call 1-877-AEP-3657 (1-877-237-3657);
or email AEPOhioSolutions@AEP.com.

