

# Savings for Educational Facilities

NIPSCO ENERGY EFFICIENCY PROGRAMS FOR BUSINESSES



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## Overview

### K-12

In the U.S., K-12 school districts spend nearly \$8 billion on energy each year with lighting, cooling and computers being the top electricity consumers.<sup>1</sup> By implementing energy-efficient upgrades and making changes to their operations and maintenance routines, these learning environments can be improved substantially making them a more productive place to learn.

### Colleges & Universities

The average U.S. higher-education building sized around 50,000 ft<sup>2</sup> consumes more than \$100,000 worth of energy each year.<sup>1</sup> According to the U.S. Energy Information Administration, more than half of electricity used in these facilities goes toward lighting, ventilation, computers and cooling equipment. By making cost-effective improvements, colleges and universities can cut their energy bills by 30% or more.<sup>1</sup>

By being more energy-efficient, educational facilities can protect their bottom line, reduce carbon emissions, purchase new equipment with their savings and continue providing a productive learning space to educate the world's future leaders.

<sup>1</sup>[source.bizenergyadvisor.com](https://www.RESOURCE.BIZENERGYADVISOR.COM)

## Easy Steps to Save Energy

- ✓ Educate the staff and develop checklists to turn off technologies and appliances, including kitchen equipment, when not in use.
- ✓ Recruit student volunteers and/or custodial staff to monitor and turn-off equipment and appliances when not in use. Create "Turn it off" signage to serve as a reminder!
- ✓ Install smart power strips with built-in occupancy sensors to shut off technology, such as printers and copiers, when rooms are empty.
- ✓ Ensure computer and monitor power management settings are always enabled.
- ✓ Create a schedule for weekends and holiday breaks to ensure appliances that are not used are turned off.
- ✓ Install smart or programmable thermostats to automatically adjust temperature settings when the facility is not in use.
- ✓ Install automatic lighting controls such as occupancy sensors, timers, photosensor controls and dimmers.
- ✓ Create schedules for annual inspections of HVAC systems, maintenance and cleanings as well as quarterly filter changes.
- ✓ Contact an approved **Retro-Commissioning (RCx)** provider to identify energy-saving opportunities throughout your building.

## Top Energy Uses

-  Heating & Cooling
-  Lighting
-  Ventilation & Air Handling
-  Building Automation Systems
-  Electronics & Office Equipment
-  Water Heating

NIPSCO's energy efficiency programs are administered by TRC, a third-party implementation specialist that helps homes and businesses save energy.

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**NIPSCO**  
Energy Efficiency



## Hebron High School Scores High on Lighting Savings




### Hebron, Indiana

- Incentives Earned: **\$20,562**
- Total kWh Saved: **190,417 kWh**
- Final Project Cost\*: **\$53,582**
- 1st Year ROI\*: **51%**
- Payback\*: **1.97 Years**

**Upgrades included:** LED Lighting

\* With incentive

### Saving 190,417 kWh, is equal to:

-  **31.6 vehicles** removed from the road
-  **265.8 homes** powered for one month
-  **51.5 tons** of landfill CO<sub>2</sub> emissions eliminated

## Hammond School's Career Center Brightens its Future




### Hammond, Indiana

- Incentives Earned: **\$5,061**
- Total kWh Saved: **61,813 kWh**
- Final Project Cost\*: **\$870**
- 1st Year ROI\*: **872%**
- Payback\*: **.11 Years**

**Upgrades included:** LED Lighting

\* With incentive

### Saving 61,813 kWh, is equal to:

-  **10.3 vehicles** removed from the road
-  **86.3 homes** powered for one month
-  **16.7 tons** of landfill CO<sub>2</sub> emissions eliminated

## Grace College Upgrades its Dining Hall




### Winona Lake, Indiana

- Incentives Earned: **\$9,056**
- Total kWh Saved: **96,820 kWh**
- Total Therms Saved: **1,301 therms**
- Final Project Cost\*: **\$13,656**
- 1st Year ROI\*: **85%**
- Payback\*: **1.17 Years**

**Upgrades included:** LED Lighting, HVAC, Furnace

\* With incentive

### Saving 96,820 kWh and 1,301 therms, is equal to:

-  **17.9 vehicles** removed from the road
-  **150.7 homes** powered for one month
-  **29.2 tons** of landfill CO<sub>2</sub> emissions eliminated

## Get Started Saving!

Now that you know more about what to upgrade, visit [trcsavesenergy.com/TradeAlly/TradeAllySearch](https://trcsavesenergy.com/TradeAlly/TradeAllySearch) to find an experienced contractor or contact a TRC Field Engineer in your area by visiting [trcsavesenergy.com/Home/ContactUs](https://trcsavesenergy.com/Home/ContactUs) or calling TRC at **1-800-299-2501**.