Energy-Saving Technology: Building Controls

NIPSCO ENERGY EFFICIENCY PROGRAMS FOR BUSINESSES

LEARN MORE

Building Controls: Occupancy Sensors, Lighting and HVAC Controls Can Help Ease Building Operations

Building controls refer to systems and technologies that help regulate and manage various aspects of a building's environment, such as heating, ventilation, air conditioning (HVAC) and lighting. According to the U.S. Department of Energy, integrating sensors and controls into most commercial buildings can save as much as an estimated 29% of site energy consumption. These savings are often achieved through high-performance sequencing of operations, optimizing settings based on occupancy patterns and detecting and diagnosing inadequate equipment operation or installation problems.

In addition, building controls can help buildings comply with regulatory requirements related to energy efficiency, environmental sustainability and indoor air quality standards. They also generate valuable data and analytics of the building's energy usage and performance, which provides even more opportunities for future optimization and efficiency improvements.

Saving energy by improving the efficiency of lighting and HVAC technologies and integrating controls can reduce energy consumption and costs, improve environmental performance and create a better indoor environment for building occupants. Overall, building controls play an important role in creating smarter, more efficient and sustainable buildings for occupants and building owners.

Click or scan to explore the full list of NIPSCO's 2025 energy-saving measures.

What are the potential benefits of building controls?

- Saves money with lower monthly energy usage
- Increases control and flexibility of temperature and lighting settings
- Provides improved air quality for building occupants
- Grows value and optimizes the building's design
- Become a cutting-edge environmental leader and reduce the building's carbon footprint
- Simplifies the day-to-day operations and responsibilities of building managers
- Increases comfort and productivity in the workplace
- Promotes remote monitoring and management

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

Final_20250101

NIPSCO Energy Efficiency

Opportunities to Utilize Control Systems in Your Building

This is just a short list of all the possibilities. To learn more, contact us today.

Lighting controls automatically turn lights off when they're not needed. Controls reduce light levels when full brightness isn't necessary and can be scheduled to control the lighting in and around your building.

Occupancy sensors can communicate with the building's automation system to adjust HVAC settings — as needed — depending on the occupancy status of the space.

Smart thermostats allow personalized scheduling to provide precision temperature control. Thermostats can be paired with other smart devices, such as a phone, for easy scheduling and adjustments.

Remote refrigeration temperature monitoring tracks data to ensure preset limits are upheld. The sensors notify users of temperature changes in cases of equipment failure or if a door has been left open.

Get started saving!

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

Local High School Improves Educational Environment with Building Controls

Through the NIPSCO Energy Efficiency Program, one local school administration **earned $22,521 in cash incentives** by enhancing their building's energy efficiency while improving their student's learning environment. Their program-approved Trade Ally installed a new chiller plant with variable speed pumps and vertical unit ventilators to enhance indoor air quality in the classrooms. Additionally, inefficient lighting found throughout the school was replaced with energy-efficient LED lighting. Installed occupancy controls automatically allow lighting to turn off when not in use. These improvements are projected to result in **annual energy cost savings of approximately $32,166** and a total of **214,440 kWh annual savings**.

Saving 214,440 kWh, is equal to:

- **35.6 vehicles** removed from the road
- **299.3 homes** powered for one month
- **58.0 tons** of landfill CO_2 emissions eliminated

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

Final_20250101

NIPSCO Energy Efficiency