

For your business

IU Health Methodist Case Study

The opportunity

Located in Indianapolis, Indiana, Indiana University Health Methodist Hospital is a leading healthcare provider in the region and the nation. As the largest hospital in Indiana and one of only four regional Level I Trauma Centers, it is crucial to have an energy efficiency strategy in place to ensure that the facility runs smoothly and sustainably.

While the energy team has already implemented several efficiency measures over the last few years, IU Health reached out to AES Indiana for assistance in achieving their goal of reducing GHG emissions by 50% by 2030. To improve efficiency and reduce energy costs, IU Health Methodist underwent an energy scan with the help of AES Indiana's Strategic Energy Management (SEM) program. This helped them identify and implement no-cost and low-cost operational, maintenance, and behavior changes that can help reduce energy consumption.

The project

SEM is a yearlong program that provides a statistical model for tracking performance and forecasting to help move the company's culture toward sustainability by reducing energy costs and greenhouse emissions.

The program provided training, best practice sharing between hospitals, and engineering support for the hospital to succeed through workshops, coaching and assistance with all AES Indiana incentive offerings.

The primary energy efficiency project completed for the hospital was an upgrade to the controls and hardware on a plate and frame heat exchanger designed to provide free cooling during the fall shoulder months. It was a significant commitment in time and resources by the energy team and allowed time for the shutdown of all six chillers when outside conditions for temperature and humidity were appropriate.

The results

Participation in the SEM program provided an energy model resource and opportunities to receive incentives for its efficiency improvements. Since 2008, IU Health Methodist has reduced their GHG emissions by 52%.

There were other low cost and no-cost savings activities related to constant monitoring and fine tuning its building management system (BMS). IU Health Methodist continues to have significant potential for saving energy. The energy team at IU Health continues to meet monthly and track energy efficiency projects while also monitoring both external weather and internal patient requirements to minimize energy waste.

"The SEM program along with the AES Indiana incentive and rebate programs have helped IU Health encourage participation in our sustainability goals and initiatives, reduce energy consumption and reduce operating costs."

- Dwight Klippel, Energy, Utilities, & Sustainability Consultant, Energy Consultants Inc



Project fast facts:

1,779,830 kWh

Estimated annual energy savings

\$177,983

Estimated annual cost savings*

\$35,596.60

AES Indiana incentives paid to customer

*Calculated at an estimated rate of \$0.10 per kWh.

AES Indiana's Strategic Energy Management (SEM) program offers non-residential customers a list of energy waste reduction options to reduce energy costs and greenhouse gas emissions. To help reduce energy consumption, the SEM program helps to identify and implement no-cost and low-cost operational, maintenance and behavior changes through a series of workshops and coaching.

Have more questions?

To learn how your business can benefit from AES Indiana's Strategic Energy Management program, please visit aesindiana.com/strategic-energy-management.