

# Evansville Regional Airport Case Study

## Terminal Modernization Project

Evansville Regional Airport (EVV) is a gateway to Southwest Indiana and the Midwest United States. The airport, which has an economic impact of over \$900 million, has seen annual traffic grow by nearly 7% in 2018 to over a quarter-million enplanements - a 35% increase in just four years. The airport's terminal, built in 1988, underwent significant remodeling to reflect the region's economic growth, enhance traveler experience and advance sustainability efforts. The project was completed in December 2018, and by participating in the Vectren, a CenterPoint Energy Company, Business Custom program and Energy Design Assistance program, EVV was able to upgrade its terminal through energy efficiency.



## Vectren Programs

The Electric and Natural Gas Business Custom Programs, implemented by Nexant, are designed to help business customers make sensible, energy efficient decisions which reduce energy usage and operating costs. The program offers incentives based on electric and natural gas energy savings for qualified energy efficiency projects that are complex or unique. Program staff custom-calculate each project's energy savings and incentive. Once the project is complete and savings are verified, the customer receives a check to help offset the project cost.

The Evansville-Vanderburgh Airport Authority leveraged the Energy Design Assistance program to accomplish efficiency and enhanced customer experience, simultaneously. The program includes services and financial incentives to support energy efficient design work for eligible new construction or major renovation projects. The design team, comprised of the owner, architect, engineers, the general contractor and energy expert, identifies energy efficient opportunities during the conceptual design phase of the project. The energy expert helps identify savings and coordinates with the program to maximize incentives.



The Trusted Source on **Energy Efficiency**

## Results

Participation in the Business Custom Program gave EVV the opportunity to make efficiency upgrades at a more affordable cost. LED lighting with motion sensors was installed throughout the interior, which reduced the amount of lighting power required. New exterior LED lighting along with an advanced control system was installed allowing the lighting to dim when no traffic is detected. Efficiency measures also included the installation of two new high efficiency condensing boilers and new high efficiency kitchen equipment. Evansville-Vanderburgh Airport Authority captured **a total of \$56,582.39 in incentives** for these technologies, delivering **annual cost savings of \$59,959.**



Terminal, before program



Terminal, after program

Total Project Cost

**\$655,160.17**

Total Incentive

**\$56,582.39**

Demand Savings

**49.5 kW Annually**

Electric Savings

**621,984 kWh Annually**

Natural Gas Savings

**6,597 therms Annually**

Cost Savings

**\$59,959 Annually**

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