

Ameren Missouri BizSavers® Program Energy Savings Case Study

Drury Hotels

Every year, the average hotel uses \$2,196 of energy per available room. With more than 150 Drury hotels across the country, that adds up quickly! With difficult-to-control variables like guests' lighting, cooling and HVAC usage, costs can fluctuate wildly. To help keep energy usage and costs down, Drury Hotels took advantage of a variety of energy-saving upgrades for their hotels which earned the company more than **\$225,000** in Ameren Missouri BizSavers incentives and reduced their annual energy costs by more than **\$155,000!**

Project Summary

In all of its hotels, Drury has replaced thousands of fluorescent and HID lamps, improving light quality and reducing costs. Participating in Ameren's new construction incentive program, both the Drury Plaza in Cape Girardeau and the Drury Plaza in St. Charles were able to increase their building shell performance by constructing with highly efficient insulated concrete forms, roof, and wall insulation, and energy reducing double pane windows. The company took savings further with upgrades to HVAC systems, adding variable frequency drives to fan motors and installing HVAC controls and smart thermostats to optimize efficiency.

Incentive

Drury Hotels has earned more than \$225,160 in incentives for their energy-saving upgrades from the BizSavers Program. Because of the generous incentives and annual energy cost savings, the average payback period across the 20 projects performed by Drury Hotels is just shorter than five years.

Technology

LED lighting is known for its low energy costs and long life. In fact, LEDs can use up to 84% less energy than comparable incandescent lamps and 50% less than fluorescent lamps. They also generate less heat, reducing the impact on the HVAC load. New, efficient HVAC systems can use 30-50% less energy than older, inefficient units, and adding additional improvements like HVAC controls, Energy Management Systems, variable frequency drives and smart thermostats can take your savings even further.

Using high-performance insulation and windows in your building shell can significantly reduce the load on the HVAC systems, which in turn lowers costs while maintaining guest comfort. When building a new facility, you could save thousands on future energy costs by completing a building energy model, which can help optimize energy use and help identify opportunities for energy-efficient upgrades prior to groundbreaking. Best of all, energy efficiency improvements are eligible for Ameren Missouri BizSavers New Construction incentives.

Facility Information

Facility type:

Hotel

Measures:

**Lighting, Cooling, HVAC,
HVAC Controls and
Building Shell**

Annual energy cost savings:

\$155,940

Annual kWh savings:

2,009,532

Total project costs:

\$2,053,575

Total incentives:

\$225,168

Payback:

4.94 years

Get Started Saving!

Find out how you can save at AmerenMissouri.com/BizSavers or by contacting a Business Development Representative at BizSavers@Ameren.com or **1.866.941.7299**. Ready to start saving now? Find an approved contractor at TradeAllyNetwork.com.