

Ameren Missouri BizSavers® Program Energy Savings Case Study

ALDI Inc.

ALDI grocery stores are known for their quality products at low prices. Just like bringing savings to their customers, they've brought energy efficiency savings to many of their Missouri stores with the Ameren Missouri BizSavers® Program. Using around 50 kilowatt-hours of energy per square foot, the average supermarket spends more than \$200,000 in energy costs each year with nearly three-quarters of the electricity powering refrigerators and everything from lighting, cooking and ventilation equipment accounting for the remainder. To help keep energy usage and costs down, ALDI focused on energy efficiency upgrades to refrigeration and lighting. Combining all of the energy efficiency upgrades the stores have installed in their facilities, they have earned **more than \$160,000** in BizSavers incentives and reduced their energy costs by **more than \$232,500** each year!

Project Summary

Since 2009, ALDI has updated many fluorescent lights to LEDs and installed occupancy sensors to reduce energy in unoccupied spaces. The company also installed new ENERGY STAR® refrigerators and freezers and added anti-sweat heater controls and head pressure controls to refrigeration equipment. Combining all energy efficiency upgrades, ALDI has significantly reduced the company's energy use by **more than 3,000,000 kWh** each year.

Incentive

ALDI has earned **more than \$160,000** in incentives for their energy-saving upgrades from the BizSavers Program. Because of the incentives and annual energy cost savings, the extensive upgrades to the facility will pay for themselves in 7 years, well within the operational life of the upgraded equipment. With such great energy and cost-saving options, it makes the decision to upgrade even easier!

Technology

ENERGY STAR refrigerators and freezers are, on average, 20% more energy-efficient than other standard models and can greatly reduce a facility's energy consumption and utility costs. Components such as ECM evaporators, anti-sweat heat controls, high-efficiency compressors, and condenser fan motors help ENERGY STAR refrigerators work efficiently without bringing high costs to your facility. Anti-sweat controls monitor humidity and temperature levels and automatically adjust heat production, so heaters operate at a fraction of the time, resulting in a 70-90% reduction in related costs.

Known for their low energy consumption and long life, LED lamps can **save up to 50% in energy costs** as compared to fluorescent lamps and provide customers and employees with a better and brighter shopping and working environment. They also generate less heat, reducing the impact on the HVAC load.

Facility Information

Facility type:
Supermarkets

Measures:
**Lighting, Occupancy
Sensors, Refrigeration,
Anti-Sweat Heater
Controls & Head
Pressure Controls**

Annual energy cost savings:
\$232,570

Annual kWh savings:
3,016,245

Total project costs:
\$1,090,722

Total incentives:
\$161,508

Payback:
7 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.