

# Ameren Missouri BizSavers® Program Energy Savings Case Study

## Gas Mart 22

Located in south St. Louis city, Gas Mart 22 is a BP-branded gas station and convenience store that serves the Princeton Heights and St. Louis Hills neighborhoods 24 hours a day. As a small, single-location store, reducing costs to maximize profit margins is a top priority, which is why Gas Mart 22 turned to Ameren Missouri's BizSavers Program to help the store save money and energy. After upgrading their lighting and refrigeration, the store has earned **more than \$800** in BizSavers incentives and has reduced their annual energy costs by **more than \$1,800**.

### Project Summary

Gas Mart 22 has replaced thirteen T12 light fixtures with LEDs, cutting energy use while providing a much brighter environment for customers. The store also installed strip curtains for their walk-in cooler and anti-sweat heater controls to increase the efficiency of their refrigerators and improve product visibility by keeping the glass from fogging. In total, the store's upgrades have reduced Gas Mart 22's energy use by **more than 17,000 kWh** every year. Upgrading to more energy-efficient technologies has lowered operating costs, improving the store's bottom line.

### Incentive

For upgrading their lighting and refrigeration, Gas Mart 22 **earned more than \$800** in incentives. Because the incentives significantly reduced the upfront cost, and savings through lighting upgrades generate such a quick ROI, the upgrades will pay for themselves in just about three months.

### Technology

Known for their low energy consumption and long life, LED lamps can **save up to 50% in energy costs** compared to fluorescent lamps and provide employees and customers with a better and brighter working and shopping environment. They also generate less heat which reduces the strain on your HVAC and refrigeration systems. Improving lighting is the easiest way to see a quick ROI and reduce your energy usage.

Another great way for convenience stores to save energy and money is to upgrade to ENERGY STAR® refrigerators and freezers, which are on average **20% more energy-efficient** than other standard models and can greatly reduce a store's energy consumption and utility costs. For existing equipment, retrofitting systems with efficient motors and controls can significantly improve their overall efficiency and prolong useful life.

## Facility Information

**Facility type:**  
**Convenience Stores**

**Measures:**  
**Lighting & Refrigeration**

**Annual energy cost savings:**  
**\$1,807**

**Annual kWh savings:**  
**17,485**

**Total project costs:**  
**\$1,094**

**Total incentives:**  
**\$819**

**Payback:**  
**0.23 years**

## Get Started Saving!

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