

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 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 the Ameren Missouri BizSavers program to help the store save money and energy. After upgrading their lighting and refrigeration, the store has earned **more than \$800** in Ameren incentives and has reduced their annual energy costs by **more than \$1,800**.

Project Summary

Gas Mart 22 has replaced 13 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. 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 of the generous incentives and annual energy cost savings, and since lighting projects 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** as compared to fluorescent lamps and provide employees and customers with a better and brighter working and shopping environment. They also generate less heat, reducing the impact on the HVAC load, helping keep coolers cooler. Lighting is the easiest and quickest way to see an ROI as well as reduce energy usage.

Another great area 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, upgrading to efficient motors and controls can enhance efficiency significantly 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!

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