

Ameren Missouri BizSavers® Program Energy Savings Case Study

National Department Store Chain

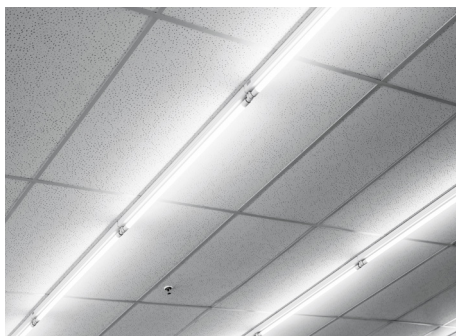
A national department store chain analyzed lighting in four of its St. Louis stores to identify cost-effective ways to reduce the total energy bill. The result showed that retrofitting incandescent fixtures to LED fixtures would save more than \$30,000 in electricity costs annually among all four stores.

Project Summary

The total project cost (before the incentive) of retrofitting 3,779 incandescent fixtures to LED fixtures was a little more than \$100,000. Without an incentive, the retailer would have seen a 3.3 year payback on its investment.

Incentive

The retailer was able to take advantage of receiving a cash incentive from Ameren Missouri's BizSavers Program for its lighting project. By receiving a \$23,172 incentive, the payback was decreased to 2.44 years. Not only was the payback short, the project allowed the stores to reduce their lighting load by 463,457 kWh per year!



Technology

LED lighting is known for its low energy costs and long life. In fact, LED lamps can save up to 84% in energy costs as compared to incandescent lamps. They also generate less heat, reducing the impact on the HVAC load. Not only are LEDs more energy efficient than many other types of lighting, but their service life is significantly longer as well. Some LEDs have been rated for up to 50,000 hours, which equates to 50 times longer than incandescent lighting and five times longer than compact fluorescent lamps.

Facility Information

Facility type:
Retail department store

Square footage:
Four buildings totaling
600,000 square feet

Annual energy cost savings:
\$31,469

Annual kWh savings:
463,457

Project cost:
\$100,013.55

Incentive:
\$23,172.85

Payback:
2.44 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.