



**EnergySmart**  
BUSINESS

walking mountains  
science center



Xcel Energy®

Source Gas



MAKING ENERGY IMPROVEMENTS SIMPLE & AFFORDABLE

## AN ENERGY SMART BUSINESS CASE STUDY

### LED LIGHTING

#### Project Cost Summary

Initial Cost: \$1132

Rebate: \$566

Final Cost: \$566

#### Payback Calculations

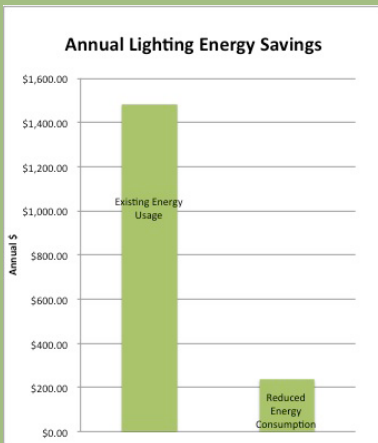
Final Cost: \$566

Annual kWh Saved: 15,553

Total Savings: \$1,044

#### Payback

Less than 7 months!



*“When you think about the life expectancy of the LED bulb being 25,000 hours instead of 2,000 for a normal incandescent, and a 1/6 of the energy use, the savings add up quickly.”*

—RUSSELL WHITE

## Case Study: Moe’s Original BBQ

### COMIN’ IN HOT WITH ENERGY SAVINGS!!

#### Findings After Assessment

During a fall partnership with Holy Cross Energy, Energy Smart Colorado and Holy Cross worked with Moe’s BBQ to complete a lighting assessment at both Lipshead and Eagle locations. The results of the assessment revealed some great lighting efficiency opportunities at both locations.

#### Energy Plan of Action/Work Accomplished To Date

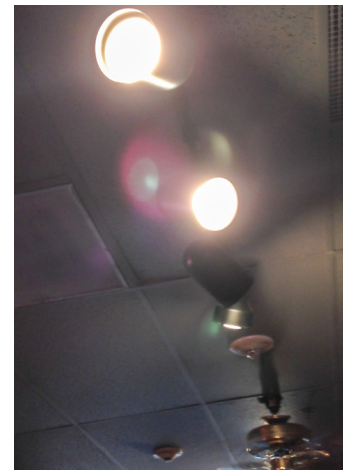
The plan was to remove all of the high wattage (65 watt) flood/track lights that had plagued both locations with continual replacement and maintenance. By working with Energy Smart Colorado, Moe’s was able to find a high quality replacement LED light that only uses 1/6 of the power (10 watt) and replace all 56 track lights at both locations.

#### Resulting Energy Efficiency & Savings

After completing this project, Moe’s BBQ was not only satisfied with the improved light output and performance of the LED’s but also with the significant energy savings! By utilizing both Holy Cross Energy and Energy Smart rebates, Moe’s only needed to pay for 50% of the project costs! By saving 15,553 kWh/year, Moe’s is not only decreasing their carbon footprint but also saving on their utility bills!



Left: Photo of Moe’s Original BBQ Co-Owner Jeff Kennedy with Energy Smart Program Manager, John-Ryan Lockman



Right: Example of the high efficiency Philips LED BR30 Flood Lights