

# Parking Facility

Case Study



**ENERGY**  
MANAGEMENT  
COLLABORATIVE

**ENERGY EFFICIENT**  
LIGHTING + CONTROLS + IoT  
SOLUTIONS



# Parking Facility Case Study

A North American premier owner, operator and developer of parking facilities is committed to ensuring a clean, safe, courteous and efficient parking experience for its customers, who park over 16 million cars at their facilities annually.

## The Project

Having recently purchased the parking facility, the owner needed to quickly bring the 24/7 self-park facility up to the company's standards for energy usage, attractiveness and safety. Since new LED lighting could accomplish all of these objectives, the owner called in EMC to deliver speed of execution and maximized results.

## The Solution

EMC quickly identified a \$50,700 Xcel Energy One-Stop Efficiency Shop rebate that would save 25 percent of the total project costs and deliver a return on investment (ROI) in under three years.

Old high-pressure sodium lights that had been an image and safety concern were replaced with attractive and energy efficient LED lighting products. EMC worked at off-peak hours to minimize disruption during the project.

## The Results

The new LED lighting will cut lighting energy output by 64 percent, with an annual savings of more than \$43,000. In addition, the new LED lighting technology will reduce annual maintenance costs by more than \$10,000.

Once shadowy and dim, the parking facility is now an attractive and safe environment for customers.

## Investment Summary

Project Cost  
**\$200,000**

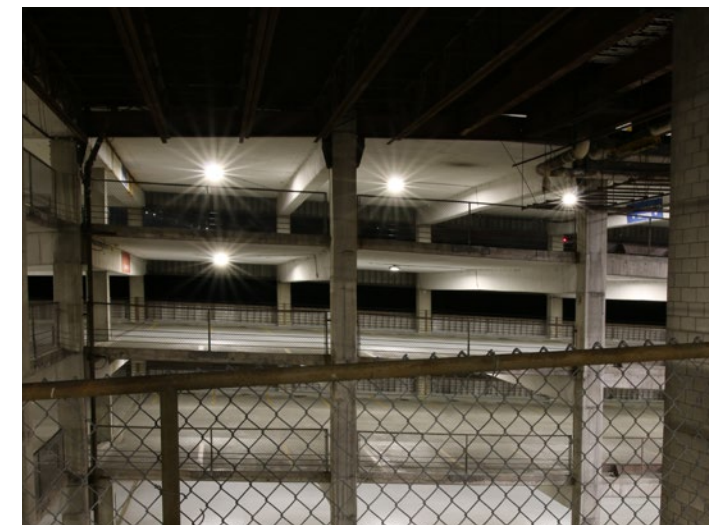
Rebate  
**\$50,700**

Energy Savings  
**\$43,266**

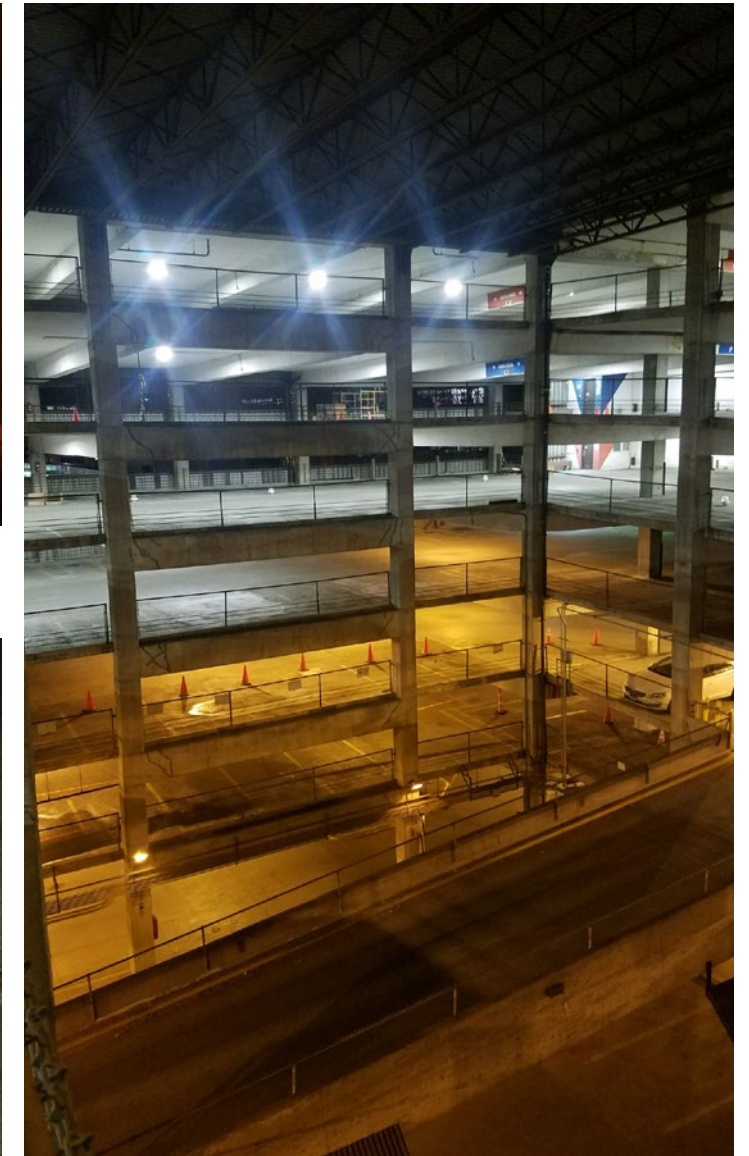
Payback  
**2.8 years**



Before



After



During

## Energy Savings



**676,077**  
pounds of CO<sub>2</sub>



**34,507**  
gallons of gasoline



**335,518**  
pounds of coal

# Realize the Full Value

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## Parking Facility Settings

Take a total approach to LED lighting + controls + IoT for all your locations.

Energy Management Collaborative (EMC) has the project management expertise, quality and speed you need to maximize energy and bottom line savings for your business.

Since 2003 we've helped multinational businesses save billions of kilowatt-hours of energy and maximize their investment in LED lighting and controls to:

- Provide low cost of ownership and fast project paybacks
- Ensure consistent implementations for hundreds of locations
- Reduce dependence on routine service calls
- Deliver superior utility savings and incentive values
- Enhance curb appeal and safety
- Maximize full benefits of product warranties



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