

# CASE STUDY

# GENERAC®

## Generac Power Systems Whitewater, WI

Murphy Energy Systems helped the world's largest standby electric power generator company cut energy consumption at its Whitewater, Wisconsin, distribution center by replacing aging high pressure sodium lighting with state-of-the-art LED technology. The project is providing a 59% return on investment for Generac by reducing energy costs.

In addition to the energy savings provided by LED lighting, Generac benefits from energy savings made possible by occupancy sensors driven by an intelligent controls system.

### Savings Analysis:

Annual kWh Savings .....	629,988
Annual System Savings .....	\$83,158.42
Combined Incentives .....	\$38,324.00
Return on Investment .....	59%
10-Year Energy Savings .....	\$629,987.00

### Benefit Analysis:

- LED Fixtures Carry 10-Year Warranty and >120,000 hour Lifespan Rating
- Occupancy Sensing by Wireless Control System
- Enhanced Color Temperature and Light Quality
- Improved Uniformity and Distribution of Light
- Elimination of Maintenance and Relamping Cycles

### Annual Environmental Impact\*:

- 994,982 pounds of CO2
- 1,574,970 grams of Sulfur Dioxide
- 3,653,930 grams of Nitrogen Oxides
- Planting 116 trees
- Removing 89 cars from the road each year
- Saving 57,272 gallons of gasoline each year

\* Source:  EPA



Murphy Energy is a full service ESCO providing turnkey lighting solutions to improve energy efficiency and system performance in the built environment.

### Energy Management Services

- ⊕ Turnkey Project Implementation
- ⊕ Lighting & Control Systems
- ⊕ Building Automation Systems
- ⊕ Daylight Harvesting
- ⊕ Solar
- ⊕ Rebate Administration
- ⊕ EPC Certification



 **MURPHY ENERGY SYSTEMS**  
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