



CASE STUDY

Whitewater, Wisconsin

Murphy Energy Systems helped the world's largest standby electric power generator company cut energy consumption at its Whitewater distribution center by replacing aging high pressure sodium lighting with state-of-the-art LED technology.



The project is generating a 59% return on investment driven by LED savings and an intelligent occupancy sensor control 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
- >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 Carbon Dioxide (CO2)
- 1,574,970 grams of Sulfur Dioxide (SO2)
- 3,653,930 grams of Nitrogen Oxides (NO2)
- Planting 116 trees each year
- Removing 89 cars from the road each year
- Saving 57,272 gallons of gasoline each year

* Source: Environmental Protection Agency

Energy Management Services:

- Turnkey Lighting Upgrades** ✓
- Building Automation Systems** ✓
- Rebate Administration** ✓
- Project Management** ✓
- EPAct Certification** ✓
- Solar** ✓
- Power Quality** ✓

CONTACT US:

 414-810-0301

 murphyenergy.net

 info@murphyenergy.net