

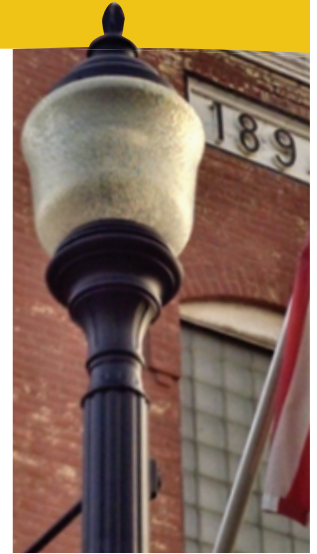
# Municipal Lighting LED Upgrade City of Prairie du Chien

e3 LIGHTING

CASE STUDY

*"I am impressed at how simple E3 made the process of upgrading our lighting to LED! They brought all of the information the City Council needed to make a quick and well informed decision. The guaranteed incentives along with the detailed financial analysis allowed the Council to decide in 1 meeting!"*

– Terry Meyer  
Director of Public Works



## Customer Needs

- Turn Key Partner
- Lighting Assessment
- Precise Financial Pro Forma
- Reduce Energy
- Reduce Maintenance Costs
- Improve Lighting Quality
- Facilitate Rate Change

## Scope

- All Municipally Owned Street, Park, and Security Lighting
- 15 Facilities
- 228 Exterior Fixtures
- 137 Interior Fixtures



WI: 608-637-2499

MN: 612-888-9599

504 C East Decker Street  
Viroqua, WI 54665

e3lighting.com

your LED expert

## Project Description

Having worked with E3 Lighting in developing an energy plan, the City of Prairie du Chien was very confident in E3's integrity and overall approach.

The project included upgrading to LED for nearly all of the municipally owned exterior and interior lighting including street, park, security, and interior building lighting.

## Results

### Investment Summary

Project Cost	\$ 84,823
Net Project Cost After Incentives	\$ 52,234
Return on Investment (10 Year)	429%
IRR	48.6%
Simple Payback (Years)	2.12

Total Savings (NPV, 5% Discount)	\$ 221,155
Energy (10 Year)	\$ 173,828
Replacement Costs (10 Year)	\$ 47,327

First Year Total Savings	\$ 24,673
Energy	\$ 19,393
Replacement Costs	\$ 5,280

6 Month Cost of Waiting	\$ 12,337
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