



Driving Carbon Neutrality and 100% Renewable Energy by 2050

**City of La Crosse
Climate Impact Update**

The power behind **your mission**



La Crosse Sustainability Project (Phases I-III)

Energy Demand Reduction

- Mechanical equipment replacement
- Retrofit lighting to LED
- Efficiency monitoring and reporting
- Investment at **City Hall, Libraries, Municipal Service Center, Fire Stations, Parks, Street lighting and the La Crosse Center**
- The Term for Phases 1,2, and 3 are complete.
- Phase 4 has 2 years remaining of the 3-year term.

Renewable Energy Supply

- City-owned Solar Arrays: Seven (7) locations totaling over 0.5 MW

Status: Implemented/Generating Savings

Total Investment in facilities: **>\$9 million**

Total Project Benefits (over 20 years): **> \$11 million**

Annual savings equivalent to **2,339 Metric Tons of CO2**

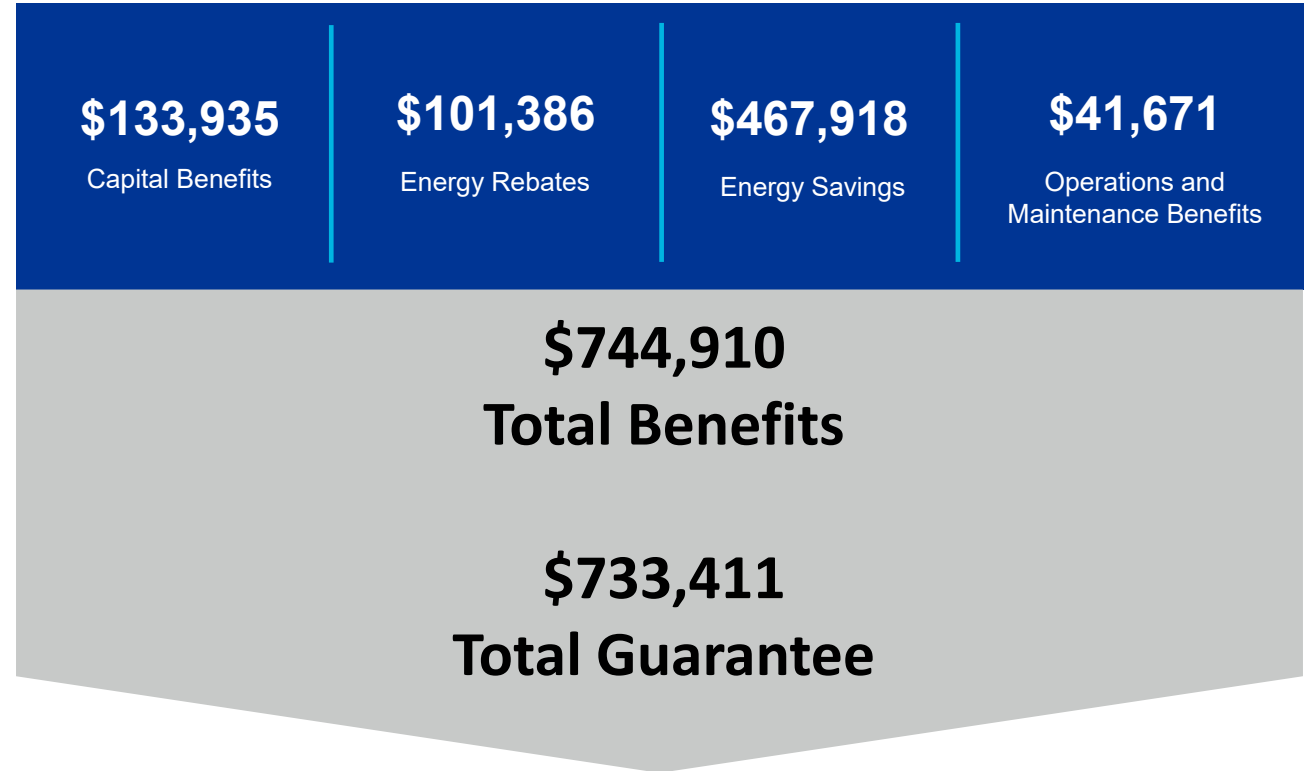


Phase 3 Results

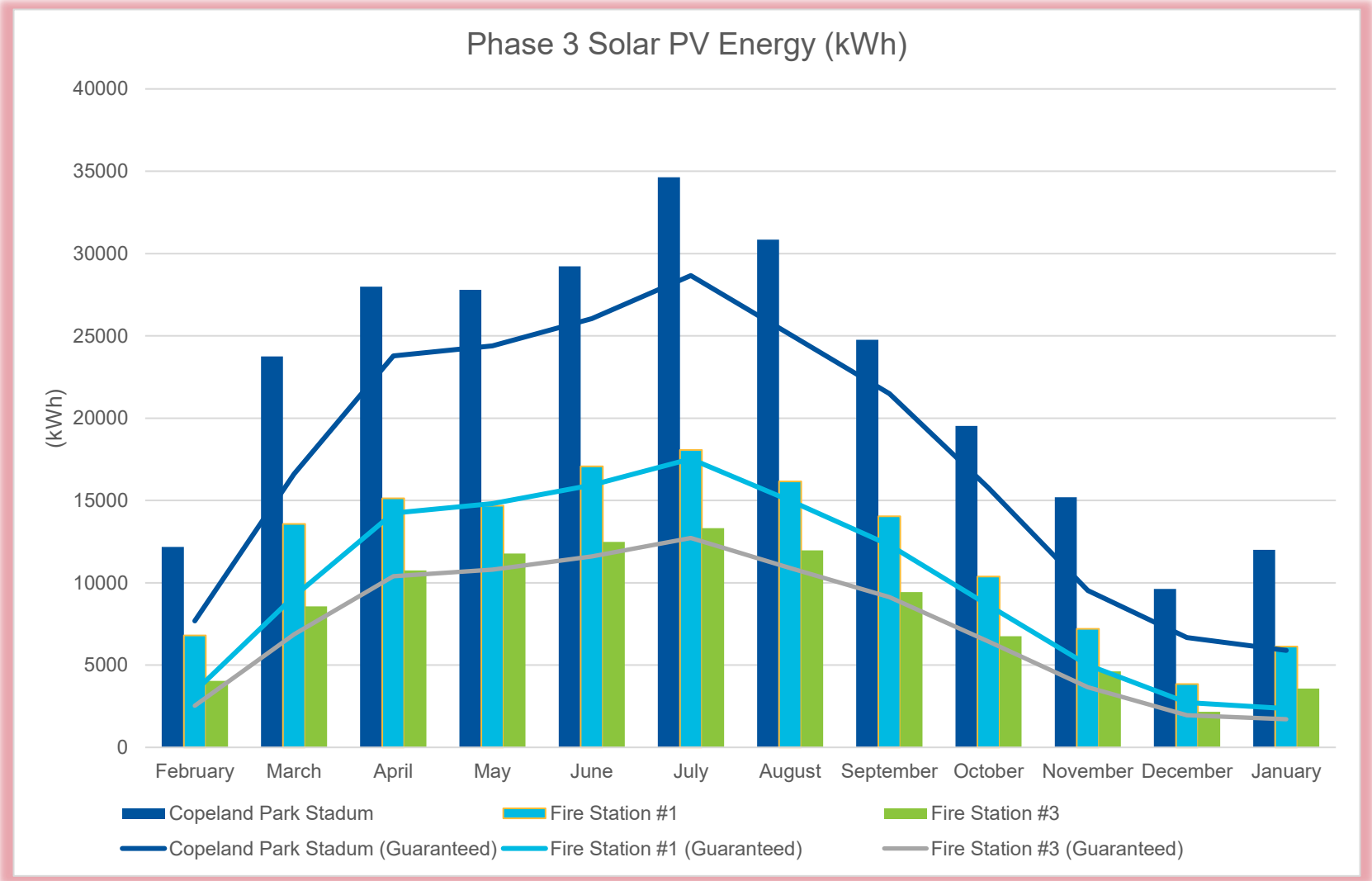
- Energy Costs by \$467,918
- Consumption Reduced by 4,511,826 kWh
- Total Savings of \$744,910
- Excess Savings of \$11,499

Details

- Solar Generation - 469,744 kWh
- Facility Lighting – 332,871 kWh
- Street Lighting - 3,632,313 kWh



Phase 3 Solar Generation



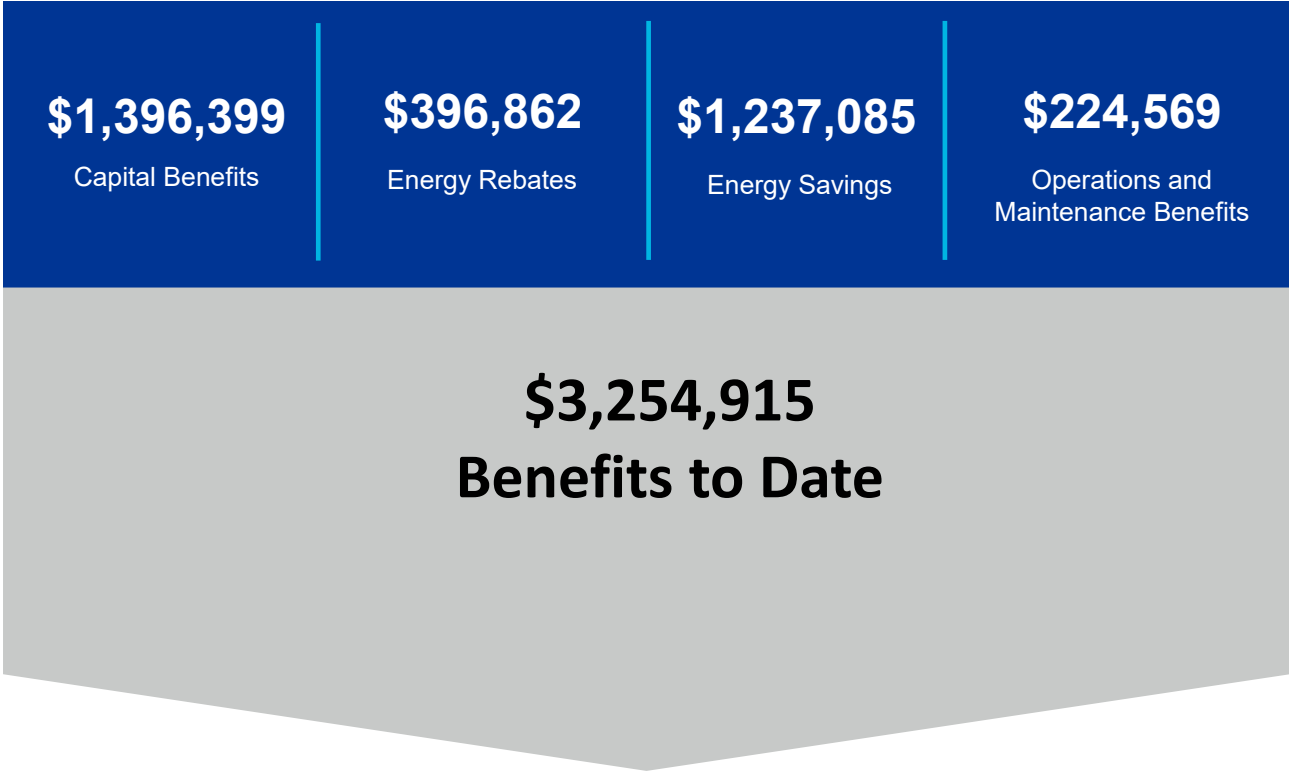
Our Partnership

Program to Date

- Reduced Energy Costs by \$1,396,399 to date
- Consumption Reduced by 12,627,488 kWh to date

Primary Goals:

- Reduce utility usage in the buildings
- Implement City-owned Renewable Energy
- Reduce deferred capital
- Reduce on-going maintenance costs within the buildings
- Improve environment for building occupants
- Create a positive impact on the environment



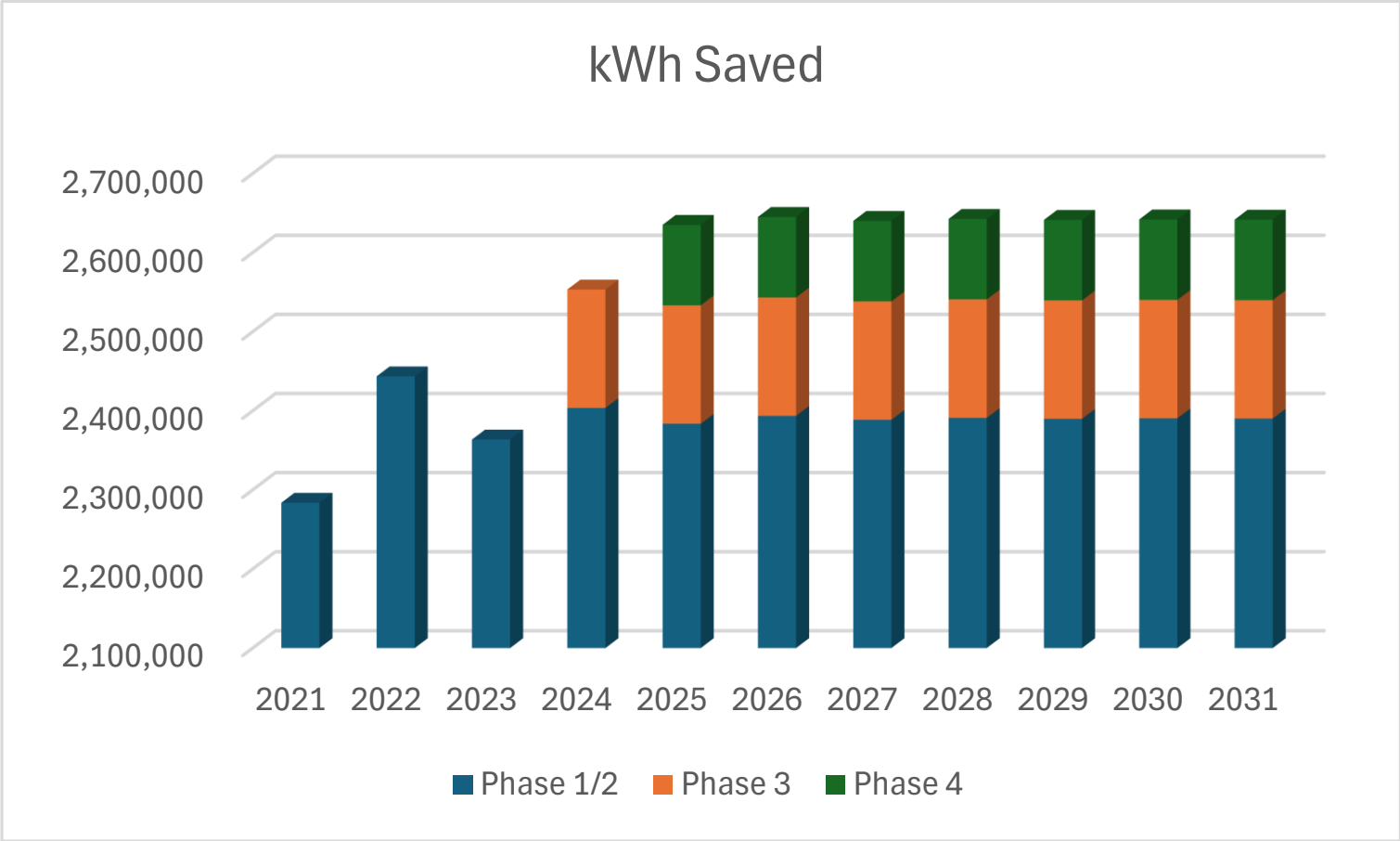
Results – Phases 1, 2, and 3

- Reduced consumption by 12,627,488 kWh
- Solar production 3,094,347 kWh
- Reduced carbon emissions by 10,651 Metric Tons of CO₂
- Realized \$223,964 in Operations and Maintenance benefits from replaced equipment
- Utility Rebates of \$364,323
- There were 5,184 therms saved during this time period.



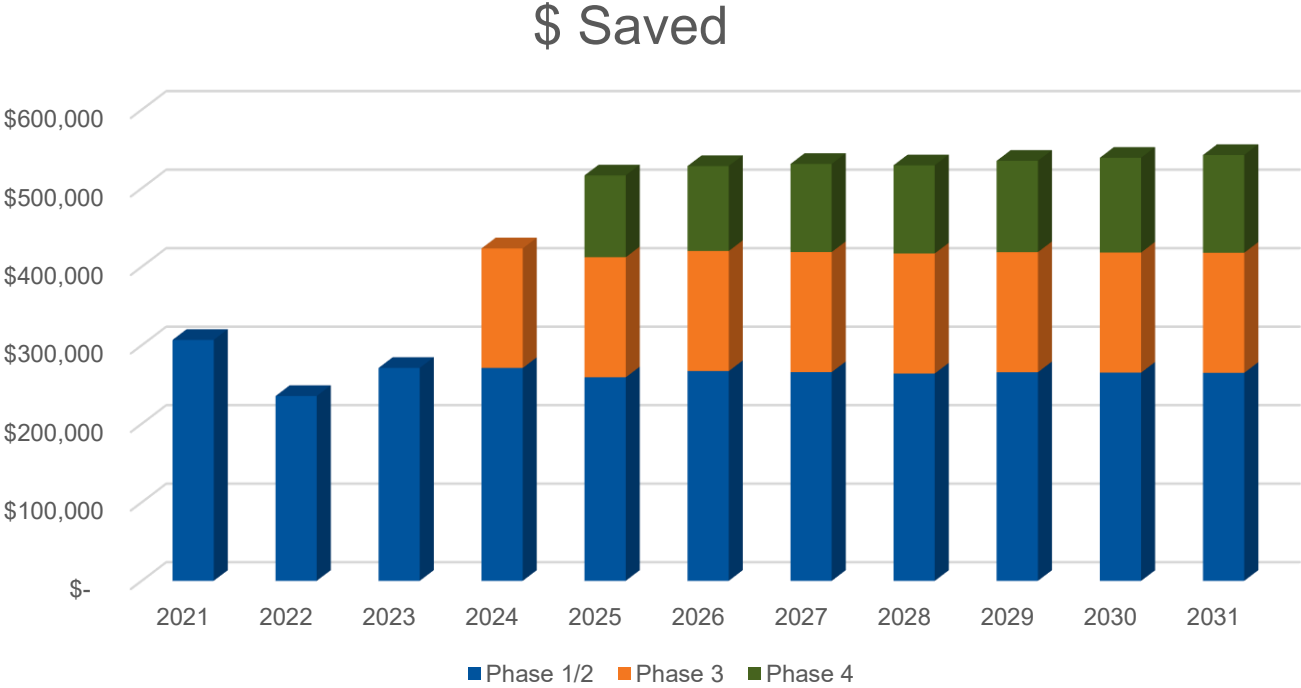
Energy Benefits

Values for years 2021-2025 are actual measured savings. Values for 2025 and beyond are projected results



Cost Benefits

Values for years 2021-2025 are actual measured savings. Values for 2025 and beyond are projected results



Decarbonization Impact

Your energy reduction has a positive impact on environmentally harmful emissions

CO2 emissions have been reduced by 10,651 metric tons

10,651

Metric Tons of CO₂ Emissions equates to:

GHG emissions from:



2322

Cumulative vehicles driven for one year

CO₂ emissions from:



1,198,756

Cumulative Gallons of gasoline consumed

Carbon sequestered by:



176,153

Cumulative Tree seedlings grown for 10 years

We Value Your Business

- **Presented to:**

- **Lewis Kuhlman**
- **Climate Action Plan Steering Committee**

- **Submitted by:**

- **Doug Carlson**

Performance Specialist – Sustainable Infrastructure

