



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**

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**



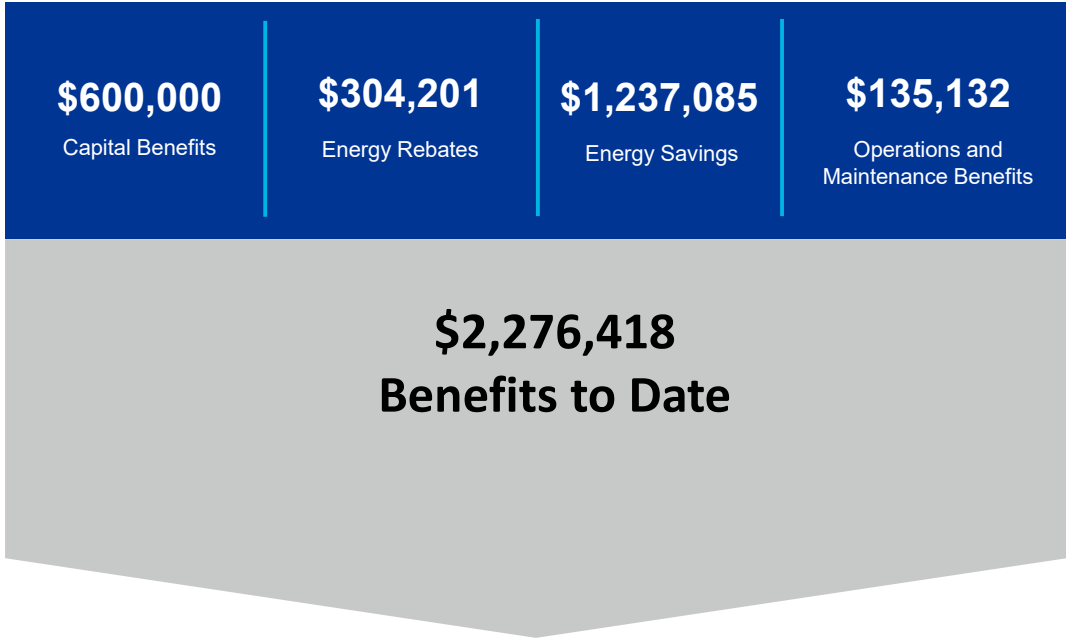
Our Partnership

Program to Date

- Reduced Energy Costs by \$1,237,085 to date
- Consumption Reduced by 9,644,181 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 7,556,019 kWh
- Solar production 2,088,162 kWh
- Reduced carbon emissions by 9,210 Metric Tons of CO2
- Realized \$135,132 in Operations and Maintenance benefits from replaced equipment
- Utility Rebates of \$304,201
- There were 5,184 therms saved during this time period. The cost savings are included in the ‘Total Savings to Date’



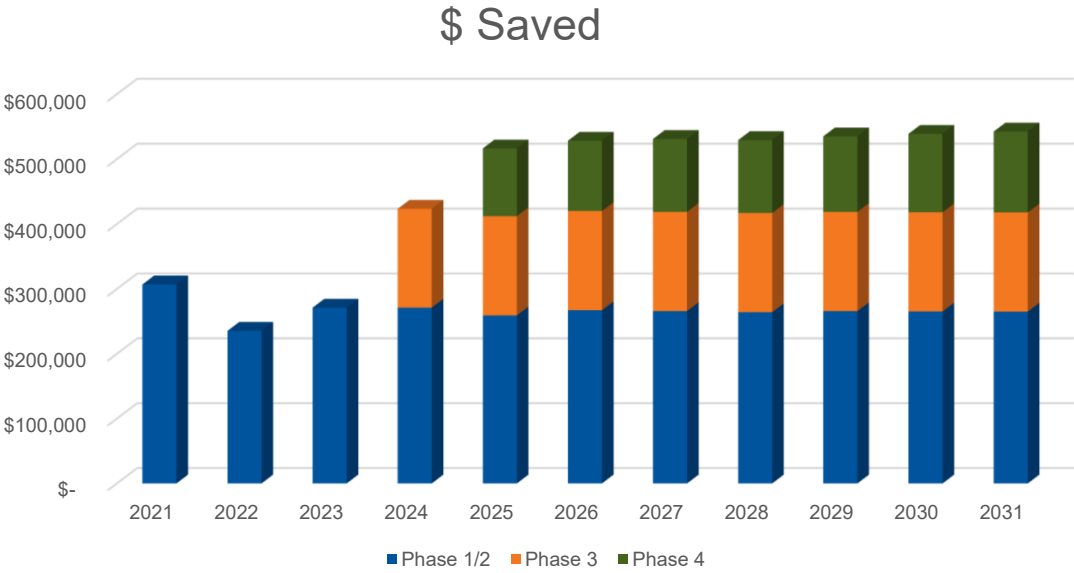
Energy Benefits

Values for years 2021-2024 are actual measured savings. Values for 2025 and beyond are projected results



Cost Benefits

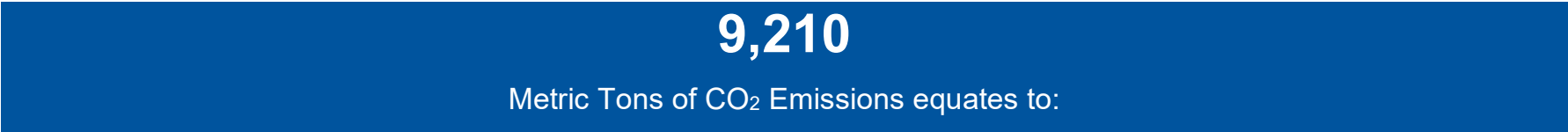
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Decarbonization Impact

Your energy reduction has a positive impact on environmentally harmful emissions

CO2 emissions have been reduced by 9,210 metric tons



GHG emissions from:



2,008

Cumulative vehicles driven for one year

CO₂ emissions from:



1,036,574

Cumulative Gallons of gasoline consumed

Carbon sequestered by:



152,321

Cumulative Tree seedlings grown for 10 years



We Value Your Business

- **Presented to:**

- Lewis Kuhlman
- Climate Action Plan Steering Committee

- **Submitted by:**

- Jeff Van Ess **Midwest Program Leader**
- Jim Wolf **Performance Specialist – Sustainable Infrastructure**
- Doug Carlson **Performance Specialist – Sustainable Infrastructure**