

Case Study

Customer Needs

- Finance Project
- Reduce Energy and Maintenance Costs
- Improve Lighting Quality
- Improve Insulation & Comfort
- Improve HVAC
- Develop Energy Management Plan

Scope

- 8 Facilities / 43,300 sqft
- Municipal Energy Plan

Turnkey Approach

- Needs Assessment
- Energy Audit
- Grant Writing and Incentive Aggregation
- Turnkey Implementation and Project Management
- Grant Administration and Reporting

Results

(Annual Savings)

- 22,300 Therms of Natural Gas
- 61,000 kWh of Electricity
- 268 tons of CO₂ emissions
- \$43,000 of maintenance and energy costs

City of Viroqua, WI

Energy Efficiency Improvements



Timeline

July 2009– E3 Coalition approached the City of Viroqua in offering of their turnkey grant writing and project management services in attempt to procure Energy Efficiency and Conservation Block Grant funding.

August 2009- E3 performed an Investment Grade Audit of The City of Viroqua's facilities.

December 2009– E3 identified, wrote, and secured 3 grants and multiple utility incentives totaling \$240,000. The City used \$5,000 in leveraged funds and labor.

January 2010- The final project scope was \$245,000.

May 2011– All projects completed.

Project Description

The projects were specific to the Energy Efficiency and Conservation Block Grant (EECBG) parameters which allowed for: Lighting, HVAC, Insulation, Windows, and Solar Hot Water.

- **City Hall:** Insulation, Lighting, HVAC
- **Police and Fire Station:** Lighting, HVAC
- **Public Works Shop:** Insulation, Siding, Windows, Lighting, Infrared heating
- **Parks and Rec Buildings (2):** Insulation, Siding, Lighting, HVAC
- **Bus Garage (Leasing to School District):** Insulation, Roofing, Lighting, HVAC
- **Pumphouse 3&4:** Insulation, Siding, Roof, Lighting, Infrared heating

"I never thought I would see the day this old building (City Garage) would be this efficient and look this nice. Now it looks like new, it's warmer, it's brighter, my guys are happier coming to work, and we're saving 30% on our utility bills." — Steve Clark, Director of Public Works, Viroqua

"Working to Keep Our Energy Dollars Local"
E3Coalition.org

