

Case Study

Customer Needs

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

Scope

- 5 Facilities / 210,000 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)

- 22,500 Therms of Natural Gas
- 142,500 kWh of Electricity
- 253 tons of CO₂ emissions
- \$37,000 of maintenance and energy costs

Vernon County, WI

Energy Efficiency Improvements



Timeline

July 2009– Vernon County approached E3 Coalition to write a grant for 1 energy efficiency project.

September 2009- E3 performed an Investment Grade Audit of Vernon Counties facilities.

December 2009– E3 identified ,wrote, and secured 3 grants and multiple utility incentives totaling \$268,000. The County used \$13,000 in leveraged funds and labor.

January 2010- The final project scope was \$281,000.

September 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.

- **Vernon County Courthouse and Annex:** Insulation, Lighting, HVAC
- **Banta building (office's):** Insulation, Lighting, HVAC
- **Erlandson Building (office's):** Insulation, Lighting, HVAC
- **County Highway Shops (3 Buildings):** Insulation, Siding, Lighting,
- **County Jail and Detention Center:** 16 panel Solar Hot Water, Ozone Laundry

"We know we had some inefficiencies in our facilities, but without a plan and the physical and financial resources they were hard to address. E3 provided this and put us on track toward more efficient operations and future savings."— Virgil Hanold, Vernon Highway Commissioner

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

