

## Northwest Region



### **City of Warren: Benchmarking for Public Buildings**

Warren, MN - Because the City of Warren owns and operates its own electric utility rather than using an outside utility provider, the city has unrestricted access to monitor its energy usage data to assist with its benchmarking efforts to track building energy usage. As a result, this makes the City of Warren's Public Municipalities a viable candidate for either interval data benchmarking using one of two vendors or to have a custom program application be created to best track energy usage and meet benchmarking expectations. (\$3,500)

### **BI-County Community Action, Inc: Low-Income Weatherization Project**

Bemidji, MN - This project focuses on weatherization-related items for low-income families' homes. Measures include: attic and wall insulation, air sealing, mechanical replacements, furnace clean and tunes, rim-joint insulation, crawlspace insulation, programmable t-stat, client education, pipe insulation and safety items like CO alarms, exhaust fans and dryer vents. (\$2,000)

### **City of Barnesville Municipal Utility: Barnesville Community Solar Garden**

Barnesville, MN - Barnesville Municipal Utilities plans to install a 80 panel solar array near our Barnesville Community Garden during 2018. The Barnesville Community Solar Garden will provide a simple, convenient and cost effective way for our customers to participate in solar generation. Customers will be given the opportunity to purchase the output from one or more panels for a 20 year period. While the energy created will not directly power the customer's home, on an annual basis the customers will receive a credit on their electric bill based on the output of the system. (\$5,000)

### **Bemidji Community Food Shelf: Food Shelf Lighting Upgrade**

Bemidji, MN - The Bemidji Community Food Shelf (BCFS) is a faith-based organization that distributes food to over 3,000 qualifying families in Beltrami County and the Bemidji School District. Its location in the Bemidji Industrial Park is comprised of an office area, a large shopping area, and a warehouse, which together make up 12,480 square feet. BCFS wants to replace its existing florescent lighting with LEDs and add motion sensors in the bathrooms and warehouse. Lighting in coolers and freezers will also be upgraded. (\$500)

## **Moorhead Public Service:**

### **Downtown Community Geothermal System Pilot Project**

Moorhead, MN - Moorhead Public Services (MPS) will take the next innovative step in renewable energy by piloting a Community (or District) Geothermal System (CGS). This project will pilot the downtown CGS and demonstrate the benefits that can be achieved when a public utility delivers geothermal energy to its customers. Geothermal utilizes the heat stored in the earth to provide efficient heating and cooling year-round. This project will help the Moorhead reach important environmental goals, as well as provide an efficient, cost effective, comfortable, and economically stable heating and cooling service to customers. (\$3,000)



## **Northwest Community Action: Office Building LED Lighting Project**

Badger, MN - Replacing our T-12 lighting fixtures and incandescent bulbs at Northwest Community Action (NWCA) office building with LED bulbs and fixtures will cut our energy bills an estimated \$2,772 a year. We'll share the results of our project with local media outlets and talk about the project with people who come into our office for help. NWCA helped over 1,200 families with fuel assistance last year, and we have a lot of other services that clients come into our office for, too. We'll also develop a handout to show the savings of using LED lighting. (\$3,000)

## **Harmony Natural Food Cooperative: Food Coop Lighting Upgrade**

Bemidji, MN - Harmony Natural Food Coop will upgrade existing lighting with energy efficient LEDs. Existing T-8 fluorescent and compact fluorescent lamps (CFL) nearing the end of their lifespan will be replaced (rewired/re-ballasted by an electrician) with 351 new LED lamps. This project is part of a comprehensive approach to Harmony's commitment to reducing our energy use and our greenhouse gas footprint through building envelope and energy efficiency improvements, renewable energy, and community/business education and outreach. This project will reduce annual electricity consumption by approximately 24,581 kWh (18.3 metric tons of CO2). (\$3,000)