

Central Region



Rural Renewable Energy Alliance (RREAL): Making Solar Accessible for Habitat for Humanity Households

Backus, MN - Nearly half of American adults experience housing insecurity at some point in their lives due to unpredictable rent prices, moving, and lack of access to affordable housing. Rural Renewable Energy Alliance is working with Central Minnesota Habitat for Humanity to make solar energy more accessible and reduce electric bills for a new Habitat homeowner. Every effort made to help reduce energy costs for low-income families is key to the affordability of owning a home. (\$4,000)

Leech Lake Band of Ojibwe: Leech Lake Solar Master Plan

Cass Lake, MN - Leech Lake Band of Ojibwe will develop a Solar Energy Master Plan for all primary Tribal facilities. This Master Plan effort will, for all subject tribal government facilities: (1) collect annual energy use data, calculate EUI and performance evaluation against ENERGY STAR/B3 peers; (2) evaluate the viability of solar PV; (3) develop a detailed solar PV concept design, calculate annual energy generation possible, and develop preliminary project budgets; (4) develop a Solar PV Master Plan report summarizing all findings, identifying Tribal economic development potential of solar pv development, and propose a solar implementation plan for Tribally owned facilities. (\$4,600)

Discovery Woods School, ISD 4198: LED Lighting for Library

Brainerd, MN - Our school is a public charter located in an historic school building in our city. The school was built in 1940 and has been through multiple renovations but has not been upgraded in many years. Our library space has old fluorescent tube lighting that is irreplaceable and many tubes are burned out. We would like to replace the lighting with new energy efficient LED lights to provide a more welcoming and space as well as educate families about the benefits of LED lighting. (\$3,000)

Crosslake Lutheran Church: Solar Stewardship: Rooftop Solar PV Install

Crosslake, MN - Solar power, our first source of light and warmth, is the next essential step for Crosslake Lutheran Church (CLC) toward responsible environmental and fiduciary stewardship. Our intent is to conserve our natural environment and be financially responsible serving our church and community. Our solar panel system will have optimal southern roof exposure and will be visible from Route 66, the most highly trafficked thoroughfare in Crosslake. Eighty-seven (87) solar panels will produce 31.32kW to save an estimated \$4,223 yearly. Estimated payback is seventeen years. (\$8,400)