



Solar Energy Legacy Grants FY2011 Funded Grants

Project #	Grantee	Project Title	Project Summary	Total Cost	Amount Funded
S001-10-2B	City of Ely	Hidden Valley Chalet Solar Heating	This project is to install 4 thermal hot air panels to provide heat for the Hidden Valley Chalet and to install signage to educate about the operation of the panels	\$16,800	\$12,600
S002-10-1D	Crow Wing County	Northland Arboretum Rooftop PV	This project is to install and connect a 9.85 KW solar photovoltaic array and monitoring system on the roof of the main community/education facility to power all indoor, outdoor and trail lighting and to install more energy efficient light bulbs throughout the building	\$79,835	\$59,876
S003-10-3B	City of Saint Paul	Como Regional Park Pool Replacement	This project is to install solar thermal hot water heating system for the bathhouse building and the concessions building as part of the park swimming pool replacement	\$282,500	\$150,000
S004-10-2C	City of Duluth	Toss it Green	This project is to install 10 solar electric trash compactor units and 10 recycling trash units to be placed along the Lakewalk Trail starting at Bayfront Festival Park and ending at 47th Avenue East	\$54,879	\$41,159
S005-10-3B	Chisago County	Solar Application	This project is to install solar electric PV panels at Dennis Frandsen County Park to provide power for park lighting, well and security equipment and when power is not called for to support park operations it will support grid function	\$10,000	\$7,500
S006-10-4A	Meeker County	Solar Showers & Playground Shade at Lake Koronis Regional Park & Campground	This project is to install two solar thermal flat plate collectors for existing shower facility that will produce shade for the adjacent picnic table and children's playground area	\$15,000	\$11,250
S007-10-4D	City of Austin	Ruby Rupner Photovoltaic	This project is to install a 16 panel photovoltaic system located on the northwest side of the Ruby Rupner Auditorium including a data acquisition monitoring system to help educate students and the public	\$25,000	\$18,750

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S009-10-3B	Three Rivers Park District	Elm Creek Mountain Bike Trail Solar Well Project	This project is to construct a solar powered potable water supply which will consist of a potable water supply well, solar pump and DC motor, on-site solar panel mounted to an adjacent frame and to the batteries used to power the pump motor with a user on/off switch at w	\$32,500	\$12,000
S010-10-3B	Three Rivers Park District	Campground Shower Building Solar Energy Project	This project is to install a solar hot water heating unit on the Baker Campground Shower Building roofin Baker Park Reserve that will include the fixed roof mounted solar array, circulating pumps and thermal pre-heat storage tanks	\$150,000	\$112,500
S012-10-3B	Three Rivers Park District	Gale Woods Camping Cabin Solar Lighting Project	This project is to install a solar system on the island in Whaletail Lake to provide lights for the cabin, compost toilet facility and the path to the boat dock. The system will include an on-site solar panel mounted on an adjacent frae to the battery storage system and	\$30,000	\$22,500
S013-10-3B	Three Rivers Park District	Gale Woods Passive Solar Greenhouse Project	This project is to construct a passive solar greenhouse that will be built into a south facing slope with several passive solar techniques used including thermal masses, geothermal heating and/or cold sinks in the structure	\$30,000	\$22,500
S001-11-3A	City of Elk River	Great Northern Trail Solar Lighting Project	This project is to provide lighting and passenger vehicle flashing warning signs at two critical roadway crossing locations along the Great Northern Trail	\$120,150	\$69,365
S002-11-3B	City of Coon Rapids	Wedgewood Trail Round Lake Blvd Solar Crossing Signal	This project is to install a solar powered LED crosswalk push button flasher to assist Wedgewood Trail users cross Round Lake Boulevard	\$30,600	\$15,000
S003-11-3B	Chisago County	Ojiketa Park Solar Project	This project is to install outdoor lighting throughout trails, walkways and parking area and to install seven water heaters for bathhouses and cabins at Ojiketa Regional Park	\$76,139	\$30,000
TOTAL				\$953,403	\$585,000