

For immediate release

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Mt. Rainier National Park Benefits from Solar Power

SunWize's solar energy system improves quality of life for National Park Service staff and lowers annual operating costs.

Kingston, New York, January 8, 2002 - SunWize Technologies, Inc. announces completion of the largest remote hybrid solar energy system in Washington State for Mt. Rainier National Park at the White River facility. The 15.5 kilowatt system provides power for employee housing, water pumping, a ranger station, an entrance station and tourist restrooms. The White River facility is used seasonally from April to October with over 250,000 visitors passing through annually. The solar hybrid system replaces a generator-only system with the solar providing 85% of the electricity, which reduces generator run time from 3500 hours to 150 hours per season. The previous engine generator system ran 24 hours a day, exposing all of the housing units to excessive noise. The National Park Service staff now benefits dramatically from the quiet operation of the solar electric system.

The system design is based on load data supplied by the National Park Service of 59 kWh/day. The system consists of 15.5 kW of Siemens solar modules covering 90 linear feet of the roof of the new garage building. The system also includes a 20 kW, 208 VAC 3 phase inverter, an industrial flooded battery bank, and an on-demand propane generator. The inverter includes an integral real-time data acquisition system (DAS) and remote control capability that allows SunWize technical staff to monitor and control key system operating parameters from their Kingston, NY headquarters.

As part of the project, the National Park Service undertook many energy conservation measures to ensure the system would meet their expectations. They replaced lighting, refrigerators and water pumps with newer, more efficient models. The new appliances decrease the load thereby reducing the cost and size of the solar electric system. The benefits of the system are reduced fuel consumption, reduced emissions, reduced noise levels at the employee housing and lower annual operational costs. SunWize's system design helps the National Park Service meet their goal of protecting the environment and serving the public.

SunWize Technologies, Inc., a solar technology company, specializes in the design and manufacture of integrated solar power systems, and associated project development and product distribution. For more project information, contact David Love, Government Sales Manager, tel: 360-754-2564, email: sunwizewa@earthlink.net. For company information, contact Laurie DuBois, Marketing Manager, tel: 845-336-0146, email: sunwize@besicorp.com.

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