



Energy SmartPARKS Proposed Project List



To showcase sustainable energy best practices and fulfill the National Park Service (NPS) mission of environmental stewardship, the NPS has teamed up with the U.S. Department of the Interior (DOI) and the U.S. Department of Energy (DOE) in a new program called **Energy SmartPARKS**. The goal of **Energy SmartPARKS** is to spark a green energy future in America. In 2009, the NPS will conduct 16 different projects funded by an initial \$1 million investment by DOI and DOE.

University-NPS Energy Partnership

Conduct energy conservation audit at 20-30 parks.

National Park Service Lighting Guide

Update a lighting guide produced in 2001 to incorporate outdoor, museum, statue and other lighting aspects in place within the NPS.

Antietam National Battlefield

Replace chipped and failing tint on visitor center windows to improve energy efficiency.

Cabrillo National Monument

Replace three large, single-pane, aluminum-framed windows on west side of visitor center administration building with energy efficient dual-pane, tinted windows.

Cape Cod National Seashore

Use wind speed and direction data taken from a wind meteorological tower installed at the Highlands Center site in conjunction with Massachusetts Technology Collaborative and University of Massachusetts Renewable Energy Laboratory to inform a feasibility study for wind power production at the site.

Chickasaw National Recreation Area	Employ energy conservation measures including: insulation, weather-strips, patching structural holes, seal and insulate ducts, install four new HVAC systems, and install programmable thermostats.
Fort Larned National Historic Site	Replace and/or retrofit lighting in the park's visitor center, museum, administrative office and maintenance shop.
George Washington Memorial Parkway	Install solar powered street lights at Daingerfield Island parking lot.
Hawaii Volcanoes National Park	Analyze outdoor lighting around developed areas in the park, and designing/installing new replacement lights where they are needed.
Independence National Historical Park (Phase 1)	Conduct an energy conservation audit and feasibility study of installing solar panels on the roof of Independence Living History Center.
Isle Royale National Park	Repair or replace five primary photovoltaic (PV) panels, battery charging systems, and electrical components to operate the solar powered water systems, chlorine pumps, lighting in employee quarters and ranger station radios.
Jefferson National Expansion Memorial	Replace 10 existing, old electric hand dryers in the Gateway Arch restrooms with new energy efficient models that are 80% more energy efficient.
Lowell National Historical Park	Install advanced data logging and metering parkwide.
Mojave National Preserve	Install off-grid solar array system at Zzyzx Desert Studies Center.
Pipestone National Monument	Purchase an electric powered utility vehicle for the park's Resource Management Division.
Tumacacori National Monument	Replace 25 old single pane windows in two park buildings with high efficiency windows.