



U.S. Department of Energy
Energy Efficiency and Renewable Energy

Native American Renewable Energy Program Development

November 17, 2003

Sandra Begay-Campbell
Principal Member of the Technical Staff



Native American RE activities featured in Sandia Technology Quarterly & Lockheed Martin Customer Focus Newsletter



Sandra Begay-Campbell with two Navajo electrical technicians checking an NTUA PV system in the Kayenta District, Arizona.

Making Decisions for Seven Generations

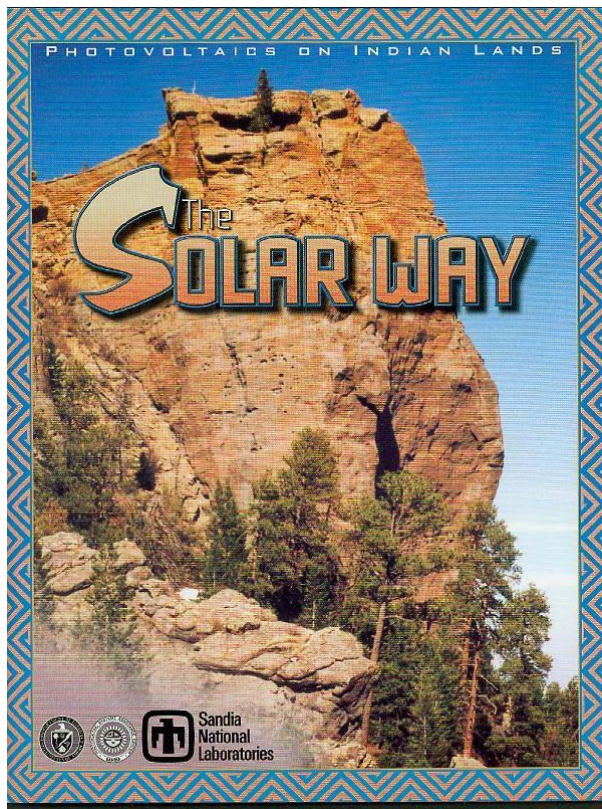
As a member of the Navajo Nation and whose many relatives spent most of their lives on arid desert tribal lands near Gallup, New Mexico, Sandra Begay-Campbell seizes every opportunity to acquaint Sandians and representatives of U.S. government agencies with the remote tribal reservations.

With approximately 200 Native American employees at Sandia, Sandra and other Native American colleagues are able to draw from their cultural heritage to explain options to Native Americans and to serve as cultural interpreters to other partners.

Native Americans bring traditional perspective to technical solutions



The Solar Way: Photovoltaics On Indian Lands Published At Sandia



- **The full-color, 60-page document illustrates the myriad uses of PV on tribal lands throughout the United States.**
- **The book uses the Seven Generations philosophy to come to organize the material.**
 - Caring for the earth and things on it, and living as sovereign people for Seven Generations
- **The book is intended to help tribes make informed decisions about photovoltaics.**
 - With extensive contacts listed, tribes can network and also conveniently seek technical assistance as they move forward with solar electricity projects.

Check out the web version at <http://www.sandia.gov/pv/lib/solarwaytoc.htm>



Sandia provides technical assistance to DOE EERE Tribal Lands Program



- Sandia provides technical assistance for the DOE Tribal Lands Program awardees.
 - FY04 will include continued support of an ecotourism development (CA-Ramona Band).
- Albuquerque's Southwestern Indian Polytechnic Institute (SIPI) designed & installed photovoltaic, wind and solar hot water systems to educate and train Native American students in renewable energy technology.
 - With the students' assistance, SIPI operates and maintains the systems.

DOE's Office of Weatherization & Intergovernmental Affairs Program
http://www.eere.energy.gov/power/tech_access/tribalenergy/



Navajo Nation Solar Electrification Demonstration Project Second Phase is underway



New NTUA Off-Grid Photovoltaic (PV)
Hybrid Unit

Navajo Nation received \$3M FY03 funding with \$800k for PV hybrid units. Sandia support includes:

- Assistance with technical specifications and technical review
- Development of customer video assistance (storyboarding and technical producer interface)
- Offer to assist with acceptance testing & performance testing
- Offer to support maintenance process refinement and data acquisition.

The Navajo Nation Electrification Demonstration Program (Public Law 106-511, Section 602) establishes assistance from DOE.