Sacred Power Corporation

Green Development in Native Communities

*Entrepreneurship, Energy, Housing & Finance*

Albuquerque, NM

December 12, 2008
Sacred Power is

• Design / Manufacturer
• GSA/8A Contractor
• Integrator
• Trainer
Design/Manufacture
Design/Manufacture

DHW Solar Collector
Solar Utility Side of Home

2kW PV Array

Utility & Solar Power Power Center
Design/Manufacture

Solar Inverter
Rating 2kW
Home Service Entry Panel
REC Meter & Customer Generation Disconnect Switch
Utility Meter

David S. Melton
Sacred Power Corporation
Design/Manufacture

PV Array to DC/AC Inverter
Stub-out / conduit run
Pre-wired during home construction

Solar PV Module
Model: PW1250
Power rating: 125W per 20 Modules per Array
Total Power: 2kW
Design/Manufacture

PV 2kW Array

Both Electrical Conduit & Plumbing are stubbed out during home construction

Solar DWH Collector Output Rating 40kBTU
Size 4'x10'

Sacred Power Corporation
2401 135th St, NW Suite 204 & 205
Albuquerque, NM 87104

Solar Energy Efficient Home

David S Melton
Sacred Power Corporation
Design/Manufacture

Sacred Power Corporation

Solar Utility Side of House
- Solar Water Heater
- Heat Exchanger
- Propane Backup
- DHW Solar Connector
  - Size 10" x 4"
  - Rating 400,000 BTU
- Insulation
  - R10 Walls
  - R30 Ceiling
- Energy Efficient Kitchen Appliance
- Energy Star Rating
  - Propane Stove
  - Refrigerator

Solar Arrays
- 4 Places
- 16 PV Modules
- 2kW Total
- Output Power

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SP HOME-1

B

David S Melton
Sacred Power Corporation
Grid-Tie Solar Carports, SIPI
and, soon to be, Plug-in Chargers
70 kW ar SIPI
Largest PV Array in the State
Grid-Tie Solar Carports, IPCC
Grid-Tie Solar Carports, Wiring/Hook-up
Grid-Tie Solar Carports
Grid-Tie Solar NASA. Houston
Public Schools, Solar Electric
Public Schools Solar Pool Heating
Off-Grid: Products

• **SP TEL-Sol™**
  The SP TEL-Sol™ is our patented Heated & Cooled communication equipment shelter.

• **SP Hybrid™**
  Our SP Hybrids are portable, self contained power systems utilizing Photovoltaics, Wind turbines and/or back-up Generators.

• **SP SOLRAY™**
  The SP SOLRAY™ is our patent pending Solar Array. It provides electricity to buildings and other devices.
Off-Grid: System Manufacturing
Off-Grid: Tribal Electric Utility Services
Off-Grid: “Support The People”
Off-Grid: Tele-Communications
Off-Grid: World-Wide Seismographic Monitoring
Off-Grid: Water Pumping
Sacred Power Corporation

Installations around the Country

- AIPC, Albuquerque 11kW
- Pueblo of Santa Ana, NM 13.2kW
- Pueblo of Laguna, NM 21.1kW
- SIPI, Albuquerque 19.7kW
- Mescalero, NM 21.4kW
- Lower Brule, SD 8.2kW
- Standing Rock, SD 8.2kW
- Turtle Mt., ND 8.2kW
- Wind River, WY 8.2kW
- Hualapai, AZ 17.2kW
- Owyhee, NV 8.2kW
- Hopi, AZ 23kW
- Ft. Totten, ND 8.2kW
- Ute Mountain, UT 8.2kW
- Winnebago, NE 8.2kW
- Havasupai, AZ 16kW
- Pueblo of Jemez, NM 7kW
- Yavapai-Apache, AZ 7.5kW
- Navajo, NM 96kW
- Santa Clara, NM 2.5kW
- Ute Mountain, CO 1.2kW
- Southern Ute, CO 0.8kW
- Alamo (Navajo), NM 5kW
- Cameron Navajo, AZ 120kW

- Total 477 kW

On 25 different Reservations

To be installed this year

- Birdspring, Coppermine, and Inscription House Navajo, AZ 168kW
Environmental Impacts
(on tribal lands only)

Coal savings:
– 2,104,960 tons per year.

Water Savings:
– 19,598,900 gals. per year

Carbon Dioxides Avoided:
– 561.1 tons avoided annually
Training