



Gasification Demo hosted by DOI/DEMD, DOE/Sandia & Denver Zoo  
Held at SIPI – Tribal College

## DOE / SANDIA TRIBAL ENERGY

### Technical Assistance

## Tribal Examples

DOE TEP Peer Review  
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**DOE TEP  
Feasibility grant**  
• completed a Wind  
Feasibility Study



**Renewable Energy Service**  
Providing rural Navajo families  
ACCESS to electricity

- PV/Small Wind hybrid optimization
- O & M Process Documentation
- Former intern now RE Engineer



**DOE Solar grant  
DOE EECBG grant**





**3<sup>rd</sup> Party Neutral Technical Advising**  
• Industry biomass proposal



**I-Sah'-Din'-Dii Housing**  
5 Sustainable Design Strategies:

- ✓ Site
- ✓ Water
- ✓ Energy
- ✓ Materials
- ✓ Indoor Environment

Sandia Intern research: green building

**Strategic Energy Planning**  
Tribal Council, President, Staff  
• Consensus based facilitated session



**Indian Canyons Trading Post – Off Grid Solar Installation**  
Pictured from south side of facility

**Tribe identified renewable energy resources and projects to be developed**

- Indian Canyons Trading Post listed



**Sandia intern research**

- 80% of costs saved over time
- benefits of energy efficiency & renewable energy (design of system & carbon emission savings)

**DOE TEP First Steps grant**

- Tribe created a strategic plan for the tribe's energy resource



**DOI DEMD grant**

- Tribe identified (Phase I) & developed (Phase II) the Tribe's solar energy resource for the Trading Post

**Tribe identified renewable energy resources and projects to be developed**  
Geothermal and Solar resources identified



**3<sup>rd</sup> Party Neutral Technical Advising**

- PV vendor proposal



**DOE Feasibility grant**

- Tribe enhanced strategies geothermal resource for development



**DOE Pre-development grant**

- Tribe continuing its work for geothermal development



**Jemez Pueblo Geothermal Resource**  
Local hot water spring



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