DEPARTMENT OF ENERGY

Office of Energy Efficiency and Renewable Energy

Tribal Energy Program

Eastern Shoshone Tribe    Northern Arapahoe Tribe
Project Overview
Participants
Project Location
Project Status
Project Overview

- Developing a sustainable, integrated wind energy plan for the benefit of the Tribes.
- Provide a preliminary evaluation of the technical, economic, social and environmental feasibility of the wind energy project.
Project Participants

- Decision Makers
  - Eastern Shoshone Tribe
  - Northern Arapaho Tribe
  - Joint Business Council

- Funding Assistance
  - DOE Tribal Energy Program

- Technical Assistance
  - Tatanka Energy Services (Cost Sharing Partner)
  - Disgen Native American Programs and Resources (Cost Sharing Partner)
Eastern Shoshone & Northern Arapaho Tribes on the Wind River Reservation

Decision Makers

- Joint Business Council

- Eastern Shoshone Tribe
  - Contact: Jeremy Perry
  - Agreement with DOE
  - Intertribal COUP member

- Northern Arapaho Tribe
  - Contact: Mike Lawson
Eastern Shoshone & Northern Arapaho Tribes on the Wind River Reservation

Decision Makers

- 2.2 million acres reservation is shared by 2 Tribes.
- 3500 Eastern Shoshone members
- 7,000 Northern Arapaho members

Tatanka Energy - DISGEN Native American Programs and Resources
Funding Assistance

- $224,155 Budget
- DOE Tribal Energy Program
  $190,405
- Tatanka/Disgen
  Cost Share $33,750
Technical Assistance

- Tatanka Energy Services
  - Pat Spears

- Distributed Generations Systems, Inc
  - Native American Programs and Resources
    - Belvin Pete, Navajo
    - Kandi Mossett, Mandan, Hidatsa, & Arikara Nations
  - Western EcoSystem Technologies
  - Ed McCarthy, Meteorologist

- Providing the Cost Share to the Feasibility Study
Objectives

- Assess wind resources on the tribal lands
- Assess the potential environmental impacts of renewable development
- Assess the transmission capacity and capability
- Establish economic models for tribal consideration
- Define economic, cultural and societal impacts
- Submit a final report on the activity
Relevant Background Information

- Wind Powering America
- Anemometer Loan Program
- 2 sites were evaluated
  - Bighorn Flats
  - Boysen Peak
Eastern Shoshone & Northern Arapaho Tribes on the Wind River Reservation

Project Locations

Boysen Peak Site

Sheldon Dome Site

Big Horn Flats Site
Accomplishments

- Site Visits by Participants
- Joint Business Council approved Sheldon Dome site.
  - Instrument an existing communication tower
- The Boysen Peak site is on next agenda for approval
Technical or Management Issues

- Communication
- Communication
- Communication
Activities Yet to Be Completed

- Met Tower installations
  - Planned November
- Collect 1 year of wind data
- Phase One Avian Screening
- Transmission Capability Review
- Economic / Market Review
Thank you

Questions?