Northern Cheyenne Tribe

Wind Power Project

Program Review 2006

Ingrid Gardner
Project Overview

- Project began in 2002
- Sole decision maker and final authority
  - NORTHERN CHEYENNE TRIBE
- Technical Participant
  - Distributed Generation Systems, Inc.
- Tribal Participant
  - TRIBAL EDA COMMITTEE
  - TRIBAL EDA PLANNER
Project Design

• Development Phase Approach

  – *Long Term Wind Data Collected*

  » RAWS SITE
  » AIR QUALITY SITES
  » ON-SITE MET TOWERS
    50 meter tower
    20 meter tower
• Pre-Construction Phase

» 30 MW Project …

» 69 KV Line …

» 20 GE 1.5 MW Turbines …
Physical Description

• Located on Tribal Trust Land

  » Rolling hills and deep ravines

  » 4200’ in elevation

  » Land Use is grazing

  » Land Cover is seasonal grasses
Figure 2. A map showing existing road and proposed turbine locations.
Figure 4. A map of vegetation types in the project area.
Figure 5. Locations of point counts, eagle survey routes, and raptor nest search areas surrounding the project area.
Project Dynamics

• Environmental Assessment
  » Phase I Avian Study
  » Cultural Assessment
  » Geotechnical Analysis
  » Biological Assessment Report
  » Final EA Report
  » Interconnection Studies
NC Tribe Involvement

• Tribal Government Structure—“Separation of Powers”
  
  Executive – Tribal President
  Legislative – Vice President, Council
  Judicial - (2) Elected Judges
Tribal Structure cont.

• Established Boards & Committees
  • Natural Resources Board
  • EDA Committee
  • Cultural Resources Board
  • Land Committee
Future Project Plans

• Project Financing- Disgen
  • Available & Marketable Wind
    – STATE & PPA Issues
    – Interconnect Studies

• Project Financing- Tribe
  – Tribal Priorities- other Resource Issues
  – EDA Committee & EDA Planner

• Solution
  – Tribal Energy Team