Cherokee Wind Project Synopsis

- Financially Feasible Wind Resource
- Electrical Load for all Cherokee Entities is $8 million
- 100 megawatt (40 Wind Turbines)
- Offset Entire $8 million Tribal Electrical costs
- Recover Initial Project Investment in 5 Years
- Gross $198,764,490.00 in Years 6 – 20
- Other Commercial, Industrial, and Residential Loads
- Development Company
- Cherokee Nation Tribal Utility
- Cherokee Nation Enterprises Branding
Project Participants

- Wind Project Manager – Carol Wyatt
- Project Developer – Joseph Brignololo
- Sr. Financial Analyst – Scott Knowles
- CEO – David Stewart
- IT Specialist, Data Guru – Scott Williamson
- Cherokee Nation Office of Environmental Systems Department
Project Objectives

- Install 100 Mw Wind Farm
- Offset $8 million of Tribal Load
- Develop Local, Regional, and National Green Tag Market
- Sell Excess Power to 1 or 2 Retail Customers
- Identify and Isolate High-Load Centers for Distributed Generation
- Use Current Experience to Form Development Company Concentrating on Assisting other Tribes with Wind Energy
Accomplishments

2+ years Data Measured - Verified Wind Speed
Wind Speeds Measured for 2 Years at Chilocco. . .

Class III Commercial Wind!
Accomplishments

- 2+ years Data Measured - Verified Wind Speed
- Comprehensive Business Plan
- Formed Project Development Team
Accomplishments

- 2+ years Data Measured - Verified Wind Speed
- Comprehensive Business Plan
- Formed Project Development Team
- Develop Business Model from Tribal Expertise
- Documented Tribal Loads
- Commitment from Local and Regional Utilities
Kay Electric Agrees to Install Sub Station!

Project Savings = $2.5-3.5 Million!
Accomplishments

- 2+ years Data Measured - Verified Wind Speed
- Comprehensive Business Plan
- Formed Project Development Team
- Develop Business Model from Tribal Expertise
- Documented Tribal Loads
- Commitment from Local and Regional Utilities
- Develop Marketing Strategies
  - Power
  - Green Tags
Accomplishments

- Research and Development for Tribal Utility
- Determined Project Size for Phase I
- Wind Farm Project Cost Analysis
- ROI Tables
- Evaluated Other Sites for Distributed Loads
DISTRIBUTED GENERATION!
$ 1.7 Million Annual Load and Getting Bigger Every Day!
$1.5 Million Annual Load and We Keep Building!
First Year

- Environmental Studies
- Transmission Evaluation
- Interconnect Agreement
- Power Purchase Agreement
- Power Plant Design & Layout
- Determine and Manage Risk
- Place Turbine Order
Second Year

- Evaluate Other Loads Centers
- Develop Marketing Strategies
- Transportation and Erection
- Develop Branding Strategies
- Determine and Manage Risk
- Foundation Design & Installation
Third Year

- Erect Project at Chilocco
- Re-evaluate Market
- Study Wind Farm Expansion
- Develop Offset for Local Loads
- Determine and Manage Risk
- Use Acquired Development Skills to Expand Business Unit
Cooperative interaction among groups, especially among merged parts of an entity with common interests, that creates a greater and enhanced combined effect.