

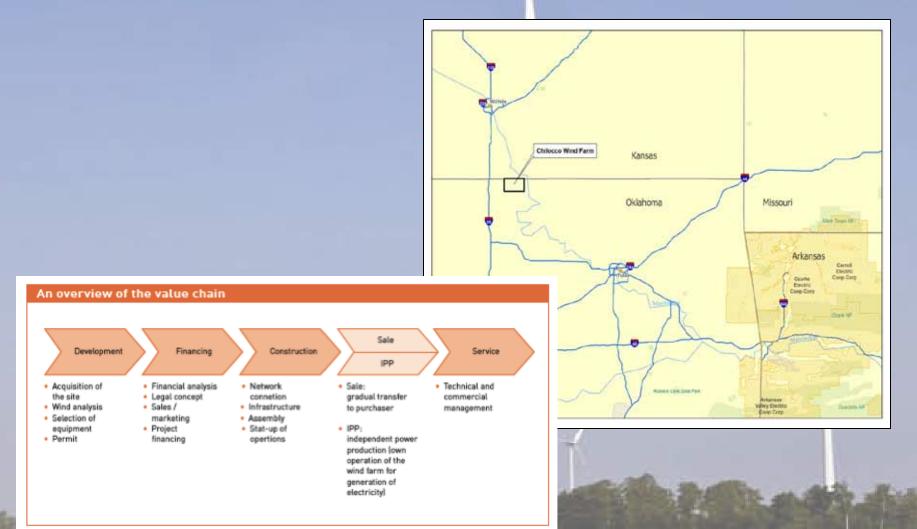
Presenter: Carol Wyatt

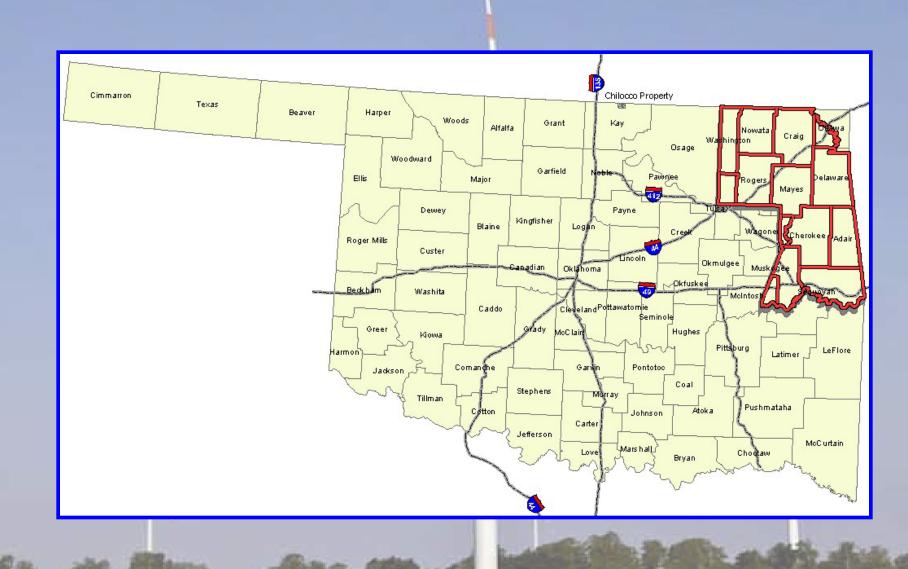
Cherokee Nation Businesses, Inc.

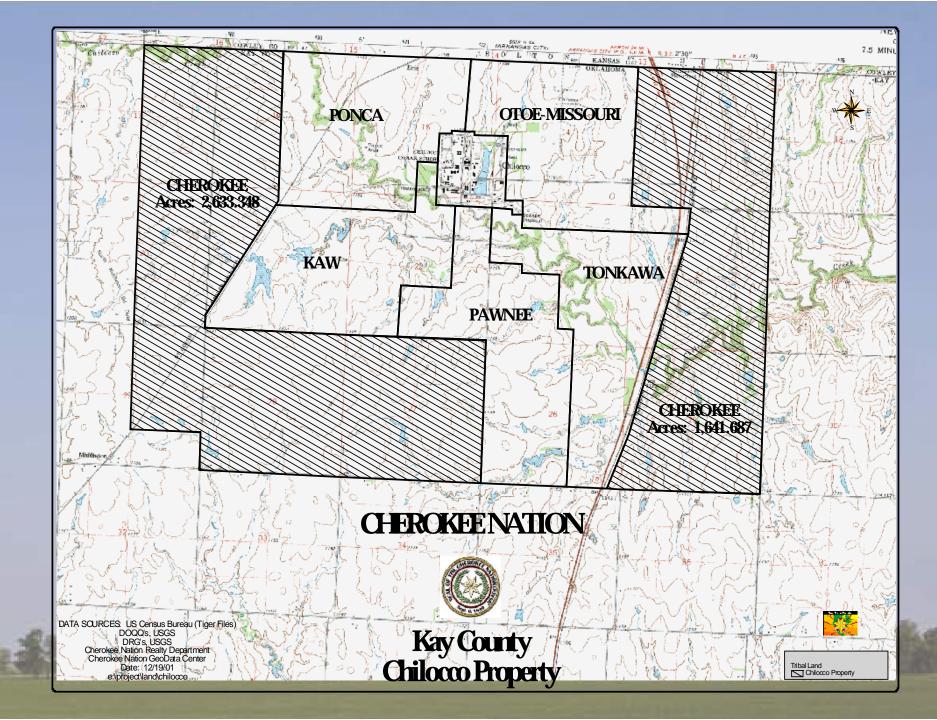
DOE Tribal Energy Program

November 15, 2011

Cherokee Chilocco Wind North Central Oklahoma Location







Cherokee Wind

Accomplishments:

- Feasibility study
- Business plan & white paper
- Completed wind resource assessment (WRA)
- Conducted turbine comparison
- Southwest Power Pool interconnect completed
- Finalizing environmental studies
- Engaged PNE Wind for development
- Bid Power Purchase Agreements (PPAs)
- Finalized firm transmission studies

Cherokee Wind

- Advantages
- Expends utilization of transmission
 - Power transmission interconnect is under 2 miles
 - Local existing substation
 - Cherokee Nation owns land
 - Revenue and jobs to economically depressed area
 - Potential for double REC value
 - Demonstration project of tribal-owned wind

Cherokee Chilocco Wind

Disadvantages / Hurdles

Tribes don't qualify for tax credits

Marginal wind speed

No power purchase agreement

Highly competitive natural gas market

Oklahoma lacks a renewable portfolio standard

Inexperience in managing renewable energy

Resolutions

Tax Equity Partner on SPV

Redesigned Layout Maximizing Power Output

Currently Bidding

Price Competitive to Gas

Project Retains Support of State Government

Partnership with PNE Wind

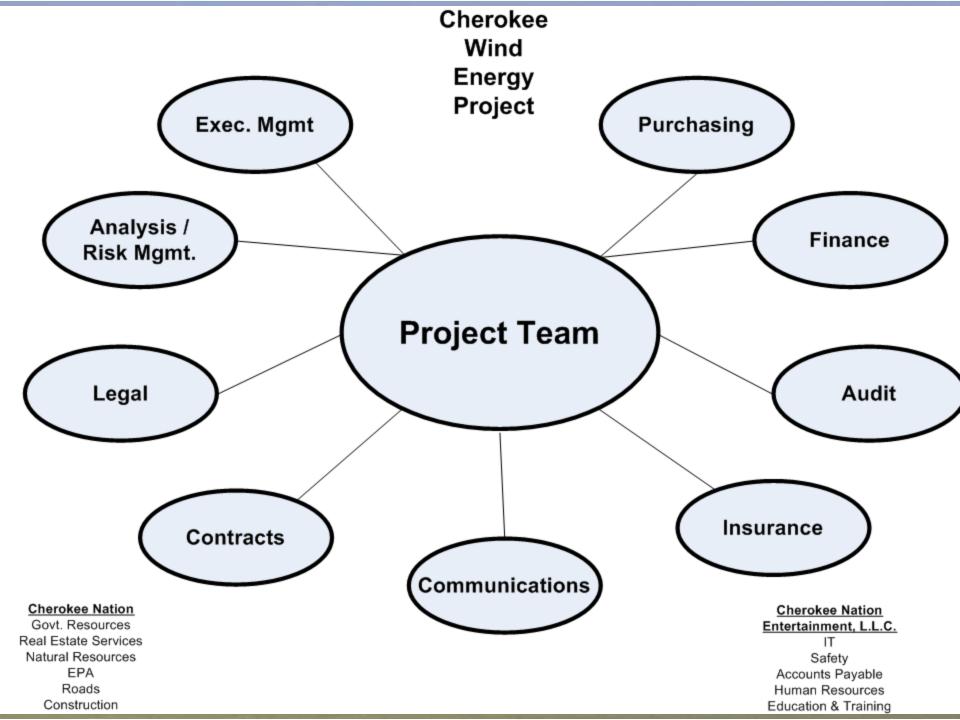
Cherokee Wind Environmental Studies

- Spring Avian ü
- ABB study ü
- Fall Avian ü
- Eagle study ü
- Bat study ü
- Environmental assessment (EA)
- Section 7 endangered species
- Archaeological / cultural studies
- Surveying / topographical

Cherokee Wind

Southwest Power Pool transmission and interconnect

- ü Feasibility (7-28-08) \$10,000
- ü Preliminary Interconnect Study (8-01-09) \$60,000
- ü Definitive Interconnect Study (3-31-10) \$150,000
- ü Facilities Study (9-30-10)
- ü Interconnect Agreement with SPP & OG&E (8-11-11)



Cherokee Chilocco Wind

- Going forward
- Gaining knowledge / experience
- Developer diligent on Power Purchase Agreement
- Department of Defense interested in power purchase
- Financing / investor options
- COD Q4 2012



