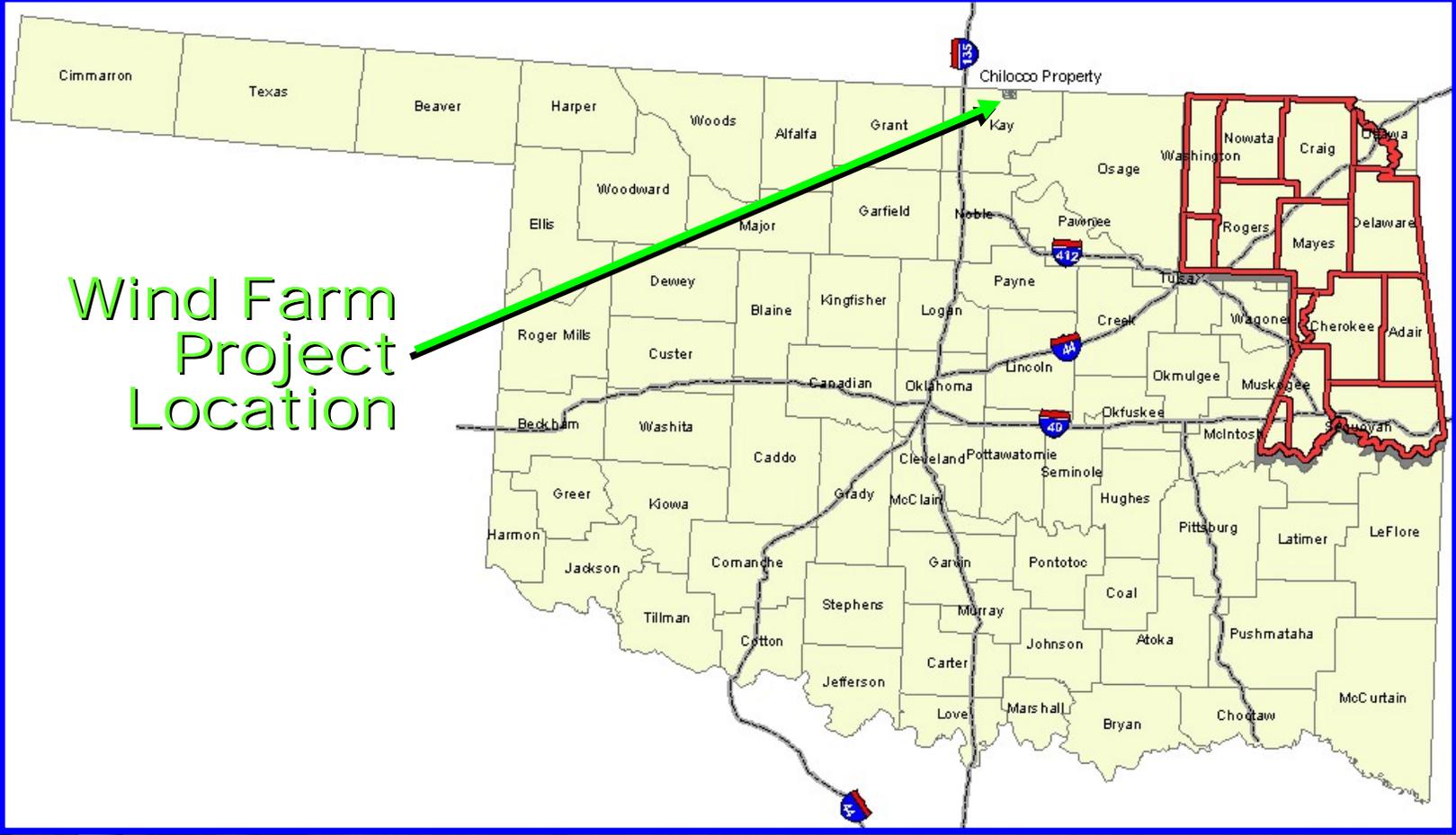


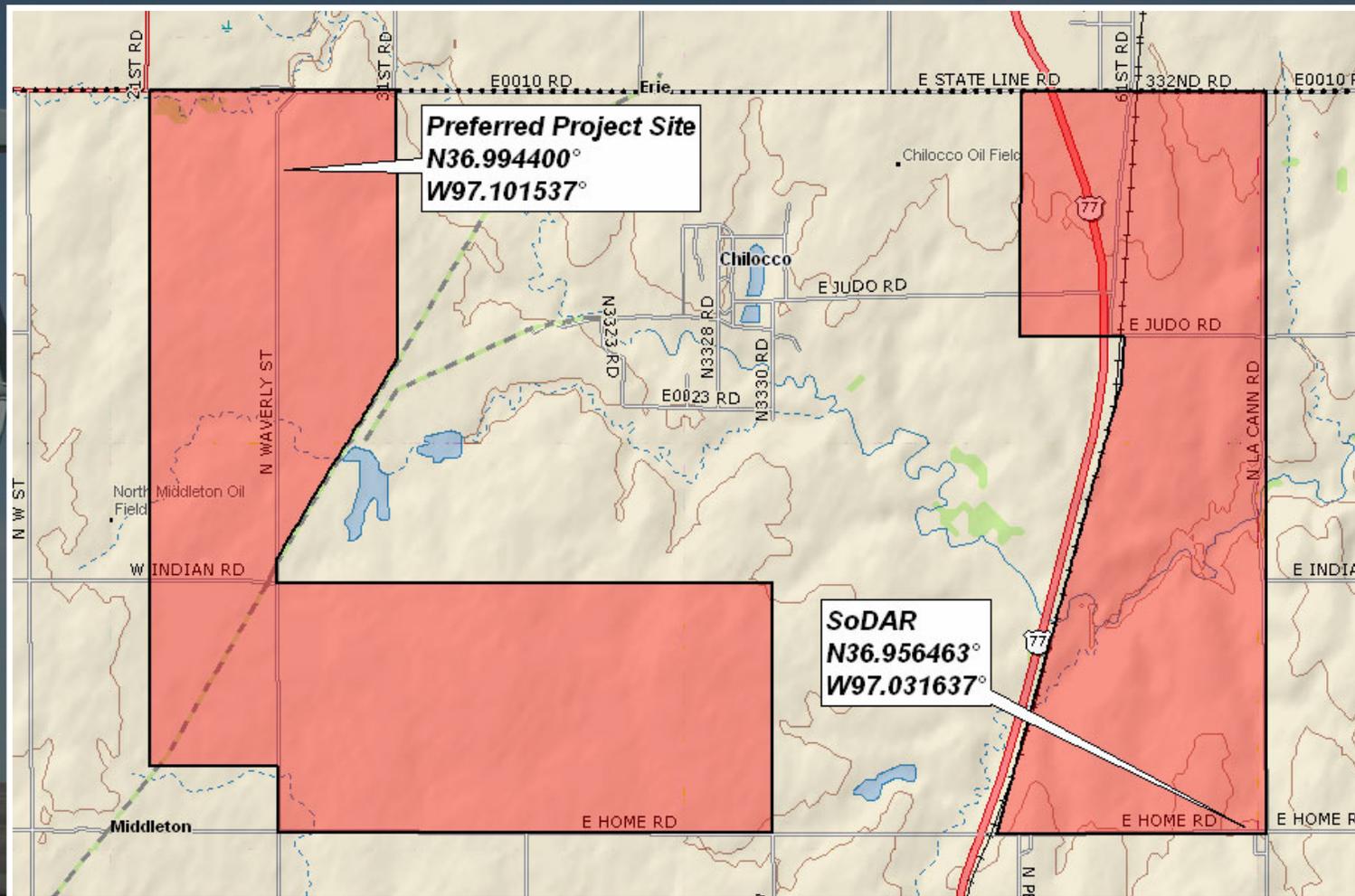
Presented by: Carol Wyatt, CNE
24 October 2006 – Tribal Energy Program
Denver, Colorado

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

Wind Farm Project Location





Project Participants

- **Wind Project Manager – Carol Wyatt**
- **Project Developer – Joseph Brignolo**
- **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**



Patrick and
Henderson Inc.



WECS Electric



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**

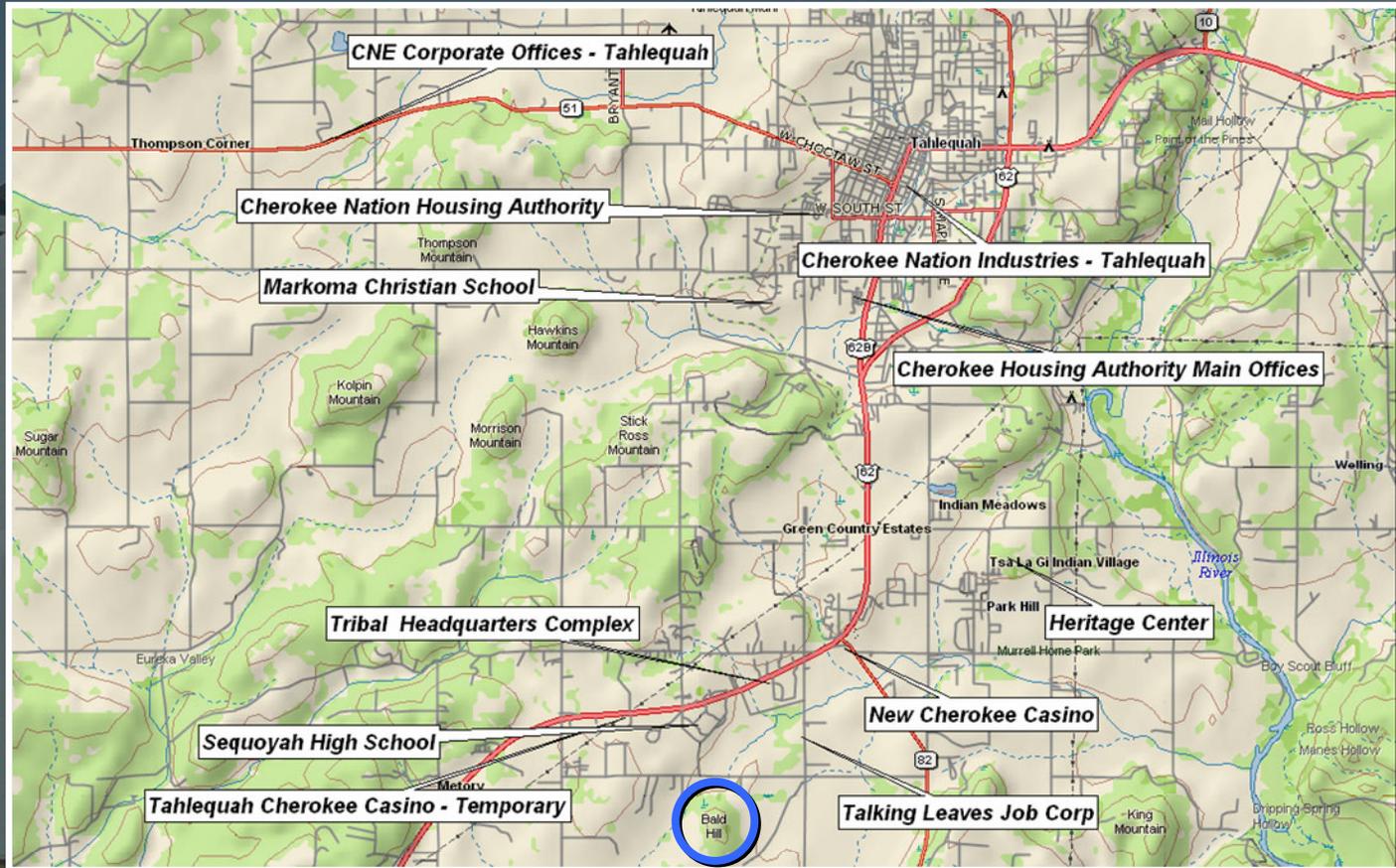
Accomplishments

- ✿ **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**

**\$ 1.7 Million Annual Load and
Getting Bigger Every Day!**



\$ 1.5 Million Annual Load and We Keep Building!



First Year

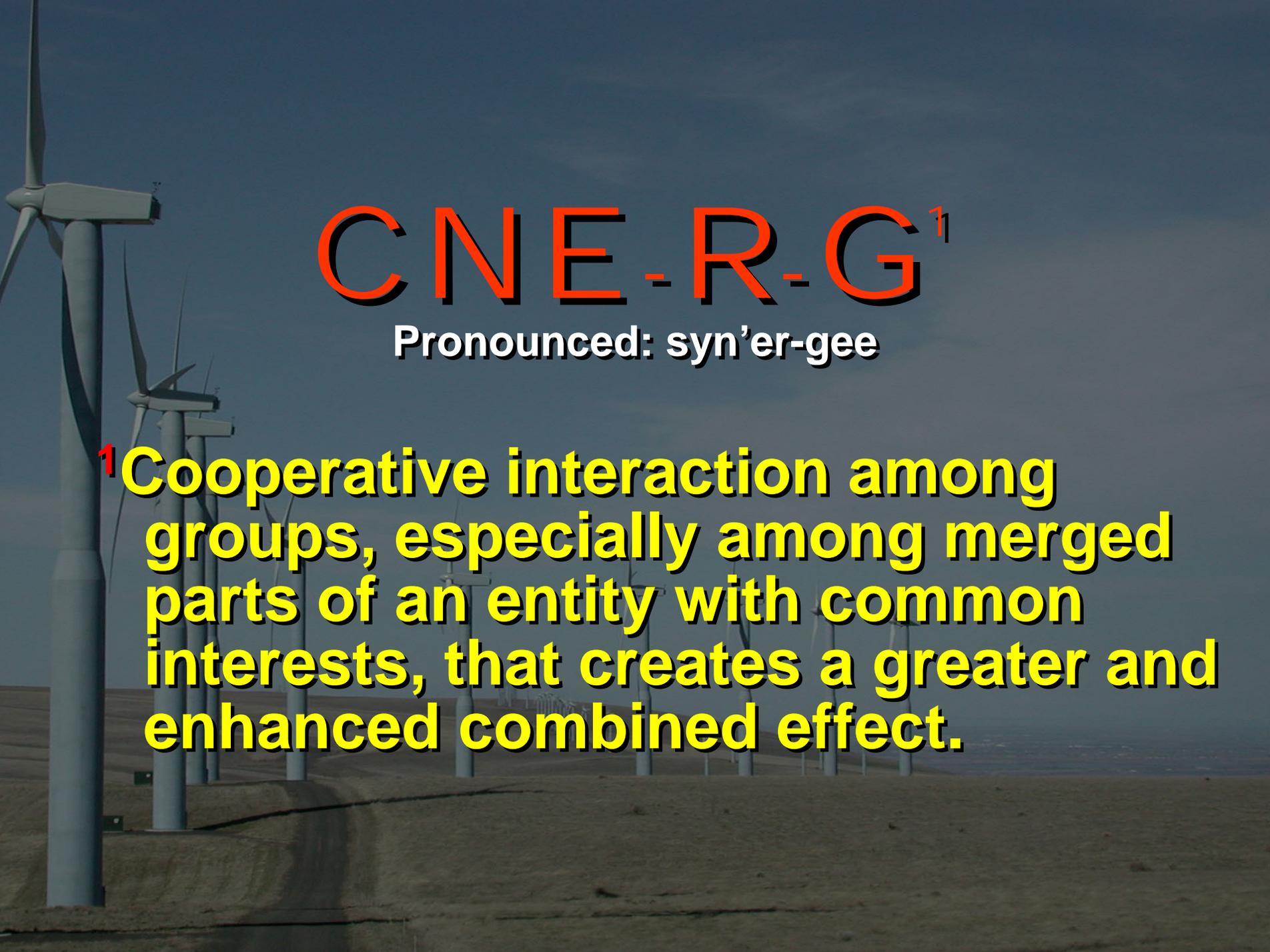
- ❁ Environmental Studies
- ❁ Transmission Evaluation
- ❁ Interconnect Agreement
- ❁ Power Purchase Agreement
- ❁ Power Plant Design & Layout
- ❁ Determine and Manage Risk
- ❁ Place Turbine Order

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

A photograph of a wind turbine farm on a sandy beach. The sky is clear and blue. The turbines are white and spaced out across the landscape.

CNE-R-G¹

Pronounced: syn'er-gee

¹Cooperative interaction among groups, especially among merged parts of an entity with common interests, that creates a greater and enhanced combined effect.