

Standing Rock Sioux Tribe – Lakota/Dakota Nation



Establishment of Renewable Energy & Energy Development Office

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OVERVIEW:



- BACKGROUND INFORMATION ON STANDING ROCK RESERVATION
- SITTING BULL COLLEGE WIND TURBINE
- EECBG ENERGY EFFICIENCY & WIND TURBINE INSTALLATION AT SITTING BULL COLLEGE
- WIND ASSESSMENT STUDY
- ESTABLISHMENT OF RENEWABLE ENERGY & ENERGY DEVELOPMENT OFFICE (REEDO)

STANDING ROCK



- ONE OF SEVEN RESERVATIONS OF THE GREAT SIOUX NATION
- LOCATED IN SOUTH-CENTRAL NORTH DAKOTA & NORTH-CENTRAL SOUTH DAKOTA
- LOCATED IN SIOUX COUNTY, NORTH DAKOTA; CORSON COUNTY, SOUTH DAKOTA AND SMALL PORTIONS OF ZIEBACH & DEWEY COUNTY, SD
- RESERVATION DIRECTLY TO THE SOUTH IS CHEYENNE RIVER SIOUX TRIBE

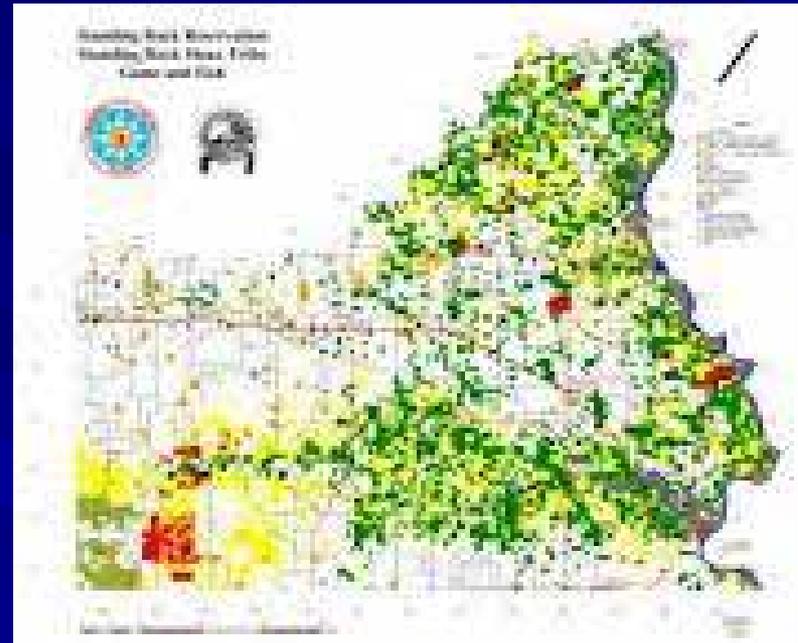


STANDING ROCK



■ LAND

- Terrain
 - Woodlands, rolling hills, river valleys, and lakes
- CHECKERBOARD OWNERSHIP
- ALLOTTED, TRIBAL, AND OTHER (STATE, FEDERAL, NON-INDIAN)
- 2,320,247.67 ACRES
- LOST NEARLY 56,000 ACRES DUE TO THE PICK-SLOAN ACT OF 1944



STANDING ROCK: LAKOTA/DAKOTA NATION



- DAKOTA:
HUNKPATINA &
CUTHEAD -
YANKTONAI
- LAKOTA: MAJORITY
HUNKPAPA,
BLACKFEET



Cetan Wakinyan – Chief
Thunderhawk – Hunkpapa
Lakota

STANDING ROCK SIOUX TRIBE



■ ORGANIZATION

- CHAIRMAN, VICE-CHAIRMAN, SECRETARY
- 8 DISTRICT REPRESENTATIVES
- 6 AT-LARGE REPRESENTATIVES
- SEPARTED INTO 3 COMMITTEES (JUDICIAL; HEALTH, EDUCATION, & WELFARE; ECONOMICS)
- EACH PROGRAM DIRECTOR REPORTS TO A COMMITTEE

SITTING BULL COLLEGE WIND TURBINE



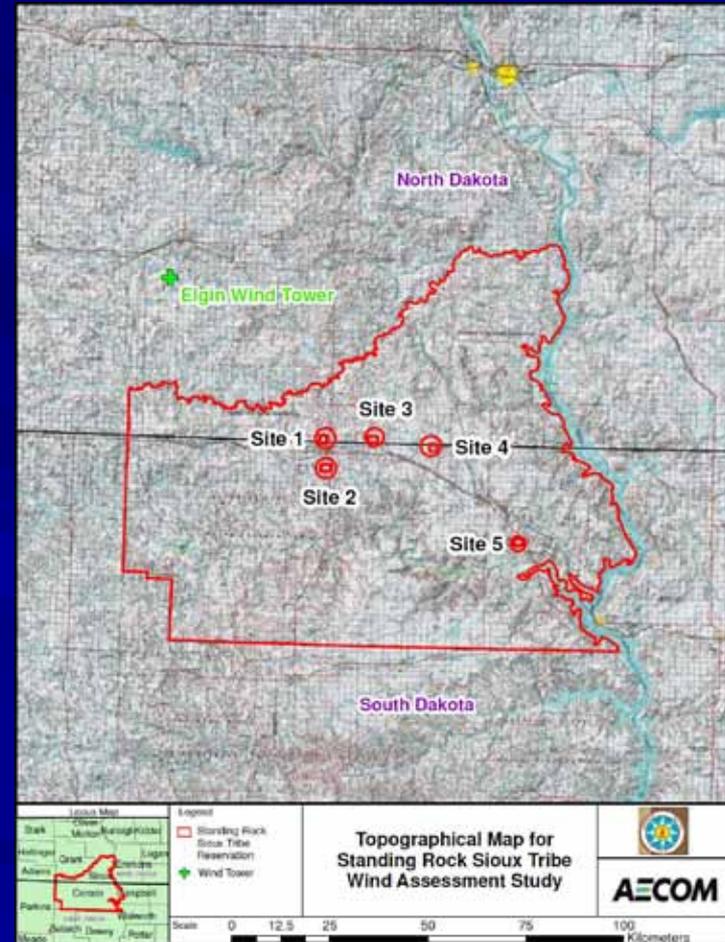
- WIND TURBINE CURRENTLY PROVIDES ENERGY TO THE SCIENCE CENTER & TRANSIT CENTER
- SITTING BULL COLLEGE NOW HAS A 1 YEAR WIND TURBINE TECHNOLOGY CERTIFICATE PROGRAM
 - Introduction to wind turbines
 - Wind energy fundamentals
 - Electricity & circuits
 - Safety & environmental
 - Basic hydraulics
 - OSHA standards



WIND ASSESSMENT



- FUNDED THROUGH THE DEPARTMENT OF INTERIOR
- WORKED WITH CONSULTANT AECOM TO ASCERTAIN THE BEST LOCATION FOR A WIND FARM



EECBG



■ Energy Efficiency

- Two possible locations (science center & family support center)
- Family support center was chosen (Vocational Rehabilitation Program, Campus Kids DayCare, and Teaching & Learning)
- Had the highest energy use/unit area from 2007 – 2010



EECBG



■ Small Wind Turbine Location

- Sitting Bull Finance Center
- Chosen for the location



Renewable Energy & Energy Development Office



- Begin educational outreach activities
- Gathering of data in the 8 communities of Standing Rock including the tribal government
 - Goals & concerns of the SRST
- To serve as a research center and information clearinghouse
- To ensure that energy development proceeds in a systematic way



Renewable Energy & Energy Development Office



- An advisor to tribal government during “energy” decision making
- Oversee current & future energy grants
- Investigate additional types of renewable energy products
 - Educate SRST on types of renewable energy products



Future Plans

- Complete energy efficiency audit on Family Support Center – SBC
- Begin construction of the 10kW wind turbine for the Finance Center – SBC
- WRITE for new grants
- Begin data collection
- Begin research on Renewable energy products and strategic planning
- Begin research on developing an Energy & Mineral Code of Regulation for SRST
- Research on Environmental Effects of Renewable Energy/Energy Development

Summary/Lessons Learned



- There's a lot to do...
- Talk to the community members
- Have an Energy/Mineral Development Office

ANY QUESTIONS/COMMENTS?



*“Let us put our minds together
to see what we can build for
our children.”* Tatanka Iyotake