

# **FORT BELKNAP INDIAN COMMUNITY**

**Department of Energy  
Office of Energy Efficiency & Renewable Energy  
Tribal Energy Program  
2008 Program Review**

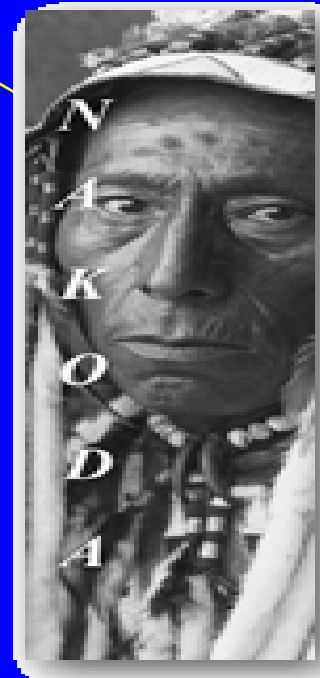
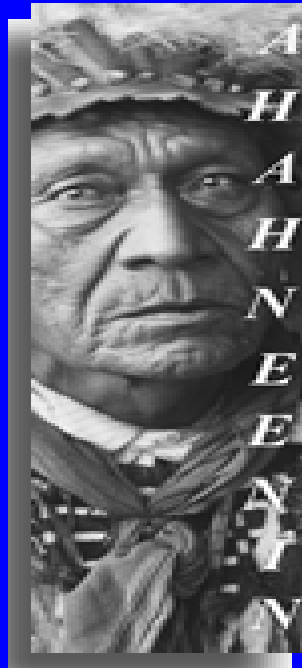
**November 19, 2008**



# FORT BELKNAP INDIAN COMMUNITY

- Tribal History
- Location
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- Project Participates
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- New Projects
- Project Status

# FORT BELKNAP INDIAN COMMUNITY



Established in 1869, the Fort Belknap Reservation is the home to two distinct Northern Nations, the Gros Ventre and the Assiniboine tribes. The reservation is located in north central Montana about 36 miles from the Canadian border. Fort Belknap was established in 1869 near the present town of Chinook, Montana. The new fort served as a trading post and became the government agency for the Gros Ventre and Assiniboine Indians living in the area. On May 1, 1888, a congressional act set aside the land for the Fort Belknap Reservation. Later that year, the agency moved from Chinook to its present location five miles east of Harlem, on the northwest corner of the reservation.



## Fort Belknap Indian Reservation

The Fort Belknap Indian Reservation is located in north central Montana near the town of Harlem. Its northern border runs along the Milk River generally north of US Highway 2 for a distance of about 32 miles. State Highway 66 bisects the reservation on the west side from the Blaine County / Phillips County line (the south border of the reservation) north to US Highway 2. The reservation is approximately 28 miles wide in the east/west direction and approximately 37 miles long in the north/south direction. The total land area of the reservation is approximately 1,011 square miles. Most of the reservation is located in Blaine County, while the eastern most five miles are located in Phillips County.

## Project Overview

Contracted with Distributed Generation Systems, Inc. (“Disgen”) of Lakewood, Colorado to assist in the preparation of the DOE application and to conduct the Study in cooperation with the FBICC’s staff.

Belvin Pete, Navajo, Director NAPRD  
Owner, Tribal Energy Visions, LLC

## Project Participants

- Fort Belknap Indian Community Council
- FBIC Transportation Planning Department
- FBIC EPA
- Disgen Native American Programs and Resources (Cost Sharing Partner)
- Meteorologist Ed McCarthy
- Western Eco-System Technologies

## Objectives

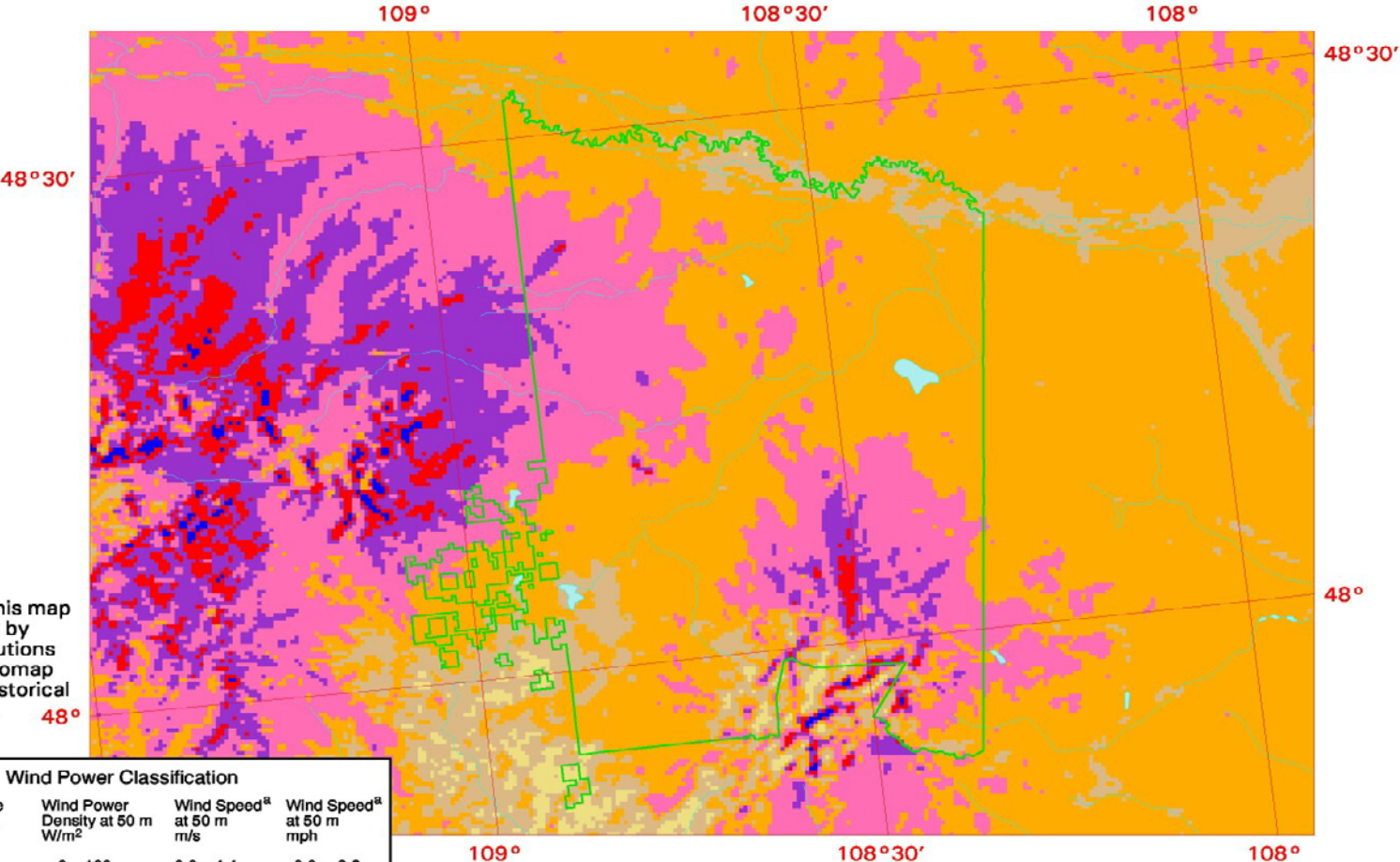
The Study's objective is to fully evaluate the Reservation's potential for wind energy development both for use on Reservation and for export off Reservation. In addition, the FBICC's seeks to evaluate the potential for wind/electric water pumping and modern wind/mechanical water pumping systems for remote areas of the reservation and for wind/hybrid systems that may be used on Reservation in ways that may assist the Applicant in managing its energy costs.



## Project Status

- Wind Resource Completed
- Phase 1 Environmental Completed
- Radio Tower Communications
  - abandon
- Remote water site
  - Buffalo Ranch

# Fort Belknap Reservation - Wind Power Resource Data



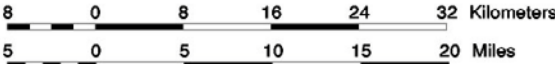
The data for this map was produced by TrueWind Solutions using the Mesomap system and historical weather data.

**Wind Power Classification**

Wind Power Class	Resource Potential	Wind Power Density at 50 m W/m <sup>2</sup>	Wind Speed <sup>a</sup> at 50 m m/s	Wind Speed <sup>a</sup> at 50 m mph
1	Poor	0 - 100	0.0 - 4.4	0.0 - 9.8
2	Poor	100 - 200	4.4 - 5.6	9.8 - 12.5
3	Marginal	200 - 300	5.6 - 6.4	12.5 - 14.3
4	Fair	300 - 400	6.4 - 7.0	14.3 - 15.7
5	Good	400 - 500	7.0 - 7.5	15.7 - 16.8
6	Excellent	500 - 600	7.5 - 8.0	16.8 - 17.9
7	Outstanding	600 - 800	8.0 - 8.8	17.9 - 19.7
	Superb	> 800	> 8.8	> 19.7

<sup>a</sup>Wind speeds are based on a Weibull k value of 2.0

**DRAFT  
NOT FOR PUBLICATION**



U.S. Department of Energy  
National Renewable Energy Laboratory



19-JAN-2002 1.1.19







# Activities Yet to Be Completed

Final Report to DOE

# **FORT BELKNAP INDIAN COMMUNITY**

## **Questions?**

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**Transportation Director**

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