



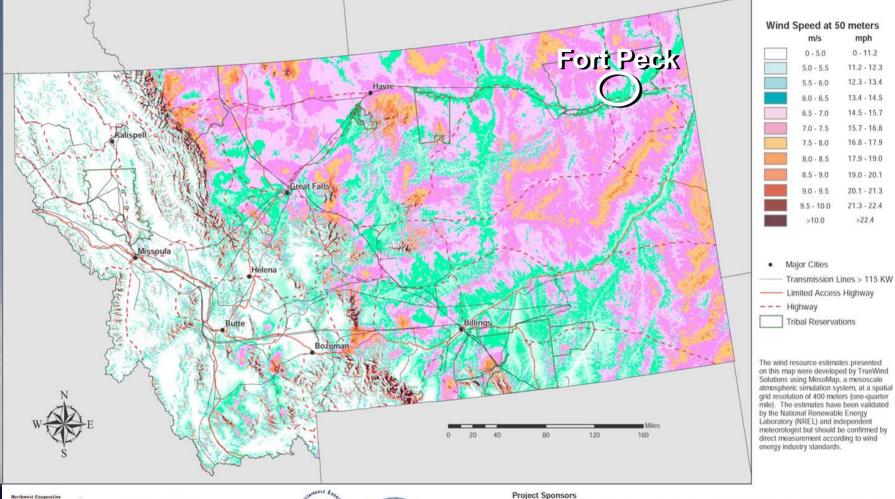


### Joseph Brignolo

Vice President, Operations and Program Development, FAI

Project Manager/Technical Director, Fort Peck Wind Development Project













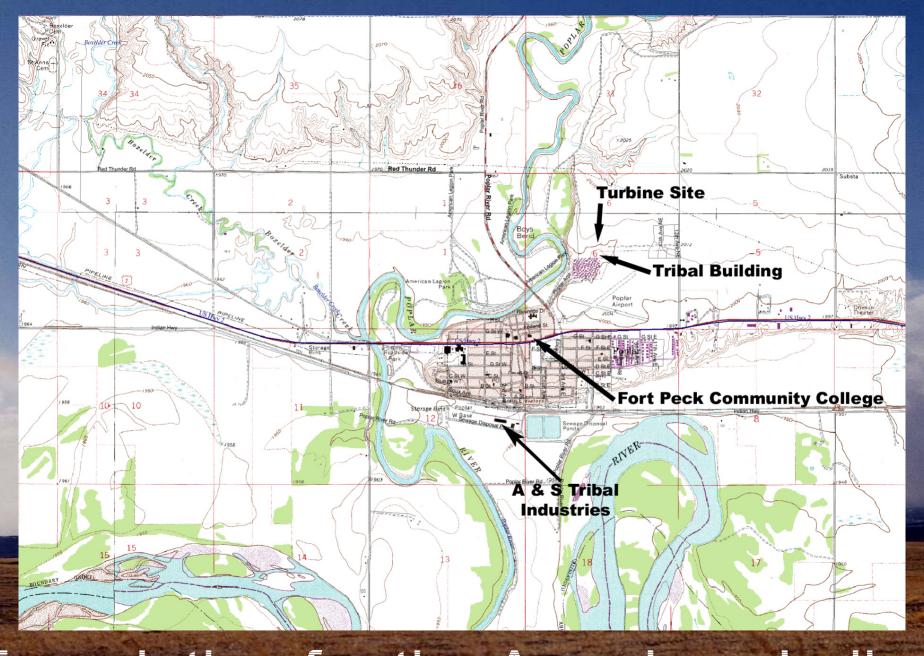


Integral GIS



NREL, the Bonneville Power Administration, Northwestern Energy, the Wyoming Business Council, enXco, the Northwest Power Planning Council, Zilkha Renewable Energy, Klickitat County, EnronWind, ABB, Renewable Energy Systems (USA) Inc., Chelan Public Utility District, Idaho Power, Windland, Inc., WSACAA Energy Project, Vestas, Jones & Stokes, CH2M Hill, Suzion Energy, Northwest Wildlife Consultants, Inc., and Cielo Wind Power.

For more information see www.windpowermaps.org



## PROJECT OVERVIEW

Buy and Install a Vestas V47-660kw Wind Turbine

Direct Connect / Net Meter the Project to 3 Tribal Buildings

Use the Resulting Electricity Savings to Develop and Implement Tribal Socio-economic Programs

Use the Retail Green Tag Sales to Maintain the Turbine and Create a Tribal Energy Efficiency Program

# PROJECT PARTICPANTS

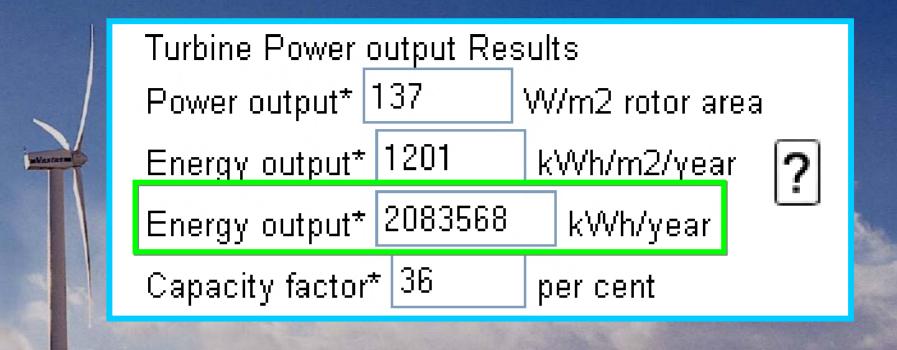
- Department of Energy / NREL
- Fort Peck Community College
- Foundation of the American Indian
- Vestas American Wind Turbines
- Florida Power and Light Energy
- Patrick and Henderson
- Barnhart Crane and Rigging Company
- Montana-Dakota Utilities

#### OBJECTIVES

- Decrease Tribal Energy Dependency
- Increase Tribal & College Cash Flow
- Increase Tribal Employment
- \*Use "Pilot" Wind Development Project to Develop Large-Scale Wind Farm
- Improve Knowledge Base of Renewable Energy at the Tribe

### APPROACHES

- Reallocating Project Electrical Savings
- Establish a Renewable Energy Curriculum at FPCC
- Market Real-Time Green Tags at <u>Retail</u>
- Continue to Develop Our Working Relationship with MDU
- Develop Technical Workforce



SO WHAT DOES THIS MEAN for the FORT PECK TRIBES?

# Fort Peck Project

Energy output\* |2083568

kWh/γear

- x 5.5 Cents per Kwh
- = \$135,431,92 Savings

Foundation for the American Ir

# Fort Peck Project

Energy output\* |2083568

kWh/γear

GREENTAGS...

x 2.0 Cents per Kwh

= \$41671.72 - Income

#### **RESULTS**

The Assiniboine & Sioux Tribes Will Save More than \$ 130,000 Annually on their Electricity....

And will generate More than \$40,000 Annual Income from Retail Green Tag Sales.

Let's Take a Look at How This Will Impact the Tribe...

# SOCIO-ECONOMIC IMPACT

Develop an Educational, Training and Certification Program Which Will Provide Qualified Employees to Their Tribal Industries.

Generate Renewable Energy Knowledge for the Tribe.

Provide an Energy Efficiency Program for the Tribal Elders.

## Technical and Management Issues

- NEPA Compliance
- Soil Samples
  - Foundation Design
  - Weather Cooperation
- Jurbine Delivery and
- o Crane Schedule (Lifting/Rigging)
- Interconnect
- Socio-economic Programs
- Web Site Development
- oundation for the American Indian

# **Current and Future Activities**

- **Permitting**
- Interonnect Agreem 110
- "Green-e" Certification
- Retail Sales Green Tags
- Renew Le Energ, Curriculum
- Corract Negotiations
  Web Site Development

## **Current and Current Activities**

- NEPA Compliance
- NEPA Compliance
- NPEA Compliance
- NEPA Compliance
- NEPA Compliance
- NEPA Compliance
- NEPA Compliance

## **Future Plans**

- - **Project Expansion**
  - Wolf Point Turbine
  - Native American Real-Time
    Green Tags Marketing Company
  - Replicating the FPCC and TMCC Projects at other Tribal Colleges
  - Provide Assistance to the State of Montana for Renewable Energy
- oundation for the American Indian







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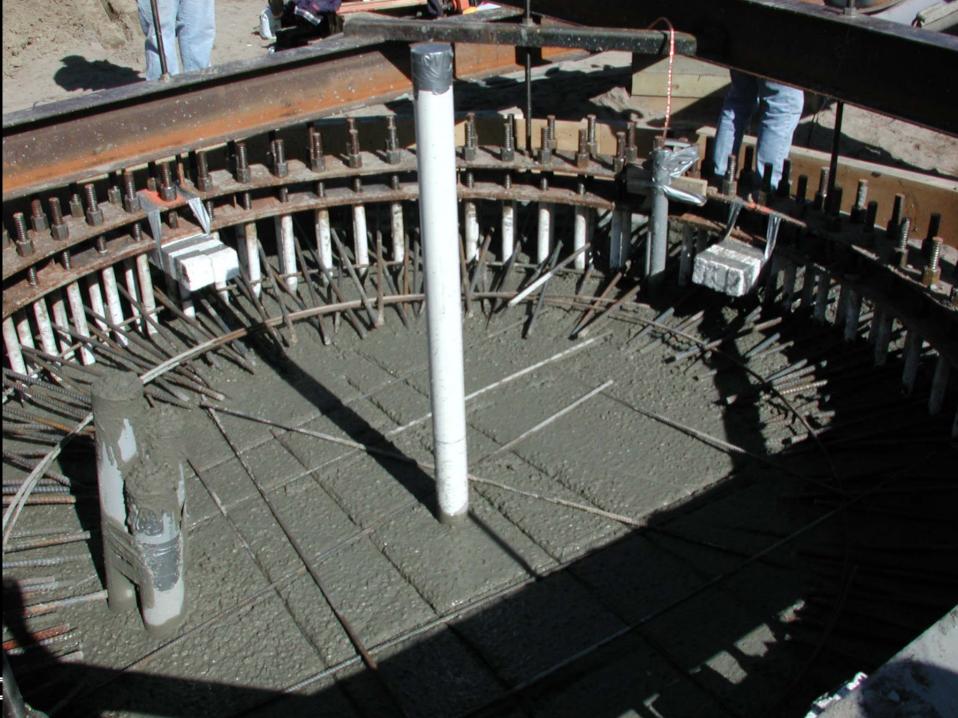
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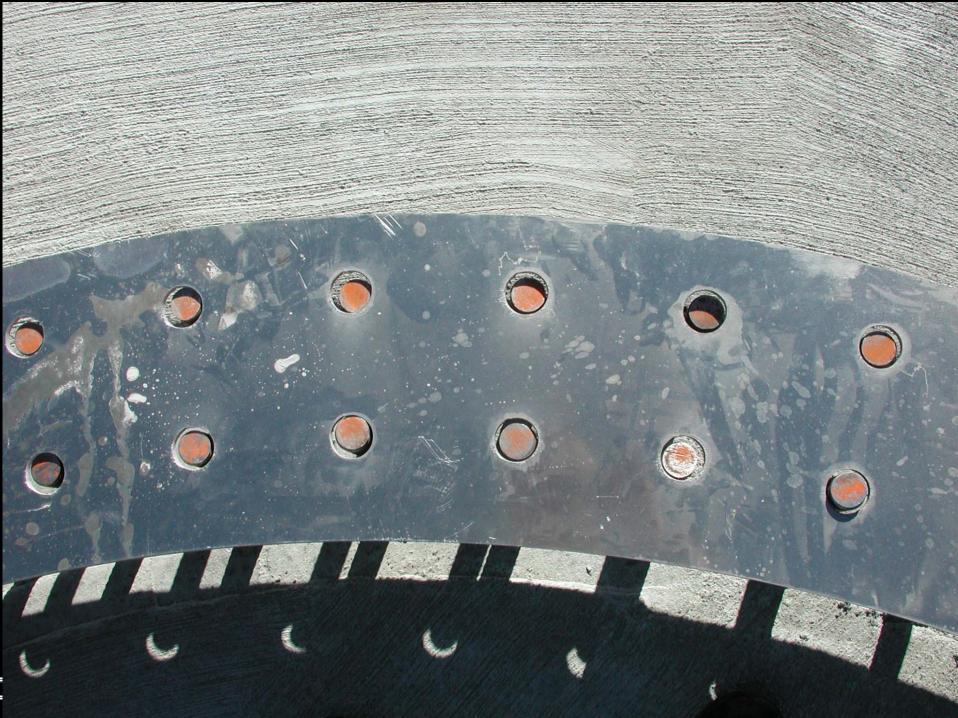








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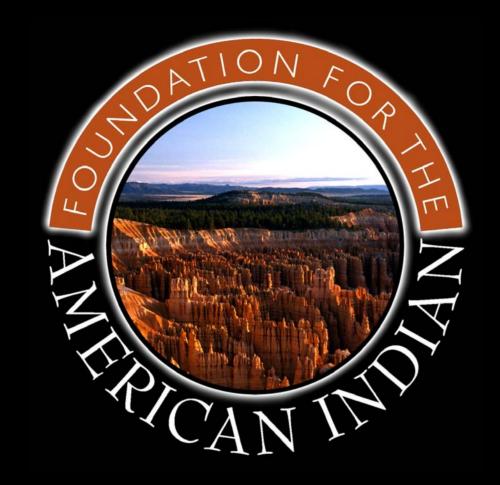












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