Sac and Fox Tribe of the Mississippi in Iowa

Meskwaki Nation

Department of Energy
Tribal Energy Program Review 2009
Denver, Colorado

Wind Energy Resource Assessment on Tribal Land
Presented by: Thomas Gearing
November 19, 2009

Project Participants:
Technical POC: Thomas M. Gearing
Business POC: Lucas Smith (Grants/Contracts Officer)
Meskwaki History
Hello Friend, we are pleased to welcome you to the official website of the Sac and Fox Tribe of the Mississippi in Iowa/Meskwaki. Our Tribe is governed by a seven member Tribal Council entrusted with the welfare of over 1,300 members. Our Settlement Lands include 7,000+ acres in two counties. Through self-determination we have made positive impacts for the people with accomplishments that include the Tribal Court, established in 2005 and Tribal Law Enforcement, established in 2006. Currently, we are undergoing revisions to our Tribe’s Constitution, which was originally created in 1934 as a part of the Indian Reorganization Act. Thanks to our Tribe’s gaming facility, we are able to continually improve and increase on our people’s quality of life.
The Only All-Indian Four-Day Cultural Festival In The State Of Iowa!

2009 95th Annual Meskwaki Indian Powwow
August 6-7-8-9

Held on the Meskwaki Indian Settlement Near Tama, Iowa

- Unique Ceremonial Dances
- Authentic Arts & Crafts
- Historical Preservation Exhibits
- Colorful Native Regalia
- Artisan Demonstrations
- Meskwaki Village Replica
- Food Vendors
- Field Day Events & Contests

Public Welcome!

For Information Contact:
MESKWAKI ANNUAL POWWOW ASSOCIATION, Ph: 641-464-4678 or visit: WWW.MESKWAKI.ORG
Renewable Energy?

- How to become involved
- Places to go
- Contacts to make
- Many free seminars
- Low-cost Expositions ($10 – cheap!)
- Objectives – affordable, clean energy
- Make a plan – wind resource assessment
- Apply for a grant
PLASTIC BOTTLES AND ALUMINUM CANS ONLY
Locate free resources – Wind Maps
We propose to erect an anemometer tower on a 2 acre section of land acquired in 1994 which is held in Trust.

The location is bounded on the north by Highway 30, and on the south by 305th Street. It would be erected on a local high point, a ridge of land that reaches north from the location of the Meskwaki Settlement School athletic fields.

A previous land use for the area had been pasture, but currently it is not in dedicated to any specific use. A more valuable use for the land would be for the assessment project. The Tribal Realty Officer has stated that there are no current plans to use the parcel for any other purpose.
Great Plains Wind Energy Summit

Rapid City, SD
Electrical Engineer at Dept of Interior?
This section provides background information about the Tribal Energy Program. Learn what the program does, how it is organized, and how program activities are implemented. This section also includes contact information for Tribal Energy Program staff.

The Tribal Energy Program, under the Department of Energy’s (DOE’s) Office of Energy Efficiency and Renewable Energy, promotes tribal energy sufficiency, economic development, and employment through the use of renewable energy and energy efficiency technologies.

The program provides financial and technical assistance to tribes for the evaluation and development of renewable energy resources on tribal lands. As building knowledge and skills is essential to developing, implementing and sustaining energy efficiency and renewable energy projects, the program also offers education and training opportunities.

Join our e-mail list to receive information about the program, funding opportunities, workshops and training, and other tribal-energy-related information. To join, send your contact information to Lizana Pierce.

Mission
Offering financial and technical assistance to tribes through government-to-government partnerships that:

1. Empower tribal leaders to make informed decisions about energy choices
2. Bring renewable energy and energy efficiency options to Indian Country
3. Enhance human capacity through education and training
4. Improve local tribal economies and the environment
5. Make a difference in the quality of life of Native Americans.
Assessing the Feasibility of Renewable Energy Development and Energy Efficiency Deployment on Tribal Lands

Funding Opportunity Number: DE-PS36-09GO99024

Topic Area: Renewable Energy Feasibility Studies

Contact Information:

Technical POC
Thomas Gearing (Technical Principal Investigator)
349 Meskwaki Road
Tama, IA 52339
Assess Energy Needs

Meskwaki Settlement: Kilowatt Hours Used, 2007 - 2008
Meskwaki Nation – Sac & Fox Tribe of the Mississippi in Iowa
Request for Qualifications & Request for Proposals
Wind Resource Assessment

1. Introduction

1.1 Document Purpose
This document is an outline defining the needs of the Meskwaki Nation’s initiative in assessing the wind energy resource on Tribal Land with no reference to any specific vendor. The Meskwaki Nation is submitting this Request for Qualifications (RFQ) and Request for Proposal (RFP) to vendors/consultants. The responses to these requests will be used to select one or more candidate vendors for further evaluation.

1.2 Document Audience
The audience includes Tribal Council, Meskwaki Settlement School, Executive Management, Information Technology, Finance, and all identified stakeholders of the Meskwaki Nation as well as selected vendors.

2. Scope and Objectives

2.1 Scope of Work
The scope of work to be performed under this proposal shall include the securing of one anemometer tower with complete instrumentation at 3 levels and data logging and transmission. Contractor will provide for delivery of all equipment to the Tribe’s address in Tama, Iowa. Upon arrival of all necessary equipment, contractor will perform assembly and commissioning of the anemometer tower and data transmission equipment. During the one-year term of data collection, contractor shall provide for the receipt and storage of data at the contractor’s location. At year’s end, the contractor shall provide a meteorological analysis of the year’s data, producing a set of standard meteorological reports suitable for input to technical analysis for specific wind turbine models (technical analysis not to be provided under this proposal).

Please provide the methodology of your project implementation: How quickly can you deliver and install your product? What are the industry ratings of the components you have chosen? If you are aware of similar options for a particular subsystem, you may present both options with your assessment of the relative cost versus quality tradeoffs. Do you have resource maps and/or models that could suggest a more optimal placement of the tower? What type of software is used to track and process the collected information? Are intermediate results readily available if requested?
Meskwaki Nation Special Notices
Public - Request for Proposals

Wind Energy Project - Department of Energy

We have just received good news that the Department of Energy has awarded us a grant to study our wind resource on the Meskwaki Settlement. The amount approved will fund complete studies of all aspects:

1. Technical characteristics of the wind, by installing a meteorological tower
2. Environmental aspects, to protect any plants, animals, birds, etc
3. Cultural and archaeological concems
4. Geological aspects, as regards suitability for building the future wind turbine tower
5. Educational benefits - how we can use our project to benefit our school programs

This is a complex project, but with the accumulated knowledge and experience available here, we can put it together. The end result will be everything we need to completely qualify for building our first wind turbine to bring clean, renewable, affordable electric power to the Meskwaki Settlement.

Next Steps
1. Distribute RFP to interested vendors
2. Post RFP for interested vendors
3. Review RFP received from vendors

For more information contact Tom Gearing at 641-484-4678 ext 2246

If you are an interested vendor and would like to review the RFP, click here.
Post your RFP wherever you can!

RE: Sac and Fox Tribe RFP for wind resource assessment program
Heffernan, Patrick J (RBI-US) [patrick.heffernan@reedbusiness.com]
You replied on 9/21/2009 9:52 AM.
To: Tom Gearing

Tom, please be advised that we have two paths for sending information to our subscribers: the weekly printed bulletins and the website. While we can attach the documents you sent to the project listing on the website, space limitations prevent us from doing the same in the printed bulletins. Most of our subscribers are Web-savvy by now but there are a few holdouts, so you may get a call or two asking you to send them the documents. Just wanted to give you a heads-up. Good luck!

From: Tom Gearing [mailto:gis.it@meskwaki.org]
Sent: Wednesday, August 26, 2009 1:53 PM
To: Heffernan, Patrick J (RBI-US)
Subject: Sac and Fox Tribe RFP for wind resource assessment program

Hi Pat,

We have finished the RFP. It comes with a confidentiality statement and a locator map as well, so 3 attachments. Let me know what I need to do next.

Thanks,

Tom Gearing
Principal Investigator, Wind Resource Assessment Project
Sac and Fox Tribe of the Mississippi in Iowa (Meskwaki Nation)
349 Meskwaki Rd
Tama, IA 52339
641-484-4678
Content Category: RFP

**Avista Issues RFP**
on 28 Sep 2009 by NAW Staff

Avista, a Spokane, Wash.-based utility, has issued a request for proposals (RFP) based on resource acquisition goals identified in its 2009 Electric Integrated Resource Plan [read more]

**Meskwaki Nation RFQ, RFP**
on 09 Sep 2009 by NAW Staff

The Meskwaki Nation of Iowa has issued a request for qualifications (RFQ) and request for proposals (RFP) to vendors/consultants for wind resource assessment. The [read more]

**Division Of Capital Asset Management Issues RFP For Correctional Institution Wind Project**
on 01 Sep 2009 by NAW Staff

Working in collaboration with the Department of Energy Resources, the Division of Capital Asset Management (DCAM) has issued requests for proposals (RFPs) to install two [read more]
Help is available!

Division of Energy & Mineral Development

About Our Company

The Division of Energy and Mineral Development (DEMD), in the Assistant Secretary? Indian Affairs office assists Tribes in the exploration and development of Tribal energy (both renewable and non-renewable) and mineral resources. This activity includes the collection of exploratory and identification data on such resources, the funding and carrying out of feasibility studies, market analyses and other resource development initiatives.

Product Category:
- Other

Contact Information

Winter Jojola-Talburt
Division of Energy & Mineral Development
12136 W. Bayaud Ave, Suite 300
Lakewood, CO 80228
United States

Phone Number
(303) 969-5270
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RFP Results

• 15 companies bid on our wind resource assessment project.
• 12 of the bids were fully qualified and within our budget expectations.
• The 3 best of the companies have been selected for a chance to present their proposals in person.
Wind Energy Site Assessment

Anemometry Specialists wind energy site assessment services can help save you money. The selection of a wind turbine site is crucial to the profitability of your wind project. The availability of wind, transmission lines, value of energy to be produced, cost of land acquisition, land use considerations, and environmental impact of construction and operations can have a major impact on your potential profits.

Securing the right site and fully exploiting its wind resource is critical to the long-term profitability of your project. If you secure an excellent site with sufficient grid capacity and fully exploit its wind resource, you will guarantee that your business will profit from the power you generate.

Typical site location services include:

- Site Visits
- Evaluation of Topography
- Proximity to Power Lines
- Transmission Grid Studies
- Land Use and Ownership
- Compilation of Existing Wind Data
- Environmental Studies and Restrictions
- Permitting Requirements

Our Services

Anemometry Specialists is a full service wind energy assessment company. Use the links below to find out more about our services and expertise.

- Wind Assessment
- Wind Energy Site Assessment
- Met Tower Installation
- Sodar Installation
- Wind Data Collection
- Wind Data Analysis
- Project Management & Consulting
- Tower Climbing Installation
- Maintenance & Repair

Wind Power 2009

We would like to thank everyone that visited our booth during the WindPower 2009 Conference in Chicago. More than 23,000 people attended the show which...
A renewable energy site assessment is the best and lowest risk option to find out if renewable energy is right for you. A certified wind or solar site assessor will meet with you at your home or business to discuss your objectives, evaluate your resource and identify several system options that would be best for your site. Within a few weeks, you’ll receive a written report outlining:

- Current energy use and costs
- Wind or solar resource potential
- System design goals
- Wind and/or solar system options including performance and cost estimates
- Installation barriers
- Siting, zoning and permitting issues
- Utility interconnection issues
- Next steps

A Seventh Generation Energy site assessment will provide you with a comprehensive road map from which to evaluate the opportunities and challenges of a wind system at your site. Most importantly, we will quickly identify any fatal flaws that would stand in the way of your goals.
Energy Infrastructure

As global energy demand rises, resources must be expanded. WPCS supports the development and delivery of energy solutions.

World economies are growing, standards of living are improving and energy supplies are dwindling. It's a scenario that has accelerated the search for new energy sources and better ways of delivery existing supplies. WPCS is contributing in both of these critical areas. WPCS designs and deploys alternative energy solutions in wind and solar power. Through a unique combination of scientific, geologic, engineering and construction expertise, we offer solutions in site design, solar installation, meteorological towers and wind turbine installation. In addition, we support energy companies as they maximize the efficiency of their energy supply infrastructure, by providing a range of services from pipeline trenching to the deployment of wireless solutions.

contact solutions specialist
Current Status:

- Waiting to hear the words: “The check is in the mail”
- Assembling a Final Assessment Committee to pick the contractor to install our anemometer tower.
- Continuing to search for our “Tribal Champion”
Thank You!

• Questions?