

**Anywhere, MT Library  
555 Douglas Street  
Anywhere, MT 59700**

October 30, 2016

NorthWestern Energy Renewable Energy Department,

Attached is the relevant information and bid sheets for the proposed 10kW Wind Turbine at the Anywhere Library. Thank you for the opportunity to present this proposal.

Prior to seeking funding from the USB program, the Anywhere Library formed a study group to research and evaluate renewable energy technologies suitable to our facility. Because we are in the “wind belt” of Montana, wind energy emerged as the best choice; both for production and educational value. The contractor we chose, Windy Brothers Energy, is the oldest and most respected firm in our area, and they have successfully installed over 20 Wind Turbines locally.

Prior to working on this project, we have spent the last three years taking advantage of NorthWestern Energy’s various energy conservation programs. To date we have updated all lighting, improved the building’s HVAC system, and added a number of devices including programmable thermostats and occupancy sensors. The Library staff believes the building is as efficient as possible.

We would also like to point out that as one of the primary gathering places in Anywhere County, the turbine will serve as a town showpiece. And since our area is home to a number of commercial wind generation sites, it gives both locals and visitors an opportunity to observe a smaller turbine up-close. We plan on having informational material available about the turbine and other sites in the area.

Thank you very much for your consideration of this proposal. If we can answer any questions or need to submit further information, please contact us. We look forward to your review and funding of our project.

Sincerely,

*Jane Doe*

Jane Doe  
Chairman  
Anywhere Library Turbine Study Group

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# Sample proposal continued...

## Anywhere Library Project Question Sheet

1. Project Description: This project is to install a 10 kW Turbine at the Anywhere Library in Anywhere, Montana. The turbine will be mounted next to the library on an 80 ft. tilt down tower. The tower is an engineered structure that is part of the package provided by the manufacturer.
2. Project Location: Anywhere Library, 555 Douglas Street, Anywhere, Montana 59555.
3. Project Parts List and Costs: Please see attached bid sheets from Windy Brothers Energy. They are an authorized dealer and installer. The total parts cost for the project are \$47,000.
4. Project Design Costs: None. Turbine type and design are pre-engineered and in accordance with all local codes.
5. Project Labor Costs: \$22,000 (Includes assessment costs, installation and five-year maintenance plan).
6. Project Total Costs: \$69,000.
7. Amount of Funding Requested: The Anywhere Library Foundation is asking NorthWestern Energy for \$62,100 to help fund the project.
8. Other Sources of Funding: The following funding plan will cover the remaining \$6,900.
  - a. Proceeds from 2009 Student Windpower Fund-raiser - \$1,000.
  - b. State of Montana Renewable Energy Revolving Loan (Approved) - \$5,000.
  - c. Funds from Anywhere Library operations and maintenance budget - \$500.
  - d. Donation from Private benefactor - \$400
9. Past Projects: None
10. Nameplate Capacity of System: 10 kW. Literature attached.
11. Projected System Capacity Factor: 17%.
12. Projected Yearly Output of System: 14,892 kWh.
13. Projected Life Expectancy of System: 20 years.
14. Projected Lifetime Output of System: 297,840 kWh.
15. Will This System Be Used in Tandem With Any Other Source of Non-Grid Generation? Yes. The library has a back-up diesel generation system that is approximately 15 years old. Windy Brothers Energy will tie the systems together although the diesel system is meant only for emergencies.
16. Describe the Monitoring and Verification Plan for the Technology? As part of the project, the system performance is linked to the library's computer system. This is done through software provided from the manufacturer and is meant to allow students and library patrons to review performance.
17. Is There a Plan in Place for System Maintenance? The labor costs include a five year maintenance plan. After that time period, the library management will review maintenance needs and act accordingly. This may include renewing the contract with Windy Brothers Energy.
18. What Permits and Permit Jurisdictions are Applicable to This Project? A building and electrical permit are required by Anywhere County. The area is zoned commercial with no height restrictions. All preliminary contacts and the permitting process have been communicated among the Anywhere Library, Windy Brothers, and Anywhere County.
19. Is This a Self Installation or Will a Renewable Energy Installer be Utilized? Installer - Windy Brothers Energy.
20. How Will the Balance of the Project be Paid For? As listed above, library and private funding coupled with a \$27,000 State of Montana Renewable Energy Revolving Loan.
21. Identify the Customer Group the Project Will Most Benefit? Anywhere Library customers, students and townspeople.
22. List Environmental Impacts of the Project?
  - a. Fewer greenhouse gas emissions and decrease in fossil fuel use.
  - b. Use of the available wind resource in Anywhere County.
  - c. Visual introduction for students and others regarding green energy.
23. Have You Selected a Contractor? Yes - Windy Brothers Energy

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