

**TECHNOLOGY ADDENDUM
WIND TURBINES**
RENEWABLE RESOURCES, OPEN SOLICITATION PROGRAM



Site Information
Site coordinates Latitude: Longitude:
Site township, range and section:
Site elevation (feet):
Identify and list the height of obstacles within 500 feet of the site and their compass directions:
List the height, compass directions and distance to tree lines, if any:
Describe potential adjacent property development that could impact wind resource:
Describe the elevation/exposure of the site relative to the surrounding terrain and tree line (include 8 photographs taken from the proposed location of the tower looking in the following directions: N, NE, E, SE, S, SW, W, NW):
Describe any biological or wildlife issues associated with the site of this project. Attach all completed biological and avian studies and list studies planned or underway: If none, explain why:
<i>Please attach a copy of your site assessment.</i>

Wind Resource
Hub height (feet above ground):
Average wind speed at hub height (miles per hour):
Source of wind speed data:
Shear factor, and how determined:
Prevailing wind direction, as affected by obstacles and tree line:
<i>Please attach a copy of your wind assessment.</i>

Wind Turbine Information
Number of turbines:
Recommended minimum tower height, in feet:
Optimal tower height, in feet:
Expected turbine availability factor:
Power curve warrants:
Expected capacity factor, net of losses: %
List assumptions regarding losses (e.g., soiling, parasitic load, etc.):
Nameplate rating and output of turbine (kilowatts and volts):

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Generator speed:
Efficiency of generator:
Power factor of generator:
If the system includes a power factor correction, describe:

Interconnection
Identify the interconnection point, the capacity and voltage level of the interconnection, and any associated requirements (protection, metering, etc.):
Describe any substations and/or transmission lines that will be built to interconnect with the utility:
Does the project have any transmission rights? Yes <input type="checkbox"/> No <input type="checkbox"/>
If so, list and describe.
List any transmission or distribution constraints related to project.
Describe emergency system shutdowns:
Describe utility grid interface controls:
Is there an electrical one-line diagram prepared for this project? Yes <input type="checkbox"/> No <input type="checkbox"/>
<i>If yes, please attach diagram.</i>