



Renewable Energy Research Laboratory

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WIND ENERGY PREDEVELOPMENT SUPPORT: SURVEY FORM FOR ANEMOMETER LOAN

Measuring wind speeds, typically for a year with a 40 or 50m tall anemometer tower ("met tower"), is one of the first steps in determining the feasibility of megawatt-scale wind power at a given site. This survey outlines the background information needed to screen sites for a met tower.

Instructions:

1. Read the loan agreement (<http://www.ceere.org/rerl/projects/support/weps/agreement.pdf>). (The loan agreement does not have to be signed when submitting this form. If the request for a met tower is accepted, then the agreement must be signed before the equipment is loaned. Copy of proof of land ownership will also be required before the loan.)
2. Provide the following information as completely as possible. Use another sheet as necessary. The documents listed at the bottom of the form must be included, and all items in sections marked with an asterisk are required.
3. Send the survey to the Renewable Energy Research Lab at the address above (via email, fax, or post). This survey may be mailed, faxed or emailed, but the maps and photos must be mailed by post.

*Contact Name:	
Name:	
Address:	
Town, state, ZIP:	
Phone number(s):	
Fax: (optional)	
Email: (optional)	
Property owner (if other than contact)	
Name:	
Address:	
Town, state, ZIP:	
Phone number(s):	
Fax:	
Email:	
*Who will be responsible for the periodic exchange of data cards, and regularly checking on the equipment?	

*Proposed Site:	
Town:	
Lat. & Long. (<i>Required.</i>) Refer, for instance, to <i>topozone.com</i> at highest resolution (1:25,000). UTM19 is preferred if possible.	
Elevation: (ft.)	
Elevation of surrounding areas (Is the land higher than the surroundings?)	
Predicted annual mean wind speed at 70m height, from TrueWind Solutions map. See: http://truewind.teamcamelot.com/ne/ Print out the detail sheet	
Cleared area (approx. acres or sq.ft.)	
Amount of space available for clearing. (Clearing to be done by participant.)	
Soil type (ledge, rocky, clay, soil, etc.)	
Describe road access to proposed site	
Distance from property line	
Nearest neighbor	
Nearest structure, & distance	
Describe any obstacles that may influence the wind flow.	
Proximity to airports: name(s) & distance	
Proposed method of protecting equipment from vandal or animal damage	
Site description	
Additional Information about the Proposed Site:	
High voltage transmission lines (not local distribution): Distance, voltage & line owner	
Other available wind data nearby	

Local restrictions on structure height, or other requirements that may impact the met tower or the eventual wind installation	
Project status <i>Describe to what extent the following has been determined or discussed.</i> <i>All of these should be broached early in the process.</i>	
Met-tower permitting status, discussions with town, discussions with neighbors, etc.	
Town & other requirements, e.g. zoning, variances, building permits, height, property-line set-back requirements, noise, FAA etc.	
Discussions with local utility; Name of contact at utility.	
Have you considered financing options? Who is the proposed turbine owner?	
Other parties already involved, if any	
Other	

Attach the following documentation:

- Photographs of the site
- Topographical map(s) with clear indications of:
 - Proposed anemometer location
 - Property lines
 - Area available for installation of wind turbine(s)
 - Nearby power lines and substations
 - Print-out of the site's detail sheet from TrueWind, <http://truewind.teamcamelot.com/ne/>

I verify that I have read the loan agreement, which describes the borrower's responsibilities, and I understand the terms associated with this loan.

Applicant's Name (print) _____

Applicant's Signature _____ date: _____

Property Owner's Name (print) _____ (if other than the applicant)

Property Owner's Signature _____ date: _____