

# WIND FOR SCHOOLS

## SITE VISIT CHECK LIST

*This list comes from a compilation of information given by Baker Renewable Energy,  
Southwest Windpower, and Sustainable Energy Development.*

Date of visit: \_\_\_\_\_

Team members present for visit:

\_\_\_\_\_  
\_\_\_\_\_

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### SCHOOL INFORMATION

Contact at school:

Name: \_\_\_\_\_

Email: \_\_\_\_\_

Phone: \_\_\_\_\_  
\_\_\_\_\_

Address: \_\_\_\_\_

City/Town: \_\_\_\_\_

County: \_\_\_\_\_

Lot size: \_\_\_\_\_

Latitude/Longitude of tower: \_\_\_\_\_

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### SITE CHARACTERISTICS

1. Describe the surface cover (grass, trees, buildings, etc.)

\_\_\_\_\_  
\_\_\_\_\_

2. Describe the surrounding topography (in a valley, on a hill, mountains to west, etc.)

\_\_\_\_\_  
\_\_\_\_\_

3. Elevation: \_\_\_\_\_

4. Is there ample access for installation (Cranes, Cement Truck)? \_\_\_\_\_

5. Soil load bearing pressure (psf; using standard/cone penetration test) \_\_\_\_\_

### TURBINE LOCATION

When siting a turbine you want to consider a couple of things:

- Site your turbine so that the lowest point of the blade rotation is 20' higher than any obstruction within 250' of the location (the 20/250 rule – sometimes the 30/500 rule) – best case is that there are no obstructions within 250'
- Turbine location should be as close to the electrical connection as possible, but not further than 150'

1. Record the distance to:

- Surrounding buildings: \_\_\_\_\_
- Fences: \_\_\_\_\_
- Utility poles/power lines: \_\_\_\_\_
- Property lines: \_\_\_\_\_
- Roads: \_\_\_\_\_
- Any other structures: \_\_\_\_\_

2. Record suggested turbine height: \_\_\_\_\_

ELECTRICAL CONNECTION

1. Contact at electric utility:

Name: \_\_\_\_\_  
Company: \_\_\_\_\_  
Email: \_\_\_\_\_  
Phone: \_\_\_\_\_  
\_\_\_\_\_

2. Locate electric panel. Are there two spare circuit breaker locations? \_\_\_\_\_

3. Record the distance from the turbine location to the electric panel (wire run length):

\_\_\_\_\_

4. Describe any impacts that trenching for the wire connection will have on roads, sidewalks, etc. -

\_\_\_\_\_  
\_\_\_\_\_

5. Obtain a copy of the electric bill or energy data.

ZONING/PERMITTING

1. Contact at county/city planning office:

Name: \_\_\_\_\_  
Email: \_\_\_\_\_  
Phone: \_\_\_\_\_  
\_\_\_\_\_

2. What are the necessary setbacks?

3. What is the height restriction?

4. Will a permit be necessary? If so, what is the cost?

MAPS

- Google Earth image
- Topographic
- Site map

PICTURES

- Panoramic photos (8 directions from tower location)
- Obstructions
- Utility meter
- Electrical box
- Penetration of wiring into building
- View from closest neighbors

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Are there any other safety considerations to be aware of? (i.e. gas and water lines) Explain.

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Do you expect any changes to the wind resource or cost estimates based on site conditions? Explain.

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NEXT STEPS

1. Resource assessment check list – wind resource estimate, output estimates, economic analysis
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- 3.
- 4.
- 5.

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NOTES

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