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:

________________________________________________________________________________________

SCHOOL INFORMATION

Contact at school: Address: ________________________________

Name: ________________________________

Email: ________________________________

Phone: ________________________________

City/Town: ________________________________

County: ________________________________

Lot size: ________________________________

Latitude/Longitude of tower: ________________________________

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

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

__________________________________________________________________________________________________________________________________

__________________________________________________________________________________________________________________________________

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
2.
3.
4.
5.

NOTES

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