



Wind Site Assessor Training

Lesson 3.2.2 What do you see at a site?

Teaching ideas

Much of the information in this presentation can be gleaned from a Gazetteer. Although students today scoff at such things as mundane as books, these can be really valuable tools when a computer is not booted up or when the internet is not available in the field. It is of value to review what a Gazetteer looks like and what information it can convey quickly while screening a call or visiting a site.

Activities:

- Use the wind speed calculator to estimate wind speeds given various alphas
- Take a field trip to do a site visit. Make the students answer the following:
 - What are we looking at?
 - What do you need to know about this site
 - From the owner?
 - From viewing the site?
 - Measure tree and obstacle height
 - What about mature tree height?
 - Pace off distances to obstacles
 - What about future plans, buildings, obstacles, development, trees?
 - What about neighbors? Where are they? How close are they?
 - Estimate wind shear
 - Estimate rise and fall of land
 - Check to see if displacement height might be a concern
 - Develop a site plan
 - Specify the minimum acceptable tower height for the site based on the 30' rule.

Props

Gazetteer for your state

Tree height estimator “tools”

Yard sticks, 3' 1x2s, transit stick or brooms to use to measure tree height

100' tape measure

Clinometer

Book of trees, preferably a local or state guide.

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