



Wind Site Assessor Training

Lesson 3.3 Displacement height

Teaching ideas

Activities:

1. Go outside: Field trip to determine if displacement height is a factor, and how much so based on the prevailing wind direction. Then apply DH.
2. Give the students an aerial photograph of a site or access Google maps. Also supply a wind rose or seasonal winds. Have the students determine the applicable displacement height for the site. **Note:** they will not be able to do this without knowing the current height plus the mature height of the trees.
3. Have students work with the wind speed calculator, applying DH to the wind speed height to see the effect it has on the wind.

Props

Book on trees for the area or state- one with a local perspective is better than national coverage.

Another useful tool is a DeLorme Atlas and Gazetteer for the state. All site assessors should have one in their office next to their phone.

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