

Wind Concepts eLearning | Wind Energy & Technology Training

Wind Turbine Siting - W20011-XX03XEN-E1

Objective 11: Describe the Environmental Impacts of a Wind Power Plant

Flicker

Wind turbine blades create shadows during their rotation. These shadows, known as flicker, can cause a great annoyance to nearby property owners. Developers locate turbines so that the resulting flicker does not impact surrounding properties.



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Unlike solar photovoltaic (PV) systems, which harness solar power to generate electrical power, solar thermal systems collect energy from the sun and convert it into heat.

Solar thermal systems transfer the heat generated from their solar collectors to residential or business water systems. Solar thermal systems are especially effective for businesses and residential properties that have a large hot water requirement.

Teach Hands-On Skills

Strong Depth and Breadth of Content

Wind Concepts eLearning (M20011) introduces wind energy as an important source of power that is growing dramatically. Wind farms can be found in virtually all areas - from cold, arctic conditions to the tropics. Wind concepts provides learners an understanding of the basics of how we can harness wind energy, either in large utility-scale turbine farms or in small wind applications. Amatrol's Wind Concepts eLearning provides an overview of a broad range of basic concepts in wind energy and technology including how wind power systems work and what it takes to generate power with wind technology.

In-Depth Multimedia Curriculum

Engaging Multimedia

Amatrol's extensive, thorough [multimedia](#) covers green energy basics such as wind concepts. Interactive screens paired with instructive graphics teach wind concepts topics from wind power systems to wind turbine siting. Learners can then apply this theoretical knowledge to immediate hands-on skills. For example, learners study wind power characteristics and then on their own calculate the wind turbine power given meteorological conditions for applied practice. This combination of theory and practice ingrains concepts in a learner's mind and makes more advanced topics easier to comprehend. (References [950-WC1](#))

Additional Info

Requirements

Computer: [See requirements](#)

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