

Why does the wind turbine not generate electricity

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Unlike coal or natural gas power plants, wind turbines do not emit greenhouse gases or other pollutants during operation. This makes wind energy a clean alternative that helps combat ...

When wind blows past a plane's wings, it moves them upward with a force we call lift; when it blows past a turbine's blades, it spins them around instead. The wind loses some of its ...

Promises, promises for wind power from developers and ideological governments. Here's why it can't work.

Wind turbines work on a simple principle: instead of using electricity to make wind--like a fan--wind turbines use wind to make electricity. Wind turns the propeller-like blades of a turbine around a rotor, ...

At first glance, it might seem straightforward: We're already producing clean electricity using wind turbines, so we know it works. Why not just build lots and lots of them until we produce enough ...

Wind turbines use blades to collect the wind's kinetic energy. Wind flows over the blades creating lift (similar to the effect on airplane wings), which causes the blades to turn.

Wind turbines do not release emissions that can pollute the air or water (with rare exceptions), and they do not require water for cooling. Wind turbines may also reduce electricity ...

However, there are several reasons why wind turbines stop operating: lack of wind, low wind speed, too strong wind, or turbine maintenance. At very high wind speeds, wind turbines shut ...

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