# Electrical engineering wind turbines

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Let"s talk about what happens to get electricity from the wind. First of all, to change the wind energy to electricity, rotor blades spin the hub (center) of the turbine. Inside the turbine is an electric generator, which is a rotating machine that supplies an electrical output with voltage and current. The rotating action of the hub turns a magnet inside a coil of wire in the generator, producing electricity.

A turbine is basically a motor connected backwards. Rather than connecting a battery to the motor to make something move, a wind turbine is connected to the motor, and its movement generates electricity. You can measure how much electricity (voltage) is produced with a voltmeter.