

I modeled my Wind turbine based off of this model:

<https://www.youtube.com/watch?v=NP0JSOuAFMs>

Understanding how the turbine works:

<http://www.energybc.ca/wind.html>

https://www.youtube.com/watch?v=qSWm_nprfqE

<https://www.youtube.com/watch?v=DILJJwsFI3w>

<https://www.youtube.com/watch?v=LNXTm7aHvWc>

History of wind turbines

<https://www.renewableenergyworld.com/2014/11/21/history-of-wind-turbines/#gref>

<https://www.nationalgeographic.com/environment/global-warming/wind-power/#close>

Turbine Parts

Wings:

The wings rotate with the pure force of the wind.

Shaft:

When the wing rotors spin, so does the shaft. This is how the rotational energy begins it's transference into the generator.

Gearbox:

The gearbox aids in increasing rotational speed. It allows for control of the torque and speed.

Generator:

The generator transfers the electromagnetic induction through a coiled wire connected to a series of magnets and feeds it's through connected power lines.

