

What are wind farms?

Wind farms are wind turbines which are used to create wind power. They put wind farms on hills and they look for a lot of space. Wind was one of the first sources of energy used by people to power machines.



Good things about wind farms!



- Wind energy is renewable.
- It doesn't pollute the atmosphere.
- It is clean.
- Income for land owners.

Bad things about wind farms!



- It costs \$4 million per turbine.
- Older models make more noise (which also depends on the wind and how far you are away from it).
- Fears about hurting birds.

How the wind turbines work!

- The turbine blades are shaped like a propeller.
- When the turbines face into a light breeze they begin to turn.
- The turning blade turns a gear that turns an electrical generating coil – producing electricity.

CULLERIN

WIND

FARM



The Cullerin Wind Farm site project is a good wind resource and is one of the most competitive projects of its kind in Australia.

The Cullerin Range wind Farm plays an important part in the production of renewable energy in NSW.

It will also help lower the state's greenhouse gas emissions.



- Origin acquired the development rights from Europe to build the 30 MW Cullerin Range Wind Farm. The wind farm underwent commissioning from late May to early July 2009.

Some facts about wind farms!

- One wind turbine can power 850 houses.
- The blades are hollow.
- Some wind turbines have two blades.
- They put up a wind monitoring tower for a year to see how the wind is before they put up the wind turbines.
- To make one wind turbine in a factory takes about two years.