



Wonthaggi Wind Farm

Energy Developments Pty Limited (EDL) is an international provider of safe, clean, low greenhouse gas emissions energy, remote energy solutions and renewables.

EDL owns and operates the Wonthaggi Wind Farm, located 3 km west of Wonthaggi within the Bass Coast Shire in Victoria, capturing wind energy using six 2MW turbines with a total capacity of 12MW.

The site was first identified as a potential wind farm due to its strong coastal wind resource, proximity to the electricity grid and relative distance to existing houses.

Built in 2005, the wind farm infrastructure takes up less than one percent of the land area on a single property used primarily for cattle grazing.

Each of Senvion's MM82 Wind Energy Converters (WECs) have a hub height of 69 metres and a rotor diameter of 82 metres. The wind farm produces enough energy to power 5,000 households.

To ensure the turbines are operating at peak performance, local service technicians regularly monitor and service the turbines.

At a glance

Project name:

Wonthaggi Wind Farm

Owner, operator:

Energy Developments Pty Limited

Location:

Wonthaggi VIC Australia

Generating capacity:

12MW

Primary fuel:

Wind

Production:

30 GWh pa

Equivalent cars off the road:

7,500 pa

Abated & Avoided Emissions:

25,000 tonnes CO₂-e pa

Equivalent Homes Powered:

5,000

Start of operation:

2005





Wonthaggi wind farm was chosen as the location for the wind farm as it has a consistent wind resource, is close to transmission lines and good access to the site for construction and maintenance vehicles.

The power station is capable of generating approximately 30 gigawatt hours (GWh) of electricity annually, which is enough to power approximately 5,000 homes.

The environmental benefit of the Wonthaggi Wind Farm is equivalent to taking about 7,000 cars off the road.

The power station comprises six Servion turbines, each on a tower 69m high, and each rated at a maximum output of 2MW (2 million watts which could power twenty thousand 100W light bulbs).

About Energy Developments Pty Ltd

EDL is an international provider of safe, clean low greenhouse gas emissions energy, remote energy solutions and renewables.

EDL currently manages an international portfolio of over 980MW of power generation facilities in Australia, North America and Europe, providing energy solutions from a range of fuel sources:

- Remote energy
- Liquefied natural gas (LNG & compressed natural gas (CNG))
- Wind power generation
- Landfill gas (LFG) power generation
- Waste coal mine gas (WCMG) power generation

EDL is involved in project development, finance, design, operation and maintenance of international power generating and energy delivery projects.

