



Cullerin Range Wind Farm (CRWF)

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

EDL owns and operates the Cullerin Range Wind Farm, located near Gunning in NSW, capturing wind energy using fifteen 2MW turbines with a total capacity of 30MW.

The Cullerin Range Wind Farm plays an important role of supplying 100% renewable energy into the national electricity grid, while generating revenue from the sale of electricity. The wind power generated by the wind farm abates and avoids approximately 600,000 tonnes of carbon dioxide equivalent emissions annually.

During its construction peak the wind farm created approximately 50 jobs. It now employs full time local operators who are supported by local contractors and off-site EDL staff and contractors. Other local economic benefits arising from the project include annual funding for the benefit of the local community through the wind farm's community fund.

At a glance

Project name:

Cullerin Range Wind Farm

Owner, operator:

Energy Developments Pty Limited

Location:

Gunning NSW Australia

Generating capacity:

30 MW

Primary fuel:

Wind

Production:

100 GWh pa

Equivalent cars off the road:

180,000 pa

Abated & Avoided Emissions:

600,000 tonnes CO₂e pa

Equivalent Homes Powered:

70,000

Start of operation:

2009





The Cullerin Range 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 100 gigawatt hours (GWh) of electricity annually, which is enough to power approximately 70,000 homes.

The environmental benefit of the Cullerin Range Wind Farm is equivalent to taking about 180,000 cars off the road.

The power station comprises 15 Servion turbines, each on a tower 80m high, and each rated at a maximum output of 2MW (2 million watts which could power twenty thousand 100W light bulbs)

Constructed in 2007-8 and in July 2009 the plant became the first significant windfarm in NSW to be fully operational in the National Electricity Market.

Being located on a working farm, the Cullerin Range Wind Farm operates side by side with traditional farming activities with the landowners grazing their sheep underneath the turbine towers.

Delivering significant environmental, community and economic benefits. It demonstrates EDL's ability to own and operate infrastructure that produces cost-efficient, reliable, clean energy for its customers.

About Energy Developments Limited (EDL)

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

EDL currently manages an international portfolio of over 900MW of power generation facilities in Australia, the United States and Europe, providing energy solutions from a range of fuel sources:

- Remote energy
- Liquefied natural gas (LNG and 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.

