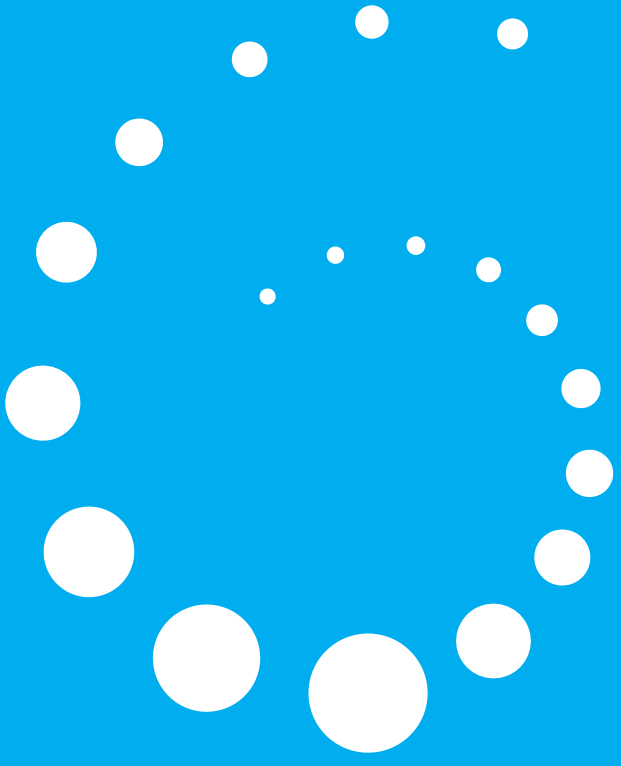


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1.0

Project Summary



The Capital Wind Farm comprises 67 wind turbine generators, each capable of generating 2.1 MW of power, giving the wind farm a total capacity of 140.7 MW. On average the plant is expected to produce approx. 450 GWh of electricity per annum, enough to power 60,000 homes.

The wind farm is accredited under the Green Power Scheme. The electricity generated is fed directly into the TransGrid network via an on-site substation, with the majority of output contracted to supply to the Sydney Desalination Plant.



Project Snapshot



Name:	Capital Wind Farm
Location:	Bungendore – New South Wales, Australia
Coordinates:	35.1458S / 149.5671E
Type:	Wind
Standard:	Greenpower
Volume:	1,000 MWh
Vintage:	2010
Status:	Greenpower Accredited
Project Operator:	Renewable Power Ventures Pty Ltd

2.0

Project Benefits



Environmental - The plant is expected to reduce greenhouse gas emissions by over 400,000 tonnes per annum – equivalent to removing more than 85,000 cars from the road each year. Capital wind farm environmental impacts are considered to be low.

Social – The project has created employment opportunities during the project construction (120 additional employees) and operation period (10 permanent jobs).

Economic – The project increases the diversity of electricity supply for New South Wales as well as providing attractive rental income for landowners.

Key Achievements

- Avoids GHG emissions
- Development of local wind industry
- Local employment opportunities
- Increased diversity of electricity supply for NSW

3.0

Background



The Project is located on ridges of the Great Dividing Range to the east of Lake George, approximately 12 kilometres south-west of Tarago and about 10 kilometres north of Bungendore in the Southern Tablelands of New South Wales

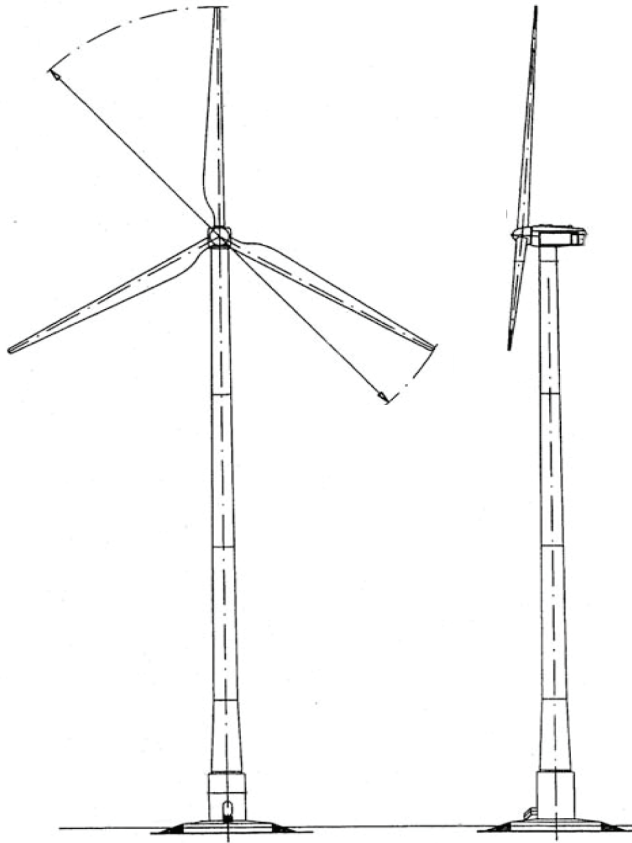
The site is spread across the Hammonds, Ellendon and Groses Hill ridgelines. While the wind farm covers more than 35 square kilometres, the turbines themselves occupy less than one hectare of land.

The site provides an excellent wind resource with a wind farm capacity factor of 36%.

The Capital wind farm is located in open farming country, allowing for optimum spacing of turbines. There are minimal obstructions in the landscape and smooth topography, which is beneficial to the output of the wind farm. Construction of Capital began in early 2008, with the wind farm becoming fully operational in October 2009.

4.0

Technical Details



The turbines employed are Suzlon S88 – 2.1 MW turbines. These turbines have internal controls that monitor the wind direction and speed, with electricity production beginning at winds above 14 km/h (4 m/s).

The nacelle will be mounted on top of tapered steel towers, 80 metres tall with an approximate diameter of 4.5 metres at the base and 2.5 metres at the top. Each turbine will have three blades designed to rotate at about 15.5 revolutions per minute when operating.

Automatic yaw and pitch controls enable maximum energy capture from the wind, as well as reducing stresses on the blades. The blades rotate at regular 15-18 revolutions per minute and operate at capacity until the wind speed reaches 90 km/h. The turbines automatically shut down and turn out of the wind when the wind speed goes beyond 90 km/h.

5.0

How the project meets Climate Friendly's principles

Climate Friendly only invests in projects that:

Principles	How Capital meets these criteria
Address the root cause of climate change	✓ Wind power doesn't emit GHG
Are permanent	✓ Emissions reductions can't be reversed
Are verifiable	✓ Verified by the Greenpower Program Manager
Are project based	✓ Not allowance-based under compliance requirements
Contribute to sustainable development	✓ Reduces pollution
Are synchronous	✓ Emissions reductions have already occurred
Are exclusive	✓ Robust assurance process ensures no double counting

