



Newsletter

Warradarge Wind Farm gets the green light

Bright Energy Investments (BEI) is building one of Western Australia's largest wind farms, the 180MW Warradarge Wind Farm. Located near Eneabba in WA's mid-west, the go-ahead for the project was announced by the WA Energy Minister Bill Johnston.

Connecting to the South West Interconnected System (SWIS), Warradarge Wind Farm will have a total output of 180 megawatts with a 50 per cent capacity factor – the equivalent of the average annual electricity needs of 135,000 West Australian homes.

The construction and equipment maintenance contracts have been awarded to international sustainable energy solutions company Vestas, with construction works to be undertaken by local sub-contractors.

The turbines will be among the largest in Western Australia with a tip height of 152 metres, sporting some of the longest blades onshore at 66 metres.

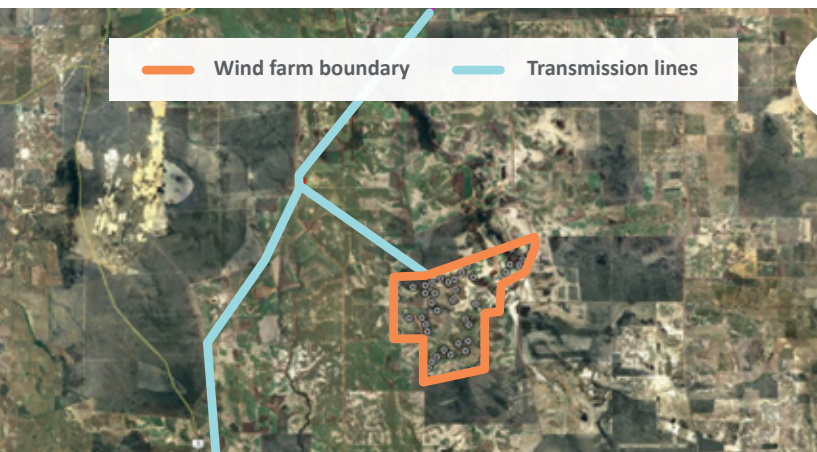
The 10km transmission line from the wind farm sub-station to the network connection point near Eneabba will be constructed by Western Power.

Warradarge Wind Farm joins the BEI portfolio, which includes the Albany Grasmere Wind Farm and the Greenough River Solar Farm near Geraldton.

Warradarge Wind Farm is expected to generate its first power in 2020, and will create up to 200 jobs in the construction phase.



Pictured: Rob Cole - Synergy Chairman; Diana Callebaut - Cbus; The Hon Bill Johnston - Minister for Energy



DID YOU KNOW?

The turbines at Warradarge will be among the largest in Western Australia with a tip height of **152 metres**





Update on Stage Two of Greenough River Solar Farm

BEI's assessment of responses for a replacement contractor are progressing well for the construction of the Greenough River Solar Farm – Stage 2 project.

Following the termination of RCR O'Donnell Griffin's contract, BEI advertised in December 2018 for expressions of interest across a number of contracting strategy options that would allow key existing suppliers to complete their participation on a revised basis, where possible.

Until new contracting agreements are in place, a new timeline cannot be confirmed, however BEI is continuing to work to minimise the impact to the project and remains confident the project will be completed without too much further delay.

Negotiations are continuing with the appointed RCR administrators, McGrathNicol, relating to elements of the RCR procurement process.



Albany Wind Farm refurbishment on track

Albany Grasmere Wind Farm is getting a new lease on life after refurbishment works commenced in March 2018. A generator insulation and corrosion prevention program was successfully completed in June 2018 and is a key component to the life extension of the wind farm.

Furthermore, in November 2018 a blade repair campaign commenced. The primary objective of the repairs is to restore the leading edge profile of each blade, due to environmental erosion over time. Repairs of damage due to lightning strikes will also occur.

The works are progressing well, however weather delays in November and December have impacted the schedule. Bright Energy Investments is working with the contractor to accelerate the works to recover the delays. The refurbishment is expected to be completed in June 2019.

Albany Grasmere Wind Farm produces clean, renewable energy equivalent to 80 per cent of Albany's annual electricity needs. The turbines operate automatically, with the three blades adjusted to make best use of power output from any wind direction or strength.

Who is Vestas?

The Engineering, Procurement and Construction (EPC) contract and Operations and Maintenance (O&M) contract for the Warradarge Wind Farm were awarded to world-renowned sustainable energy solutions company Vestas, with construction works to be undertaken by local contractors.

Vestas is a Danish manufacturer of wind turbines, and recently became the first company in the world to install a total capacity of 100 gigawatts of wind turbines.

Since the inaugural installation of a 10-30 kilowatt turbine in Denmark in 1979, Vestas has installed over 66,000 turbines in around 80 countries across six continents and played a key part in taking wind energy from niche to mainstream.

During the journey to 100 gigawatts, Vestas has helped remove over a hundred million tonnes of CO₂ from the atmosphere by providing sustainable and cost-effective solutions to meet the world's energy demand. By crossing this 100 gigawatt threshold, Vestas has installed approximately 10 percent of the world's total 1 terawatt of installed wind and solar energy capacity.

Vestas, being the EPC contractor for Warradarge Wind Farm, is primarily responsible for manufacturing and supplying wind turbine generators. For all business related queries, please contact Vestas on the following email address with a brief description of the goods and services proposed. vestas-australia@vestas.com



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