Bright Energy Investments

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# Newsletter

## Warradarge Wind Farm construction takes place

Construction of the 180MW Warradarge Wind Farm near Eneabba has commenced, with Vestas and sub-contractor Decmil mobilising to site and preparing temporary office and construction facilities.

Site activity started to pick up in August, with the first roads and foundation civil works commencing. Western Power is progressing to connect the wind farm to the South West Interconnected System (SWIS), with civil works being undertaken on the new 330kV transmission line and Eneabba terminal.

A community information session was held at the Warradarge Volunteer Bush Fire Brigade in June with representatives from Bright Energy Investments, Synergy, Vestas and Decmil in attendance. The event provided information to local landowners and community members on the wind farm's development, including expected construction activities and timelines.

**Pictured: Eneabba Terminal under construction by Western Power to connect Warradarge wind farm to the 330kV grid.**

Discussions included turbine technology, where the power was sent, construction of the transmission line/ terminal by Western Power, the potential for storage to be co-located and the lifespan of the wind farm.

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

## Important Milestones - Warradarge Wind Farm

**Pictured: An excavation for one of the wind turbine foundations at Warradarge wind farm which measure up to 20m wide and 3m deep.**

### September
- First concrete foundation poured

### October
- Detail design and engineering complete
- Eneabba terminal civil and structural works complete (Western Power)

### November
- First transmission tower complete (Western Power)

### December
- Delivery to site of first batch of blades, nacelles, hubs and towers

### January
- First turbine erection

## Who is juwi?

juwi is a global renewable energy company, offering project development and EPC services, as well as products and solutions. Its activities relate predominantly to solar and onshore wind energy projects.

Brisbane-based juwi Renewable Energy Pty Ltd (juwi) is a subsidiary of the juwi Group, specialising in the Engineering, Procurement and Construction ("EPC") of turn-key projects over 1 megawatt in size.

With approximately 850 employees worldwide, the company has been involved in the development, design, construction and operation of more than 1,700 photovoltaic projects and the installation of more than 990 wind turbines.

## Albany Grasmere refurbishment continues

Albany Grasmere Wind Farm is getting ready for phase two of its blade repair campaign in the last quarter of 2019.

The blade repairs program is aimed at restoring the leading-edge profile of each blade, addressing deterioration over time from environmental exposure. The repair campaign is forecast to be complete by March 2020 and will see the conclusion of the life extension works for Albany.

Albany Grasmere Wind Farm will also be undertaking a control system upgrade. The upgrade will allow the wind farm to be dispatched automatically by the market operator, thus meeting the requirements for modern generators.

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

## New contractor appointed for Stage Two of Greenough River Solar Farm

Bright Energy Investments has appointed juwi Renewable Energy Pty Ltd to complete the construction of the Greenough River Solar Farm – Stage 2 Expansion Project.

The appointment of the Australian arm of juwi follows the cancellation of the contract of the previous contractor, RCR O'Donnell Griffin Pty Ltd, after it was placed in external administration in late 2018. An extensive process associated with the contractor's administration and liquidation has since been completed.

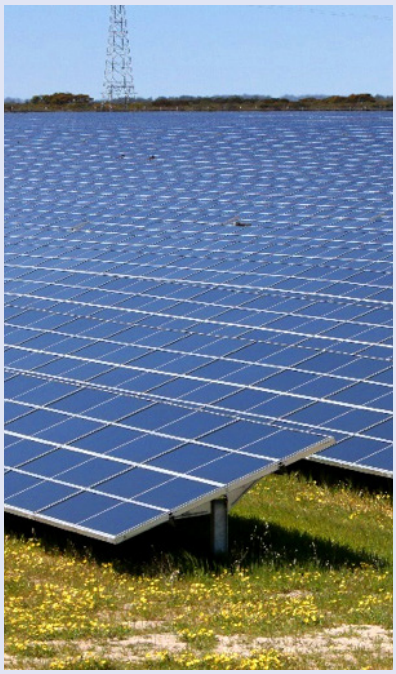
With site works halted since November 2018, the new contract will enable the 30MW expansion to recommence immediately, with a revised scheduled for completion in early 2020.

BEI is looking forward to seeing the installation of more than 300,000 additional solar PV panels alongside the original 10MW facility.

The panels will operate on a NEXTracker single axis tracking system as originally planned, traversing to follow the sun.

Once operational, the solar farm will provide additional power to the SWIS, equivalent to more than the average use of 16,300 households.

The GRSF Stage 2 expansion is due for completion in early 2020.



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