



Newsletter

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Solar farm growing

Construction of the second stage of the Greenough River Solar Farm has commenced.

The 30MW expansion of the photovoltaic solar modules will see the installation of more than 200,000 additional module alongside the original 10MW facility.

Located approximately 50 kilometres southeast of Geraldton, in Western Australia the Greenough River Solar Farm was the first utility-scale solar plant in Australia to be commissioned and operational, when it was officially opened in 2012.



The project site.

Works on stage 2 commenced in August 2018 with RCR O'Donnell Griffin, who have been awarded the contract to establish and install a new generation of First Solar panels. The panels operate on a nextacker single axis system, which rotates the panels to follow the sun. RCR O'Donnell Griffin are a leading Australian engineering company which originated in WA.

The initial site activities will be limited to establishment works, with activity expected to escalate from October. The project expects to generate first power in mid-2019 with commissioning works to be completed by 2020.

Who is Bright Energy?

In April 2018, Synergy in conjunction with Dutch Infrastructure Fund (DIF) and Construction and Building Unions Superannuation (Cbus) established Bright Energy Investments (BEI), a renewable energy investment vehicle, to acquire and develop large scale renewable energy generation assets in Western Australia.

Synergy is Western Australia's most experienced electricity generator and energy retailer, delivering energy to more than one million residential and commercial customers. Owned by the State Government, Synergy is Western Australia's largest provider of electricity and gas, holding over 2,800MW of generating capacity.

DIF is a leading independent fund management company investing in high-quality infrastructure assets that generate long-term, stable cash-flows in Europe, North America and Australasia. Established in 2005, DIF has invested in more than 175 infrastructure projects, including core infrastructure projects, public private partnerships, regulated assets and renewable energy projects

Cbus is one of Australia's first and one of the country's largest industry superannuation funds industry funds for the building, construction and allied industries Cbus provided superannuation and income stream accounts to more than 765,000 members and managing over \$44 billion in funds. Bright Energy Investments is Cbus' first direct infrastructure investment.



Stage 1 - Background

The first stage of Greenough River Solar Farm was 10MWac fixed panel solar farm. It was constructed for Synergy and GE Energy Financial Services in 2012 and was the first utility scale solar farm in Australia. It was a significant milestone for the state and for the country.

The clean, affordable and sustainable energy generated by the first stage of the solar farm is being purchased by the WA Water Corporation to help offset the energy requirements of the Southern Seawater Desalination Plant, near Binningup.

The first stage of the Greenough River Solar Farm produces electricity when it is needed the most, during the day. The solar photovoltaic (PV) farm displaces approximately 20,000 tonnes of greenhouse gas emissions, which is the equivalent of taking 3,000 cars off the road.

Stage 2 - Construction process

Activities will include:

- Piling of the posts
- Fixing of tracker system
- Fixing of PV panels
- Installation of inverter and transformers (power conversion blocks)
- Installation and termination of cabling

At peak we anticipate over 100 people on site and deliveries including 4 to 5 B-double trucks per day of posts, frames and panels. The deliveries will be complete by February 2019. The new panels will connect into the Western Power grid at the same location as stage 1, the Mungarra Power Station.



The 150,000 solar PV panels of stage one with the second stage to be developed...

About the expansion

Peak power:	30 MW
Annual production:	89,700 MWh/p.a.
CO2 avoided:	60,548 t/p.a.
Equiv. households supplied:	16,383 (based on average household consumption)
Surface:	864,000 m2
Operation date (planned):	Mid-2019
System type:	Single axis tracking

Locals join the team



First Solar, the operations contractor for Greenough River Solar Farm, has just taken on a new site technician - Nic De Vries. A local with a property near Walkaway, Nic highlights BEI's preference to find employees from our local communities. We are extremely happy that First Solar were able to find someone with the skills and experience so close by. Welcome to the team Nic.



Allen Kelly, a local Cape Burney resident, has been engaged by Bright Energy Investments as the site Construction Manager for the duration of the construction of the expansion. Allen is another great find in the region and brings his experience of construction of two large scale solar farms. Welcome to the team Allen.

Local opportunities

Bright Energy Investments is committed to local sourcing where feasible. Local Vendors can request a Pre-Qualification Survey by contacting greenough.eoi@rcrtom.com.au, and nominating the package of works you would like to express interest in.

Contact us

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 www.brightenergyinvestments.com.au