Bulli Creek Clean Energy Park

Frequently Asked Questions

Project Overview - Clean Energy Park

What is the Bulli Creek Energy Park?

Energy Park is a multi-stage development project of up to 2GW of large-scale solar and BESS. Genex's strategy is to develop stage one, Bulli Creek Solar (**BCS-1**), a large-scale solar development with a capacity of up to 775MW which is expected to commence construction in early 2025. BCS-1 is set to become the largest grid connected solar farm in Australia once in operation. Subsequent to the BCS-1, the second proposed stage is the Bulli Creek Battery (**BCB-2**), currently sized for up to 400MW/1,600MWh (4 hour storage).

Subsequent stages of solar and/or battery are proposed to maximise the full 2GW capacity of the project.

Where is the Energy Park Located?

The Energy Park is located approximately 45km south-west from the Millmerran township. Access to the site is proposed along the Gore Highway and Boondandilla Road. Where site access is via the Gore Highway, right and left hand slip lanes will be developed and constructed to allow for other traffic to overtake turning vehicles into the Energy Park site.

Refer to **figure 1** illustrating the Energy Park location in relation to Millmerran.

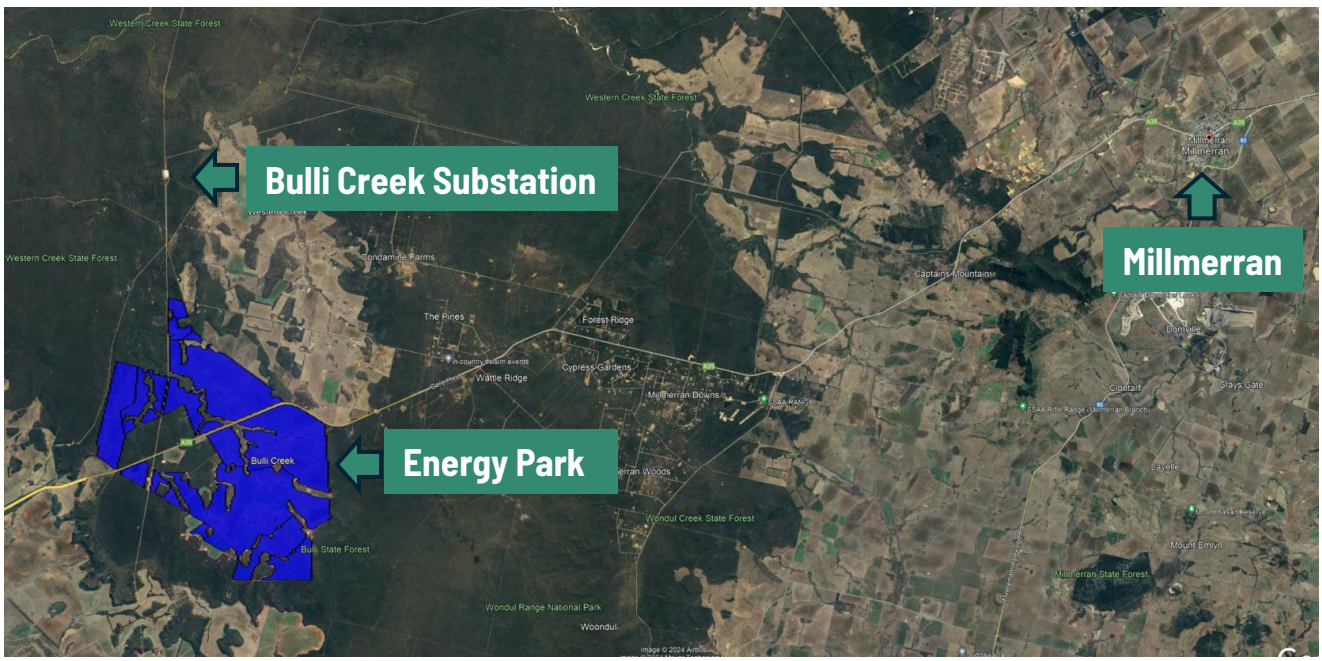

Figure 1: Energy Park location

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Energy Park

What is the timeline for the Energy Park?

BCS-1

Construction scheduled to commence in early 2025

Energisation/operations scheduled to commence in H2 CY2027

BCB-2 and other stages

Construction start dates for the BCB-2 and the balance of the stages of the Energy Park are to be finalised as part of the further development of the Energy Park.

What infrastructure will be at the Energy Park?

Infrastructure proposed at the Energy Park include:

- Solar panels;
- Battery Energy Storage Systems;
- Operation and Maintenance buildings;
- Electrical overhead and underground cabling;
- Internal access roads;
- Substations; and
- Inverters.

Why is the Energy Park needed?

As part of the Queensland Governments *Energy and Jobs Plan*, the state has firm targets for renewable energy generation with a target of **70% renewable by 2032.** The Energy Park, through the development of large-scale solar and batteries, will be crucial in assisting the Government meet these ambitious targets.

The addition of batteries to the Energy Park facilitate the expansion of solar and other renewable energy sources. Batteries provide key grid strengthening services to stabilising the network as they inject stable power, unlike renewable energy sources such as wind and solar. Batteries also support the network by providing necessary baseload power which will be required as thermal coal-fired plants in Queensland and other states begin their decommissioning and retirement process.

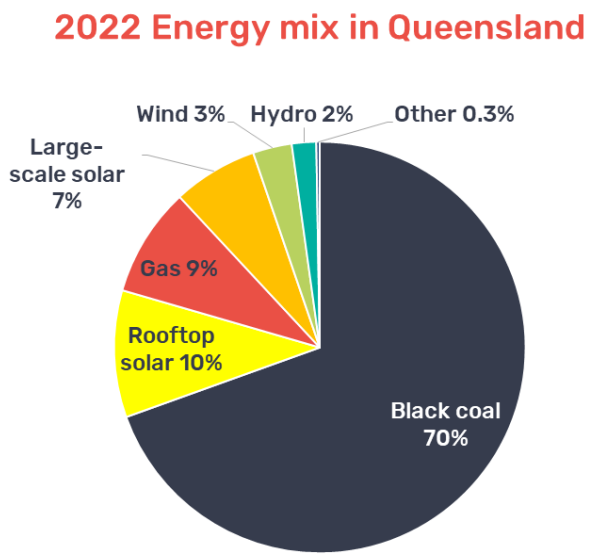

Figure 2: Qld 2022 Energy Mix

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Stage 1: BCS-1

What is the status of BCS-1?

BCS-1 is currently in development and expected to commence construction in early 2025. BCS-1 has already achieved several key development milestones which include:

- Receiving Development Approval and Commonwealth Approval;
- Secured land as part of the Energy Park;
- Signed an offtake agreement to purchase energy generated by the project;
- Selection of the preferred Engineering, Procurement and Construction (**EPC**) contractor to build the project.

Who is the contractor to build BCS-1?

Genex has appointed PCL Construction (**PCL**) as the preferred EPC Contractor for the BCS-1. PCL will be the principal contractor on site during construction and will be responsible for employment, procurement and delivery of the BCS-1 project. For any procurement and employment enquiries it is important you reach out to the PCL team.

During the period prior to construction, Genex, J-Power and the PCL team will work together to complete site studies, preliminary design and relevant management plans to facilitate construction of the BCS-1 project in early 2025.

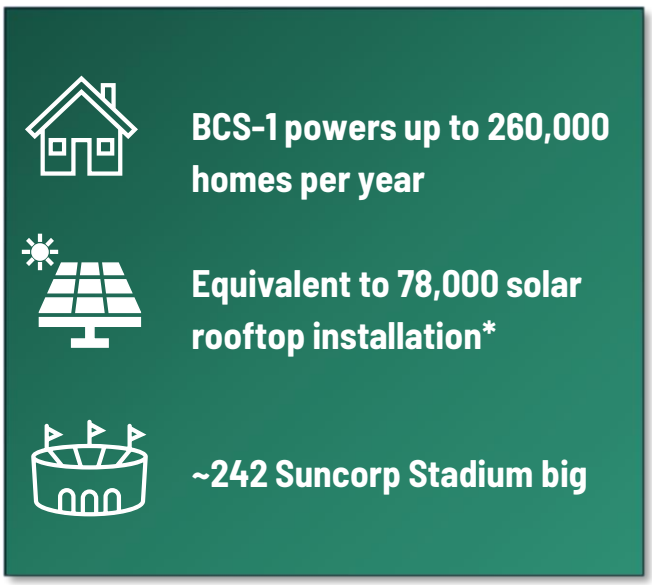
How to contact PCL Construction

Email: **bullicreekcommunity@pcl.com**

How does solar power work?

Solar energy is an abundant source of free energy that can be converted into electricity using different methods however, Solar Photovolatic (PV) panels are currently the most widespread type of solar PV technology and is the technology that will be utilised at BCS-1.

Solar panels have a layer of silicon cells, a metal frame, glass casing and wiring to allow current to flow from the silicon cells. The silicon is semi-conductive so it can absorb and convert sunlight into electricity. When the light is absorbed by a silicon cell, it causes electrons to start moving, which initiates a flow of electric current. This is known as the 'photovoltaic effect'.



*Assumes yearly household energy use of 7.86MWh
*Assuming average rooftop solar of 10kW

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Frequently Asked Questions

Workers camp

Where is the camp located?

Subject to planning approvals, the workers camp is proposed to be located north of the Millmerran Showground site and will accommodate up to 800 workers across the development of the Energy Park.

As the development approval process progresses over the next 6 months, the Millmerran community will be consulted regarding the workers camp.

Will there be a wet mess (bar) at the camp?

No, Genex will facilitate (via buses) residents of the workers camp using the established Millmerran tavern and pub.

Construction to commence early 2025

Once built, will accommodate up to 800 people

Will service the Energy Park for up to 10yrs

What services will the camp have?

The camp will have the following facilities:

- Accommodation;
- Dining facilities and catering;
- Game room facilities;
- Laundry;
- Parking; and
- Transport.

Workers at the camp will be encouraged to utilise town facilities such as the gym, pool and other sport facilities.

Figure 3: workers camp GA

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Frequently Asked Questions

About Genex

Genex Power is a company focused on developing a portfolio of renewable energy generation and storage projects in Australia. Genex's diverse portfolio includes large-scale batteries, pumped storage hydro, wind and solar across Qld and NSW. The Company's flagship Kidston Clean Energy Hub, located in north Queensland, will integrate large-scale solar generation with pumped storage hydro and wind energy. The Kidston Clean Energy Hub comprises the operating 50MW stage 1 Solar Project, the 250MW Kidston Pumped Storage Hydro Project currently under construction, and the up to 258MW Kidston Wind Project currently in development.

About J-Power

J-POWER is a Japanese power company listed on the Tokyo Stock Exchange with a market capitalisation of approximately JPY 410Bn (as of 30 June 2022, A$4.4 billion). J-POWER owns 18.3GW of power generation assets such as hydroelectric, coal-fired, and wind power in Japan. It is the largest provider of coal-fired power, and the second largest provider of hydroelectric and wind power in Japan. J-POWER also owns and maintains a nationwide network of distribution facilities covering over 2,400km of transmission lines.

What is Genex's contribution in Australia?

KIDSTON CLEAN ENERGY HUB

Kidston Pumped Storage Hydro (250MW/2,000MWh) (GNX:100%)

Status:	In construction, H1 CY2025
Capex:	$790m
Funding:	$610m NAIF debt $47m ARENA grant $133m equity

Kidston Stage 1 Solar (50MW) (GNX:100%)

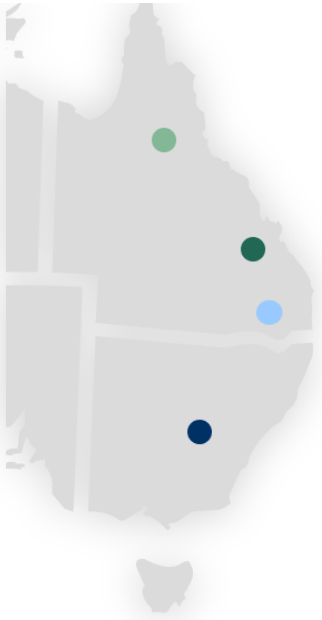
Status:	In operation since Dec-17
Capex:	$128m
Funding:	Portfolio financed with Jemalong $152m senior debt o/s (31.12.2023) $11m subordinated debt o/s (31.12.2023)

Kidston Stage 3 Wind (Up to 258MW) (GNX:50%)

Status:	In development, targeting FID CY2024
Capex:	TBC
Funding:	TBC, 50:50 joint venture with J-POWER

Jemalong Solar Project (50MW) (GNX: 100%)

Status:	In operation since Jul-21
Capex:	$108m
Funding:	Portfolio financed with KS1



Bouldercombe Battery Project (50MW/100MWh) (GNX: 100%)

Status:	In operation since Nov-23
Capex:	$59m
Funding:	$35m Infradebt senior debt (+$7m LC facility) $24m equity

Bulli Creek Stage 1 Solar (775MW) (GNX:50%)

Status:	In development, targeting FID CY2024
Capex:	TBC
Funding:	TBC, 50:50 joint venture with J-POWER

Bulli Creek Stage 2 BESS (~400MW/1,600MWh) (GNX:50%)

Status:	In development, targeting FID CY2025
Capex:	TBC
Funding:	TBC, 50:50 joint venture with J-POWER

Further Pipeline Opportunities

Bulli Creek Solar (GNX: 50%)	Capacity for subsequent stages of up to 825MW
Bulli Creek BESS (GNX: 50%)	Capacity for subsequent stages of up to 825MW
BBP 2 (GNX: 100%)	Expansion opportunity for further 50MW/100MWh

Contact us

At Genex we recognise the value of open and transparent conversations with local community members. If you have questions about the Bulli Creek Clean Energy Park, please reach out to us.

Phone: 02 9048 8850
Email: info@genexpower.com.au
https://genexpower.com.au/