

Narrandera Solar Hybrid Project Factsheet

Overview

Green Switch Energy on behalf of Potentia Energy is exploring the potential of a solar and battery energy storage system (BESS) development, located 15km south of the town of Narrandera NSW.

The proposed Project would capture energy from the sun and store it, producing and supplying clean power to the national energy grid both day and night. The Project would have a generating capacity of approximately 200 megawatts (MW) Alternating Current (AC) and would include a 400 MW AC (four hour) BESS.

The proposed Project

The proposed Narrandera Solar Hybrid Project would use the latest solar technology and meet strict Australian safety and environmental standards, including rigorous requirements for the design, installation and operation of BESS. These standards would ensure the Project incorporates industry-best practices in fire prevention, monitoring and emergency management, with systems design to safely detect, isolate and control faults identified. Its design would comply with NSW state planning laws and be carefully planned to reduce environmental, cultural heritage and neighbour impacts.

The proposed Project would also look to implement Agri-solar practices to allow for the continuation of sheep grazing. This approach allows for farming activities and energy generation to occur side by side, ensuring that agricultural land continues to deliver local value.

Subject to obtaining the necessary approvals, the construction and operation of the proposed Project would include the following key components:

- PV modules
- Inverters and transformers
- BESS units with a storage duration of 4 hours
- Substation, control room and maintenance facility
- Internal access tracks
- Underground and above ground cables
- Associated operational facilities.

During construction, temporary facilities like site offices, staff amenities, storage sheds, car parking, laydown areas for components, and spaces for trucks to park and unload would also be required.

The benefits



Investment in the local community

Community input will guide how the proposed Narrandera Solar Hybrid Project would direct funding to local projects and initiatives, helping ensure long-term positive outcomes for the region.



Creates clean green energy

- A solar farm of this size can, on average, supply electricity to approximately 126,000 homes
- A battery of this size can also power around 835,000 homes for four hours, helping to keep the lights on during peak demand or when renewable energy generation is lower



Solar and sheep grazing

Agri-solar practices are being explored as part of this Project – meaning that sheep grazing can continue across the site. This will allow the current use of the land to continue, while also providing a great vegetation management option.



Creates jobs

Approximately 100-200 full time equivalent (FTE) construction jobs would be generated by the proposed Project, along with approximately 5-6 FTE jobs once it becomes operational.

Contact us

Website:

<https://potentiaenergy.com.au/project/narrandera-solar-hybrid/>

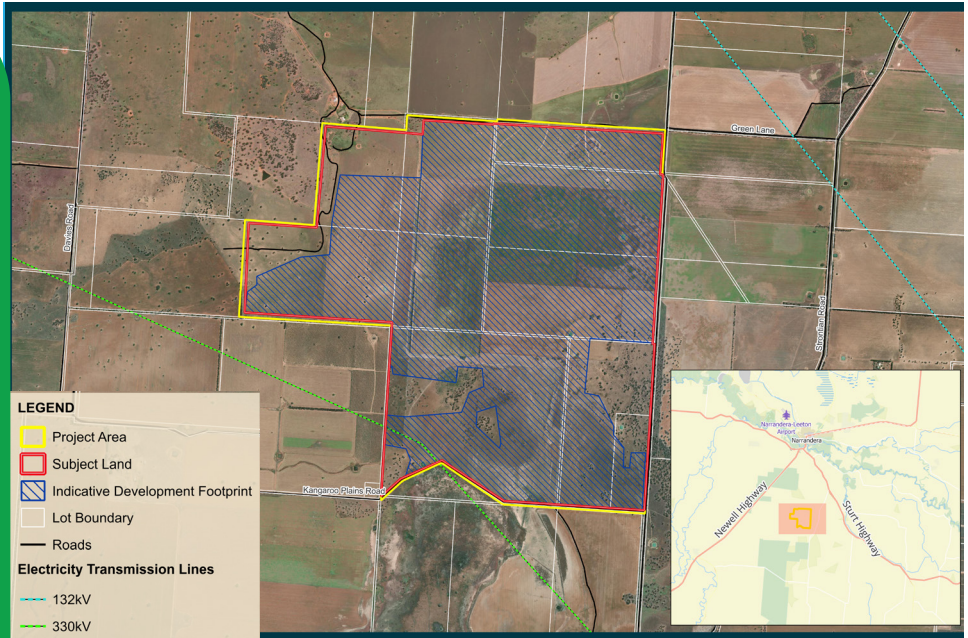
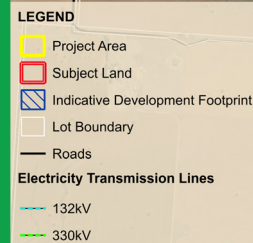
Email: narranderahybrid@potentiaenergy.com.au

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Proposed Project site map

The proposed Project area is about 820 hectares (ha) in size and is the area where technical studies and investigations will take place to help shape the final design.

The actual Project footprint would be smaller than this. The proposed Project would connect to the existing 330 kV transmission line, meaning no new high voltage power lines are needed.



About Green Switch Energy and Potentia Energy

Green Switch Energy is a provider of both renewable energy and energy storage solutions with over 20 years of renewable industry experience within the United Kingdom, Europe, Africa, and Australia. Green Switch Energy's team has significant experience in developing, building, owning/funding, and operating renewable projects specialising in utility scale solar and battery storage systems. Green Switch Energy's current portfolio spans across NSW, VIC, and the ACT.

Potentia Energy is a joint venture entity co-owned by Enel Green Power and INPEX. Potentia Energy is currently operating over 800 megawatts (MW) of renewable energy assets across Australia, with construction underway on a further approximate 200 MW of capacity. Potentia Energy has rights secured for a development pipeline of over 9 GW across Australia and is committed to an ambitious growth agenda, targeting a significant increase to its installed capacity across wind, solar, storage and hybrid projects across Australia. Potentia Energy is committed to accelerating Australia's energy transition, driving the potential for a sustainable future.

The planning and approval process

The proposed Narrandera Solar Hybrid Project is at the earliest stage of the NSW Department of Planning, Housing and Infrastructure's (DPHI's) State Significant Development (SSD) application process, known as the Scoping Phase. At this early stage, a Scoping Report is prepared to help identify which technical studies will be needed for the Environmental Impact Statement (EIS).

Questions and feedback

Input from the community will help to inform the proposed Project and formulate the assessments that will be undertaken EIS. For more information and to register to receive project updates and to provide feedback,

Website:

<https://potentiaenergy.com.au/project/narrandera-solar-hybrid/>

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NSW STATE SIGNIFICANT DEVELOPMENT

TIMELINE

