

Fact sheet

Solar Technology

Narragamba Solar will utilise solar photovoltaic (PV) panels similar to those used on rooftops around Australia. The panels convert sunlight into Direct Current (DC) energy that is converted to Alternating Current (AC) using inverters. It is then transported via underground cables to an electricity substation and injected into the main electricity grid via transmission lines. The PV panels are arranged in rows spaced several metres apart, on a single axis tracking system. The solar panels will follow or 'track' the movement of the sun through the day.

Based on preliminary designs, Narragamba Solar will involve



Arrays of PV modules, including inverters and an underground cable network

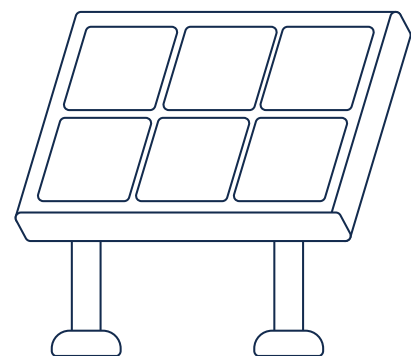
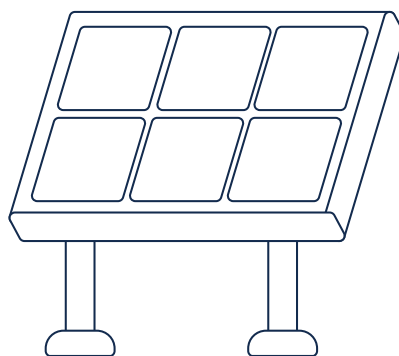
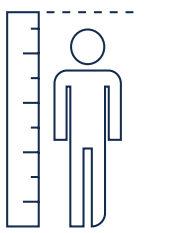
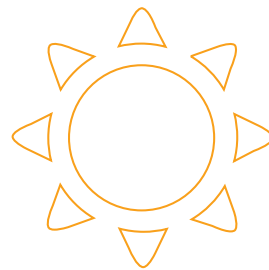


An on-site dedicated substation will connect the solar project to the proposed Central-West Orana Renewable Energy Zone infrastructure



Stock-proof security fencing around each of the solar fields to enable safe grazing for livestock such as sheep


ACEN Australia is investigating the potential for a battery energy storage systems (BESS) as part of its technical studies. The BESS will firm renewable generation by providing energy storage, and help keep the lights on, even when the sun isn't shining, and the wind isn't blowing. Solar combined with battery storage will form a major component of Australia's mix of future energy generation.



FOR MORE INFORMATION:

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