# Stubbo Solar

**Battery Energy Storage System (BESS)**

Renewable Energy from ACEN



LOCATION:
**Central-West Region**
NEW SOUTH WALES

## Stubbo BESS AT A GLANCE:

- Contribute to **NSW renewable energy targets**
- Installed capacity of up to **200MW**
- Storage of up to **8 hours** of energy
- Employ and **buy local** commitment
- Shared benefits through **community** benefit funding
- Up to **100 jobs** during peak construction

## About the project

**The Stubbo Solar project, including its 200 MWh Battery Energy Storage System (BESS), was approved by the NSW Government in June 2021.**

**Following the commencement of operations for the 400 MW solar project in late 2025, the team has been focused on developing the BESS.**

In mid-October 2026, a modification to the approved Stubbo Solar and BESS project was submitted to increase the storage duration of the BESS from one hour to eight hours, while maintaining the same 200 megawatt power capacity.

This means the BESS will be able to store energy for longer and release it when it is needed most, helping to support a more reliable electricity supply.

A BESS stores electricity in large-scale rechargeable batteries so it can be used when it is needed most.

It captures excess renewable energy generated during sunny or windy conditions and releases it back into the electricity grid during periods of high demand or lower renewable generation.

By helping balance electricity supply and demand, the Stubbo BESS will support a more reliable electricity network and Australia's transition to a clean energy future.

**ACEN Australia intends to secure modification approval in early 2027 and commence construction of the BESS in mid 2027.**

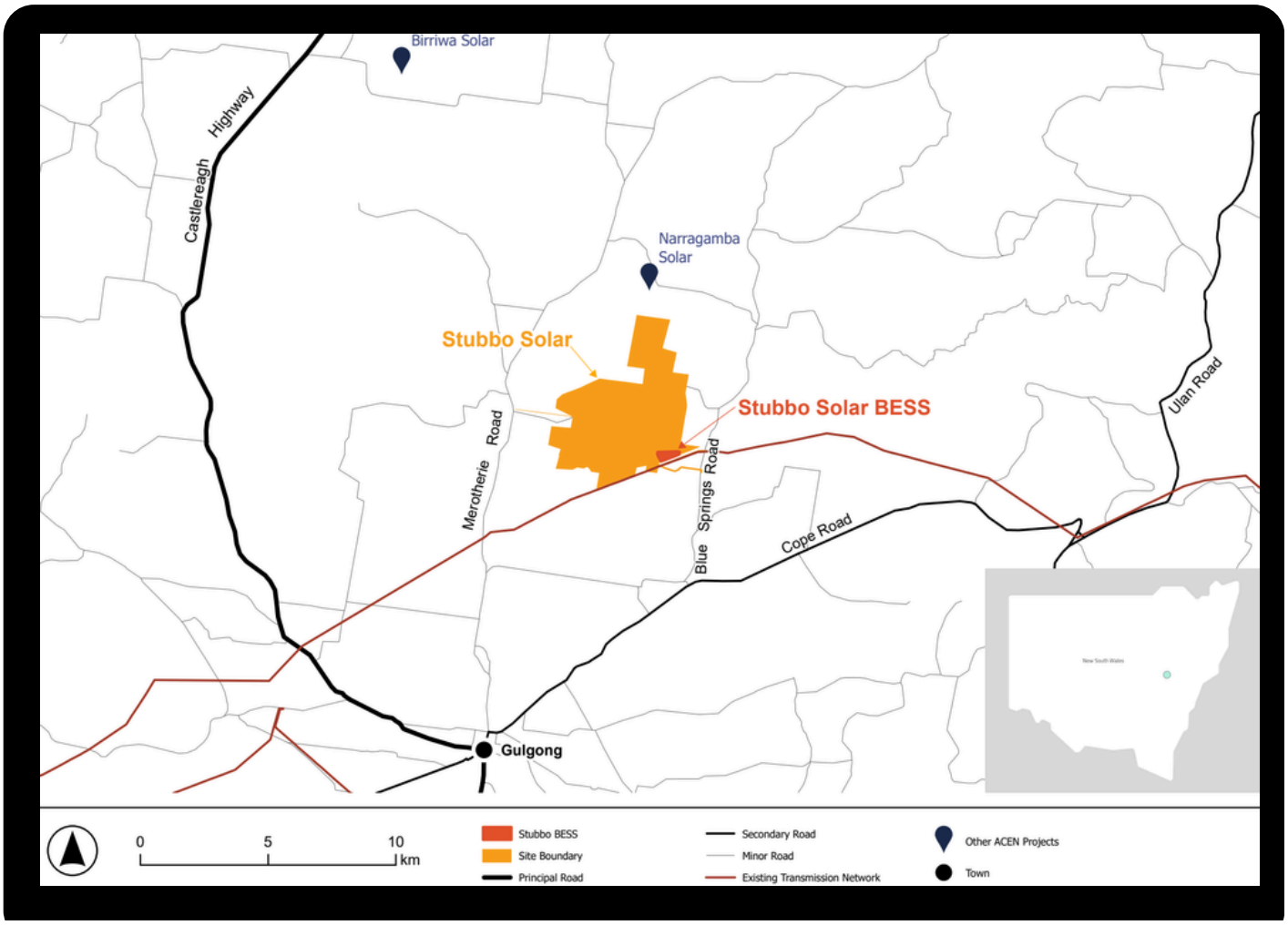
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## Battery Energy Storage System (BESS)

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The Stubbo BESS will comprise battery units housed in purpose-built enclosures, together with grid forming inverters, transformers and associated electrical infrastructure.

The facility will be located within the existing Stubbo Solar project site and will connect to the existing electricity network to support system security and stability.

A typical BESS includes:

- Battery units housed in weatherproof enclosures
- Inverters and transformers to convert electricity to and from chemical storage .
- A connection to the electricity network via a high voltage substation
- FIre safety and protection systems
- Internal access roads and maintenance areas
- Security fencing, lighting and monitoring systems


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