



private  
energy  
PARTNERS

# MIRIAM VALE

SOLAR FARM AND  
BATTERY ENERGY  
STORAGE SYSTEM

The Queensland power grid needs investment in additional energy generation and storage to put downward pressure on power prices and support energy reliability. Solar generation and battery energy storage are excellent low-cost, emission-free solutions.

Private Energy Partners (PEP) is proposing to build both the Miriam Vale Solar Farm and the Battery Energy Storage System (BESS) about 6km, via road, south-west of the Miriam Vale town centre, and 60km south-west of Gladstone.

PEP started investigating the site in 2023 and is progressing ecological studies, planning approvals and project design to supply power into the National Electricity Market. Construction is expected to start in early 2026 and commissioning is due in early 2028.

We care about the Miriam Vale community and the environment. PEP is working to ensure the Solar Farm and BESS help deliver Queensland's clean energy transition targets in a way that also delivers community benefit and minimises potential impacts. We aim to protect local roads and manage vehicle movements, create local jobs and business opportunities, protect flora and fauna, manage vegetation, fire risks, weeds and pests, and minimise noise and visual impacts.





## Development progress

PEP submitted Development Assessments to Gladstone Regional Council (GRC) in June 2024 for the Solar Farm Project and in October 2024 for the BESS Project. Our submissions are available on the GRC website and our project websites. We anticipate Council will finalise their assessment in early 2025.

We are also working to ensure the Solar Farm and BESS meet *Environment Protection and Biodiversity Conservation Act 1999* (EPBC) requirements. We will submit ecological surveys and reports regarding Matters of National Environmental Significance (MNES) to the federal Department of Climate Change, Energy, the Environment and Water (DCCEEW) by early 2025. The DCCEEW will assess this information and ask the community to comment on how PEP proposes to address EPBC requirements.

Concurrently, we are designing the Solar Farm and BESS to meet these requirements and working through the application process to connect to Powerlink’s transmission network.

## How the Miriam Vale Solar Farm and BESS will work together

The Solar Farm will consist of a collection of photovoltaic (PV) solar panels and ancillary equipment to absorb maximum sunlight and produce as much electricity as possible.

However, energy is needed around the clock, with peak demand at night. The BESS can absorb surplus energy produced by the solar panels during the day and release it into the electricity network when it is needed to help provide 24/7 power. The BESS can also be activated immediately and adjusted to respond to electricity demand, helping stabilise the grid and make it more secure and reliable.

## Miriam Vale Solar Farm and Battery Energy Storage System (BESS)

- Up to 500MW of solar energy generation
- 1,231 GWhour per annum to the National Electricity Market
- Up to 500MW BESS capacity
- 2 - 8 hours’ energy storage to release on demand
- Equivalent energy to supply 200,000 Queensland homes per year
- 30+ years’ energy generation and storage

## Working with the local community

Being a good neighbour and an active member of the Miriam Vale community is important. As we continue to progress the project, we will keep our neighbours and the community informed and listen to, and try to address, concerns as they arise.

In addition to providing local jobs and business opportunities, we will look for ways to bring benefit to the area throughout design, construction and operation.

This will include working with local First Nations people to develop long-term collaborative relationships.

If you have ideas about how we can add value to the community, please let us know. We also encourage the community to give us feedback throughout the life of the project.

You can contact us on [info@miriamvalesolarfarm.com.au](mailto:info@miriamvalesolarfarm.com.au) to share your suggestions, ask a question or register to receive community updates.



## Project Timeline

Site suitability and project viability assessment

EARLY 2023

Development permits and approvals

2024-2025

Construction

EARLY 2026

Commissioning

EARLY 2028



## About the Miriam Vale site

The proposed site was chosen due to its suitability for a Solar Farm and BESS:

- Powerlink’s transmission line crosses the site
- The terrain suits solar panel installation
- Native vegetation and waterways will be minimally impacted due to previous land clearing and the project design
- The land can be returned to its original use at the end of the project’s life



## Private Energy Partners

PEP is a wholly owned subsidiary of Quinbrook Infrastructure Partners (QIP). QIP is a global business founded in 2015 by Queenslanders who have invested in more than 200 low carbon, renewable, storage and energy infrastructure projects over the past 25 years.

PEP is QIP's dedicated development arm specialising in renewable energy projects across Australia, the US and UK.

Indicative artist's impression

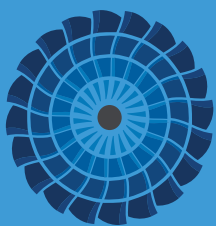


### Need more information?

For more information about these projects, contact us on 1800 975 039 or email [info@miriamvalesolarfarm.com.au](mailto:info@miriamvalesolarfarm.com.au)

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