

PROPOSED WOODSIDE SOLAR PROJECT

NORTH-WEST AUSTRALIA

What is the Woodside Solar project?

Harnessing the year-round sunshine of the Pilbara region in Western Australia, the Woodside Solar project proposes the development of a solar farm that will supply renewable energy to power Woodside's Pluto LNG facility and enable a direct reduction of greenhouse gas emissions at this facility.

At a glance

- A solar farm with an initial 50 megawatts (MW) generation capacity for phase 1, with the potential to expand up to maximum 500 MW to meet potential demand from other customers in the future.
- Over 100,000 solar panels planned for phase 1 of the project.
- Direct reduction of emissions at Woodside's Pluto LNG facility.

Project Overview

The Woodside Solar project is proposed to be built in phases and the first phase involves:

- Construction of a 50 MW solar farm at the Maitland Strategic Industrial Area, located approximately 15 km south west of Karratha.
- Installation of a battery energy storage system (BESS) that will be used by the Pluto LNG facility.

The solar farm facility is proposed to be connected to the North West Interconnected System via new and upgraded common use transmission infrastructure.

There is potential to expand the capacity of the Woodside Solar project up to a maximum of 500 MW to meet potential demand from other customers in the future.

Woodside acknowledges the Ngarluma people, the Traditional Owners of the land on which the Woodside Solar farm is proposed to be built.

Figure 1. Proposed Woodside Solar project



Conceptual image only, not to scale. Proposed facilities are subject to project approvals, regulatory approvals, commercial agreements and market demand.

Benefits of the project

In 2023, 70% of Woodside's gross equity Scope 1 greenhouse gas emissions were from fuel combustion to power our facilities.¹

Importing solar power can reduce the amount of gas-fired power used at the Pluto LNG facility.

Using solar power means that we can continue to produce the energy that Australia and the world needs to keep the lights on, heat and cool homes and support industry, but with fewer emissions.

The project has the potential to reduce gross Scope 1 greenhouse gas emissions² by up to 150 kilotonnes of CO₂-e per annum.

The project also has the potential to expand, which would support emissions reduction by other industry users.

During the construction phase, the project is expected to support jobs directly and indirectly, with many of these jobs expected to be supported locally.

1. [Climate Transition Action Plan and 2023 Progress Report](#), p. 17
2. [Climate Transition Action Plan and 2023 Progress Report](#), p. 22

Engaging with Traditional Owners

Woodside is committed to working collaboratively with Traditional Owners to achieve positive outcomes for the First Nations communities where we operate.

Woodside has a long-standing relationship with Ngarluma Aboriginal Corporation (NAC) who hold the native title rights on behalf of the Ngarluma people.

With the support of Traditional Owners and Custodians, Woodside has undertaken archaeological, ethnographic, flora and fauna studies.

We have also entered into a bilateral Indigenous Land Use Agreement and a modern benefits sharing and relationship agreement with NAC, covering the land where the solar farm is proposed to be developed.

The relationship agreement sets out a framework for the delivery of social and economic benefits to NAC and the Ngarluma people from the project. These agreements also outline how Woodside and NAC will work together to develop the project, including managing cultural heritage.

Project progress

Woodside Solar is well progressed and to date the project has:

- Entered into an Indigenous Land Use Agreement and a modern benefits agreement and relationship agreement with Ngarluma Aboriginal Corporation.
- Completed heritage surveys.
- Executed options to lease land.
- Progressed engineering development of solar generation and battery energy storage.
- Secured local planning approvals.
- Secured State and Federal environmental approvals.
- Substantially completed installation works at the Pluto LNG facility to import solar power.

In December 2023, Woodside entered into a conditional agreement under which a third party will develop the proposed solar facility and supply renewable energy to Woodside.

The project remains subject to a final investment decision by Woodside.