

ALDOGA SOLAR FARM FACT SHEET

MAY 2019

PROJECT FACTS

Location: Aldoga, near Gladstone, Queensland

Expected Capacity: Up to 250 MWAC

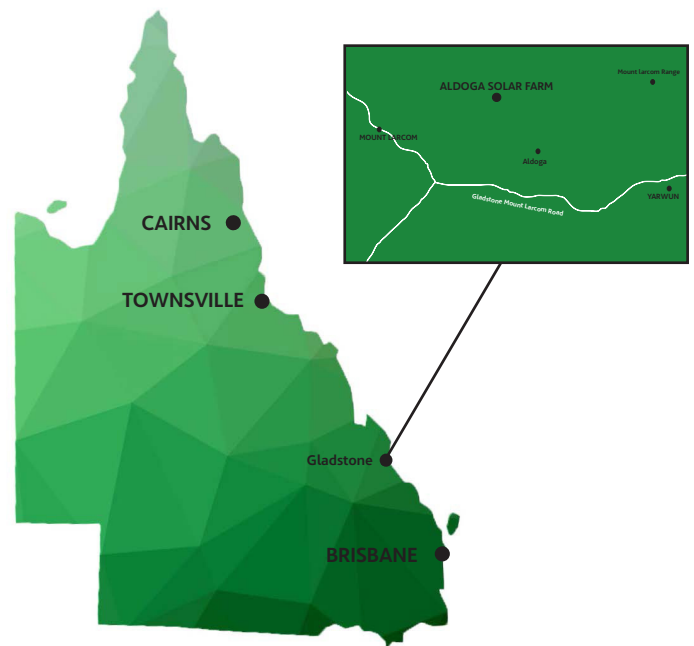
Project Value: A\$400M

Anticipated construction commencement: Q4 2022

Anticipated construction duration: 12 to 18 months

The Aldoga Solar Farm, a proposed 250 MWAC solar photovoltaic (PV) facility, is to be located approximately 20 km north-west of Gladstone on the central Queensland coast.

The A\$400M project will generate significant economic activity in the Gladstone Shire and surrounds.



ABOUT ACCIONA

ACCIONA is a major player in the renewable energy market, with a strong presence in over 30 countries on five continents. The company works exclusively with renewable technologies, including wind, solar PV, solar thermal, hydro and biomass. It has nearly 8,600 megawatts (MW) in operation which annually produces more than 21 terawatt hours (TWh) of emissions-free electricity, equivalent to the consumption of more than six million homes. The company also undertakes projects for third parties, for which it has installed nearly 2,000 MW. Based on its experience of over 20 years in the field of renewable energy, the company provides reliable and efficient solutions based on cutting-edge technologies.

PROJECT OVERVIEW

- The Aldoga site will be Economic Development Queensland's (EDQ) flagship renewable energy project and is part of the Queensland Government's Advancing our cities and regions strategy, which aims to renew and repurpose underutilised state land to generate jobs and drive economic growth. The substantial scale of this project will also contribute significantly to the Queensland Government's target of achieving 50 per cent renewable energy by 2030.
- ACCIONA has signed an option for agreement to lease the land from Economic Development Queensland for the purposes of constructing and operating the Aldoga Solar Farm for a period of 30 years.
- Future development of the site would include solar PV modules, module mounting/tracking systems, inverters, step-up transformer and on-site substation, access tracks, construction compound (temporary), underground cabling and permanent monitoring equipment (e.g. met stations).
- The project will be connected to the National Electricity Market (NEM) via connection into the Powerlink Larcom Creek Station.

COMMUNITY BENEFITS

ACCIONA is committed to maximising the benefits to the local and regional community.

Project benefits include:

- Provide a substantial additional economic focus in the Gladstone region.
- Generate a construction peak workforce of up to 240 jobs.
- Provide 5-10 ongoing full-time positions on site once operational.
- Result in the establishment of a Community Benefits Sharing Plan to strategically deliver added value to the local region over the lifecycle of the project.
- Provide a sustainable and renewable source of energy for the region, with clean energy equivalent to the consumption of around 122,000 homes annually.

Flagship Projects



▲ Gunning Wind Farm, VIC



▲ RFV 20 MW Royalla Solar Farm, ACT



▲ Mt Gellibrand Wind Farm, VIC



▲ Cathedral Rocks Wind Farm, SA



▲ Mortlake South Wind Farm, VIC (under construction)

SOLAR FARM CONSTRUCTION

The construction process is expected to take approximately 12 to 18 months; the actual period will be dependent upon weather conditions and final project size.

The project will involve the following stages:

Site Preparation and Construction of Access Tracks: Each solar farm site starts with building access tracks for the transportation of equipment and the connection routes between the module mounting/tracking systems. During this time, storm water drainage would also be installed. Following construction, the access tracks are used for ongoing maintenance activities.

Installation of the Solar Panels: The solar PV modules are each fixed to a metal mounting structure. The mounting structure can be piled or screwed into the ground. The mounting structures will slowly and virtually silently track (in a single axis) the horizontal movement of the sun. These structures would be up to 4.0m in height with solar panels attached.

Connecting the Solar PV Modules: The electricity produced by the solar PV modules is transported through both above ground and underground electrical cabling. Some cabling is fixed to the mounting structure, which connects each solar PV module to the next one. Underground cabling then connects rows of module mounting/tracking systems, bringing the electricity to a 'power conversion unit'. These units (located within steel containers) convert the electricity generated by the solar PV modules, into electricity suitable for connection into the national electricity grid. Approximately 100 power conversion units will be utilised across the site. Underground cabling will also connect these units together to a central point (the on-site substation) at which the power generated by the solar farm will be stepped up to a higher voltage (275kV) and then fed into the NEM.

Commissioning and Operation: Once all the solar PV modules are fully operational and capable of producing power into the electricity grid, the construction phase is deemed complete and the project will be commissioned. The operational life of the solar farm is approximately 25 to 30 years.

Decommissioning: The typical project life of a solar farm is 25 to 30 years and includes the requirement to decommission and rehabilitate the site, with the aim of returning the site to its pre-existing condition. Most infrastructure (above and below ground) is removed, allowing agricultural land use activities or other land uses in the area, to resume if appropriate.

CONTACT US

For more information, please contact us via our free call community information hotline 1800 283 550; or by Email: aldoga.au@acciona.com

You can also visit our project website at:

<http://www.acciona.com.au/projects/energy/solar-photovoltaic/aldoga-solar-farm>



240

Construction Jobs



122,000

Homes Powered



250MW AC

Solar Photovoltaic (PV)



\$400M

Investment