

# Aldoga Solar Farm

- Location: Aldoga, near Gladstone, Queensland
- Expected Capacity: 600 MWp
- Project Value: A\$0.5Billion
- Anticipated construction commencement: Yet to be determined. Anticipated that initial works will happen onsite in 2022
- Anticipated construction duration: 18 months
- Expected Operating Life: 30+ years

The A\$0.5B project will generate significant economic activity in the Gladstone Shire and surrounds.



## LEADERS IN RENEWABLE ENERGY

ACCIONA Energía makes its technological capabilities available to customers at any stage of a wind or PV project, from resource assessment, processing, engineering, design, construction, operation and maintenance, which includes all the services in EPC (engineering, procurement and construction). In Australia, ACCIONA Energía develops, constructs, owns and operates wind farms, producing clean energy for over 280,000 local households annually. This is from four operational wind farms and a 20 MW solar farm in Australia. Construction of a fifth wind farm is almost complete and plans to build our biggest project yet, a 1,026 MW wind farm in Queensland will commence in 2021.

ACCIONA Energía is the largest 100% renewable energy company with no fossil legacy in the world. It has 11GW of renewable energy in 16 countries. With 30 years of experience, ACCIONA Energía offers a complete portfolio of tailor-made energy solutions for its corporate and institutional clients to meet their decarbonization goals. ACCIONA Energía is committed to the highest environmental, social and corporate governance (ESG) standards. ACCIONA, a leading global company in the provision of regenerative solutions for a decarbonized economy, is the reference shareholder of ACCIONA Energía.

## PROJECT OVERVIEW

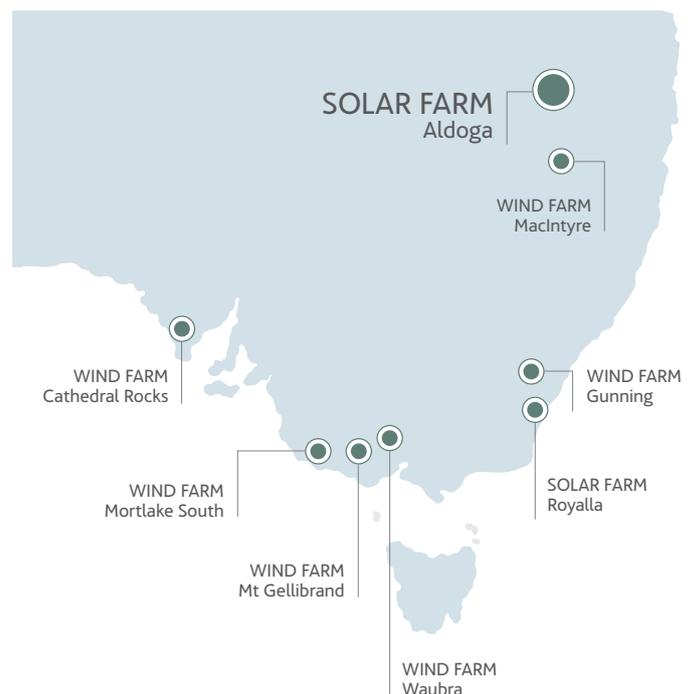
The Aldoga site will be Economic Development Queensland's (EDQ) flagship renewable energy project and is part of the Queensland Government's advancing our cities and regions strategy, which aims to renew and repurpose underutilised state land to generate jobs and drive economic growth. The substantial scale of this project will also contribute significantly to the Queensland Government's target of achieving 50 per cent renewable energy by 2030. ACCIONA Energía 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.

Presence in more than 60 countries

Over 100 years of experience

ENERGY





## EXPERTS IN DESIGNING A BETTER PLANET

### COMMUNITY BENEFITS

- Provide a substantial additional economic focus in the Gladstone region
- Generate a construction peak workforce of up to 350 jobs
- Provide up to 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 222,000 homes annually

### SOLAR FARM CONSTRUCTION

- **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](mailto:aldoga.au@acciona.com)  
You can also visit our website at: [www.acciona.com.au/aldoga](http://www.acciona.com.au/aldoga)

### FLAGSHIP PROJECTS



Royalla Solar Farm



Mt Gellibrand Wind Farm



Cathedral Rocks Wind Farm



Waubra Wind Farm



Gunning Wind Farm