

MacIntyre Wind Farm

- **Location:** Approximately 50 kms south-west of Warwick and 10 kms south of Karara in Queensland.
- **Project Configuration:** 180 x 5.7MW turbines
- **Capacity:** 1,026 MW
- **Tip Height:** 230m
- **Construction Commencement:** Mid 2022
- **Anticipated Construction Completion:** 2024-2025
- **Expected Operating Life:** 30+ years



LEADERS IN RENEWABLE ENERGY

ACCIONA Energía is the largest 100% renewable energy company in the world without a fossil fuel legacy. With 11.4 GW of renewable energy capacity and commercial operations in 30 countries, ACCIONA Energía provides reliable and efficient integrated energy solutions for a better planet.

In Australia, the company develops, constructs, owns and operates renewable energy assets. ACCIONA Energía has delivered five wind farms and a 20 MW solar farm with a total installed capacity of over 600MW. Construction of ACCIONA Energía's largest wind farm, the 1,026MW MacIntyre Wind Farm Precinct is currently under construction. This project will also be one of the largest wind projects in the southern hemisphere.

PROJECT OVERVIEW

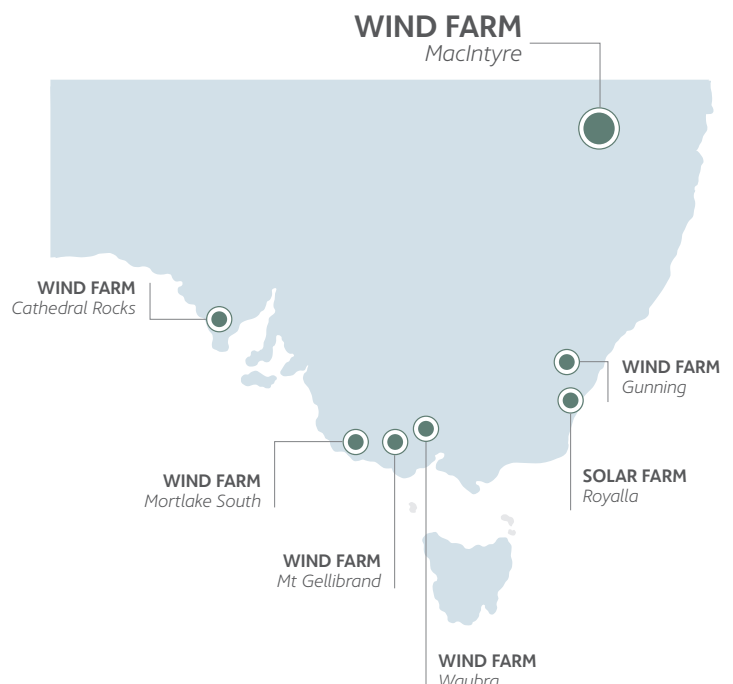
Developed in partnership with CleanCo, the Queensland Government's newest renewable energy generator, the wind farm is expected to be operational in 2024.

The MacIntyre Wind Farm is constructed on land predominately used for sheep farming. Current farming practices will continue during the construction and operations phases of the wind farm. The site has been selected due to its exposure to consistent winds across this part of the country and provides a suitable resource for the development of a wind farm.

**Presence in more
than 60 countries**

**Over 100 years
of experience**

ENERGY



EXPERTS IN DESIGNING A BETTER PLANET

COMMUNITY BENEFITS

- Significant economic activity across the Goondiwindi, Southern Downs and Toowoomba Regional Council Areas
- The project is expected to require a workforce of approximately 450 positions over the life of the project. The project will generate economic activity across the Goondiwindi, Southern Downs and Toowoomba Regional Council areas
- A substantial contribution to the Southern Downs and Goondiwindi Regional Council's through the payment of rates
- Providing a diversified income for wind farm host landowners.
- Employment and procurement opportunities for local residents and businesses
- Establishment of a community enhancement program which will assist community organisations, community groups and local schools with financial grants to support community events, projects and activities
- A Scholarship Program open to local students to provide support to further their education at University or TAFE

WIND FARM CONSTRUCTION

The construction process is dependent upon weather conditions and the final project size.

- **Building Access Roads:** Each wind farm site starts with building access roads for the transportation of equipment and the connection routes between the turbines. Following construction, the access roads are used for ongoing maintenance activities.
- **Preparing Foundations:** Concrete foundations are built to safely secure the wind turbines. Foundations consist of concrete, reinforced steel and bolts. Each foundation will be approximately 20 metres in diameter and approximately 3 metres in depth.
- **Assembling the Towers:** Wind Turbines are composed of a tower, a 3-blade rotor and a nacelle (which houses the gears, generators and electrical conversion equipment). Once the foundation is built, the towers will be erected in sections by a large crane and bolted into position. The nacelle is then lifted and fixed to the tower. The hub and blades are then individually attached.
- **Connecting the Turbines:** An underground electrical collection system will be installed to connect each wind turbine to an onsite substation. An overhead transmission line will connect the on-site substation to the Powerlink Transmission network.
- **Operations and Maintenance Building:** An Operations and Maintenance building will be constructed on site to monitor performance and store spare parts for ongoing maintenance.
- **Commissioning and Operation:** Once all the turbines are fully operational, the construction phase is deemed complete and commissioned and the wind farm will then enter the operational and maintenance phase.
- **Decommissioning:** If it is determined that ongoing operation is not beneficial, a decision will be made to decommission the wind farm. If decommissioning is required, the turbines and towers will be removed and recycled. ACCIONA Energía will be responsible for decommissioning the wind farm.

CONTACT US

For more information, please contact us via our free call community information hotline 1800 283 550; or by email: macintyre@acciona.com. You can also visit our website at: www.acciona.com.au/macintyre

FLAGSHIP PROJECTS



Gunning Wind Farm



Mt Gellibrand Wind Farm



Cathedral Rocks Wind Farm



Waubra Wind Farm



Mortlake South Wind Farm