

# Mortlake South Wind Farm

- **Location:** 5 kilometers south of Mortlake in the Moyne Shire, and about 7kms north-west of Terang in south-west Victoria.
- **Project Configuration:** 35 x 4.5MW turbines
- **Capacity:** 157.5MW
- **Energy Production:** Equivalent up to 117,000 households
- **Project Value:** \$280M AUD
- **Tip Height:** 186m



## LEADERS IN RENEWABLE ENERGY

With over 30 years of experience in the field of renewable energy, ACCIONA Energía provides reliable and efficient solutions leveraging cutting-edge technologies. In Australia, ACCIONA Energía develops, constructs, owns and operates wind farms and locally we have delivered four wind farms and a 20 MW solar farm. Through the projects the company owns, ACCIONA Energía currently generates enough clean energy to power 280,000 households. Construction of ACCIONA Energía's fifth wind farm is almost complete and building of our sixth wind farm will commence in 2022, which will be our biggest project yet, a 1,026 MW wind farm in Queensland.

The company works exclusively with renewable technologies, specifically across wind, solar PV, solar thermal, hydro and biomass. ACCIONA Energía has 11 GW capacity in operation and under construction globally and has nearly installed 2,000MW for third parties.

## PROJECT OVERVIEW

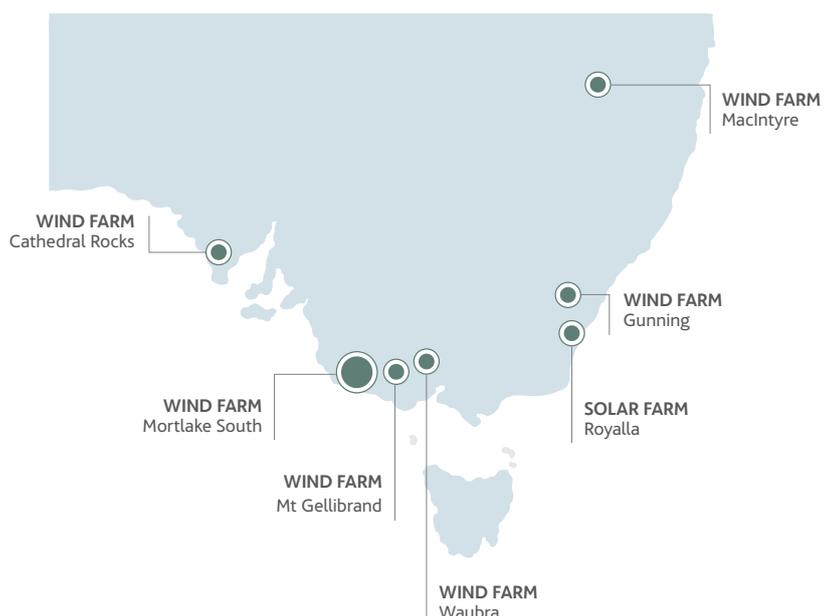


The wind farm is constructed on cleared, level land which is predominately dairy farming country. The location was selected for its high exposure to consistent winds across this part of the state and close proximity to the transmission network.

Planning approval was originally granted by the State government in 2010. In April 2017, the Minister for Planning approved an amendment to the planning permit to allow for the use of contemporary wind turbine technology. In 2018, the Mortlake South Wind Farm was successful in the Victorian Renewable Energy Target (VRET) reverse auction. VRET is the Victorian Government's legislated target aiming for 25% of electricity generation from renewable sources by 2020 and 40% by 2025.

**Presence in more than 60 countries**

**Over 100 years of experience**





# EXPERTS IN DESIGNING A BETTER PLANET

## COMMUNITY BENEFITS

- Creating approximately 80-100 construction jobs and potentially 5-10 full time operational positions.
- A substantial increase in Moyne Shire's rates and diversifying the Shire's income base from traditional sources.
- Providing a diversified income for wind farm host landowners.
- Sponsorship Program - each year approximately \$20,000 will be made available for community events, projects and activities. Community organisations and groups can apply for small grants through an application process.
- Neighbourhood Benefit Program - is a proximity payment available to people who live (own or rent) in a dwelling that is located within 4kms of a wind turbine generator. The payments offered to eligible residents are made via pre-loaded EFTPOS cards, known as Neighbourhood Benefits Cards. The cards can be used to purchase goods and services at participating businesses, within Mortlake, Noorat and Terang. Up to \$180,000 is available for this program annually. The program encourages the community to shop local, keeping spending within the local economy.

## WIND FARM CONSTRUCTION PACKAGES

The construction process is likely to take between 12 - 24 months; the actual period will be dependent upon weather conditions and the final project size.

- **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.
- **Preparing Foundations:** Concrete foundations are built to safely secure the wind turbines. Foundations consist of concrete, reinforced steel and bolts.
- **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).
- **Connecting the Turbines:** An underground electrical collection system will be installed to connect each wind turbine to an onsite substation. Underground transmission lines will connect the on-site substation to the electrical grid interconnection facility or point of interconnection at the Terang substation.
- **Operations and Maintenance Building:** An Operations and Maintenance building will be constructed to accommodate the onsite staff, the equipment and spare parts that will be necessary for ongoing maintenance of the project once it becomes operational.
- **Commissioning and Operation:** Once all the turbines are fully operational and capable of producing power into the energy grid, the construction phase is deemed complete and the project will be commissioned.
- **Decommissioning:** At the end of the wind farm's 25-year life, a decision will be made to either continue operations or decommission the wind farm. If decommissioning is required, the turbines and towers will be removed and recycled. Decommissioning is the responsibility of the owner of the wind farm, i.e. ACCIONA Energía.

## CONTACT US

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

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