

NARROGIN

WIND FARM

Construction Information

August 2026

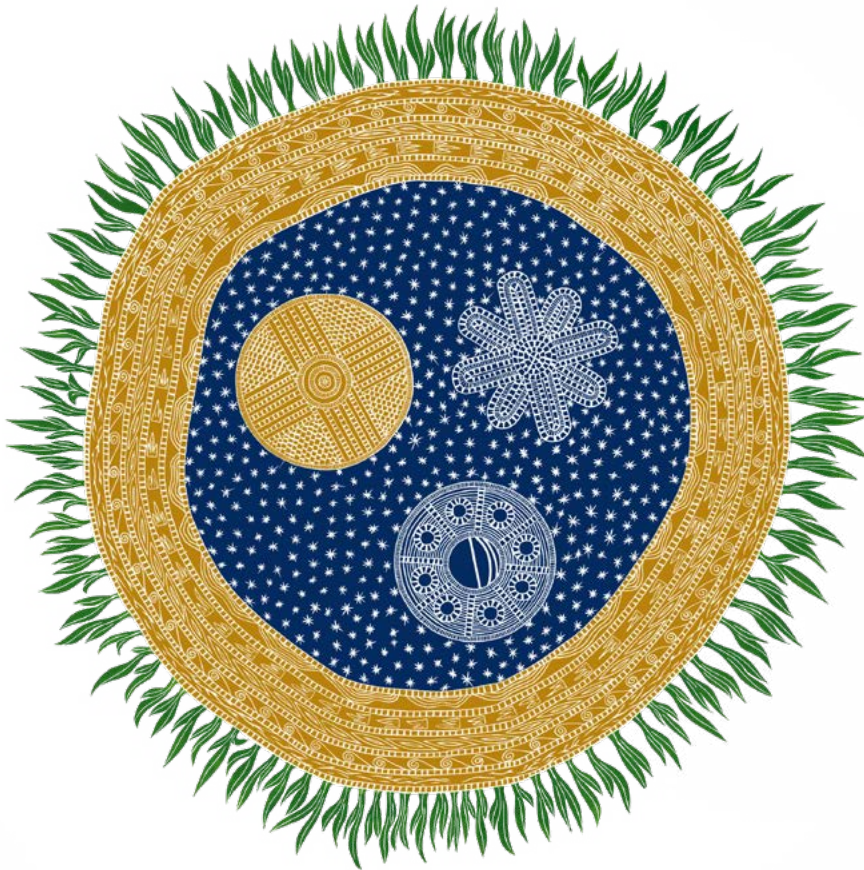
NEOEN

Acknowledgement of Country

Neoen acknowledges the Traditional Owners of Country throughout Australia and recognises their continuing connection to land, waters and culture.

We pay our respects to their Elders past and present.

In particular, we acknowledge the Wiilman Noongar people, Traditional Owners of the lands on which we are developing the Narrogin Wind Farm.



RAP ARTWORK

Celebrating Renewal

Teho Ropeyarn, 2022

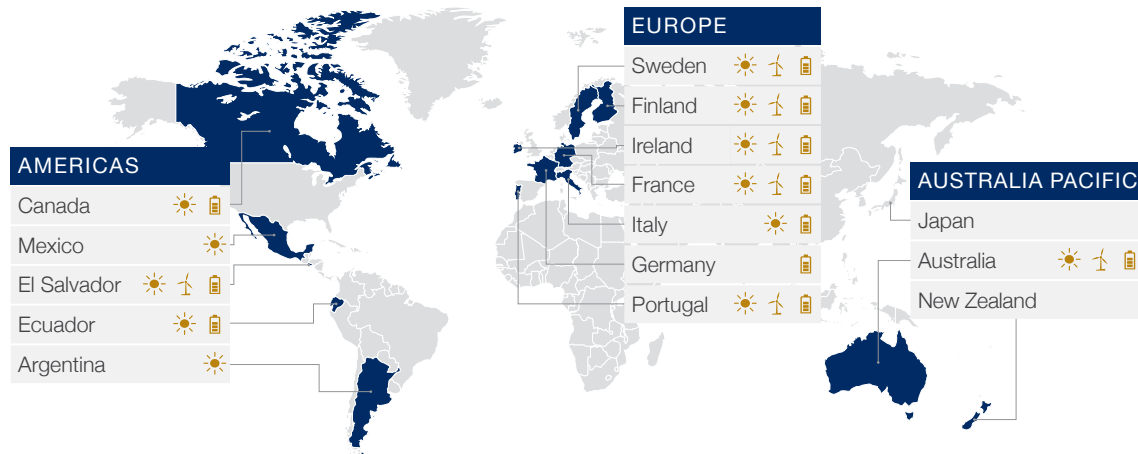
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Neoen produces green electricity from renewable sources such as sunlight and wind using mature, tried and tested technologies. We are also leaders in energy storage.

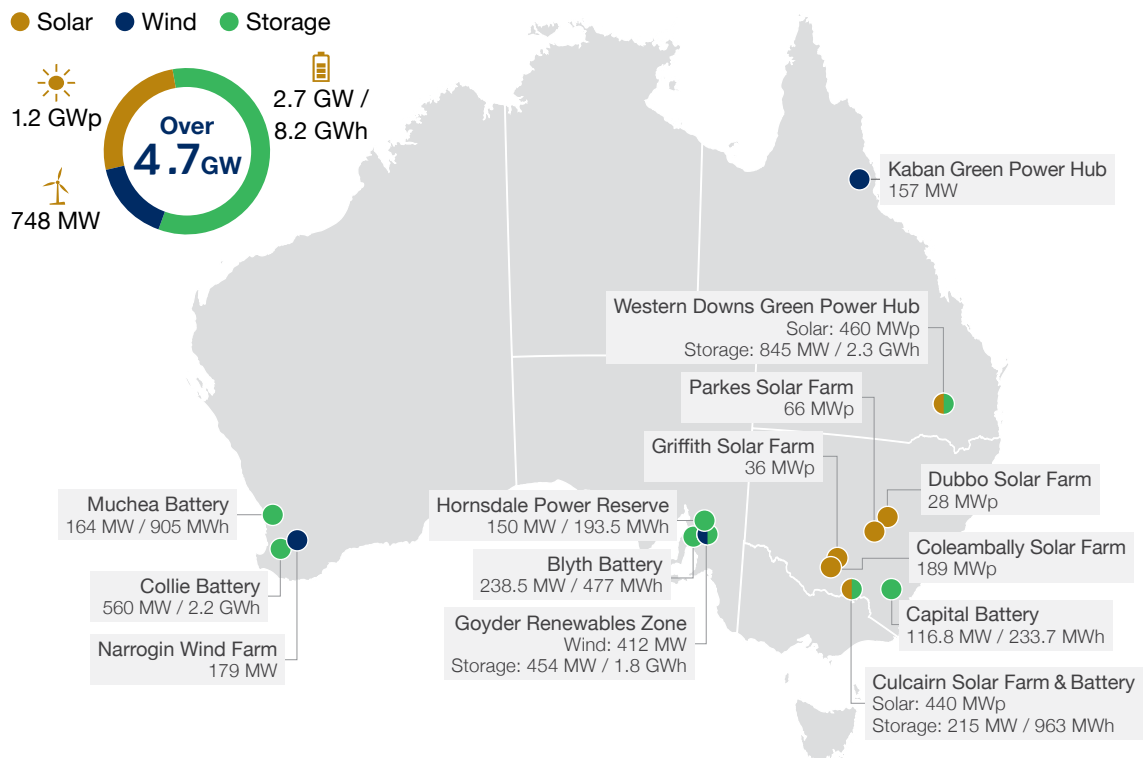
GLOBALLY

Neoen has a presence in 15 countries with over 10.3 GW of assets in in operation, under construction or under management worldwide.



IN AUSTRALIA

Neoen has a high-quality portfolio of wind, solar and battery assets with a total capacity of over 4.7 GW under construction or in operation.



Accelerating Australia's energy transition



LONG-TERM APPROACH

Neoen has end-to-end expertise in developing, building and operating its renewable energy assets, ensuring they are delivering value across their 25+ year lifespan.

Our 24/7 Operational Control Centre in Canberra monitors and oversees our operating assets including wind farms, solar farms and big batteries.



STRONG TRACK RECORD

Neoen has contributed over 5 GW of renewable energy assets and has invested more than \$7 billion in the Australian market.

We have proven experience in partnering with stakeholders to develop, build, commission and operate power plants in the National Electricity Market and the Wholesale Electricity Market.



TRUSTED SUPPLIER

Neoen is a trusted energy supplier of clean energy to major energy consumers including AGL, BHP, Engie, Flowpower and Shell.

We have contracts with governments in South Australia, New South Wales, Western Australia and with Cleanco in Queensland as well as with the Australian Energy Market Operator.

We are known for consistently innovative solutions for the market, the grid and our customers.



100% RENEWABLES

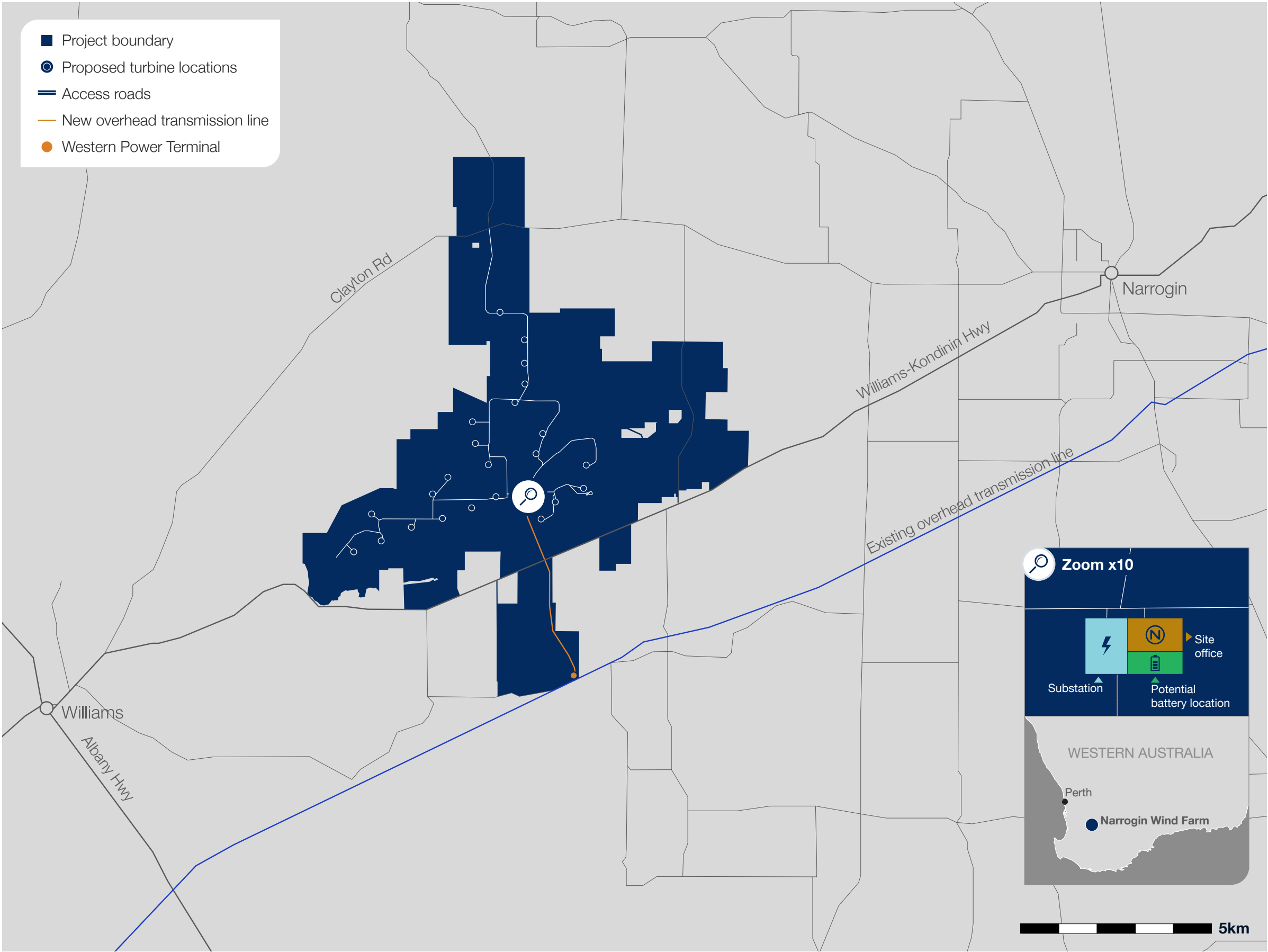
Neoen is not involved in any other energy business streams outside of the investment, construction, and operation of renewable energy assets.

We are a 100% clean energy company.



Narrogin Wind Farm

-  179 MW
-  Located approximately 7km east of Williams and 10km west of Narrogin.
-  It will connect into the electricity grid through the existing Western Power 220 kV overhead transmission line which forms part of the South West Interconnected System (SWIS).
-  It will provide 3% of the average annual WA energy demand, approximately 100,000 homes



What to expect during construction



Construction

The workforce is expected to fluctuate during project phases, and peak at around 270 workers during 2027.

Typical work hours are 7am–7pm Mondays to Saturdays. This may differ based on Approvals. Works may occur outside these hours such as concrete pours or turbine installation.



Operations workforce

Around 15 permanent roles will be required during the project's 30+ year lifespan.

Our team

NEOEN

Developers, Owners & Operators

Construction Project Manager

Kimberley Siew
1800 966 104
contact@narroginwindfarm.com.au

Community Liaison Officer

Susanne Levett
susanne.levett.ext@neoen.com



Engineering, Procurement & Construction (EPC) Contractors

Overall control of the site, managing deliveries of equipment and design of the wind farm.

Project Manager

Gavin Ritchie
gavin.ritchie@envision-energy.com

Procurement Lead

Sabrina Mina
sabrina.mina@ugllimited.com

Project Manager

John Robbins
john.robbins@ugllimited.com

**Electrical Subcontractor**

Electrical installation of AC and DC cable systems and electrical equipment.

**Civil Subcontractor**

Site establishment, road and drainage works.

Work opportunities

Jobs, goods and services expected to be procured through our EPC Contractors:

JOBSEEKERS



Electrical

Electricians
Electricity Installation
Electrical Trade Assistants
Wind Turbine Technician

Civil & Mechanical

Civil
Concreters
Excavator
Dump Truck
Foreman / Supervisor
Forklift and/or Telehandler
General Labour

Grader
Loader
Mechanical
Fittera
Roller
Trucks
Watercarts

Substation

Electricians
Electricity Installation
Electrical Trade Assistants
Wind Turbine Technician

SUPPLIERS



Accommodation
Cleaners
Crane (minor lifts)
Concreters
Concrete supply (offsite supply)
Earthworks plant (wet & dry hire)

Fencing and gates
Food and catering service
Freight
Fuel
Material testing
Mechanical fitter/ maintenance

Operation & maintenance facility construction
Quarry products
Safety Products (local)
Septic pump out services
Small equipment hire
Transport (minor)

Waste management (liquid & solid)
Water (construction & potable)
Welding & engineering fabrication (site services)

LOCAL BUSINESS



Accommodation
Bakeries
Butcher
Chemists

Cafes
Gyms
Hardware stores
Hotels

Mechanics
Motels
Newsagents
Restaurants

Rural supplies
Service stations
Supermarkets
Tyres repairs

Interested in working on the project?

Register on the project website:
narroginwindfarm.com.au/workwithus



Local benefits

COMMUNITY BENEFIT-SHARING PROGRAM

Neoen has made an **annual commitment of \$225,000** under the Community Benefit-Sharing Program to provide significant, meaningful benefits to communities living around our Narrogin Wind Farm. Funding will be available once the project goes into operations and will continue for its 30+ year lifespan.

We aim to fund local projects and initiatives in the following growth areas:



Arts, culture & events



Disaster relief & emergency services



Education & Training



Energy efficiency & environment



First Nations Initiatives



Health & Wellbeing



Community members are encouraged to share their views and ideas on long-term projects through the survey on our website: narroginwindfarm.com.au/community-benefits

Case study

Emergency support services equipment

Coleambally Rescue Squad is part of VRA Rescue NSW. The squad has been active in the Murrumbidgee Shire since its formation in 1976.

Contributions from Neoen's Coleambally Solar Farm helped the Squad purchase new stabilisation equipment for their Light Rescue Vehicle.



ARTWORK COMMITMENT

We commit to create an artwork on all projects with a capacity of over 50 MW. The artwork celebrates renewable energy and local culture.



Case study

Blyth Mosaic, South Australia; mural at the town cafe, 2025.

For our Blyth Battery, after community consultations in 2023, we discovered the town wanted a mosaic celebrating local life. We delivered our artwork initiative by funding this community project in partnership with the Blyth Progress Association.

ENVIRONMENTAL ABOVE & BEYOND INITIATIVES

We are committed to supporting local, environmental initiatives that bring benefits to the areas surrounding our project sites. We welcome ideas from the communities on a valuable conservation and/or biodiversity protection initiative that can be supported through the Narrogin Wind Farm.



Case study

Worlds End Gorge, South Australia

For our Goyder Renewables Zone, the project team gifted 1,000 hectares of the iconic Worlds End Gorge to the Government of South Australia, paving the way for a new national park in the state's Mid North region. Watch the video on the project website to learn more.

Bushfire prevention

Neoen prioritises fire safety and risk mitigation across all projects.

As a long-term renewable energy owner and operator, we work with rural fire authorities from development through construction and operation. We aim to ensure new infrastructure does not place unnecessary pressure on local firefighting resources or create unmanaged risks for nearby communities and the environment.

We have worked closely with local authorities over the past decade:



WHAT TO EXPECT



Development

We consult rural fire authorities and community volunteers when designing each project. Their advice helps shape:

- emergency access, gates, fencing and firetruck routes,
- high-risk areas, terrain and construction traffic,
- water supply and hose compatibility,
- local bushfire history and vegetation management,
- on-site personnel, equipment and communication procedures,
- work restrictions during hot weather and total fire bans.

A *Bushfire Management Plan* and an *Emergency Response Plan* are prepared to strategise prevention, training, monitoring, detection, notification and response.



Construction

Site infrastructure is designed to meet local and state fire authority requirements. New access tracks provide additional emergency routes.

Contractors carry appropriate PPE and basic firefighting equipment, and all workers are trained in emergency procedures.

Fire crews visit the site to review access and maps, while **quarterly drills** test scenarios such as tower rescues and turbine fires.



These plans are used throughout the project's life



Operations

On-site service teams, CCTV and turbine smoke detectors provide additional monitoring in remote areas, supported by a 24/7 on-call operator. Vegetation is managed to reduce fuel loads, and Asset Protection Zones around turbines and substations act as fire breaks.

Annual reviews with fire authorities cover emergency responsibilities, access, water supplies, rescue procedures, equipment needs and response times.

FREQUENTLY ASKED QUESTIONS

Are wind turbines a fire risk and how will this be mitigated?

All electrical infrastructure carries some fire risk, but turbine fires are extremely rare and are generally contained to the turbine. Fire services may also manage spot fires caused by falling debris.

Wind farms support bushfire preparedness through vegetation management, Asset Protection Zones, firebreaks, water reserves, access tracks and monitoring in remote areas. Turbine height and lightning protection systems can also reduce the risk of strikes to nearby trees and property.

How do turbines affect aerial firefighting using light aircraft and heavy water bombers?

During a fire emergency, Neoen would stop and electrically isolate turbines, position the blades safely where practical, and provide access requested by fire services. Depending on the situation, turbines may be locked in a “Y” position to support aerial firefighting while prioritising human safety.

Aircraft must avoid turbines and follow relevant visual flight rules, as they would around power lines, towers and other tall hazards. These procedures are covered in the *Bushfire Management Plan and Emergency Response Plan*, developed with fire authorities and in accordance with state planning requirements.

How can wind turbines prevent a fire risk?

Smoke detection systems can automatically shut down turbines and alert on-site technicians, who assess the situation and notify fire authorities when required. Some turbines also include fire suppression systems that release an environmentally friendly gas to cool and extinguish flames.

Neoen ensures its project comply with all local and state fire authority requirements.

Case study Prioritising safety

Our Culcairn Solar Farm, one of the largest solar farms in New South Wales, Neoen has:

- 10x the required water supply for firefighting
- A 10m fire break along the site perimeter
- Grass height under 10cm in the fire break
- All-weather site access tracks.



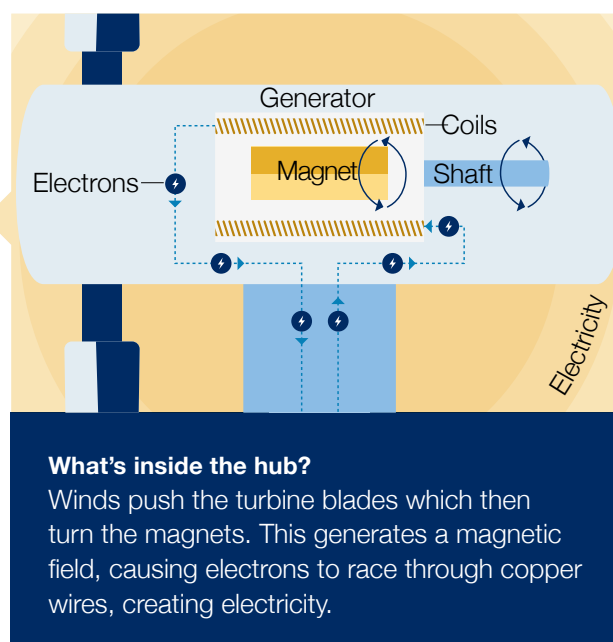
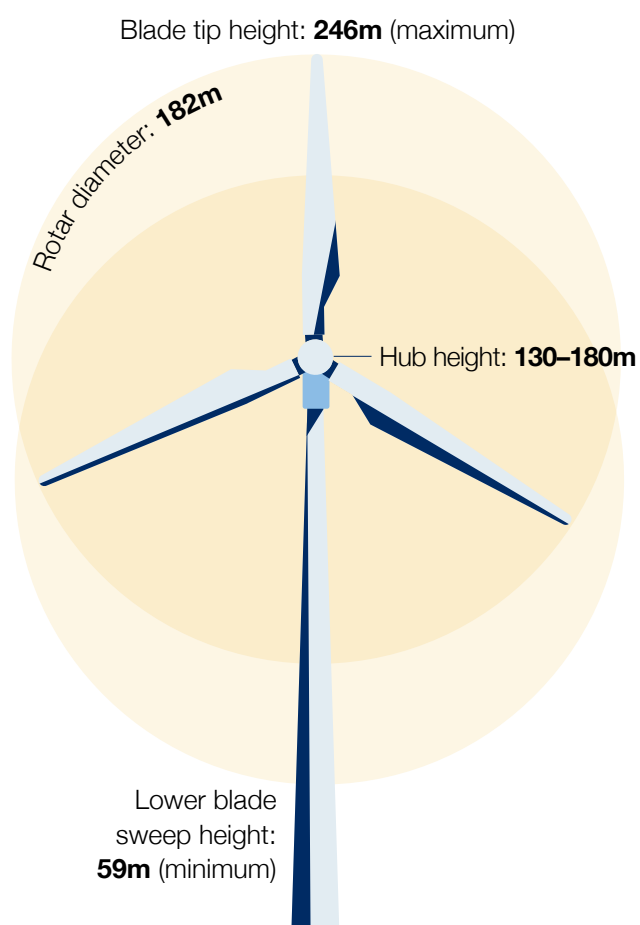
Watch the video and hear what the NSW Rural Fire Service said about our approach: youtube.com/@neoen1252



About wind turbines

New turbine models are larger than their predecessors. Often during permitting, higher hub and tip heights will be requested to accommodate the next generation.

Larger turbines generate more and cheaper energy because they can access higher wind speeds at higher elevations. They are spaced further apart (approximately 500–1,000m depending on the project) and have lower rotational speeds than smaller turbines. They also generate savings in civil and electrical costs because they require less concrete, roads and cables per unit of energy generated. This reduces carbon emissions, construction traffic, and vegetation clearance. Their blades are above the flight paths of most birds, greatly reducing the impact to avifauna.



Case study

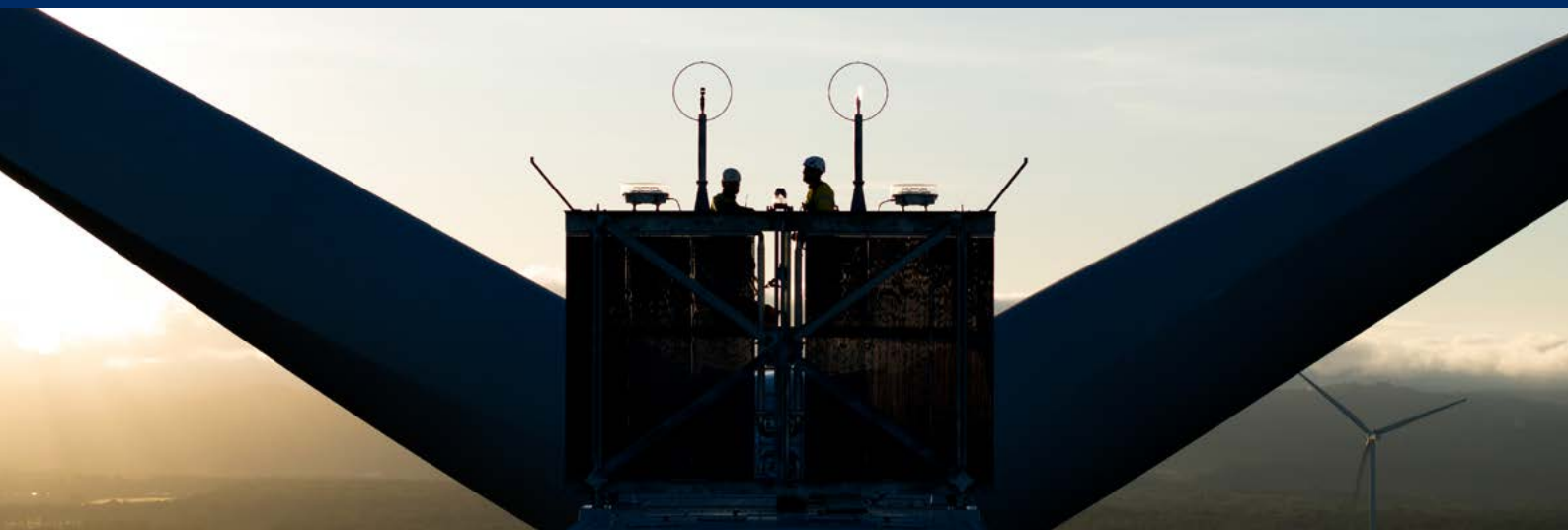
Futureville

In partnership with the Canberra Institute of Technology, Neoen recently launched Futureville, an online game to help students find their ideal career in renewable energy.

Designed for Years 9–12, Futureville advocates for the diversity of jobs needed and available.

We encourage you to use and share this free resource now available via neoenlearning.com.





Wind farms

How long do construction and operations last?

Construction time depends on project size and workforce. A 100 MW project typically takes about 14 months, while larger projects may take 30–36 months. Wind farms generally operate for 25–30 years.

What technology is used?

Neoen selects high-quality wind turbines and battery systems from leading manufacturers through a competitive process. Turbines generally include warranties of 25–30 years.

What happens at the end of the wind farm's life?

After approximately 25–30 years, the turbines and other above-ground structures are removed and the site is rehabilitated. Decommissioning is required under project approvals and landowner agreements, and most materials can be reused or recycled.

Economy

Do renewables benefit the Australian and local economy?

Yes. A 2012 SKM study found that a 50 MW wind farm could support up to 48 construction jobs, generate about \$1.2 million in local spending, and create further indirect employment locally, across the state and nationally.

How much do renewables cost compared with other energy sources?

The 2024 CSIRO GenCost report found that compared with other sources, renewables are the cheapest form of new electricity generation, even when storage and firming costs are included. This is expected to continue into the 2030s.

Who pays for upgrades to roads transmission lines?

Neoen pays for any upgrades needed to transport turbine components on state, local government or landowner roads, as well as repairs for any project-related damage. Neoen also funds construction and ongoing maintenance of all electrical infrastructure required to connect and operate the project.

Are government subsidies required?

No. Projects are financed through Neoen's equity and long-term bank loans. Neoen may also enter agreements with governments or businesses to purchase the electricity generated.

Who assesses the projects?

Projects are assessed under strict state and federal regulations. Neoen works with relevant authorities to meet all legal requirements and, where possible, exceed them.

Do wind farms reduce property values?

Studies by the NSW Valuer-General in 2009 and Urbis in 2016 found insufficient evidence linking wind farms to reduced property values.



Health & culture

Are there any health risks associated with wind farms?

Reviews by 17 leading health organisations, including the World Health Organization and Australia's National Health and Medical Research Council, found no published evidence linking wind turbines to adverse health effects.

Can turbine noise affect nearby residents?

Wind farms must meet strict noise limits at neighbouring homes before operating to ensure noise is not intrusive.

Will the project affect air quality?

Dust and machinery emissions are monitored during construction. Work may pause in windy conditions, and equipment is regularly inspected and maintained.

Is cultural heritage considered?

Yes. Cultural heritage assessments and consultation with local Indigenous groups form part of project planning, in line with relevant laws.

Can turbines affect aircraft operations?

Turbines and meteorological masts are clearly visible and registered with relevant aviation authorities.

How will construction traffic be managed?

Neoen will assess access roads and complete required upgrades or maintenance in consultation with landowners and regional councils.

Can turbines disrupt communications or reception?

An electromagnetic interference study has assessed potential impacts. Neoen will conduct required testing and address any project-related disruption.

Environment

Do wind farms impact on flora and fauna?

Specialist consultants assess local ecology before construction. Projects avoid high-conservation areas and reduce wildlife impacts through careful turbine placement, exclusion zones, surveys and environmental management plans.

Do wind turbines affect farm animals?

Sheep and cattle usually adapt within days and may use turbine towers for shade or shelter.

Do wind farms harm birds?

Research indicates wind farms cause fewer bird deaths per unit of electricity than fossil fuels, vehicles, pesticides and powerlines. Turbine design and placement also reduce collision risks.

How will weeds be managed?

Weed surveys will occur before and after construction. Identified weeds will be treated, with monitoring continuing in disturbed areas for up to two years or until no longer detected.

Has the impact on black cockatoos been assessed?

Yes. Western Australian studies found that black cockatoos rarely fly above 50 metres. Where present, turbines will have a minimum blade-tip height of 59 metres to reduce risk.

NARROGIN

WIND FARM



narroginwindfarm.com.au



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