

Central-West Orana Renewable Energy Zone Overview

Central-West Orana Renewable Energy Zone (REZ)

June 2025



EnergyCo is delivering the Central-West Orana Renewable Energy Zone (REZ) to provide clean, affordable and reliable power for energy consumers across NSW. The REZ will initially unlock up to 4.5 gigawatts (GW) of new network capacity for solar, wind and battery storage projects, enough to power 2 million homes.

What is a Renewable Energy Zone and why do we need them?

To ensure we have the electricity we need, we must replace our ageing coal-fired power stations. Renewables (solar, wind and batteries) are now the cheapest way to generate electricity.

Renewable energy projects will be grouped together in Renewable Energy Zones. The network will be upgraded to connect the to NSW's existing electricity grid.

What is the Central West-Orana REZ?

The state's first renewable energy zone is in the Central-West Orana region, centred between Dubbo, Dunedoo and Mudgee. It also takes in Gulgong, Wellington, Gilgandra, Coolah and other towns.

Why was this region chosen?

The Central-West Orana region was chosen for its strong solar and wind resource potential, proximity to high-voltage transmission lines, and considerations of land use and environmental values. As Australia's first REZ, it highlights the region's potential for renewable energy projects, contributing to the National Electricity Market and supporting jobs and investment.

Key facts



Unlocking at least 4.5 gigawatts of new network capacity by the late-2020s



New transmission infrastructure will connect solar and wind projects to the grid



Expected to bring around \$20 billion in private investment to the region



Estimated to support around 5,000 construction jobs at its peak

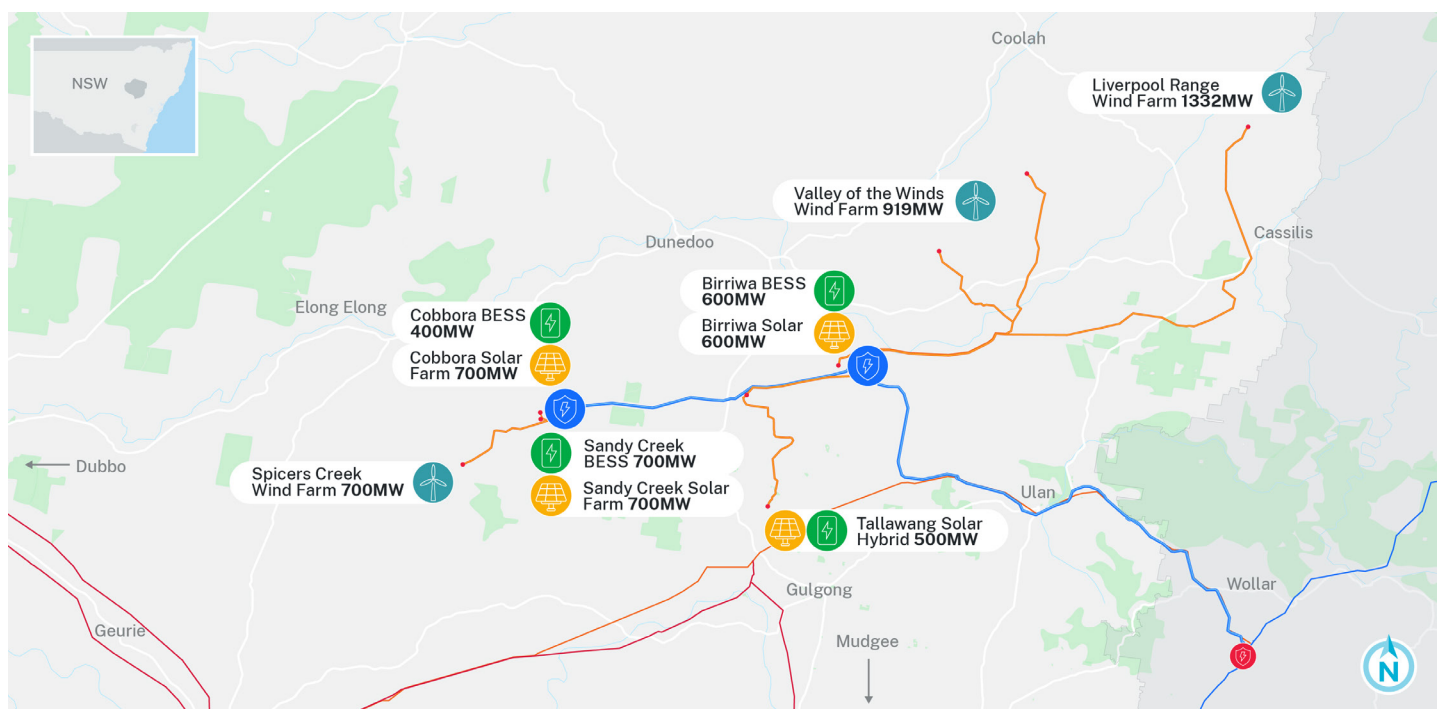
What is NSW's plan for renewable energy?

The Electricity Infrastructure Roadmap (the Roadmap) is NSW's pathway to powering the State with affordable, clean and reliable energy for everyone. It sets out how we are going to transition the electricity network to one that will keep the lights on and put downward pressure on energy prices for years to come. A key element of the rollout is the declaration of Renewable Energy Zones.

Who is EnergyCo?

The Energy Corporation of NSW (EnergyCo) is a statutory authority appointed by the NSW Government to deliver Renewable Energy Zones (REZs) across NSW. Our projects are critical to achieving legislated energy security as well as renewable energy and emissions reduction targets in NSW and Australia.

Central-West Orana REZ



Legend

- Authorised 330kV transmission corridor
- Existing 132kV network
- Existing 500kV network
- Energy hub
- Authorised 500kV transmission corridor
- Existing 330kV network
- Switching station
- Barigan Creek switching station site

Contact Us

If you have questions or feedback about the Central-West Orana REZ transmission project please contact us:

1800 849 794 (9am to 5pm, Monday to Friday)

cwo@energyco.nsw.gov.au

energyco.nsw.gov.au/cwo

Scan the QR code for more information



For construction or out of hours enquiries, please contact our network operator ACERZ on 1800 298 379 or visit acerez.com.au