

Coordinating generation and storage projects

New England Renewable Energy Zone

August 2025

EnergyCo is developing the New England Renewable Energy Zone (REZ) to keep the lights on across NSW and deliver more affordable, clean and reliable energy to homes and businesses across the state.

Working with generation and storage developers

The New England REZ will group renewable energy projects including solar, wind and batteries, and high-voltage poles and wires to power the NSW energy grid into the future. EnergyCo is delivering the new grid and is working with private developers of generation and storage projects to decide how projects will connect to the New England REZ network.

Connecting projects to the grid is a complex process and involves a range of technical topics including access rights, schemes and control mechanisms. For more details on these topics you can view our 'How a renewable energy zone works' fact sheet online at energyco.nsw.gov.au/ne.

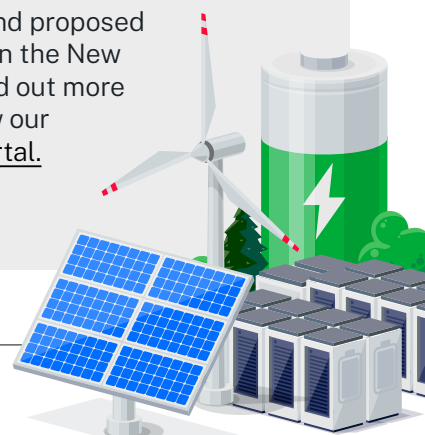
While we plan where the new power lines and energy hubs will be located in the New England REZ, we won't know exactly which projects will connect for another

few years. This is because generation projects are still in the early development phase and seeking their planning and investment approvals.

In the meantime, we are continuing to refine the design of the REZ including working closely with generation and storage developers in the planning process who intend to connect to the new network.

REZ-wide coordination and planning

To see where existing and proposed generators are located in the New England REZ, and to find out more about each project, view our interactive map at portal.com.au/energyco/rez.





Powering the New England REZ

How much generation do we need to power the REZ?

Megawatts (MW) and gigawatts (GW) are units of power. One MW is one million watts of power. One GW is 1,000 megawatts, or one billion watts.

The New England REZ has an intended network transfer capacity of 8 GW. Within the next decade, 6 GW of network transfer capacity will be delivered. A further 2 GW of capacity may be delivered in the future if needed to meet energy demand.

The REZ could support around 12 GW of generation (from solar and wind) with 4 GW of storage to fill the initial 6 GW of network transfer capacity (from the poles and wires). We need more generation capacity than network transfer capacity because not all generators will always be operating at maximum capacity. The amount of generation will depend on the mixture of generators that connect to the network.



Strengthening the NSW grid

EnergyCo will connect the new power lines to Transgrid's existing network at Bayswater. This is to get the electricity from the New England REZ to consumers.

Within the REZ, EnergyCo is also planning to connect the New England REZ network to Transgrid's existing electricity network. This will provide more capacity for the whole NSW grid and make the network stronger and more reliable.

Renewable energy projects in the New England REZ can connect to either EnergyCo's new power lines or Transgrid's existing lines in the region. This gives generators flexibility on where they can connect, which may help shorten connection lines between projects and the network. This would help reduce impacts to landowners and make electricity more affordable for consumers.

Stage 1 and 2 by 2034:



6 GW

network transfer capacity



Up to 12 GW

generation capacity with 4 GW storage



5.3 million

homes powered

** These figures are based on current expected staging and capacity of the REZ and are subject to change.*

Generation and Storage Consultation Paper



We have been engaging with renewable energy project developers and have released a *New England REZ Generation and Storage Consultation Paper* for the New England REZ. This document seeks initial feedback and input on approaches under consideration for managing the connection and coordination of generation and storage projects for the REZ. It includes key topics like:

- how a potential access scheme could work for the New England REZ
- approach to generator connection lines, which connect the projects to the grid
- system strength, or how we will keep the network stable and secure.

As part of this work, we are holding a public consultation period for interested stakeholders including industry and the community to provide feedback on the paper. You can view the Paper and find more information about how to provide feedback on our website at energyco.nsw.gov.au



White Rock Wind Farm

Next steps

EnergyCo is continuing to work closely with generators to plan the development of the New England REZ including the generator connection model, REZ-wide coordination and the design of a potential New England REZ access scheme.

We will carry out consultation with industry, key stakeholders and the community before our approach to connecting generators to the grid is finalised. We will keep the community updated about opportunities to provide feedback.

We will also work closely with landowners on potential generator connection lines in the New England REZ, which will require a separate planning approval process and community consultation. We expect to provide further details on this work in 2026.



New England Solar Farm

About EnergyCo

The Energy Corporation of NSW (EnergyCo) is a statutory authority responsible for leading the delivery of Renewable Energy Zones (REZs) as part of the NSW Government's Electricity Infrastructure Roadmap.

EnergyCo is working closely with communities, investors and industry to deliver the state's first five REZs.

For more information about EnergyCo, visit our website at energyco.nsw.gov.au/about-energyco.

Contact us

For more information, please visit our website or get in touch with our team.



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energyco.nsw.gov.au/ne



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Share your feedback

EnergyCo wants to hear what you think about our plans. If you have questions or want to give feedback, please get in touch with our team. You can find more information on our website by scanning the QR code or by visiting energyco.nsw.gov.au.

