

Renewable Energy Zones in NSW

Mike Young
Executive Director – Planning & Communities
Energy Corporation of NSW

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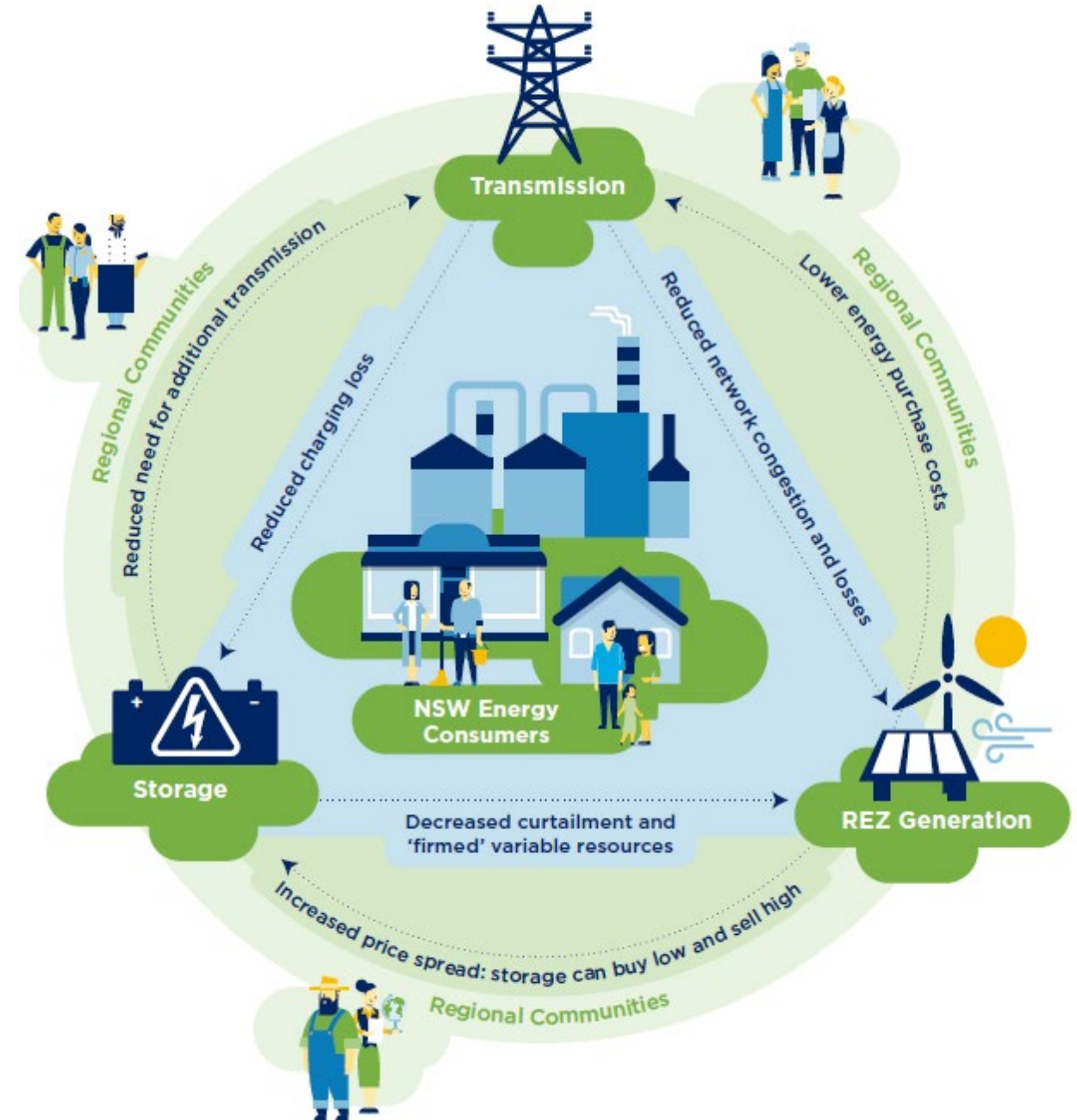


NSW Electricity Infrastructure Roadmap

The NSW Electricity Infrastructure Roadmap sets out the NSW Government's vision for coordinated investment in the network, generation and storage infrastructure needed to replace the State's ageing power stations as they retire.

1. Renewable Energy Zones (REZs)
2. Transmission Development Scheme
3. Access Scheme for Transmission Lines
4. Long Term Energy Service Agreements (LTESA)

EnergyCo is a NSW Government statutory authority responsible for overseeing the strategic planning and delivery of the Renewable Energy Zones in NSW.



EnergyCo

The **Energy Corporation of NSW** (EnergyCo) is a statutory authority re-established in line with legislative functions under the *Energy and Utilities Administration Act 1987* and the *Electricity Infrastructure Investment Act 2020*.

EnergyCo's role is to lead design, delivery and coordination of **NSW Renewable Energy Zones (REZs)** and other electricity infrastructure in a way that benefits consumers, investors and regional communities.

EnergyCo has the following functions:



Coordinate **\$32 billion** of investment in REZs to deliver at least **12 GW** of renewable energy by 2030.



Lead the declaration, coordination and delivery of the state's **first five REZs** in NSW.



Design and deliver **transmission** network infrastructure projects for REZs



Work with communities, industry and other stakeholders to **maintain community support** and **maximise benefits for regional communities**

What are Renewable Energy Zones?

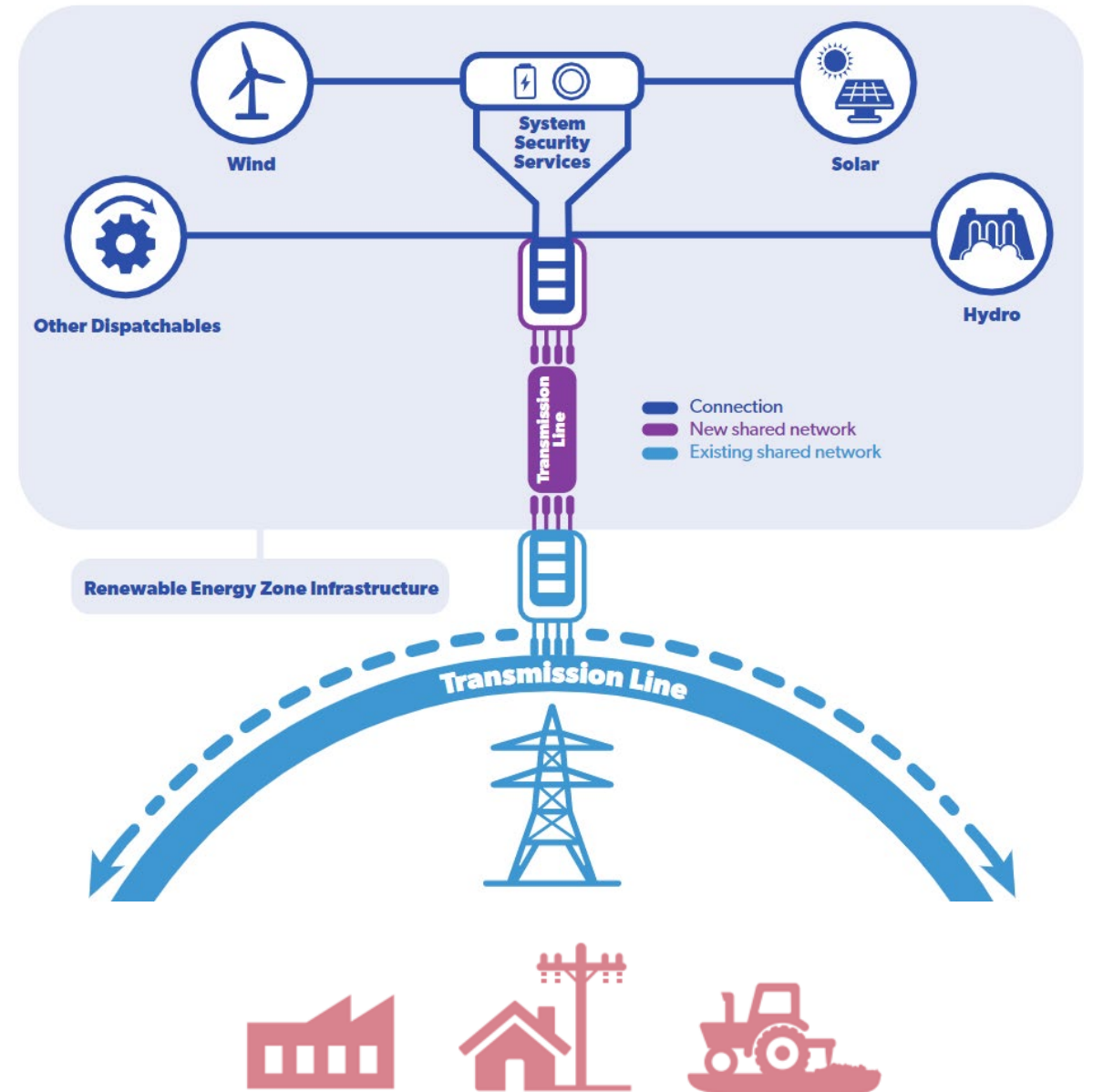
Renewable Energy Zones are modern day power stations combining generation, storage, transmission and system strength in a geographic area

How REZs work

Private developers and investors build generation, storage and system strength, while benefiting from greater commercial certainty through the REZ access scheme and Long-term Energy Service Agreements

EnergyCo acts as the Infrastructure Planner for NSW REZs and coordinates whole-of-REZ strategic planning and delivery

Network providers (such as Transgrid) develop network infrastructure in line with National Electricity Rules



NSW Renewable Energy Zones

Five Renewable Energy Zones to bring online at least 12 GW by 2030



Central-West Orana – 3 GW

New England – 8 GW

South-West – 2.5 GW

Hunter-Central Coast – mid-2022

Illawarra – Late 2022

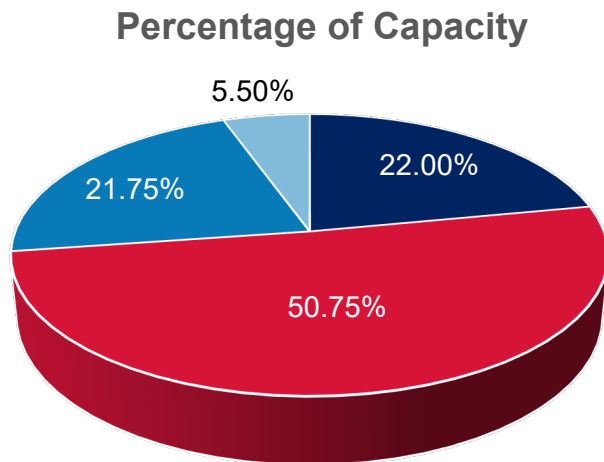
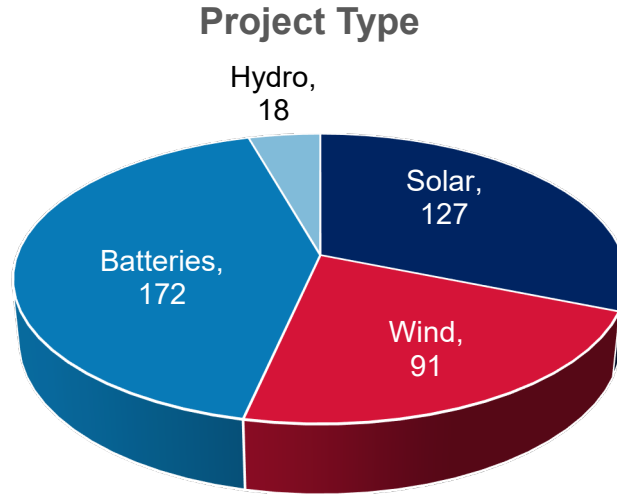
REZ Registrations of Interest – Generation & Storage

328 Responses

408 Generation and Storage projects

135 GW of capacity

190 GWh of storage potential



■ Solar ■ Wind
■ Batteries ■ Hydro



HCC REZ included 7 offshore wind projects totalling 24.5 GW

A further 28 projects involving load and hydrogen were also received through the ROI processes

No transition without transmission

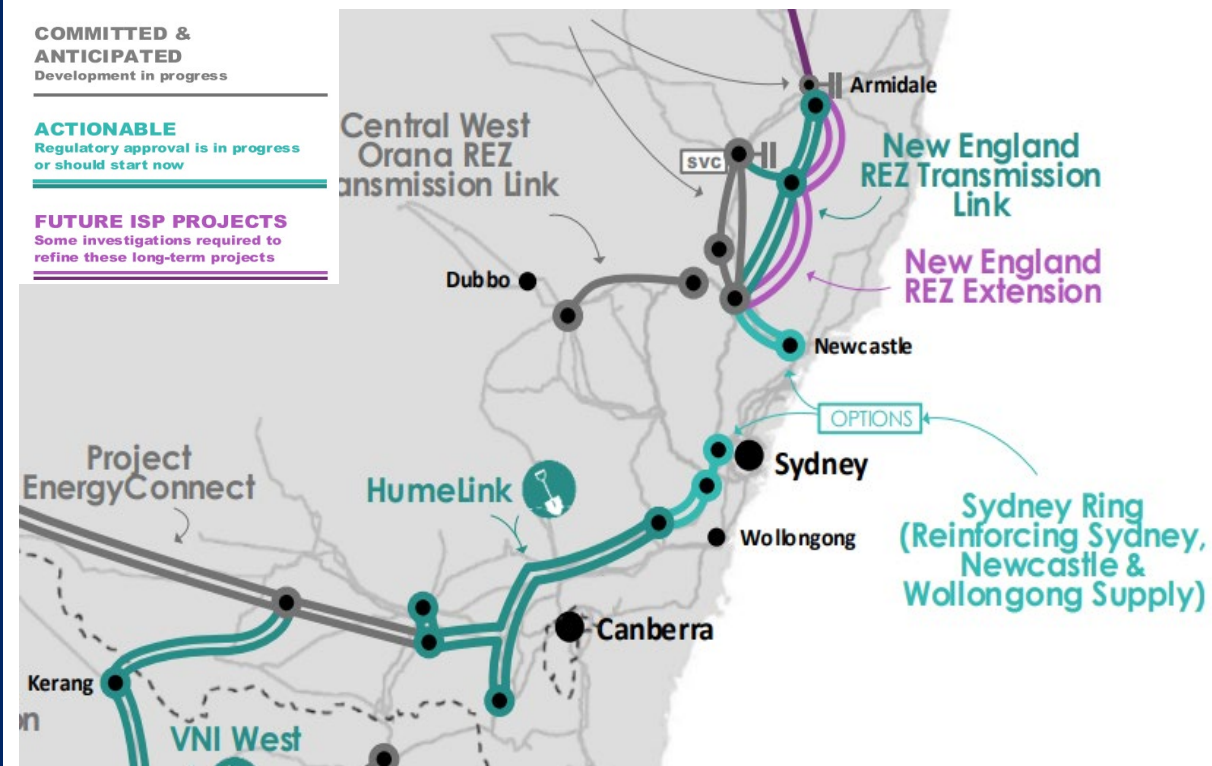
AEMO's *Integrated System Plan* identifies over 3,000 km of new high voltage transmission lines will be needed in NSW in the next 20 years, including at least 2,000 km by 2030.

EnergyCo Projects

- CWO Transmission Project – 180 km – by 2027
- Hunter Transmission Project – 150 km – by 2027
- New England Transmission Project/s ~ 400 km – by 2028
- Waratah Super Battery – Munmorah – by end 2024

Transgrid Projects

- Project Energy Connect – 680 km – by 2025
- HumeLink ~ 360 km – by 2029
- VNI West ~ 340 km – by 2030/31



2022 AEMO Integrated System Plan

Coordination Strategies and Policies

NSW Transmission Guidelines	Landowner benefit payments	Community benefit fund	Cumulative impact studies
<p>We are developing a robust framework for planning and developing new transmission infrastructure to provide certainty for landowners, communities and project proponents.</p>	<p>Strategic benefit payments scheme for landowners who host major transmission infrastructure across NSW.</p>	<p>Generator access fees will include a component for community and employment purposes. We are investigating opportunities to bring forward delivery of programs in advance of these fees being collected.</p>	<p>We are carrying out a range of studies to inform how we will coordinate impacts within the CWO REZ, including workforce accommodation, roads, training, telecommunications, social infrastructure and waste.</p>
First Nations Guidelines	Regional Energy Strategy	Prohibition guidelines	Strategic biodiversity offsets
<p>The Minister for Energy recently issued guidelines on consultation and negotiation with First Nations communities for energy infrastructure delivered under the Roadmap, including specific guidelines for the Central-West Orana region.</p>	<p>We are developing a regional energy strategy which will outline opportunities to benefit regional communities in the REZs, including community energy schemes, power purchasing agreements and other initiatives.</p>	<p>Guidelines are being developed which outline the prohibition powers that EnergyCo could take to prevent connection to new REZ infrastructure. Draft guidelines were put on public exhibition in June.</p>	<p>EnergyCo's strategic biodiversity offsets program aims to achieve coordinated, landscape scale biodiversity outcomes starting with a CWO pilot.</p>

EnergyCo NSW



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