



Department of
Energy and Economic
Diversification

Energy Policy WA

In collaboration with Western Power

Powering our State's future

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Thursday 25 September

Working together for a
brighter energy future.

Acknowledgement of Country

The Government of Western Australia acknowledges the traditional custodians throughout Western Australia and their continuing connection to the land, waters and community.

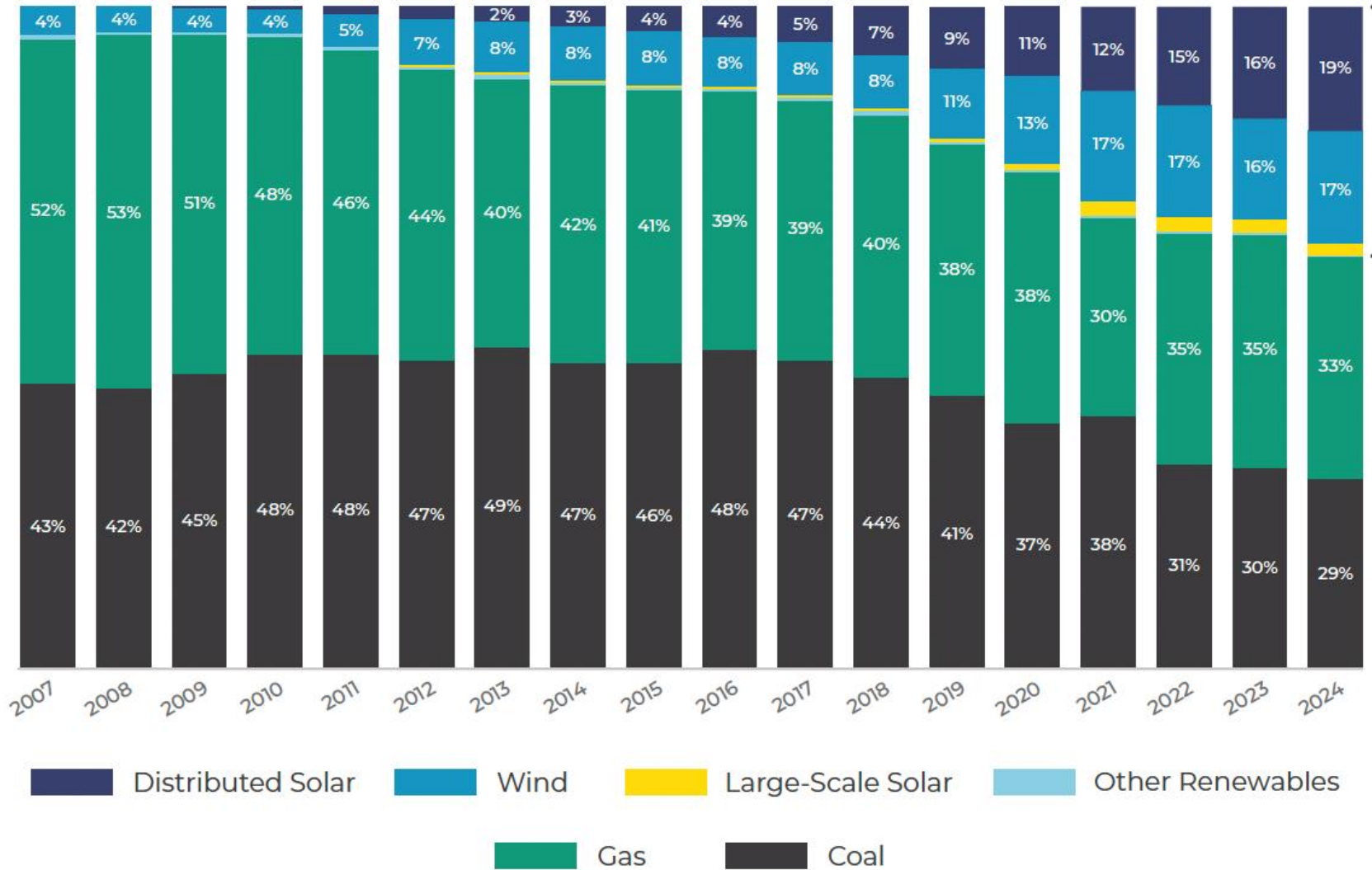
We pay our respects to all members of the Aboriginal communities and their cultures; and to Elders both past and present.

WA's energy transition

- A cleaner, more sustainable energy system
- Demand for energy on the SWIS is growing rapidly
- Transmission investment key to unlocking diverse renewable energy solutions
- Made in WA and Diversify WA framework

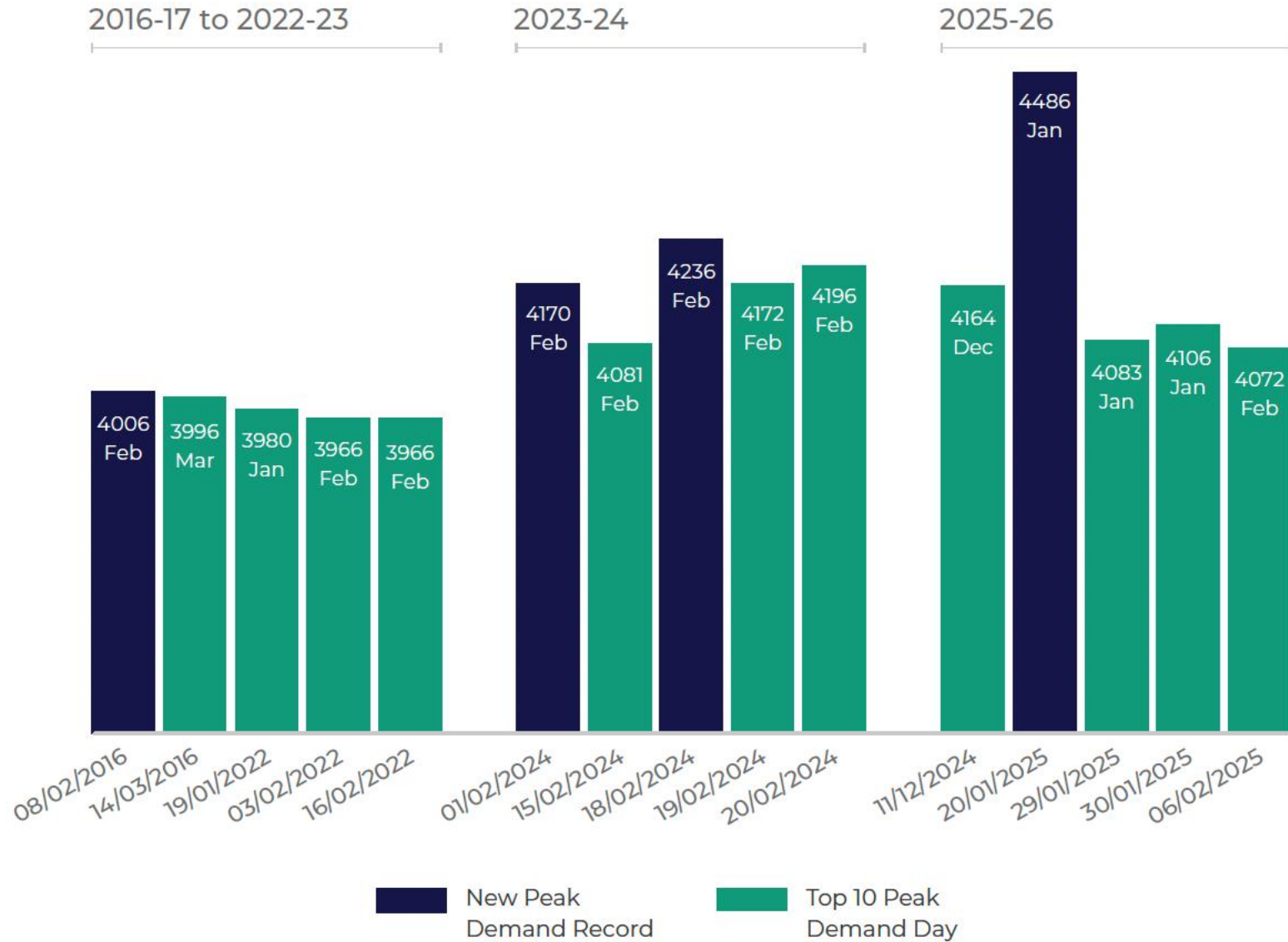
SWIS generation output (%) by calendar year and fuel

38 per cent of energy on the SWIS was renewable in 2024 ▼

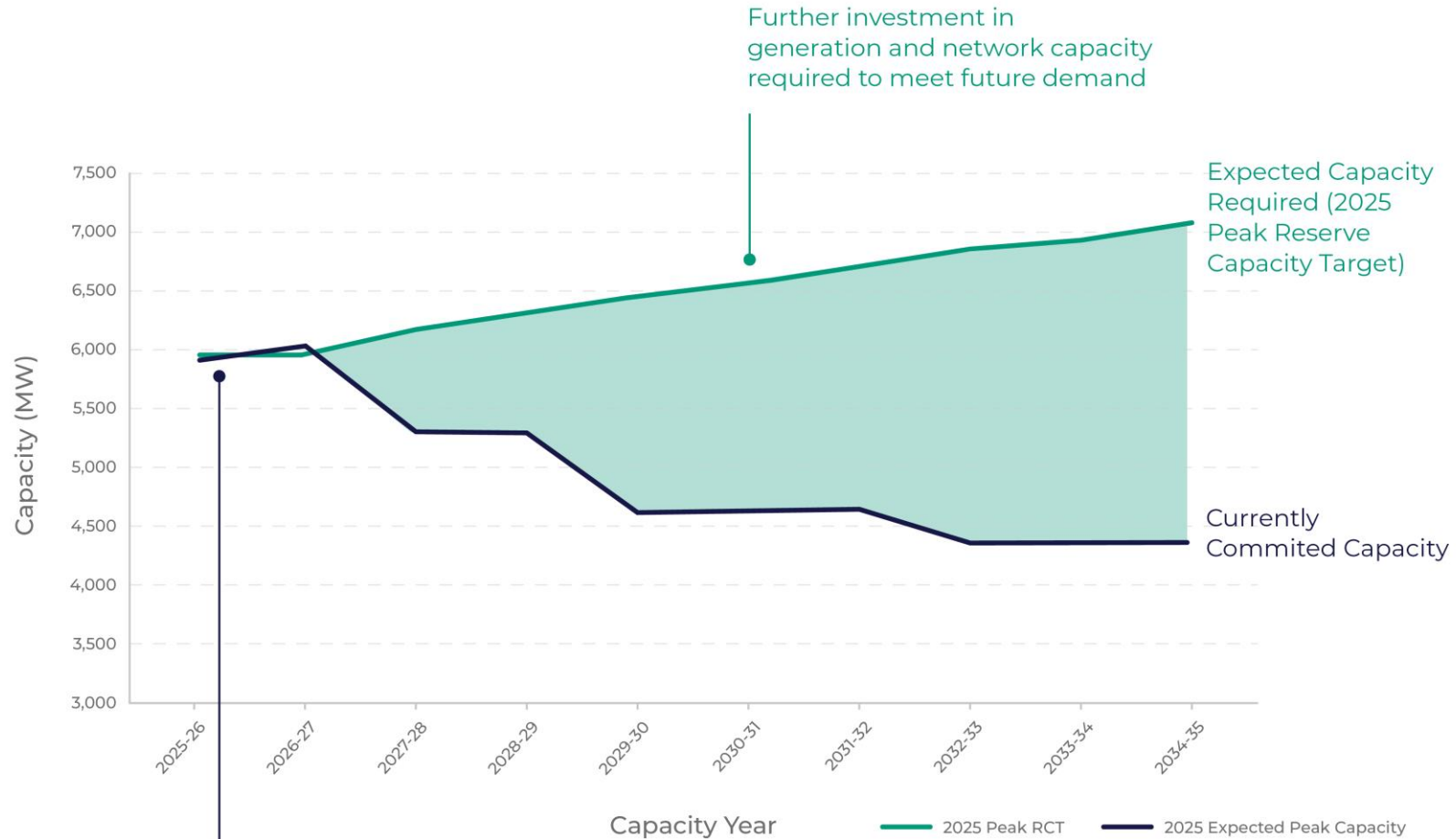


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Top 5 Peak SWIS Demand Days



New Investment Opportunities in Generation Capacity as Coal Retires



Steps taken through existing market mechanisms have ensured adequate power supply in the near term

Further investment in generation and network capacity required to meet future demand

Expected Capacity Required (2025 Peak Reserve Capacity Target)

Currently Committed Capacity

— 2025 Peak RCT — 2025 Expected Peak Capacity

Transmission investment to support the transition

- Connect a low cost mix of diverse renewables backed by storage and gas
- Support industry growth, decarbonisation and economic diversification

Developing the plan

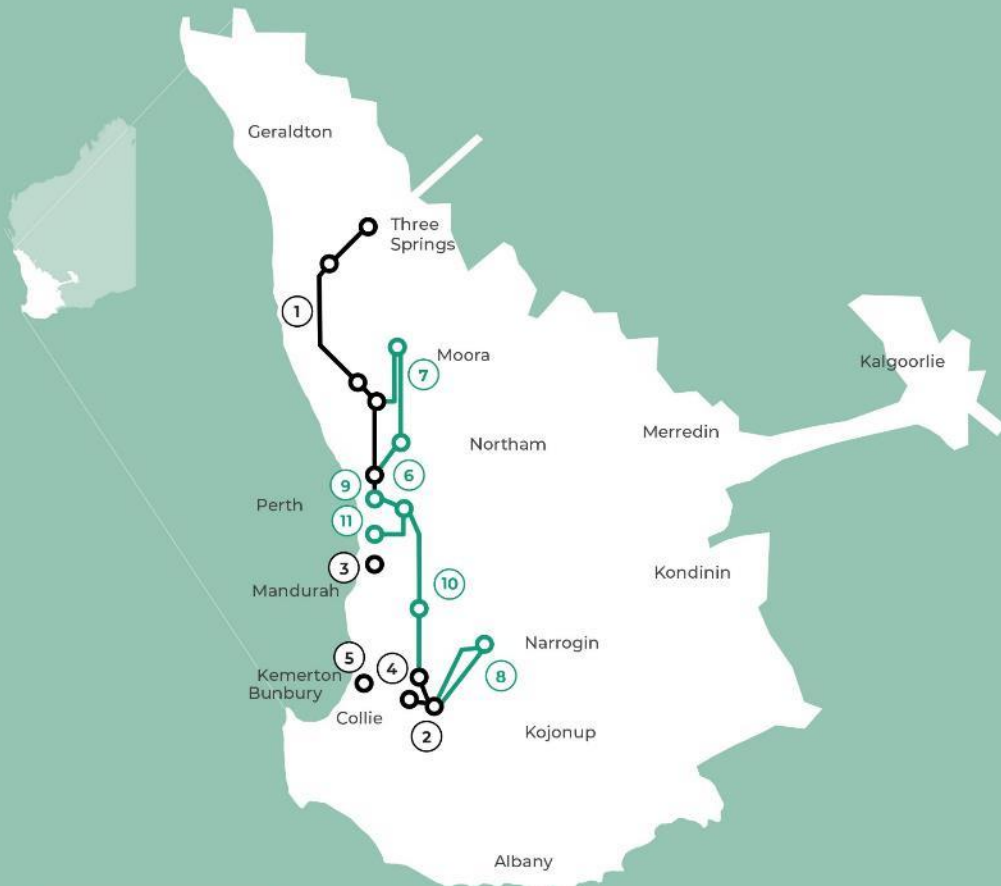


SWIS Transmission Plan

- Clear pathway for transmission infrastructure investment in the SWIS
- Three distinct phases with 11 Clean Energy Link (CEL) projects
- Leveraging broader benefits
- Foundations for a renewable energy powerhouse

Clean Energy Link Program

Phases 1 and 2



- Phase 1
- Phase 2

Note: locations (eg. Moora, Chittering and Collie) reflect general project geography.

Phase One

1 CEL - North (2027)

Transmission capacity: 1,000 MW

2 CEL - East Stage 1 (2029)

Transmission capacity: 1,600 MW

3 CEL - Kwinana Strengthening (Stage 1: 2029 and Stage 2: 2032)

Connect up to: ~900 MW

4 Augmentation - Coolangatta Industrial Estate (Collie Just Transition) (2028-2030)

Connect up to: ~500 MW

5 Augmentation - Kemerton Strategic Industrial Area (2030-2032)

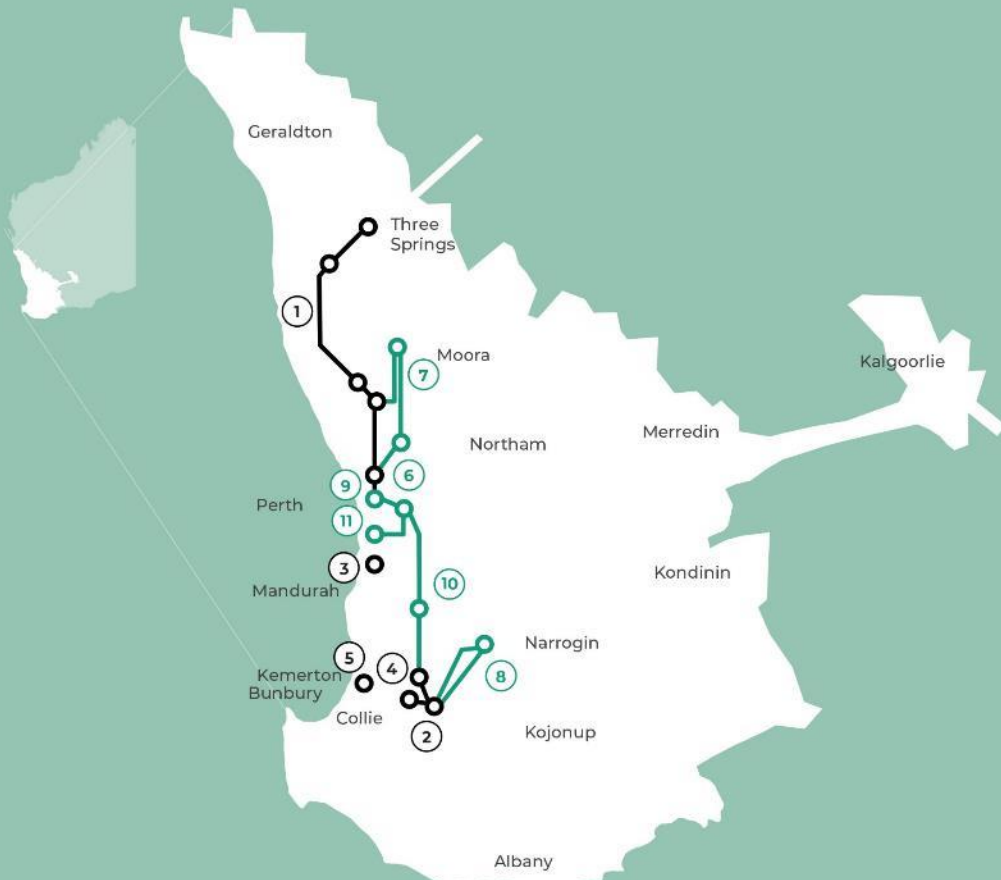
Connect up to: ~100 MW

Upgrade existing transmission infrastructure to connect industrial loads in Kemerton.

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Clean Energy Link Program

Phases 1 and 2



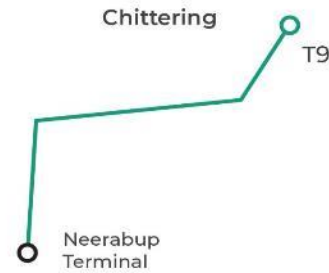
- Phase 1
- Phase 2

Note: locations (eg. Moora, Chittering and Collie) reflect general project geography.

Phase Two

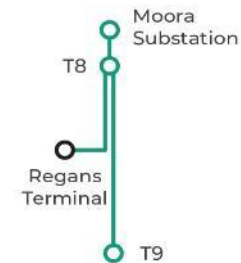
6 CEL - Chittering (2032-2035)

Transmission capacity: 1,600 MW



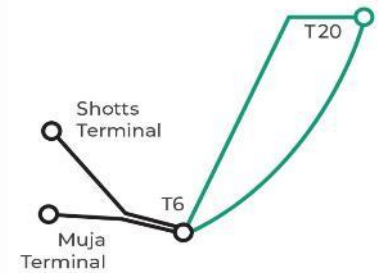
7 CEL - Moora (2032-2035)

Transmission capacity: 1,600 MW



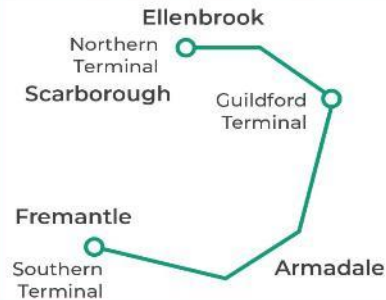
8 CEL - East Stage 2 and 3

Transmission capacity: 3,000 MW



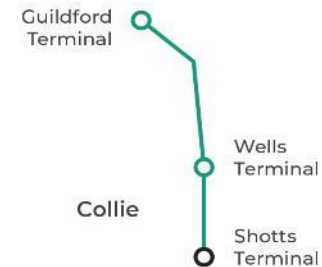
9 CEL - Perth Circuit

Transmission capacity: 400 MW



10 CEL - Collie

Transmission capacity: 1,800 MW



11 CEL - Metro

Transmission capacity: 400 MW



Upgrade existing transmission infrastructure across the metropolitan region.

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An aerial photograph of a large, blue metal lattice power line tower in the foreground. The tower is positioned in a vast, open field. In the background, a line of wind turbines stretches across the horizon under a sunset sky with soft, golden light. The overall scene conveys a sense of renewable energy infrastructure.

Phase Three 2035 and Beyond: Powering Global Decarbonization

- Realising WA as energy powerhouse
- Government engage with industry

Building opportunity



- Public ownership, public benefit
- Leveraging supply chains and local content
- Community at the centre



Enhancing Local Business Participation

- Leveraging government ownership to maximise local manufacturing opportunity
- Expectations of higher local content
- Support for transmission manufacturing
- Request for Information (RFI)



Looking forward

- Planning and delivery of Phase One projects will continue at pace
- The 2027 WOSP will inform timing of Phase Two projects and inform Phase Three projects
- Western Power will continue detailed planning for Phase Two
- PoweringWA and Western Power will continue to engage with communities and Traditional Owners

Q&A