

Appendix A1. Additional resources

July 2025

Appendix to the 2025 Enhanced Locational
Information Report





We acknowledge the Traditional Custodians of the land, seas and waters across Australia. We honour the wisdom of Aboriginal and Torres Strait Islander Elders past and present and embrace future generations.

We acknowledge that, wherever we work, we do so on Aboriginal and Torres Strait Islander lands. We pay respect to the world's oldest continuing culture and First Nations peoples' deep and continuing connection to Country; and hope that our work can benefit both people and Country.

'Journey of unity: AEMO's Reconciliation Path' by Lani Balzan

AEMO Group is proud to have launched its first [Reconciliation Action Plan](#) in May 2024. 'Journey of unity: AEMO's Reconciliation Path' was created by Wiradjuri artist Lani Balzan to visually narrate our ongoing journey towards reconciliation - a collaborative endeavour that honours First Nations cultures, fosters mutual understanding, and paves the way for a brighter, more inclusive future.

Important notice

Purpose

This report has been published to implement the Energy Security Board (ESB) 'enhanced information' transmission access reforms. The report is intended to support more informed investment and decision-making processes in the National Electricity Market, by collating public metrics and indicators that represent important locational characteristics of the power system. This report includes only publicly available information from existing AEMO, industry, and stakeholder publications.

AEMO publishes this *Enhanced Locational Information (ELI) Report* pursuant to its functions in section 49(2)(c) of the National Electricity Law. This publication is generally based on information available to AEMO as at 1 April 2025, unless otherwise indicated.

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Version control

Version	Release date	Changes
1.0	09/07/2025	Initial release.



Contents

A1.1	Tables listing additional resources	4
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Tables

Table 1	Sources of data and information used in the ELI Report	4
Table 2	Links to connections process resources	6
Table 3	Links to additional resources	7
Table 4	TAPRs and other planning documents	7

A1.1 Tables listing additional resources

Table 1 Sources of data and information used in the ELI Report

Type		Name	Provided by	Link
Energy policies and commitments	Summary of policies by jurisdictions in the 2024 ISP	2024 ISP Inputs and Assumptions workbook, June 2024	AEMO	https://aemo.com.au/-/media/files/major-publications/isp/2024/2024-isp-inputs-and-assumptions-workbook.xlsx?la=en
	Existing and future generation projects	NEM generation maps Version: 20/12/2024	AEMO	https://aemo.com.au/en/energy-systems/electricity/national-electricity-market-nem/participate-in-the-market/network-connections/nem-generation-maps
Generation and storage outlook		April 2025 Generation Information	AEMO	https://aemo.com.au/en/energy-systems/electricity/national-electricity-market-nem/nem-forecasting-and-planning/forecasting-and-planning-data/generation-information
	Generation closure and withdrawal timeline	2024 Integrated System Plan, June 2024, Section 4. Transition to renewable generation	AEMO	https://aemo.com.au/-/media/files/major-publications/isp/2024/2024-integrated-system-plan-isp.pdf?la=en
	Long-term modelled outlook of generation and storage capacity	2024 ISP generation and storage outlook workbooks	AEMO	https://aemo.com.au/-/media/files/major-publications/isp/2024/supporting-materials/2024-isp-generation-and-storage-outlook.zip?la=en
Network capability	Network congestion	NEM Constraint Report 2024 summary data, 2025	AEMO	https://aemo.com.au/en/energy-systems/electricity/national-electricity-market-nem/system-operations/congestion-information-resource/statistical-reporting-streams
	Historical curtailment	Nemweb data	AEMO	https://aemo.com.au/en/energy-systems/electricity/national-electricity-market-nem/data-nem/market-data-nemweb
	Forecast curtailment	ISP underlying data	AEMO	Source data not published.
	Network augmentations	Transmission Augmentation Information Page, December 2024	AEMO	https://aemo.com.au/en/energy-systems/electricity/national-electricity-market-nem/nem-forecasting-and-planning/forecasting-and-planning-data/transmission-augmentation-information
		2024 ISP, June 2024, Appendix 5. Network Investments	AEMO	https://aemo.com.au/-/media/files/major-publications/isp/2024/appendices/a5-network-investments.pdf?la=en
	Marginal loss factors (MLFs)	Marginal Loss Factors: Financial Year 2025-26, April 2025	AEMO	https://aemo.com.au/energy-systems/electricity/national-electricity-market-nem/market-operations/loss-factors-and-regional-boundaries
		2024 ISP, June 2024, Appendix 3. Renewable Energy Zones	AEMO	https://aemo.com.au/-/media/files/major-publications/isp/2024/appendices/a3-renewable-energy-zones.pdf?la=en
	Historical hosting capacity	Nemweb data	AEMO	https://aemo.com.au/en/energy-systems/electricity/national-electricity-

Type		Name	Provided by	Link
				market-nem/data-nem/market-data-nemweb
	Future hosting capacity	AEMO market modelling	AEMO	Source data not published.
System security	System strength	2024 System Strength Report, February 2025	AEMO	https://aemo.com.au/-/media/files/electricity/nem/security_and_reliability/system_security_planning/2024-system-strength-report.pdf?la=en
	Inertia	2024 Inertia Report, December 2024	AEMO	https://aemo.com.au/-/media/files/electricity/nem/security_and_reliability/system_security_planning/2024-inertia-report.pdf?la=en
	NSCAS	2024 NSCAS Report, December 2024	AEMO	https://aemo.com.au/-/media/files/electricity/nem/security_and_reliability/system_security_planning/2024-nscas-report.pdf?la=en
	Projected fault current	2024 ISP, June 2024, Appendix 7. System Security	AEMO	https://aemo.com.au/-/media/files/major-publications/isp/2024/appendices/a7-system-security.pdf?la=en
	System strength unit prices	System Strength Unit Price Schedule 2025-26, 2025	TransGrid	https://www.transgrid.com.au/about-us/regulatory-framework/network-pricing
		System Strength Unit Prices for Queensland FY2025-26, March 2025	Powerlink	https://www.powerlink.com.au/sites/default/files/2025-03/2025-26%20System%20Strength%20Unit%20Price%20Schedule_0.pdf
		South Australian System Strength Unit Prices - 2025/26 , March 2025	ElectraNet	https://electranet.com.au/wp-content/uploads/2025/03/System-Strength-Price-Schedule-2025-26.pdf
		Tasmanian System Strength Unit Prices, March 2025	TasNetworks	https://www.tasnetworks.com.au/config/getattachment/8760ba19-ede3-4fda-85cd-041d3b3ac5ac/2025-26-system-strength-unit-prices.pdf
		Shared Transmission Network Services Prices in Victoria – 1 July 2025 to 30 June 2026, March 2025	AEMO Victorian Planning	https://aemo.com.au/-/media/files/electricity/nem/participant_information/fees/2025/electricity-transmission-use-of-system-prices-1-july-2025---30-june-2026.pdf?la=en
	System strength PADR preferred options	Meeting system strength requirements in NSW, June 2024	TransGrid	https://www.transgrid.com.au/projects-innovation/meeting-system-strength-requirements-in-nsw
		Addressing System Strength Requirements in Queensland from December 2025, November 2024	Powerlink	https://www.powerlink.com.au/addressing-system-strength-requirements-queensland-december-2025
		System Strength Requirements in South Australia, March 2025	ElectraNet	https://electranet.com.au/projects/system-strength-requirements-in-south-australia/
		Meeting the System Strength Standard in Tasmania from December 2025 onward, November 2024	TasNetworks	https://www.tasnetworks.com.au/Poles-and-wires/Planning-and-developments/Our-current-projects/Meeting-System-Strength-Requirements
		Victorian System Strength requirement regulatory	AEMO Victorian Planning	https://aemo.com.au/initiatives/major-programs/victorian-system-strength-

Type		Name	Provided by	Link
		investment test for transmission, April 2025		requirement-regulatory-investment-test-for-transmission
Reliability and energy adequacy	Forecast demand and reliability	2024 Electricity Statement of Opportunities, August 2024	AEMO	https://aemo.com.au/-/media/files/electricity/nem/planning_and_forecasting/nem_esoo/2024/2024-electricity-statement-of-opportunities.pdf?la=en&hash=2B6B6AB803D0C5F626A90CF0D60F6374
	Locational reliability factors	Update to the 2023 Electricity Statement of Opportunities, May 2024	AEMO	https://aemo.com.au/-/media/files/electricity/nem/planning_and_forecasting/nem_esoo/2023/may-2024-update-to-the-2023-electricity-statement-of-opportunities.pdf?la=en
	Operational demand	AEMO Forecasting Data Portal Publication: ESOO 2024	AEMO	https://forecasting.aemo.com.au/
Wholesale price indicators	5-minute NEM regional reference prices	Aggregated price and demand data	AEMO	https://aemo.com.au/energy-systems/electricity/national-electricity-market-nem/data-nem/aggregated-data
	Quarterly Energy Dynamics	Quarterly Energy Dynamics Q4 2024, January 2025	AEMO	https://aemo.com.au/energy-systems/major-publications/quarterly-energy-dynamics-qed
Weather and climate	Weather, climate, and resource quality	2023 IASR, July 2023	AEMO	https://aemo.com.au/-/media/files/major-publications/isp/2023/2023-inputs-assumptions-and-scenarios-report.pdf?la=en

Table 2 shows useful resources for proponents seeking to connect a facility to the NEM. Reference source not found..

Table 2 Links to connections process resources

Name	Type	Provided by	Link
Connection Process Overview	Overview of the generator connection process in the NEM	AEMO	https://www.aemo.com.au/energy-systems/electricity/national-electricity-market-nem/participate-in-the-market/network-connections/transmission-and-distribution-in-the-nem
New South Wales Connection Process	Information on the connection process in the NEM provided by the relevant TNSPs.	TransGrid	https://www.transgrid.com.au/about-us/network/network-connections
Queensland Connection Process		Powerlink	https://www.powerlink.com.au/network-connections
South Australia Connection Process		ElectraNet	https://electranet.com.au/services/transmission/
Tasmania Connection Process		TasNetworks	https://www.tasnetworks.com.au/transmission-connections
Victoria Connection Process		AEMO	https://www.aemo.com.au/energy-systems/electricity/national-electricity-market-nem/participate-in-the-market/network-connections/victorian-transmission-connections
Connections Reform Initiative	Information on the initiative to address concerns with delays and increasing complexity in connections to the NEM.	AEMO	https://aemo.com.au/initiatives/major-programs/connections-reform-initiative
Connections Scorecard	Generation connections statistics	AEMO	https://aemo.com.au/en/energy-systems/electricity/national-electricity-market-nem/participate-in-the-market/network-connections/connections-scorecard

Table 3 and Table 4 show useful additional resources provided by various parts of the industry.

Table 3 Links to additional resources

Name	Type	Provided by	Link
ALTLIMITS	Network element ratings	AEMO	https://aemo.com.au/initiatives/major-programs/connections-reform-initiative
Congestion Information Resource – Statistical Reporting Streams	Statistical constraint information	AEMO	https://aemo.com.au/energy-systems/electricity/national-electricity-market-nem/system-operations/congestion-information-resource/statistical-reporting-streams
Network Opportunity Maps	Interactive map with future connections and network information	ENA	https://www.energynetworks.com.au/projects/network-opportunity-maps/accessing-the-network-opportunity-maps/
Network Maps Renewables	Interactive map	Rosetta Analytics	https://renewables.networkmap.energy/
New South Wales Infrastructure Investment Objectives (IIO) Report	10-year plan for generation in New South Wales	AEMO Services	https://aemoservices.com.au/our-role/infrastructure-investment-objectives-report
Queensland Energy and Jobs Plan	Plan for generation and network in Queensland	QLD Government	https://www.epw.qld.gov.au/_data/assets/pdf_file/0030/32988/queensland-supergrid-infrastructure-blueprint.pdf

The Transmission Annual Planning Reports (TAPRs) often contain useful information, some of which has been drawn on for this report. Table 4 below provides a list of the TAPRs and other planning documents.

Table 4 TAPRs and other planning documents

Name	Type	Provided by	Link
2024 Transgrid TAPR	Annual Planning Report, with historical network performance, future network augmentation and assessments of hosting capacity	Transgrid	https://www.transgrid.com.au/tapr
2024 Powerlink TAPR		Powerlink	https://www.powerlink.com.au/planning-report/transmission-annual-planning-report-2024
2024 Victorian TAPR		AEMO Victorian Planning	https://aemo.com.au/en/energy-systems/electricity/national-electricity-market-nem/nem-forecasting-and-planning/victorian-planning/victorian-annual-planning-report
2024 ElectraNet TAPR		ElectraNet	https://electranet.com.au/resources/transmission-annual-planning-report/
2024 TasNetworks TAPR		TasNetworks	https://www.tasnetworks.com.au/Poles-and-wires/Planning-and-developments/Planning-our-network
New South Wales Infrastructure Investment Objectives (IIO) Report	10-year plan for generation and network in New South Wales	AEMO Services	https://aemoservices.com.au/our-role/infrastructure-investment-objectives-report
Network Investment Strategy	20-year plan for network infrastructure	EnergyCo	https://www.energyco.nsw.gov.au/industry/network-infrastructure-strategy-nsw
Queensland Energy and Jobs Plan	Plan for generation and network in Queensland	QLD Government	https://www.epw.qld.gov.au/_data/assets/pdf_file/0030/32988/queensland-supergrid-infrastructure-blueprint.pdf