

PSM Strategy consultation webinar

Consultation webinar

30 September 2026



This webinar will be recorded



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 is proud to have launched its Innovate Reconciliation Action Plan (RAP) in June 2026. Pictured left and featuring on the cover of the Innovate RAP is Wiradjuri artist Lani Balzan's 'Journey of unity: AEMO's Reconciliation Path', a visual representation of 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.

Read our
RAP



AEMO Competition Law - Meeting Protocol

AEMO is committed to complying with all applicable laws, including the Competition and Consumer Act 2010 (CCA). In any dealings with AEMO regarding proposed reforms or other initiatives, all participants agree to adhere to the CCA at all times and to comply with this Protocol. Participants must arrange for their representatives to be briefed on competition law risks and obligations.

Participants in AEMO discussions must:

- Ensure that discussions are limited to the matters contemplated by the agenda for the discussion
- Make independent and unilateral decisions about their commercial positions and approach in relation to the matters under discussion with AEMO
- Immediately and clearly raise an objection with AEMO or the Chair of the meeting if a matter is discussed that the participant is concerned may give rise to competition law risks or a breach of this Protocol

Participants in AEMO meetings must not discuss or agree on the following topics:

- Which customers they will supply or market to
- The price or other terms at which Participants will supply
- Bids or tenders, including the nature of a bid that a Participant intends to make or whether the Participant will participate in the bid
- Which suppliers Participants will acquire from (or the price or other terms on which they acquire goods or services)
- Refusing to supply a person or company access to any products, services or inputs they require

Under no circumstances must Participants share Competitively Sensitive Information. Competitively Sensitive Information means confidential information relating to a Participant which if disclosed to a competitor could affect its current or future commercial strategies, such as pricing information, customer terms and conditions, supply terms and conditions, sales, marketing or procurement strategies, product development, margins, costs, capacity or production planning.

AEMO's Competition Law Meeting Protocol is [published online](#). For further information, see the [Competition and Consumer Act](#).

Today's agenda

Time (AEDT)	Item	Speaker
2:00 pm	Agenda & welcome	Samantha Lloyd , Manager - Stakeholder Engagement
2:05 pm	Introduction and overview	Luke Robinson , Group Manager – System Modelling
2:15 pm	Q&A	<i>Facilitated by Luke Robinson, Group Manager – System Modelling</i>
3:00 pm	Close	

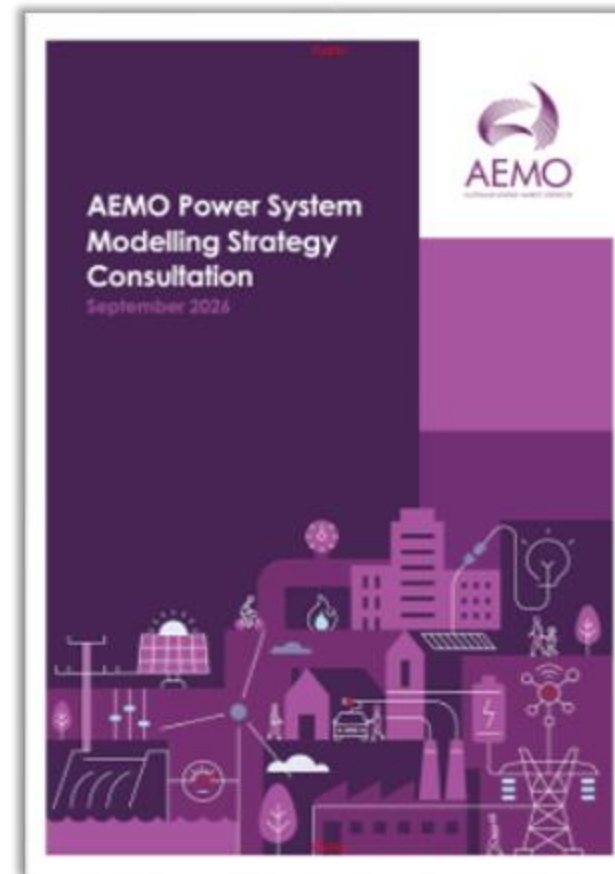
Today's objectives



Provide an overview of the Power System Modelling Strategy and consultation paper



Seek participant feedback on power system modelling to inform the Strategy.



[Report and supporting material](#)

Overview

Why

AEMO is consulting on the development of a Power System Modelling Strategy and supporting five-year roadmap to guide how its modelling capabilities evolve across the National Electricity Market (NEM) and Wholesale Electricity Market (WEM).

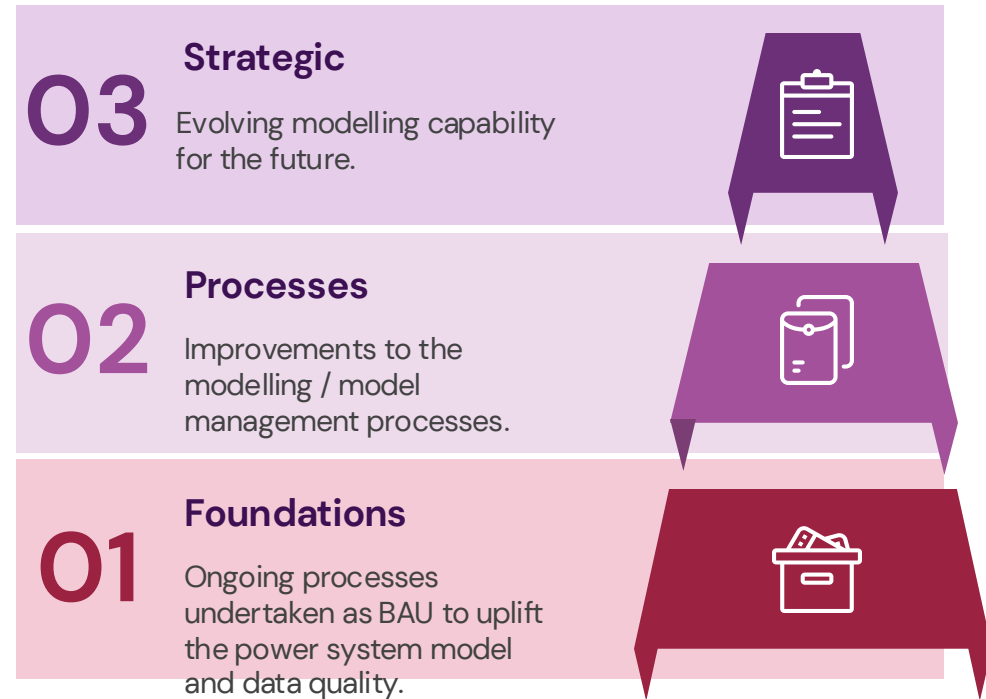
Power system modelling is critical to secure and reliable system operation, planning, connections and investment decisions, particularly as the power system becomes more complex with higher levels of inverter-based resources, distributed energy resources, large new loads and emerging technologies.

In scope

- Modelling challenges and emerging issues
- Strategic priorities
- Future roadmap actions

Out of scope

- Immediate PSMG amendments
- Discussing advantages and disadvantages of modelling tools



What we are seeking feedback on

Current capability and priorities

- Q1.** Current strengths and improvement areas
- Q2.** Completeness of the proposed focus areas

Tools, models and computation

- Q3.** Future modelling and tool requirements
- Q5.** Computational constraints and alternatives
- Q10.** Software ecosystem risks

Models and model management

- Q4.** Accuracy, completeness and usability of shared models
- Q6.** Vendor-agnostic models
- Q11.** Model management and quality

Future capability and collaboration

- Q7.** Process improvement and automation
- Q8.** Regulation and stakeholder engagement
- Q9.** Training and capability development
- Q12.** Role of AI and machine learning

Next steps

Fill in the [post event survey](#).



More information is available on [the consultation page](#).

Submit your consultation feedback to modelling@aemo.com.au by 14 October 2026.



For more information visit

aemo.com.au

Key power system modelling risks

- Reliance on third party software packages, models and servers
- Challenges in managing model quality and access to a centralised model data base
- Increasing complexity of models resulting in significant, and disproportionate run time increases or potential for modelling errors for simulation of some phenomenon
- There is a risk that the way modelling requirements are applied, and whether current arrangements remain fit for purpose, may affect the quality, consistency and usability of modelling outcomes.
- Challenges in maintaining adequate and accurate models.

The Electric Power Research Institute (EPRI) is undertaking an independent assessment of AEMO's power system modelling capabilities

Potential focus areas

The proposed areas are interconnected, with improvement in one area enabling progress in others.



1

Modelling Tools

Fit-for-purpose modelling tools and methods are selected consistently for each study question.

APPROPRIATE ANALYSIS

2

Model Configuration Management

Models are governed throughout their lifecycle and can be traced and reused confidently.

TRUSTED SOURCE

3

Computational Capability and Hardware

Study workloads have suitable compute without avoidable scale or runtime constraints.

SCALABLE COMPUTE

4

Models and Data

Models and data cover the evolving power system and are supported by monitoring and validation.

RELIABLE EVIDENCE

5

Process Improvement, Automation and Efficiency

Repeatable workflows reduce manual effort and support higher-value engineering analysis.

EFFICIENT DELIVERY

6

Regulatory, Stakeholder and Vendor Engagement

Coordinated engagement supports effective rules, standards and modelling practices.

SHARED DIRECTION

7

Training and Development

Internal and industry capability keeps pace with emerging methods, tools and system needs.

FUTURE-READY SKILLS

Consultation question: Do these seven focus areas capture the capabilities that should be addressed through the strategy and five-year roadmap?