



CLIMATE
CHANGE
AUTHORITY

Decarbonising Electricity – AusGrid Summit

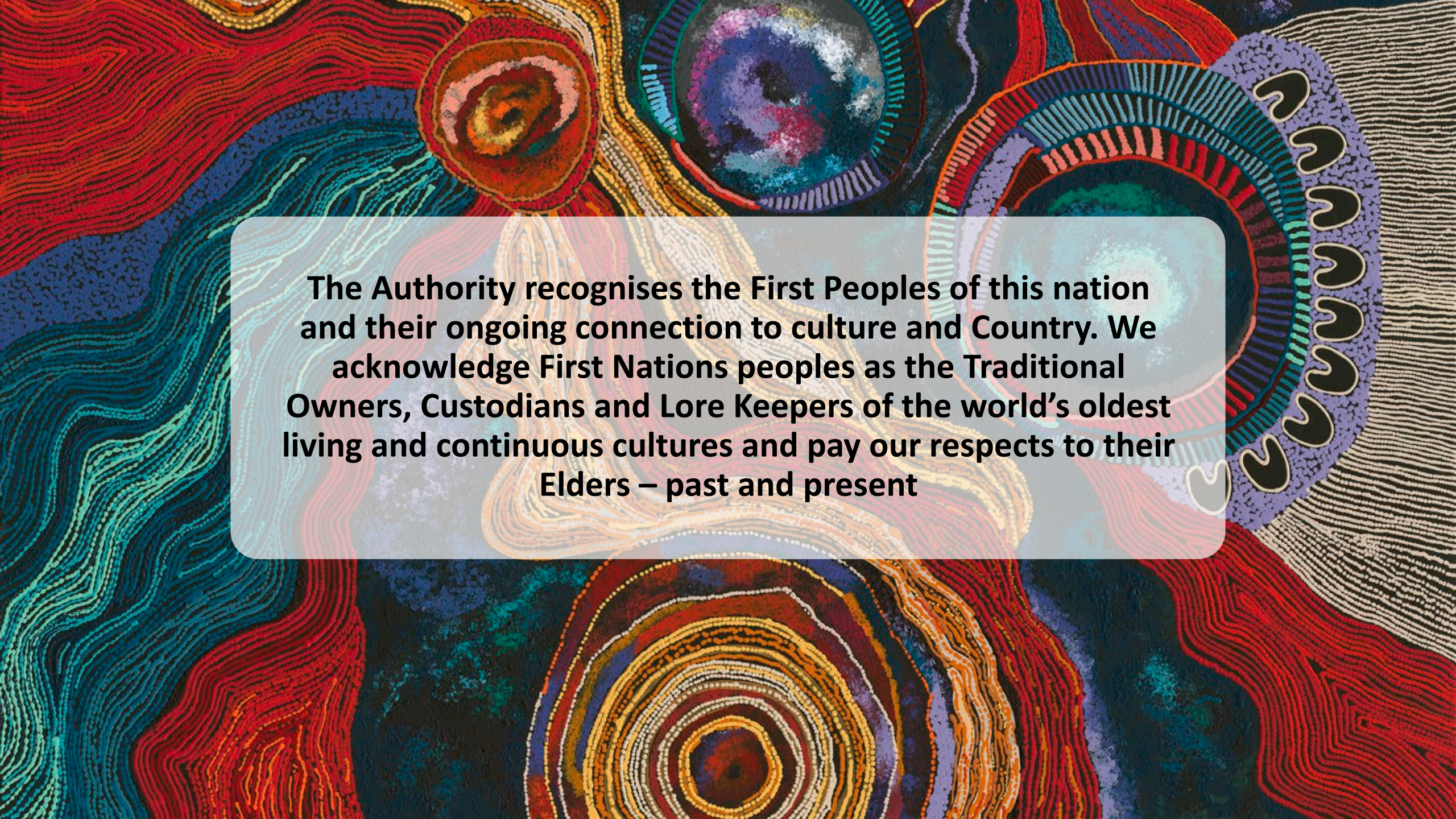
Chair of the Climate Change Authority

Matt Kean

30 October 2025



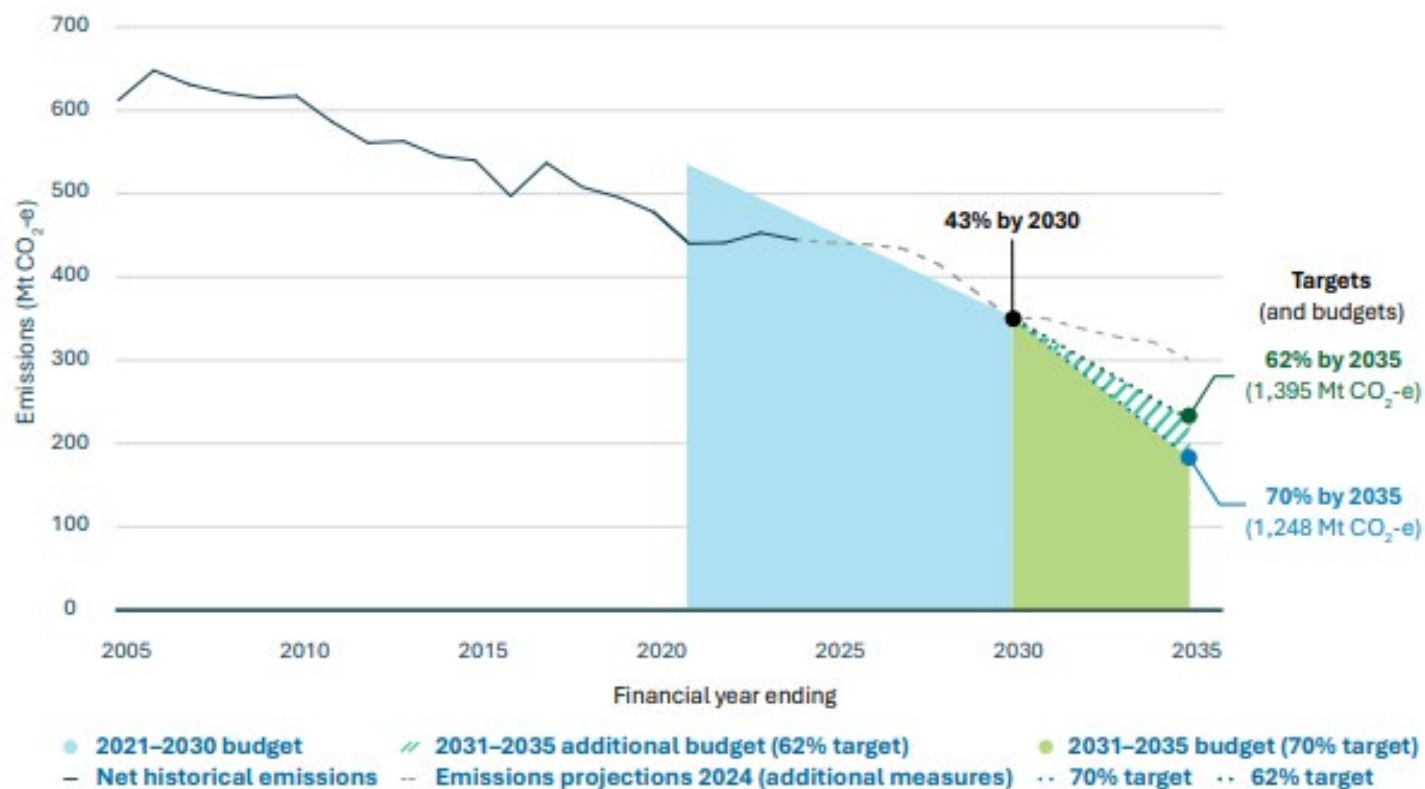
Australian Government
Climate Change Authority



The Authority recognises the First Peoples of this nation and their ongoing connection to culture and Country. We acknowledge First Nations peoples as the Traditional Owners, Custodians and Lore Keepers of the world's oldest living and continuous cultures and pay our respects to their Elders – past and present

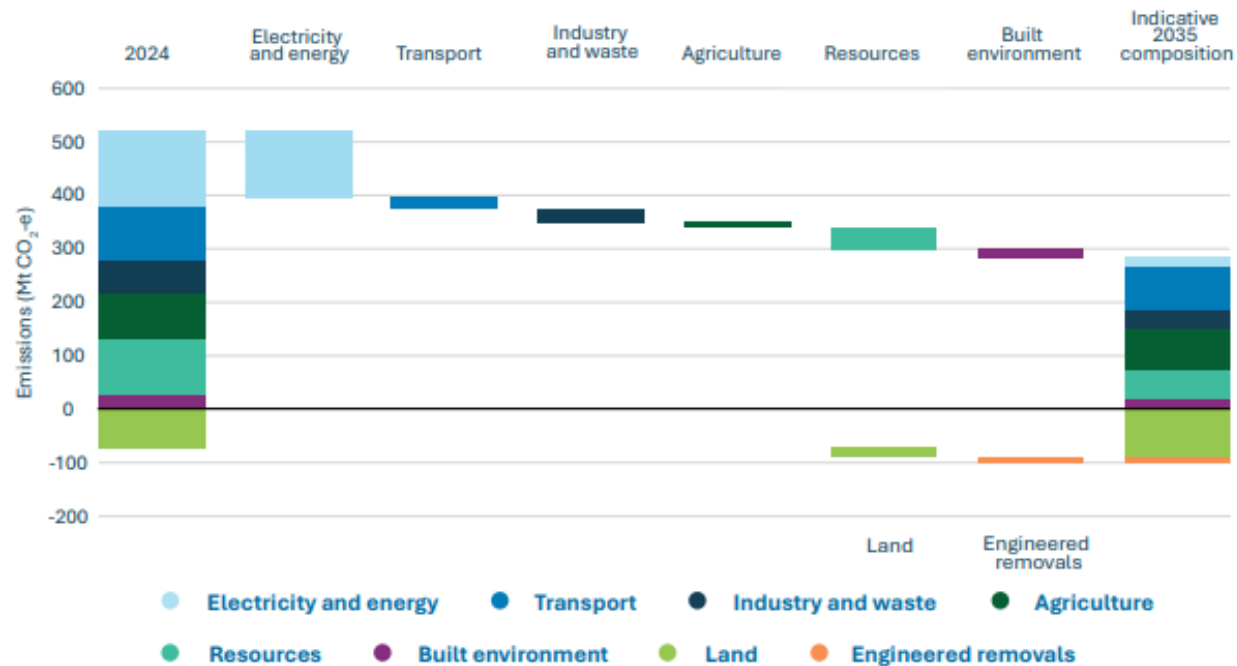
Australia's 2035 emissions reduction target

62–70% below 2005 levels by 2035

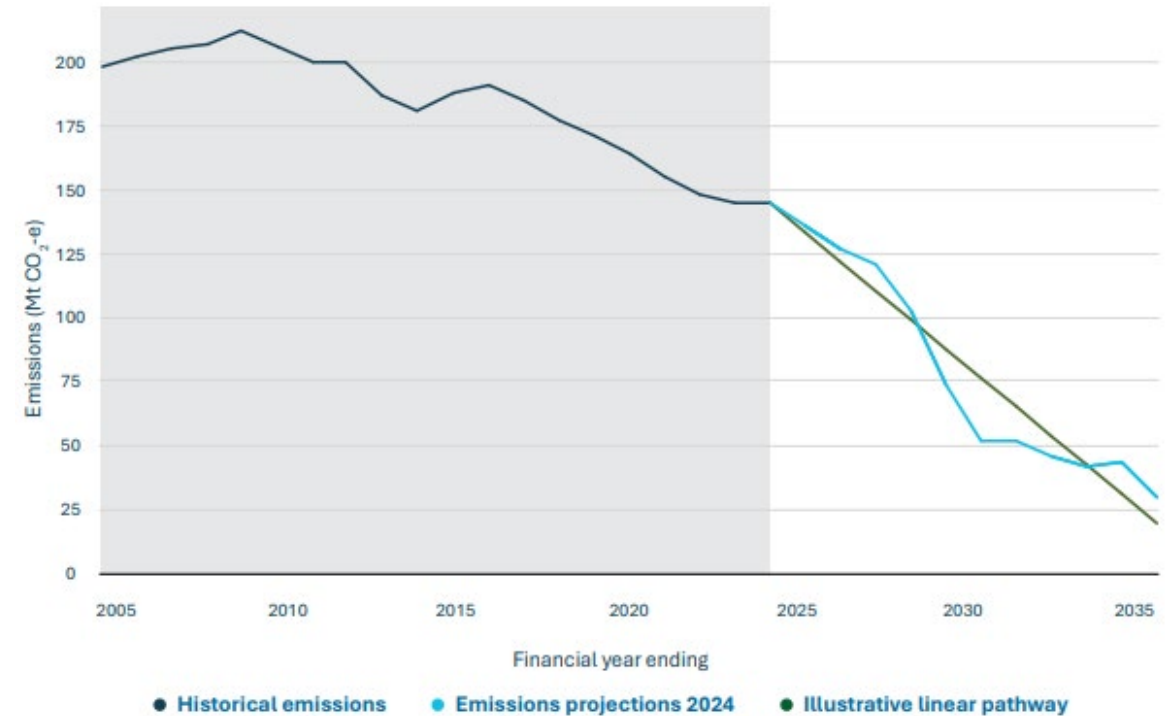


Electricity is expected to do the heavy lifting to 2035

Estimated sector contributions to the top of the 62–70% target range, 2024–2035



Electricity and energy emissions, 2005–2035



Unlocking Australia's clean energy potential

Supplement to the 2024 Annual Progress Report

Published in June 2025



Recommended actions

1

Expanding investment in new capacity to meet targets

2

Maintaining system security and reliability while increasing the share of renewables

3

Speeding up connection of renewable energy resources

4

Unlocking generation and storage at the local level

4

Unlocking generation and storage at the local level

Recommended actions

a

Incentivise owners of commercial and industrial buildings (C&I) and rural businesses **to install solar photovoltaics (PV) and battery systems**, through:

- expanding and extending the SRES
- offering a tax incentive
- providing targeted time-dependent feed-in tariffs

b

Require DNSPs to:

- **provide information about where to put generation, storage and EV chargers** in their networks
- **standardise application processes**
- **streamline C&I system connections** and upgrade requests

c

Request the Australian Energy Regulator (AER) **consider extending and establishing ring-fencing waivers** for network operators to deploy community-scale battery projects, and kerbside electric vehicle chargers.

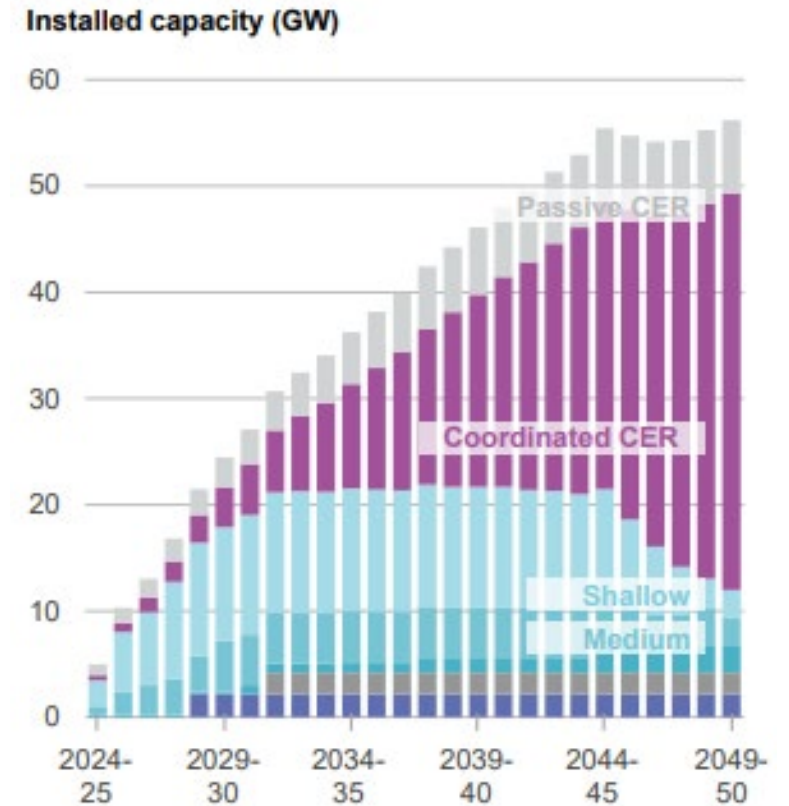
d

Work with AEMO and network operators to:

- better **coordinate and integrate their planning processes**
- reduce curtailment of the existing rooftop solar fleet
- accelerate deployment of small- and large-scale renewables

Distributed storage

- **100,000 batteries** have been installed through the new *Cheaper Home Batteries* program
- Better coordination of these batteries could reduce the costs of electricity for everyone
- As more distributed storage is installed, there is a growing need to improve the 'visibility' of these resources



Storage installed capacity, NEM, 2024-25 to 2049-50, Step Change, AEMO 2024 Integrated System Plan