



MEI Symposium 24

22 November 2024



THE UNIVERSITY OF
MELBOURNE

Melbourne
Energy
Institute

#MEIsymposium24

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Plenary

Matching ambition by design:
Aligning the energy system
with renewable superpower
expectations



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Institute**



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Matching ambition by design

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renewable superpower expectations

Overview

Climateworks Centre is an independent not-for-profit operating within Monash University.



MONASH
SUSTAINABLE
DEVELOPMENT
INSTITUTE



Scale

We are climate transition specialists, working with decision-makers in Australia, Southeast Asia and the Pacific who have the power to reduce emissions at scale.

Accelerate

We develop evidence-based solutions to accelerate emissions reduction in line with the global 1.5°C temperature goal and shared climate safety.

~100 staff
across
the region

Our team of subject matter experts operate in Australia and Indonesia, to provide country and system specific knowledge to those that can enable change.



15 years accelerating climate action

- + Informing policy since 2010 with first low carbon growth plan for Australia
- + Uplifting national capacity with first net zero sectoral pathways in 2014 Pathways to Deep Decarbonisation
- + Influencing Australian ambition on a world stage since the first Nationally Determined Contribution in 2015
- + Expanding to Southeast Asia in 2017 and Jakarta team since 2019

Five critical shifts for Australia to align with net zero and renewable export goals

1. AEMO's Integrated System Plan enables the NEM to meet green export and electrification ambition.
2. Place-based systems and forecasting project and meet requirements of net zero industry
3. A single governance body is responsible for effective planning and integration of energy performance

CRITICAL SHIFT 1

Set out an optimal development path in AEMO's Integrated System Plan that enables the NEM to meet the Australian Government's ambition to expand renewable energy and product exports and electrify industry and transport.

CRITICAL SHIFT 2

Utilise place-based system planning and forecasting, or 'regional ISP's', to project and meet the energy requirements of a net zero industry sector.

CRITICAL SHIFT 3

Allocate responsibility for the effective planning and integration of energy efficiency and management, consumer energy resources and electrification to a single governance body.

CRITICAL SHIFT 4

Require energy companies within the NEM to adopt net zero financial instruments, including credible transition plans and investments in line with the sustainable finance taxonomy, beyond mandatory requirements.

CRITICAL SHIFT 5

Update energy market rules and regulations to reflect the requirements of the future energy system, including planning for the orderly phase-out of gas.

Thank you for your interest, and action.

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Co-founded by philanthropy and Monash University, Climateworks Centre is an independent not-for-profit working within the Monash Sustainable Development Institute.