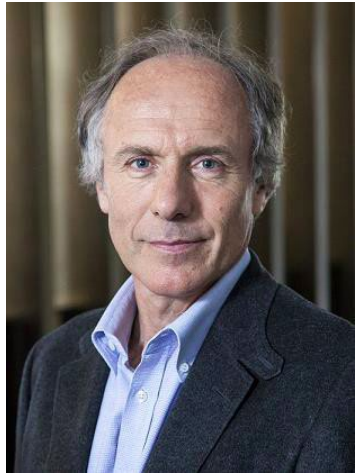




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Implementing the NEM Review:

Dr Alan Finkel, Chief Scientist

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The Finkel NEM Review



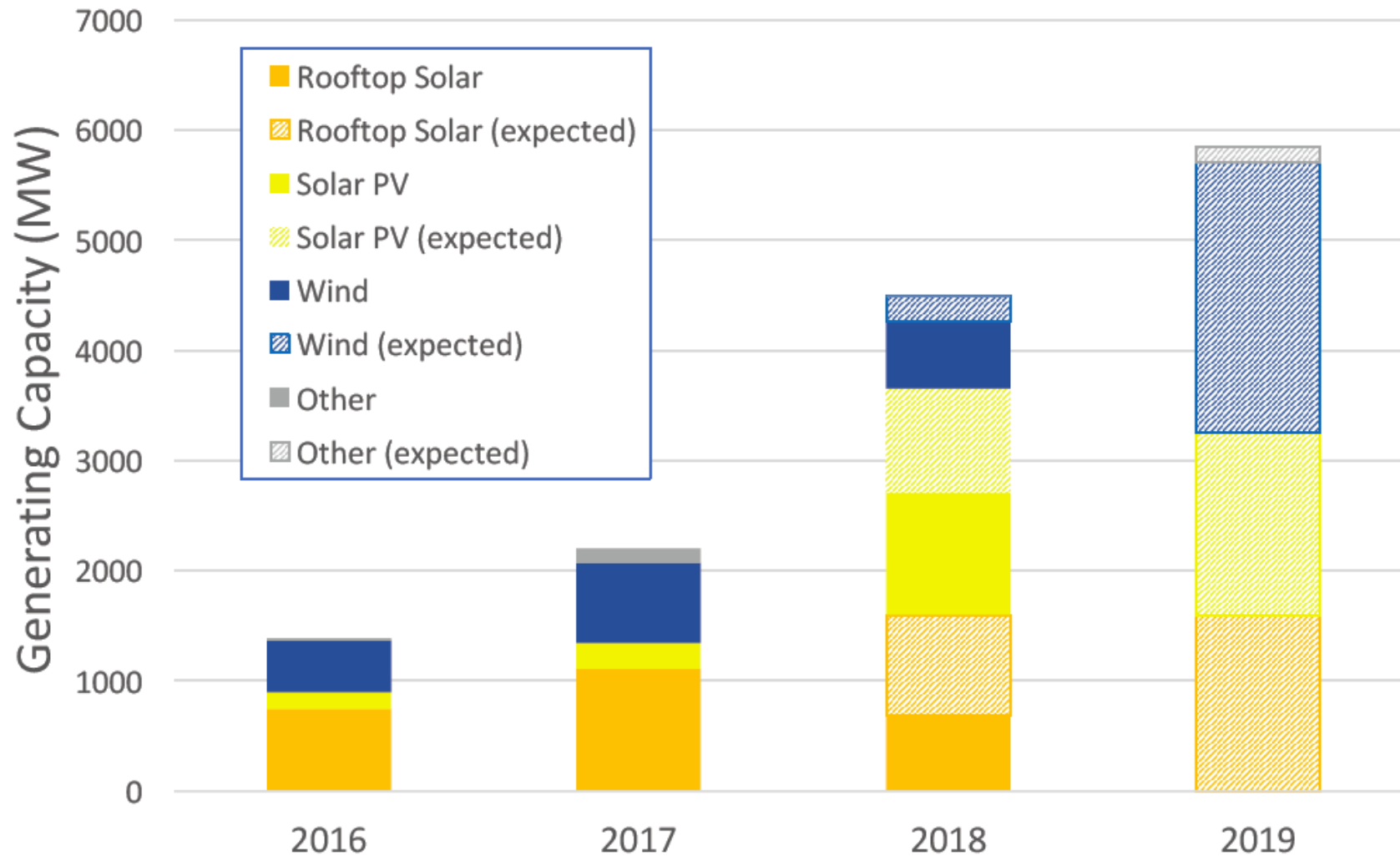
Argues that consistent, long term measures are needed to address climate change and to provide industry certainty:

- ~~Carbon pricing scheme~~
- ~~Emissions Intensity Scheme~~
- ~~Clean Energy Target~~
- ~~National Energy Guarantee~~

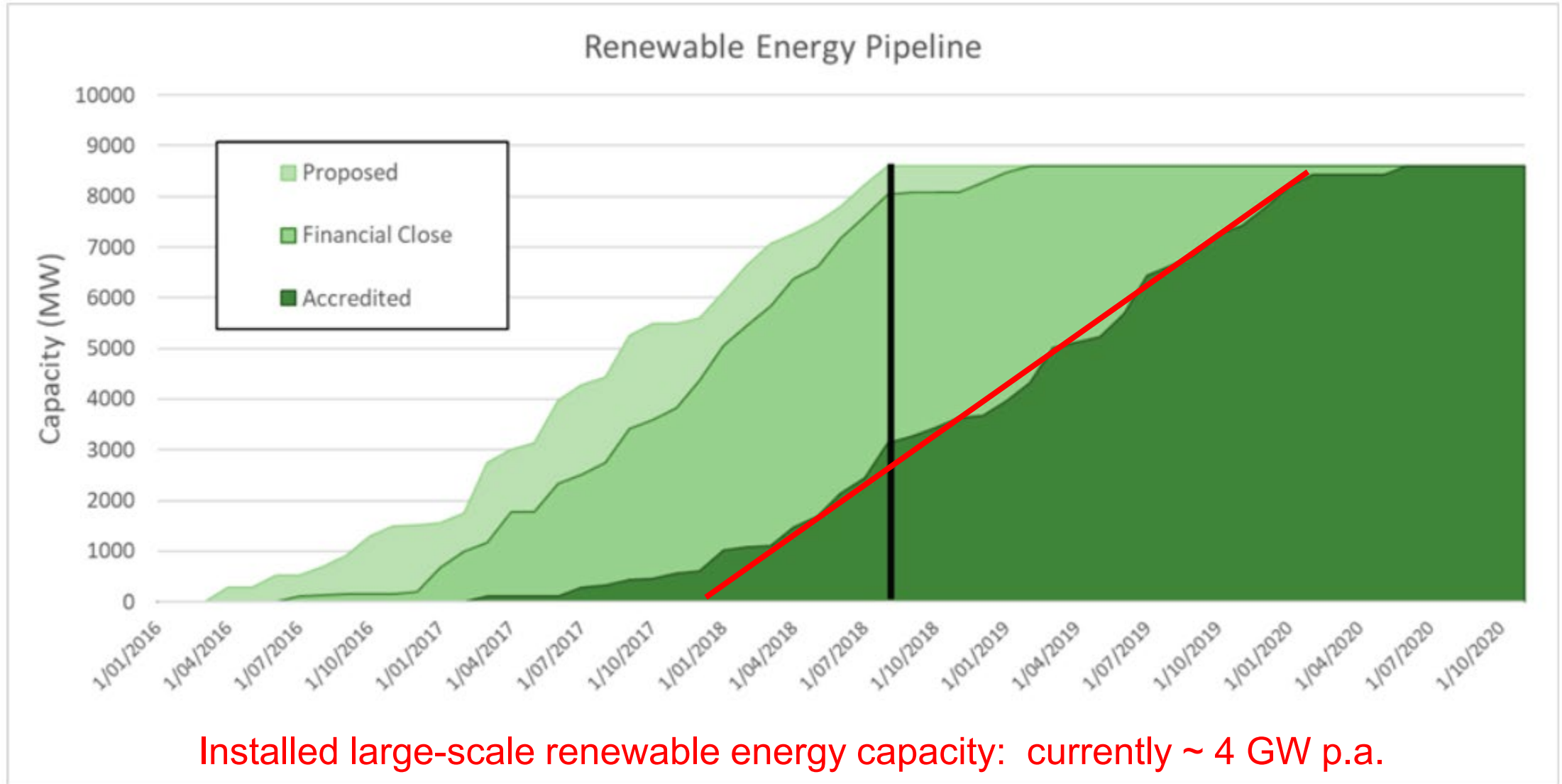
— = ruled out by Coalition Party Room

Renewable energy capacity installation rates

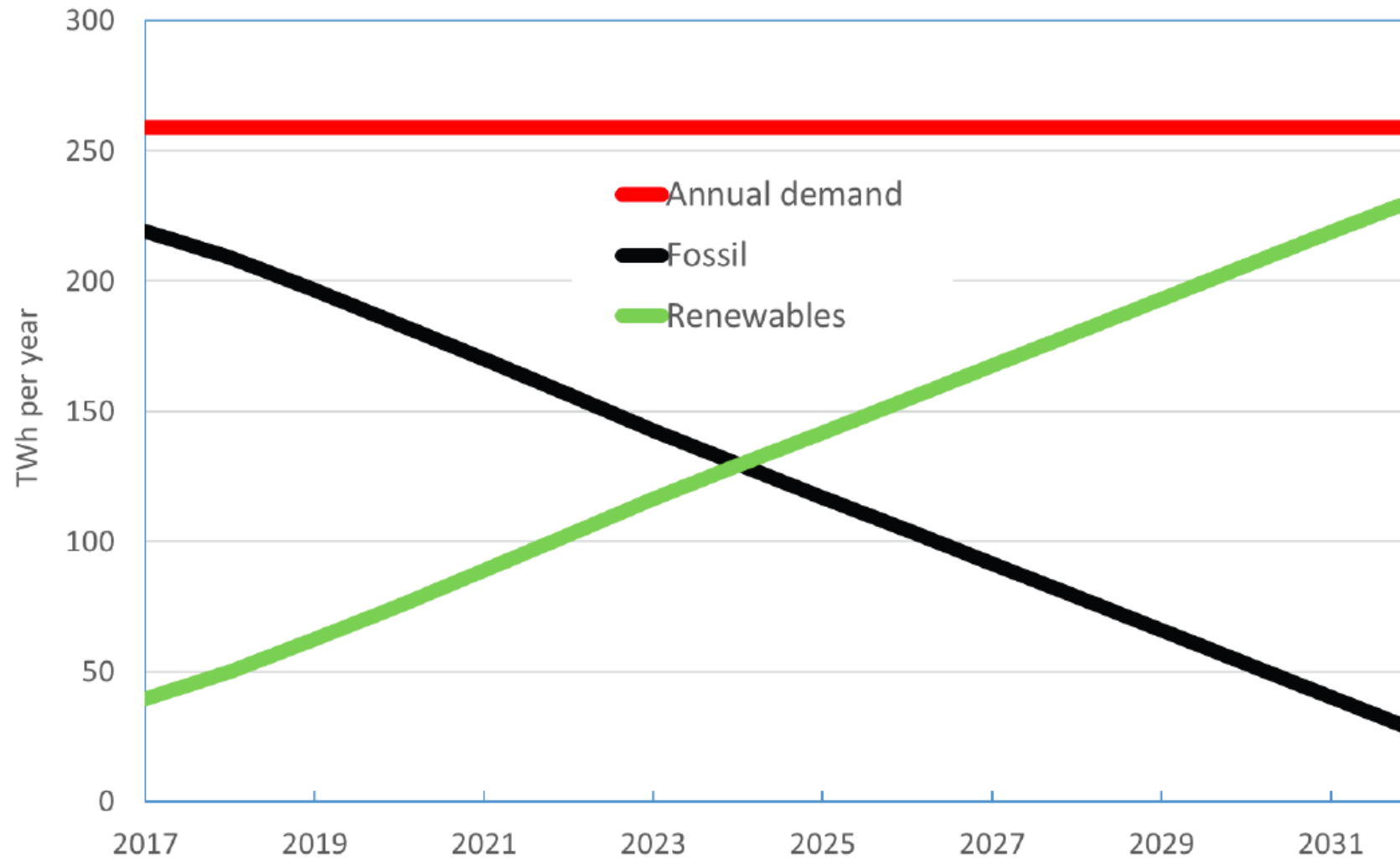
Average for 2018/19: 3.6 GW p.a. large scale } 5.2 GW p.a.
1.6 GW p.a. small scale }



Current utility-scale installation trends



Renewable / fossil replacement rate



Projections if industry installation continues

If industry is *allowed* to continue installing renewables at the current rate - then Australia will:

- Eclipse the Renewable Energy Target in 2020
- Reduce *electricity sector* emissions by 26% by 2021
- Attain our 26% Paris goals for the *entire economy* by 2025
- Reach 50% renewable electricity by 2025
- Approach 100% renewable electricity in the early 2030's

The Conversation – September 10, 2018

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At its current rate, Australia is on track for 50% renewable electricity in 2025

September 10, 2018 4.05pm AEST Updated September 10, 2018 5.23pm AEST

The Mugga Lane Solar Farm in the ACT is part of a new wave of large-scale renewable energy projects. AAP Image/Moening Australia

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The Australian renewable energy industry will install more than 10 gigawatts of new solar and wind power during 2018 and 2019. If that rate is maintained, Australia would reach 50% renewables in 2025.

The recent demise of the [National Energy Guarantee](#) saw the end of the fourth-best option for aligning climate and energy policy, following [earlier vetoes](#) by the Coalition party room on carbon pricing, an emissions intensity scheme, and the clean energy target.

Authors



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<http://energy.anu.edu.au/publications>

Government energy/climate policy is still needed to:

- Provide a stable trajectory for the economy
- Create investor certainty
- Decrease risk
- Lower the cost of finance
- Keep downward pressure on electricity prices



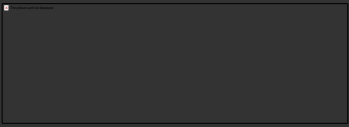
How the energy transformation changes everything



Sarah McNamara
Chief Executive, Australian Energy Council

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Ayesha Razzaq
General Manager Retail, ActewAGL

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World Energy Outlook: Ian Cronshaw, IEA

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WEO2018 focus theme: Electricity

Dr Matthew Stocks, ANU

Chair: Dr Marnie Shaw, ANU

Panel:

- Mark Williamson - *Clean Energy Regulator*
- Sarah McNamara - *Chief Executive, Australian Energy Council*
- Oliver Woldring - *Strategy and Policy Group Manager, ITP Renewables*

WEO2018 focus theme: Producer economies

Dr Emma Aisbett, ANU

Chair: Assoc Prof Llewelyn Hughes, ANU

Panel:

- Paul Gulleik Larsen - *Norwegian Ambassador to Australia*
- Dr Christian Downie - *ECI, School of Regulation and Global Governance*
- Dr Emma Aisbett - *ECI, School of Regulation and Global Governance*



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Can we make a 100% renewable energy system?

Ivor Frischknecht,
inaugural CEO of ARENA

ACT Government / ANU Solar Oration 2018

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