



Advocating the Energy Transition:

SEN & SEC Presents: WA State Election Climate and Energy Leaders Forum

18th February 2025

WA State Library Theatre

Download link: <https://we.tl/t-LkQcU5J4qY>

Expiry: 30 days - 20 March 2025 (please download the video before expiry)

Agenda



Welcome and Emergency Response

Acknowledgement of Country

1. Tonight's Theme and Slido (for audience questions submission)
2. Speakers
3. Moderator Questions
4. Audience Questions
5. Wrap

1

Tonight's Theme



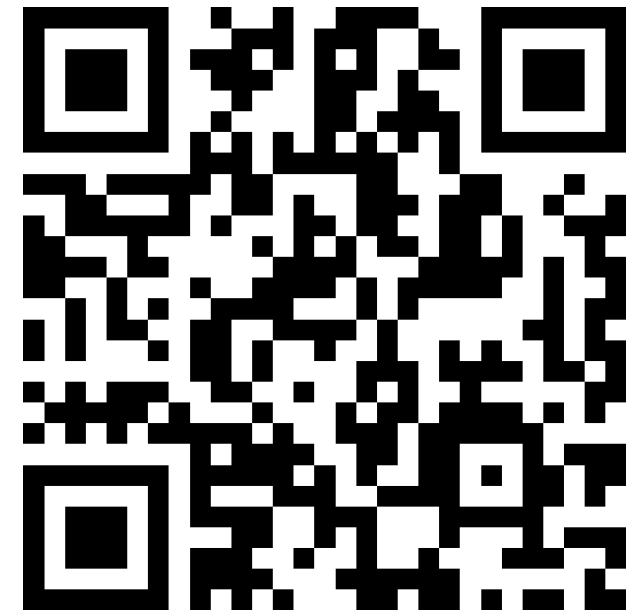
Tonight's Theme



- Marketplace of political ideas on climate and energy
- Speakers - five minutes to present their policies
- Speakers respond to questions from the moderator
- Audience questions using Smartphone app Slido
- Slido up-voting and down-voting
- No questions from fellow panelists
- Roving mic towards the end
- Time keeper

slido

Meeting
Number
3042225



2

Speakers



Speakers



Hon. Reece Whitby MLA

**Minister for Energy Environment
Climate Action (Labour)**



Hon. Dr Steve Thomas MLC

Shadow Minister for Energy (Coalition)



Hon. Dr Brad Pettitt MLC

WA Greens



Dr Rachel Horncastle

**Cottesloe's Community Independent
Candidate**

2.1

Hon. Reece Whitby MLA

Minister for Energy, Environment, Climate
Action (Labor)



A copy of this presentation without notes will be available post event on the SEN Website

2.2



Hon. Dr Steve Thomas MLC
Shadow Minister Energy (Coalition)

The State Government's plan means that over the next six years it will close over 1,300 Megawatts of baseload coal generation capacity, which it says it will replace with renewable generation and storage.

In the 2022 Legislative Council budget estimates this investment of around \$3.8 billion this was identified as 4,400 megawatt hours of lithium big battery storage and 810 megawatts of additional wind farm capacity.

Of the additional wind generation 400 megawatts will be built by the Water Corporation at a cost of \$800 million to supply power to the next desalination plant.

Synergy would retain the other 410 megawatts of generation capacity, presumably also at a cost of \$800 million.

During the 2023 budget process \$3 billion of this investment was further defined as –

- 2,000 megawatt hours of new battery storage to be built at Collie at an estimated \$1.64 billion, and
- 800 megawatt hours of additional battery storage to be built at Kwinana (Kwinana 2) at an estimated \$657 million.

This represents a cost of \$821,428 per megawatt hour.

- We will extend the lifespan of existing coal generators where necessary and where possible until renewable generation supported by gas generation backup and energy storage can meet the needs of the state.
- We have committed to building 300MW of new gas generation capacity.
- We recommit to being net carbon neutral by 2050 and work on a genuine and deliverable transition over that time.
- We will watch carefully technological advances in all areas of electricity generation and storage and adopt them when they are proven economic and productivity performers. The Liberal Party remains source agnostic and will retain the capacity to adopt developing technologies.
- The Western Australian Liberal Party is not afraid to look at nuclear power generation for the state energy grid when it becomes economically viable.
- A Liberal Government will support the expansion of the vanadium industry by providing a five year royalties exemption for vanadium mines established in Western Australia. The current rate or royalty on vanadium is 2.5%.
- We would open the state up for the exploration and export of uranium immediately.
- We would not give offtake agreements for the South West Interconnected System for offshore wind projects until all other options for additional generation have been examined.

2.3



Hon. Dr Brad Pettitt MLC
(WA Greens)

<https://music.youtube.com/watch?v=rrJhQpvIkLA>

Climate and Energy Forum

Dr Brad Pettitt MLC

“Climate change is the greatest challenge of our lifetime ... We need to take decisive action this decade.”

Minister Reece Whitby

But WA's emissions are rising...

WA

8.3%



Rest

34%












Climate Council 2024 Progress Scorecard



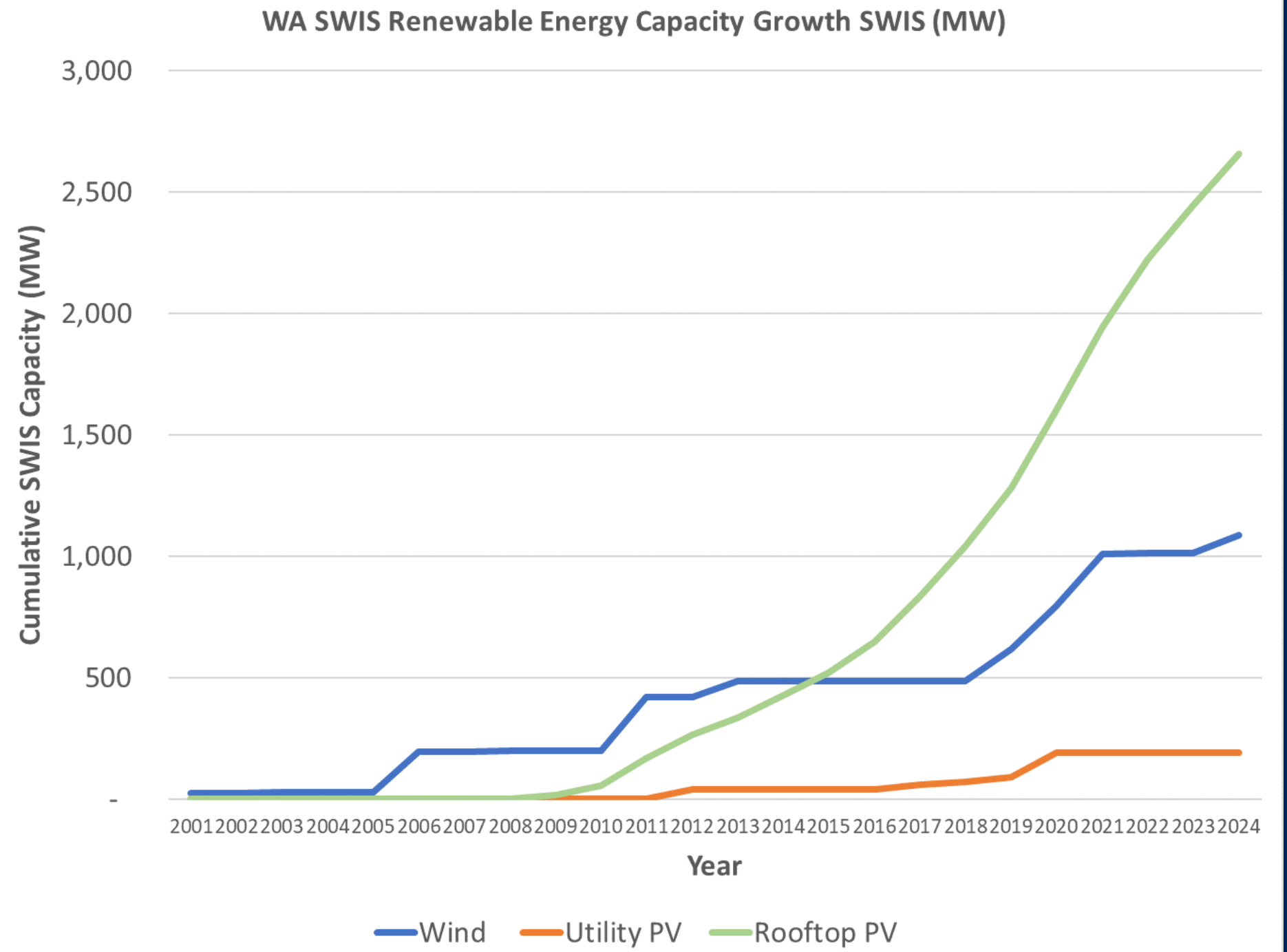
Leader



Lagging

	Share of electricity generated from renewable sources	Share of houses with rooftop solar	Share of houses with rooftop solar and a battery	Electric vehicles registered (no. per 1000 people)	Electric vehicle chargers (no. per 1000 people)	Share of travel using shared transport	Renewable energy targets	Emissions reduction targets
NSW	35.6%	34.7%	0.9%	2.9	0.02	 13.1%	12 GW by 2030 No 2035 target	50% by 2030 70% by 2035 Net zero by 2050
VIC	40.1%	28.1%	0.9%	3.0	0.02	8.5%	65% by 2030 95% by 2035	45-50% by 2030 75-80% by 2035 Net zero by 2045
QLD	26.5%	 50.2%	0.9%	3.1	0.02	6.1%	50% by 2030 80% by 2035	30% by 2030 75% by 2035 Net zero by 2050
WA	 17.6%	44.6%	1.0%	2.9	0.02	5.7%	 No target	 Net zero by 2050
SA	74.4%	49.8%	 2.9%	2.1	0.03	5.3%	100% by 2027	50% by 2030 No 2035 target Net zero by 2050
TAS	98.2%	21.0%	0.5%	2.8	 0.06	3.4%	 100%+ by 2030	 Already net zero

Renewable energy is stalling



\$100k per MW will further constrain



The lowest cost scenario for Perth:

87% renewable energy.

Requires:

4,800MW of new wind,

1,500MW of new large-scale solar PV



Incentivise home batteries like we did
with solar PV



Home Electrification Incentives Available in Australia

	NSW	QLD	SA	TAS	VIC	NT	ACT	Fed	WA
Home Solar PV Subsidy 	•	•	•	✓	✓	✓	✓	✓	•
Home Battery Subsidy 	✓	✓	•	✓	✓	✓	•	•	•
No or Low Interest Loan Scheme 	•	•	•	✓	•	•	✓	✓	•
Induction Cooking Subsidy 	•	•	•	✓	✓	•	✓	•	•
Hot Water Heat Pump Subsidy 	✓	•	✓	✓	✓	•	✓	✓	•
Electric Air Conditioning Subsidy 	✓	✓	✓	✓	✓	•	✓	•	•
Get Off Gas & Electrification Information 	✓	✓	✓	✓	✓	•	✓	•	•

≈50% export related

≈50% domestic



Australia's National
Science Agency

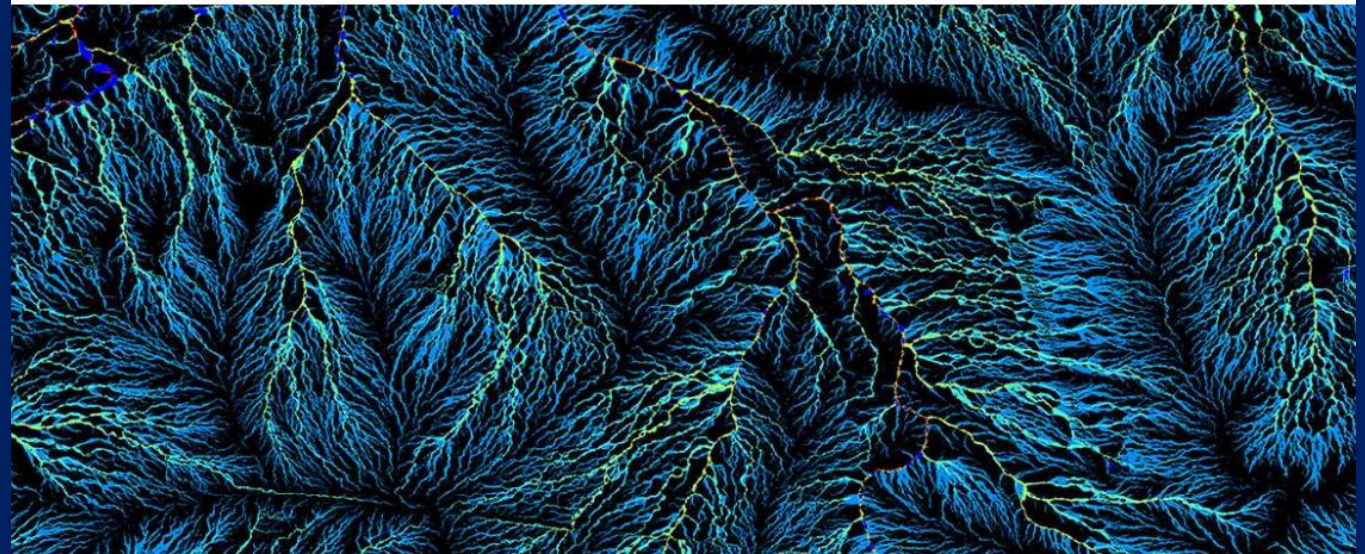
“Delays their adoption of
low emission technologies
(higher emissions)”

Modelling the emissions impact of additional LNG in Asia

A report for Woodside Energy Pty Ltd

Jenny Hayward and Paul Graham
November 2019

Commercial-in-confidence



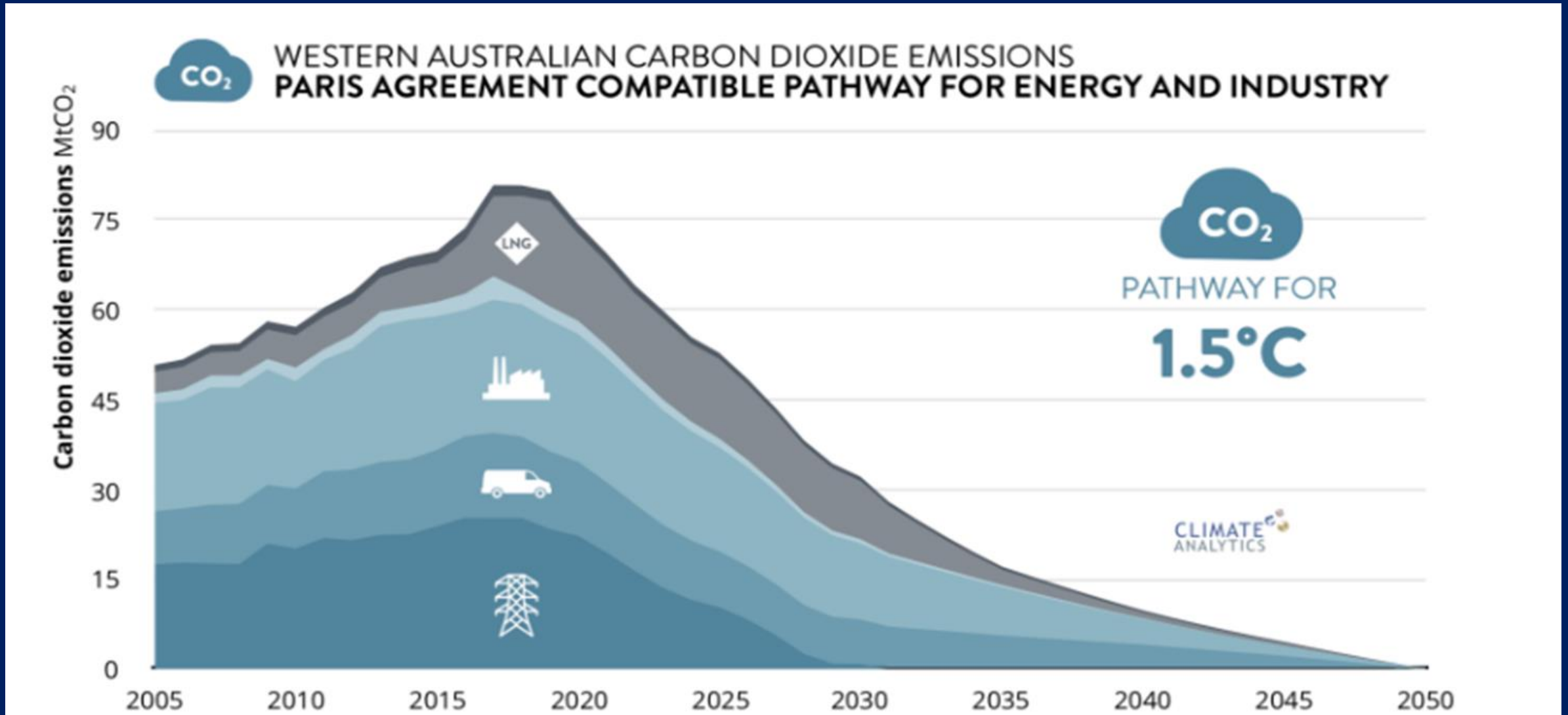
Woodside's claim that gas displaces coal not borne out by evidence – instead it displaces renewables

Royce Kurmelovs

7 FEBRUARY 2025 1:50 PM



We are the lucky state but need a plan



2.4



Dr Rachel Horncastle
(Cottesloe's Community Independent Candidate)

DR Rachel HORNCastle
Community Independent for Cottesloe

Climate and Energy Forum
18 February 2025



WHAT IS A COMMUNITY INDEPENDENT?

- Genuine representation and transparency
- Addressing concerns of community



Policies based on science

- Reduction of emissions
- Transition to clean energy
- Energy efficiency



REDUCTION OF EMISSIONS

- Climate Action Bill
- Interim emissions targets
- Renewable energy targets

ELECTRIFICATION

- Rooftop Solar
- Home Batteries
- Cooling and Heating Systems
- Hot Water
- Cooking
- EVs
- E Bikes

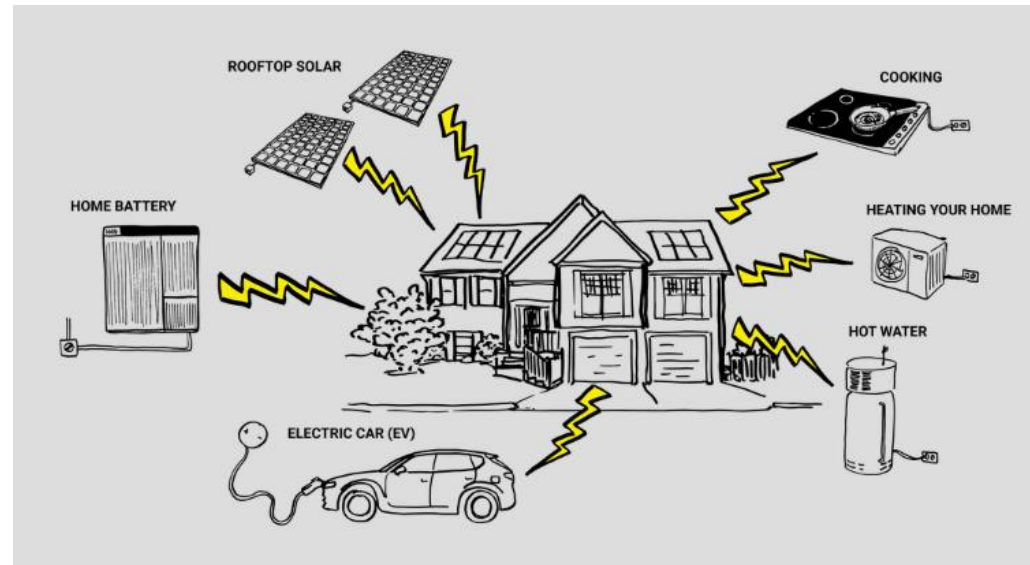


Image: Rewiring Australia

Energy efficiency

- New Builds
- Retrofit
- Disclosure of Energy Efficiency

A JUST TRANSITION

- Tailored Rebates
- Renters/Multi-Dwelling Buildings/Low Income
- Highly Skilled Workforce

Future based policies



3



Audience Q&A

slido

Meeting
Number
3042225



4

Wrap-up

Sustainable Energy Now
Containers for Change
C10540832

