

# Renewable Energy Policy & Energy Transition in Australia

August 2022 -

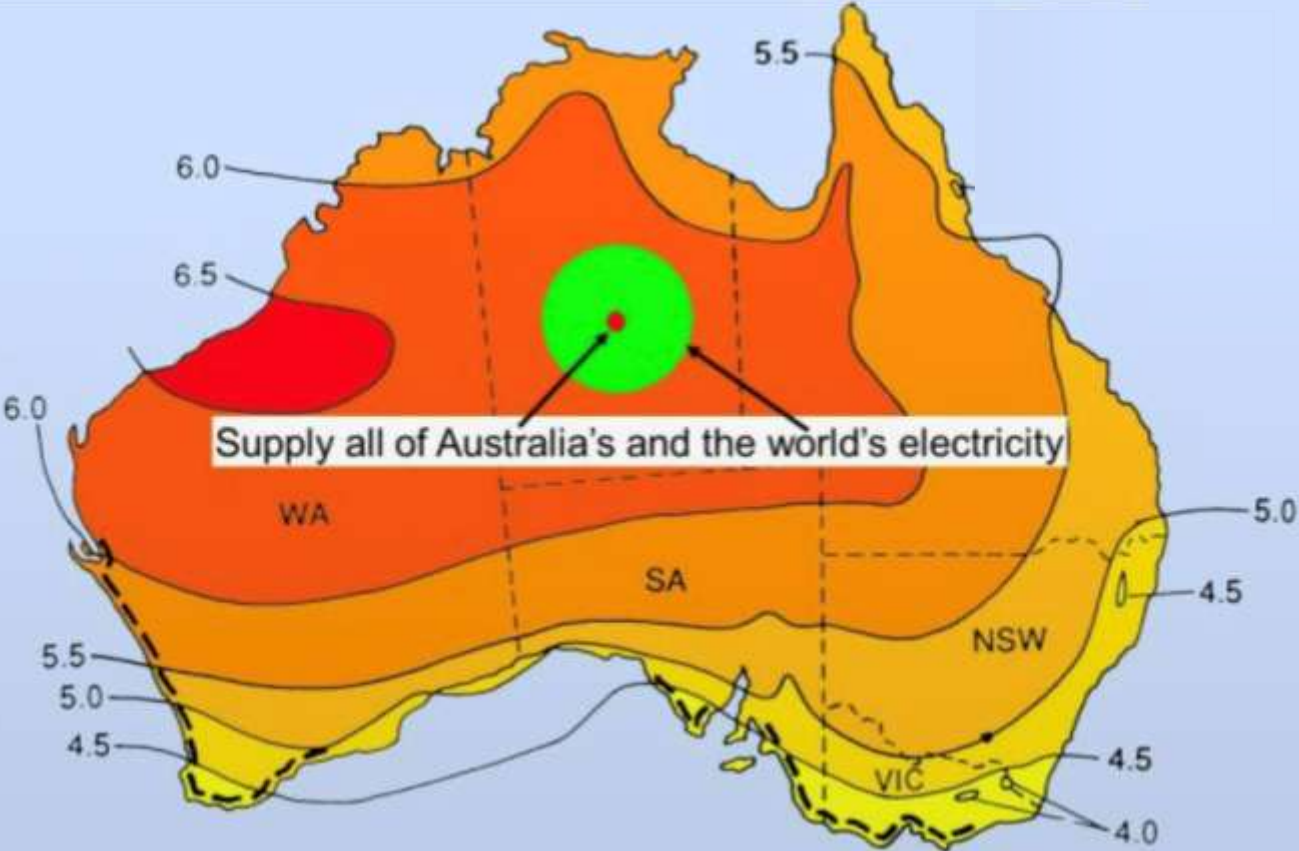
**SCOTT HAMILTON**  
Senior Advisor,  
Smart Energy Council



# Black summer – 3 billion animals



# Sunlight in Australia

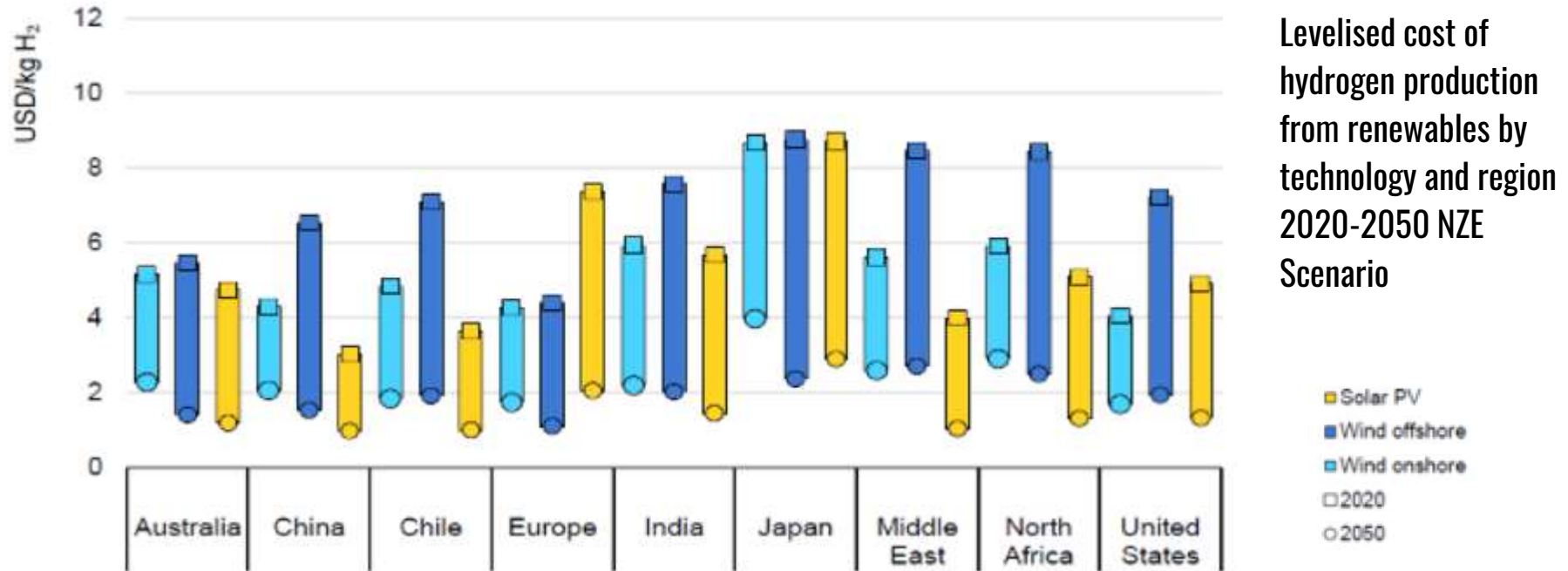




**“We’ve put 60 million solar panels on roofs in Australia in the last 10 years.”**



# Why Australia?



Source: IEA, Global Hydrogen Review 2021, 2021, pg. 124.

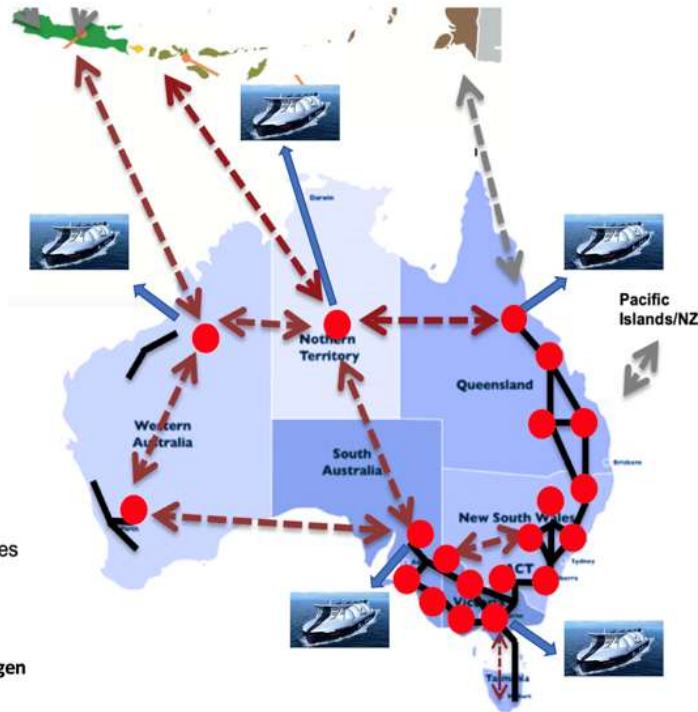
# 'One Sun One World One Grid'



[www.energy-transition-hub.org/](http://www.energy-transition-hub.org/)

@et\_hub  
@SDHamiltonVIC

- ↔ Possible interconnection routes (future work)
- ↔ Potential new interconnectors
- Existing Transmission lines
- Hydrogen pipelines to shipping ports
- 61 RE Zones & 23 Hydrogen production sites



## The 10 Gigawatt Vision

How renewable energy can power jobs and investment in the Northern Territory



# South Australia Hydrogen Jobs Plan



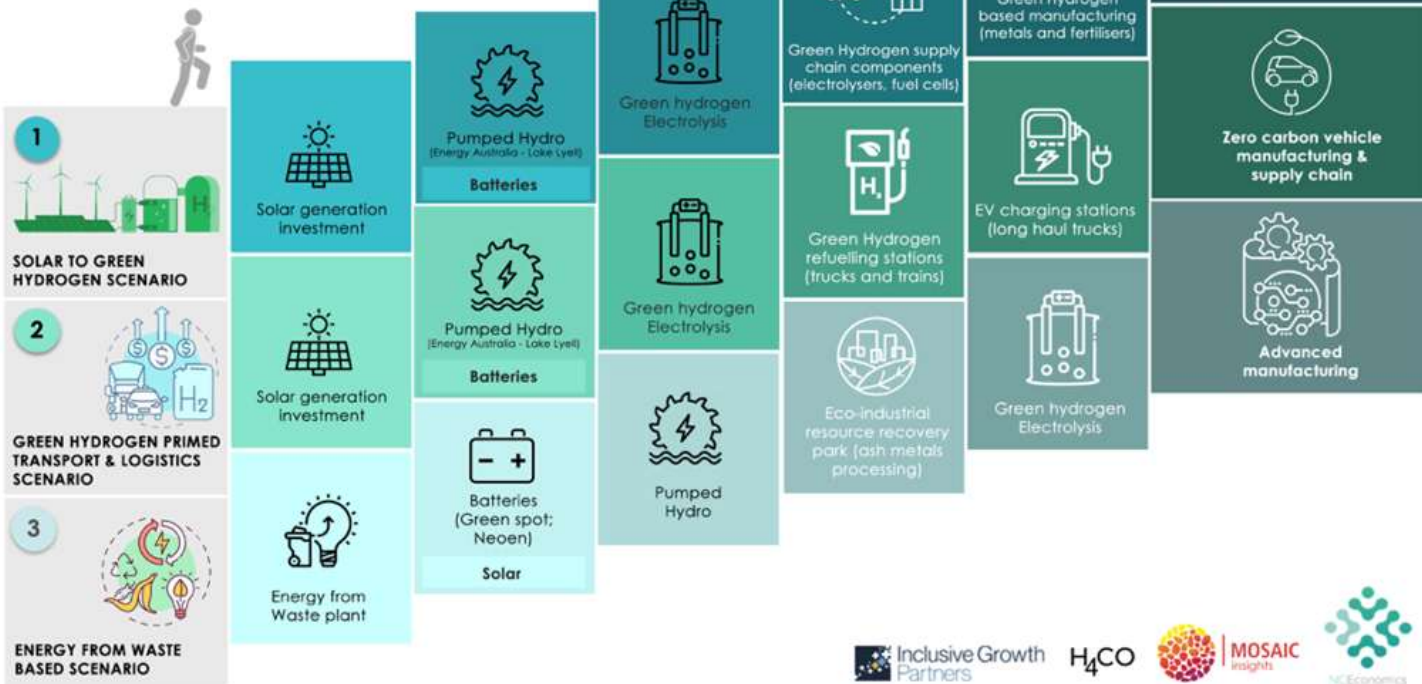
- AUD\$593m
- 250MWe electrolysers
- Whyalla, South Australia
- By 2025

Motherson & Smart Energy Council submission: 19 July 2022





# RENEWABLES DIVERSIFICATION SCENARIOS - CONCEPT





# Australian Government Policy

- 43% emissions reduction by 2030 in law
- 82% renewables by 2030
- Up to \$3 billion from National Reconstruction Fund to invest in green metals (steel, aluminium); clean energy component manufacturing; hydrogen electrolysers and fuel switching
- \$20 billion Rewiring Australia



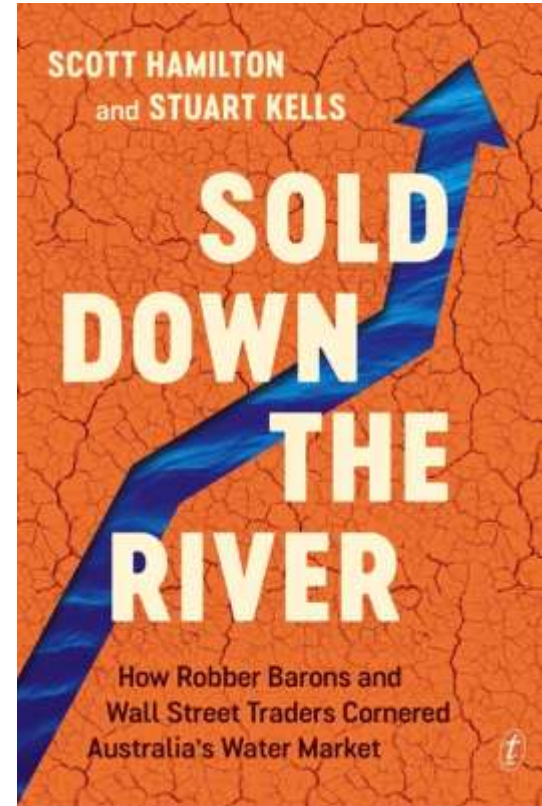
# THANK YOU!



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# A FUTURE BUILT ON SMART RENEWABLE ENERGY

Smart Energy Council is the  
independent body for the  
Australian smart energy industry.

[smartenergy.org.au](http://smartenergy.org.au)

