



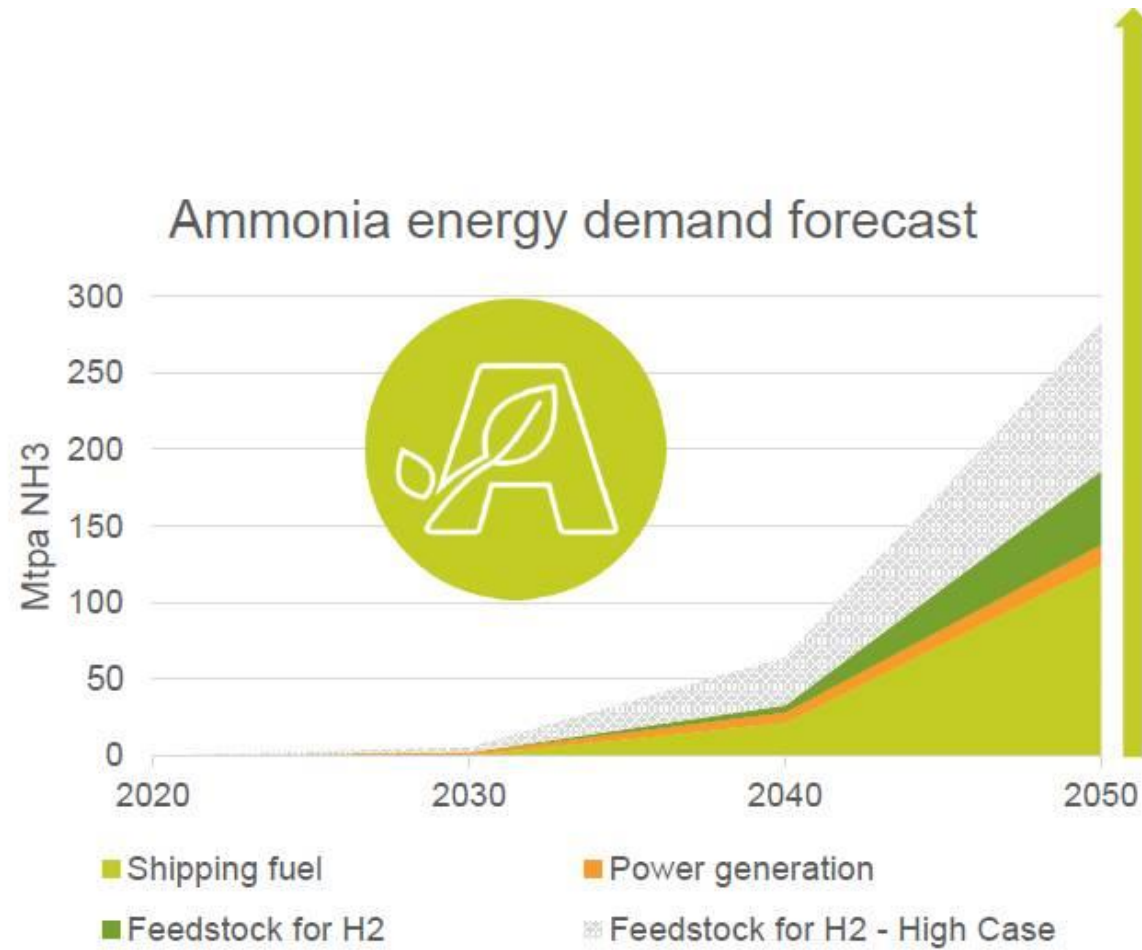
# Ammonia Energy Association Conference

August 2021

Hon Alannah MacTiernan MLC



# AMMONIA ENERGY DEMAND FORECAST



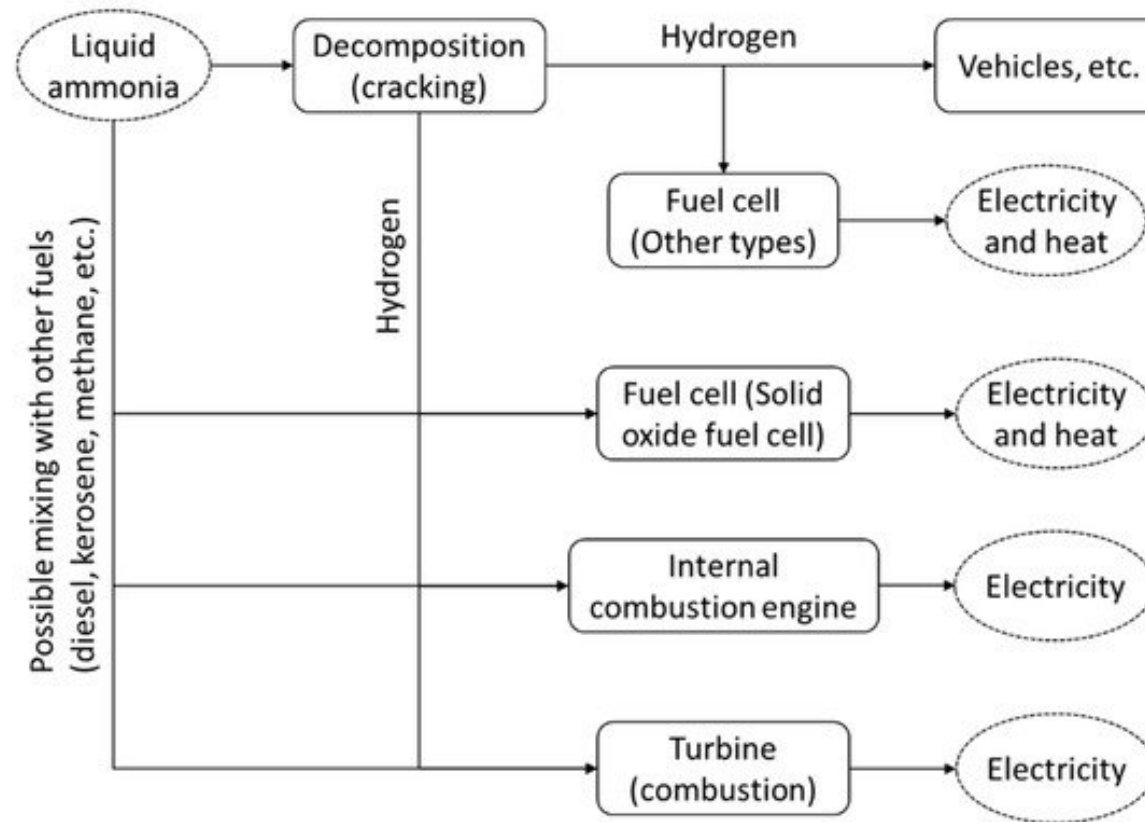
Source: Ammonia Energy Association

# **AMMONIA USE IN MINING**



**Controlled mining blast spanning 50 hectares**

# APPLICATIONS OF AMMONIA IN THE HYDROGEN SUPPLY CHAIN



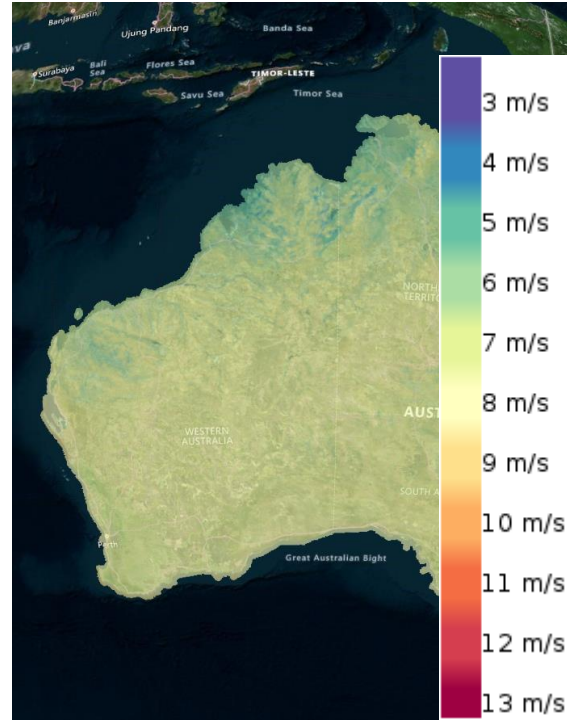
Source: MDPI



# WHY WA? OUR NATURAL ADVANTAGES



**Solar**



**Wind**



**Wave**

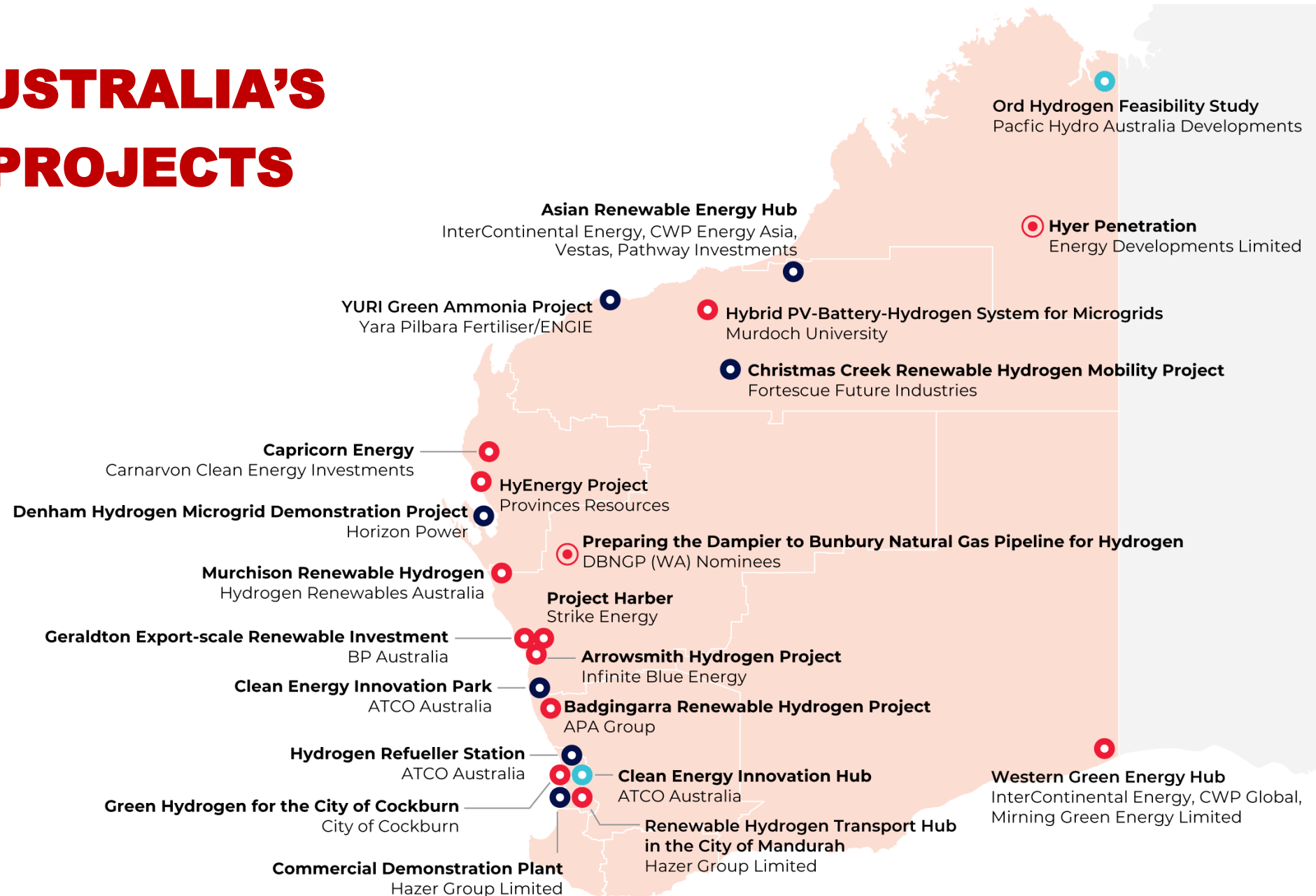


**Tidal**

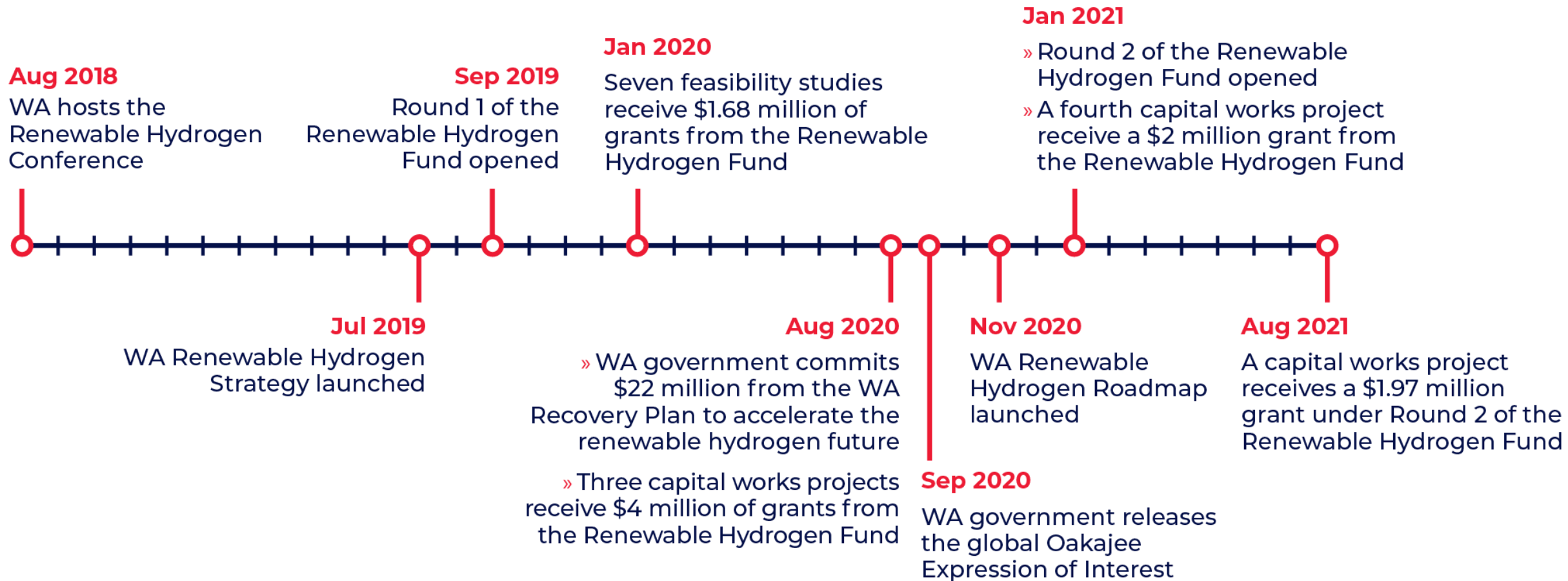
Source: Geosciences Australia

# WESTERN AUSTRALIA'S HYDROGEN PROJECTS

- Project status (as at August 2021)
- Investigation study
  - Project in progress
  - Completed
  - Multiple sites and/or regions



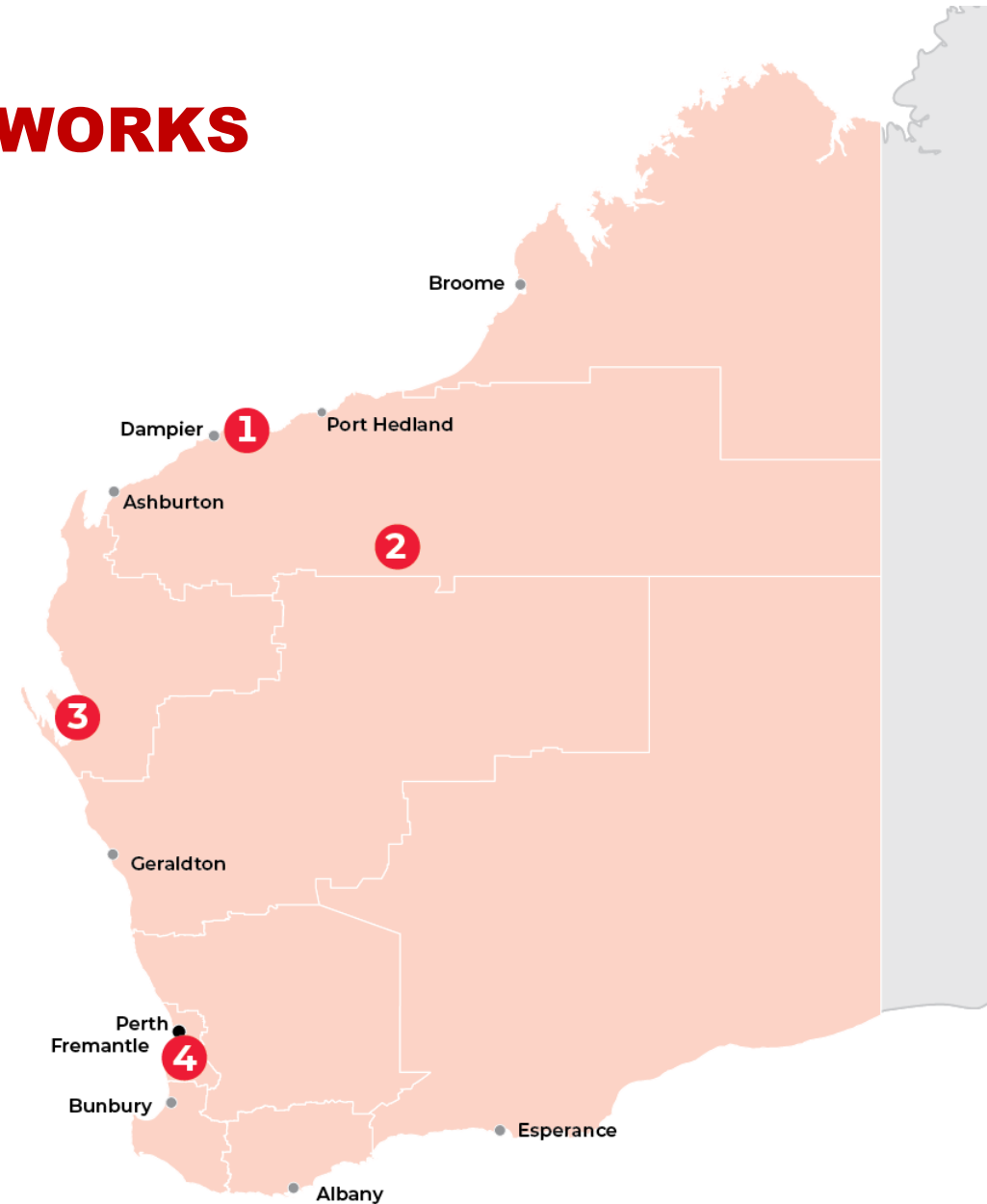
# OUR HYDROGEN JOURNEY SO FAR



# OUR RENEWABLE HYDROGEN CAPITAL WORKS

## PROJECT INVESTMENTS TO DATE

- 1. Denham Hydrogen Microgrid - Horizon Power**
  - ❑ Commissioning - December 2021
- 2. YURI Green Ammonia Project - Yara/Engie**
  - ❑ Completion – December 2022
- 3. Christmas Creek Renewable Hydrogen Mobility Project - Fortescue Future Industries**
  - ❑ Completion of Capital Works - October - December 2021
- 4. Hydrogen Refueller Station & Gas Blending Capital Works Projects - ATCO Gas Australia**





# Oakajee Strategic Industrial Area



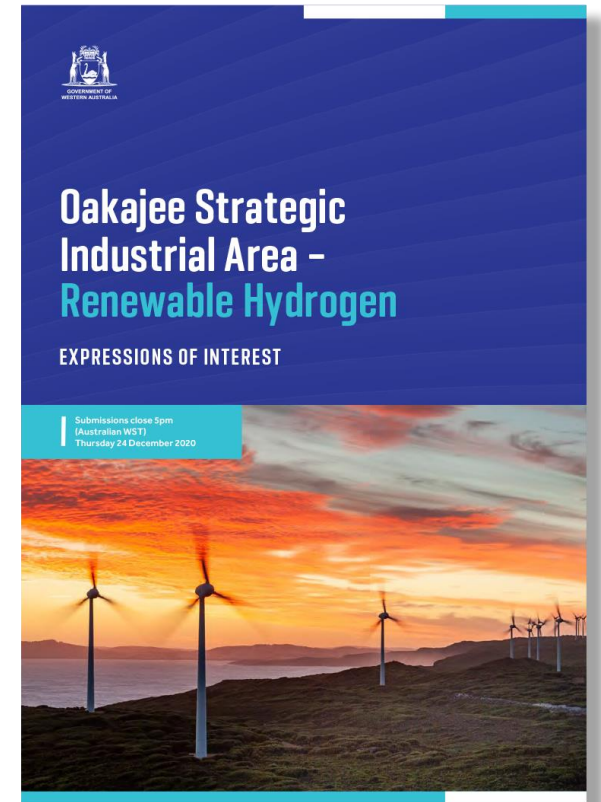
EOI received  
**65 applications**



**More than half**  
of the EOIs were  
from **international**  
companies of  
consortia



Election  
commitment  
**A\$7.5 million** for  
road infrastructure  
at Oakajee



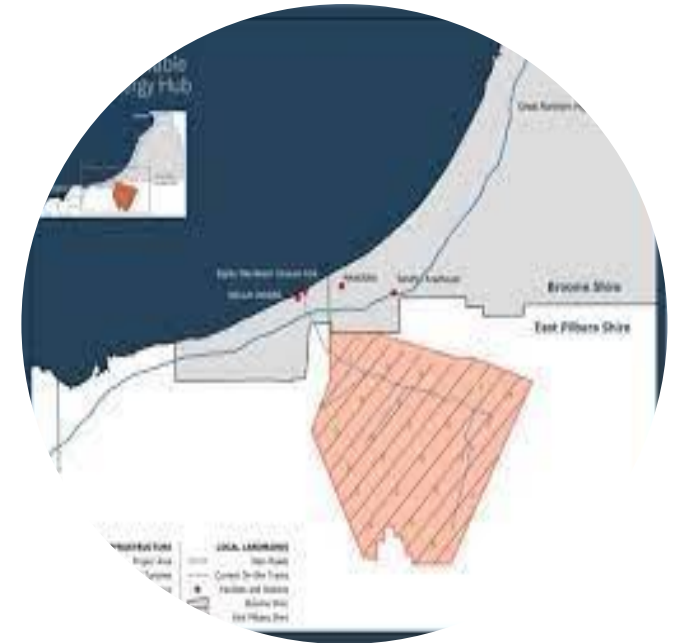
# OTHER NOTABLE HYDROGEN/AMMONIA PROJECTS



Murchison Renewable Hydrogen

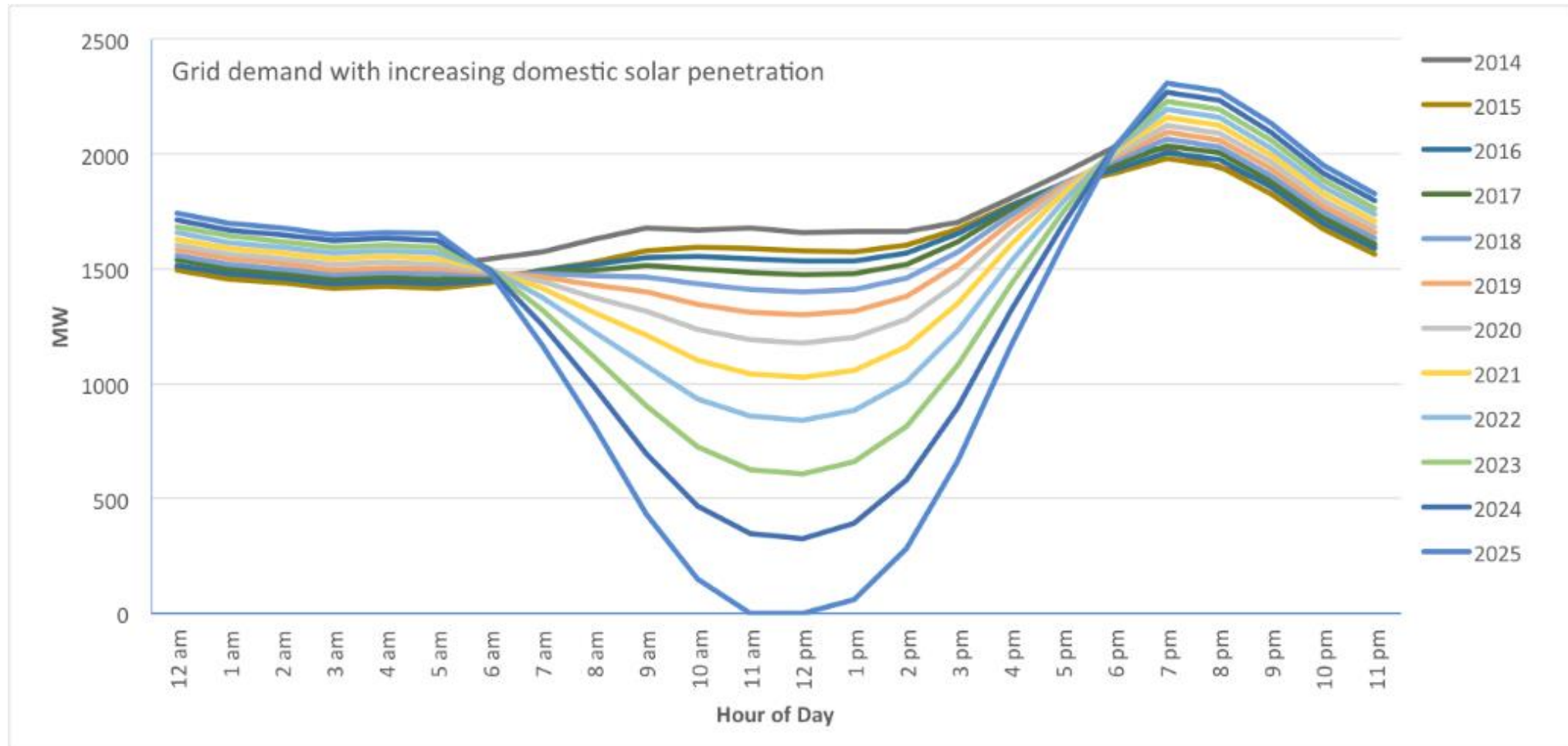


Western Green Energy Hub



Asian Renewable Energy Hub

# NEW KIDS ON THE BLOCK



SWIS excess daytime generation

# LAND TENURE AND NATIVE TITLE



Land tenure and  
Native title



# DEMAND STIMULATION



# REGULATORY REFORM AND CERTIFICATION



Certification



Regulatory  
Reform

# **BUILDING OUR LOCAL MANUFACTURING CAPACITY**



## **Renewable Hydrogen Infrastructure**

Wind Turbines, Electrolysers



## **Downstream Manufacturing** Green Steel, Green Aluminium, Green Cement



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