



H₂ under 2

H2 under 2 Working Group Meeting #21

12 SEPTEMBER 2022

AGENDA

#	Detail	Time (AEST)	Lead
1	Open	3.00 – 3.05 pm	Fiona Simon
2	Around the room status updates (max 3 mins each)	3.05 – 4.10 pm	-
3	US Inflation Reduction Act discussion	4.10 – 4.30 pm	Rupert Maloney
4	Risk/AHC webinars	4.30 – 4:45 pm	Fiona Simon
5	Other business / close meeting	4.45 – 5:00 pm	Fiona Simon

NET ZERO AUS

Early downscaling

E+ in 2050, solar and wind with transmission

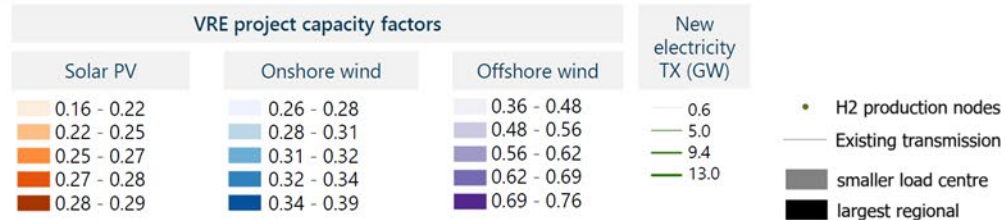
Net Zero Australia projects:

- 1.9 TW solar PV (2,242 projects)
- 132 GW onshore wind (194 projects)
- 42 GW offshore wind (36 projects).

Electricity generation is about **40x the capacity of the National Electricity Market** (in 2022).

NATIONAL MAP - 2050

INDICATIVE ONLY
Purpose of downscaling is to show scale and pace of change, not to identify specific projects

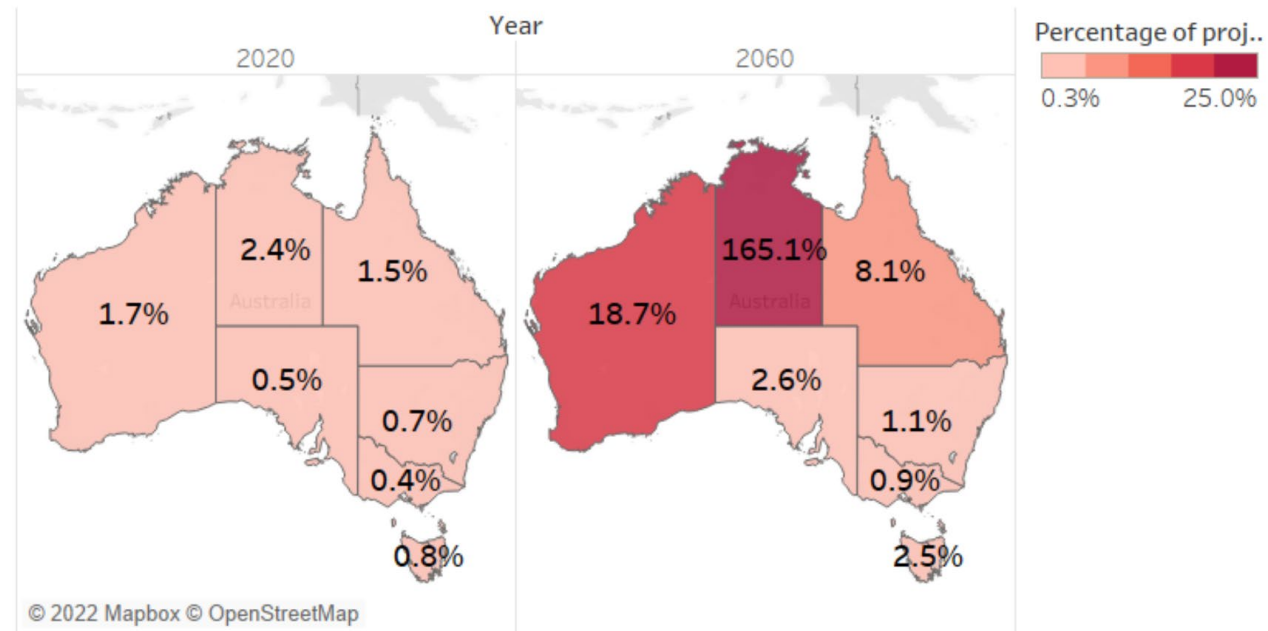


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NET ZERO AUS

Figure 12 | Proportion of projected workforce for the E+ scenario in 2020 and 2060, by state/territory. Note totals exceed 100% where modelled energy sector employment exceeds the projected workforce.

Energy sector jobs as percentage of projected workforce



RISK



LibertyAir is developing Australia's first carbon-free air freight company through the use of hydrogen-powered airships. The company's mission is to provide Australians with a cost-effective, green service for transporting goods.

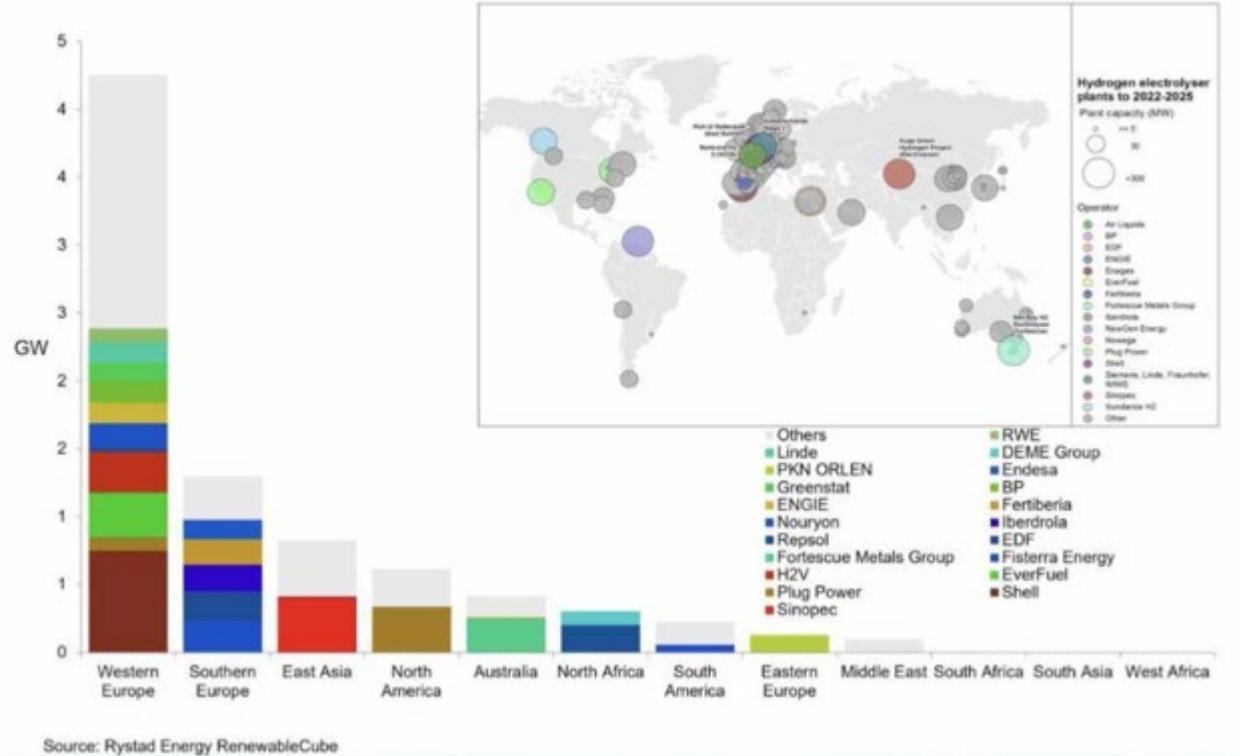
LibertyAir will be price competitive, as the fuel will be much cheaper than jet-a fuel, which is experiencing record price rises and is extremely bad for the environment.

The company will initially target short, high-volume routes from metropolitan cities to regional hubs. Some of the routes the company is considering are Sydney to regional New South Wales, Brisbane to regional Queensland, and Melbourne to regional Victoria.

Contact us

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De-risked – 8.5GW of green hydrogen by 2025 – Europe tops the list (GW)





H₂O

Around the room: status updates

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MEETING CLOSE

💧 **Secretariat contact**

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