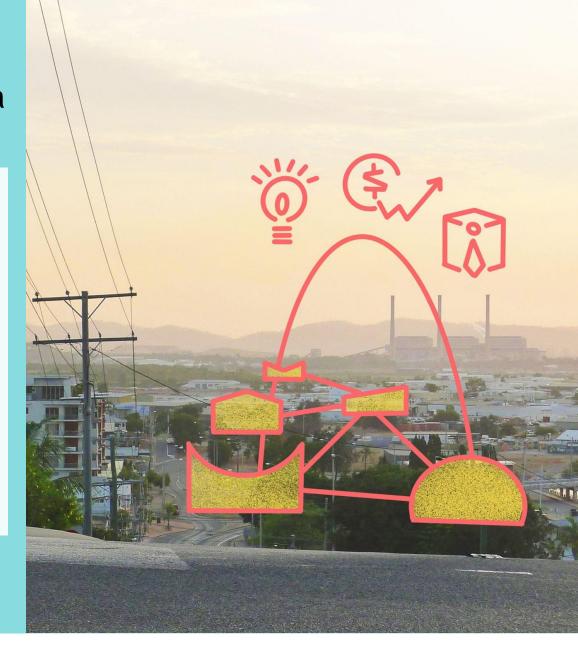
Ammonia Energy Conference 2023 - Australia

Regional energy ecosystems in development:

Gladstone

Alana Barlow

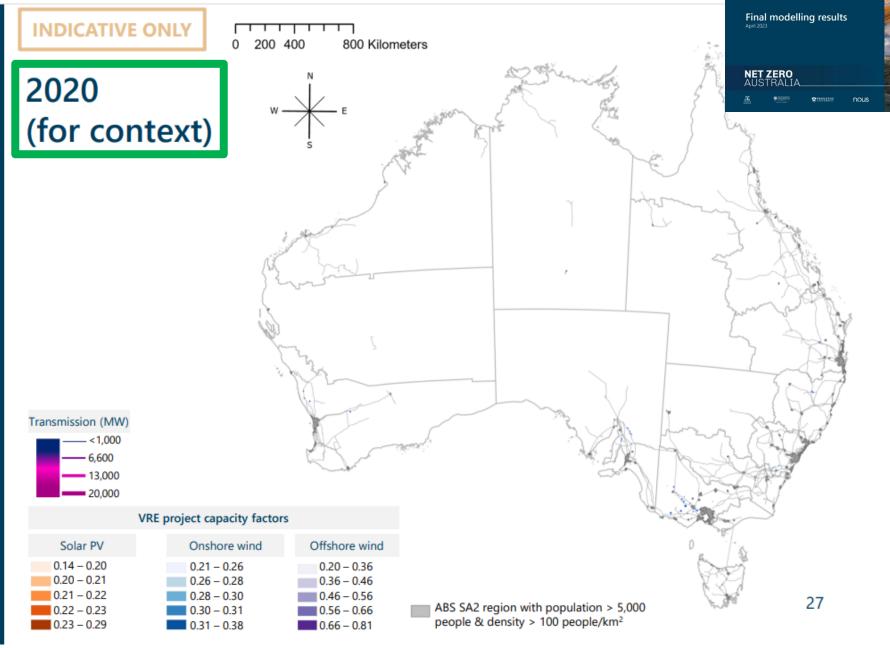
16 August 2023



Regional centres will be at the heart of the energy transition.

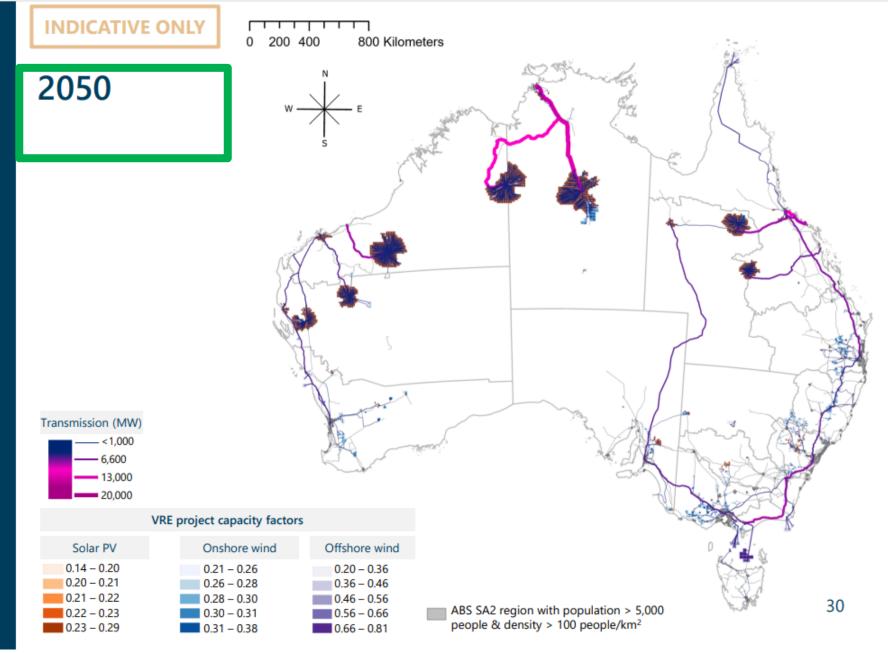
5

Greatly expand our energy and ancillary networks: powerlines carrying renewable energy, and pipelines carrying hydrogen, CO2 and desalinated water



5

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Greatly expand our energy and ancillary networks: powerlines carrying renewable energy, and pipelines carrying hydrogen, CO2 and desalinated water

INDICATIVE ONLY 200 400 800 Kilometers 2060 Transmission (MW) 13,000 20,000 VRE project capacity factors Solar PV Onshore wind Offshore wind 0.14 - 0.200.21 - 0.260.20 - 0.360.20 - 0.210.26 - 0.280.36 - 0.46 0.21 - 0.220.28 - 0.30 0.46 - 0.5631 ABS SA2 region with population > 5,000 0.22 - 0.230.30 - 0.310.56 - 0.66people & density > 100 people/km² 0.23 - 0.290.31 - 0.38 0.66 - 0.81

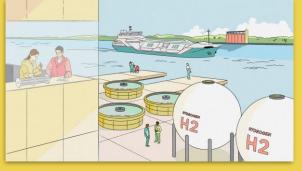
E+ 2060

Developing ecosystems and facilitating transformation: 2021



Postcards

6 Postcards from the Future











Each one of these postcards highlights **key aspects of Gladstone**, **major shifts** that take place, and a collection of **important stakeholders**.





2023: Where is Gladstone Now?

- CQH2 Alliance: Gathering of hydrogen proponents, GOCs, State and Local Government, State Owned Infrastrcture Providers (Power, Transmission, Water etc), Education Institutions
- Hydrogen Hubs Funding: \$69.2M awarded
- Masterplanning: State Government scoping master-planning for CQ leading on from the Sumitomo work
- Demonstrating outcomes through project development:
 - FEED for CQH2, with MOU for Ammonia plant signed by Keppel + IPL
 - Pre-FEED for H2U's H2>Ammonia plant

