



NEW H2

HUNTER HYDROGEN TECHNOLOGY CLUSTER

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Clare Sykes – NewH2 Cluster Manager
Northern Rivers Knowledge Exchange Forum

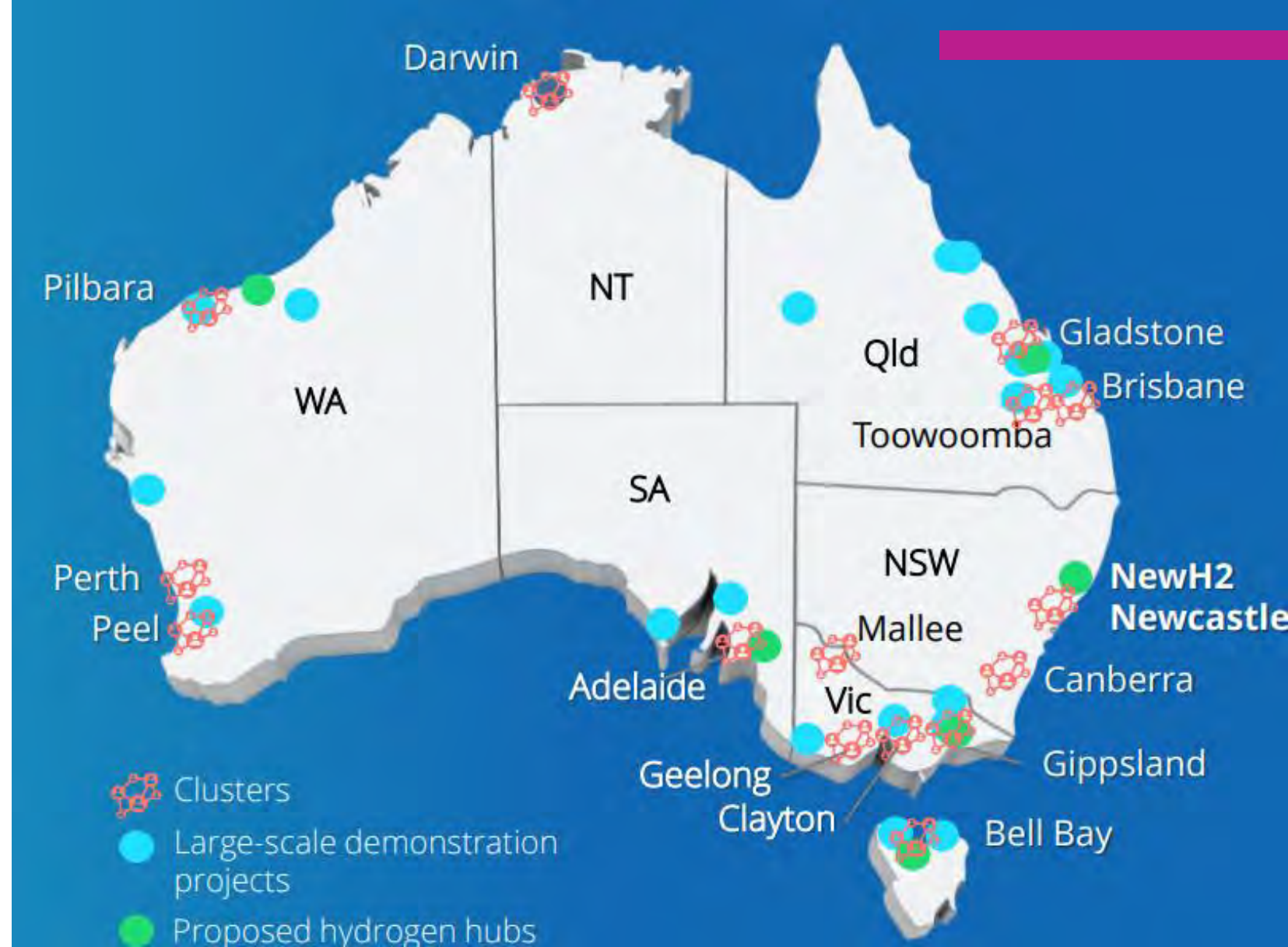
14 Sept 2021

Seeded by NERA
in 2021 as part of
H2TCA, a
nationwide
hydrogen cluster
to foster a multi-
billion dollar,
globally
competitive
hydrogen
technology
industry for
Australia.

NewH2 is supporting the emerging
hydrogen economy in NSW
by **facilitating connections**
and **knowledge sharing** throughout
the state and beyond.



H2TCA clusters are located around large-scale demonstration projects and proposed hubs





NewH2 is supported by several local industry associations, businesses, TAFE and The University of Newcastle, and spans the Hunter, Central Coast and Orana regions of the state.

CLUSTER vs HUB

HUBS

provide groups of hydrogen users common infrastructure for the local production, use and distribution of hydrogen. Will reduce costs by delivering hydrogen in a coordinated fashion.

CLUSTERS

drives supply chain coordination, connection and development by bringing together the expertise, technologies, resources, capital and knowledge of businesses and organisations needed to support the emerging local and national hydrogen industry.

Working together – the aim is to establish Australia as a global leader in hydrogen-related technology and expertise....”HETS”

2-WAY ENGAGEMENT MODEL



- Provide the framework for industry and research to participate
- Provide the setting to showcase
- Through the Stakeholders provide opportunities to connect and brainstorm
- Assist with updates, knowledge exchange, funding opportunities
- Participate in strategy development

SME

Share barriers and focus points
Share roadmaps, objectives
Collaborate on solutions and opportunity
Contribute knowledge
Technical insights, skills, regs, and other needs


LARGER SCALE PROJECTS




Share capabilities
Project activities and updates
Communicate how to engage and to leverage research
Supply chain opportunities

RESEARCH

Contribute knowledge
Participate with technology updates, demonstrations, capability updates
Be active to collaborate and grow the cluster

Website – Join us



Search website   

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HUNTER HYDROGEN TECHNOLOGY CLUSTER

NewH2 is supporting the emerging hydrogen economy in NSW by facilitating connections and knowledge sharing throughout the state and beyond. The Cluster was seeded by NERA in 2021 as part of H2TCA: Hydrogen Technology Cluster Australia - a nationwide cluster to foster a multi-billion dollar, globally competitive hydrogen industry for Australia.

IS THE CLUSTER RIGHT FOR YOU?

JOIN US

LARGE-SCALE INDUSTRY AND HUBS

Share capabilities. Share project activities and provide updates. Communicate how to engage and leverage research. Supply chain access opportunities.







RESEARCH INSTITUTIONS

Contribute knowledge and leading edge research developments. Participate with technology and capability updates, demonstrations. Be active to collaborate and grow the cluster.

GOVERNMENT AND INDUSTRY ASSOCIATIONS

Share funding opportunities and leverage growth through established industry networks. Share infrastructure and investment updates. Communicate strategy, policy and regulatory updates. Link to national and international Hydrogen initiatives and developments.

INDUSTRY PARTNERS




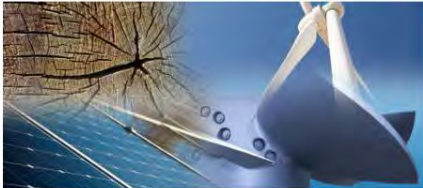
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Stay informed of opportunities.

INDUSTRY, GOVERNMENT AND UNIVERSITY ROUNDTABLE REVIEWS FUTURE RESOURCE SECTOR SKILL NEEDS


20th June 2021
NewH2 News, Policy and Legislation






REPORT: CSIRO CONFIRMS RENEWABLES STILL CHEAPEST

10th June 2021
NewH2 News, Renewables



GREEN HYDROGEN APPROACHING COST-COMPETITIVENESS IN AUSTRALIA, SAYS NEW STUDY

29th May 2021
Energy Management



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Group of industry associations, businesses, and government in Newcastle with networks through the
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KNOWLEDGE



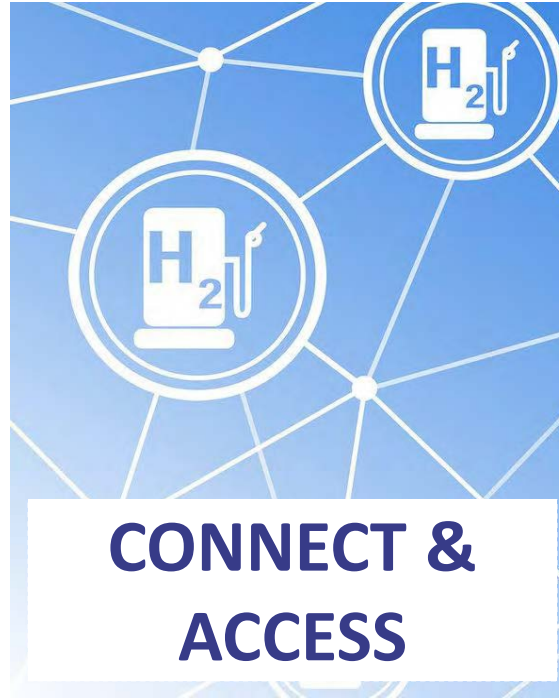
SKILLS



**RESEARCH &
INNOVATION**



**PROJECTS &
INVESTMENT**

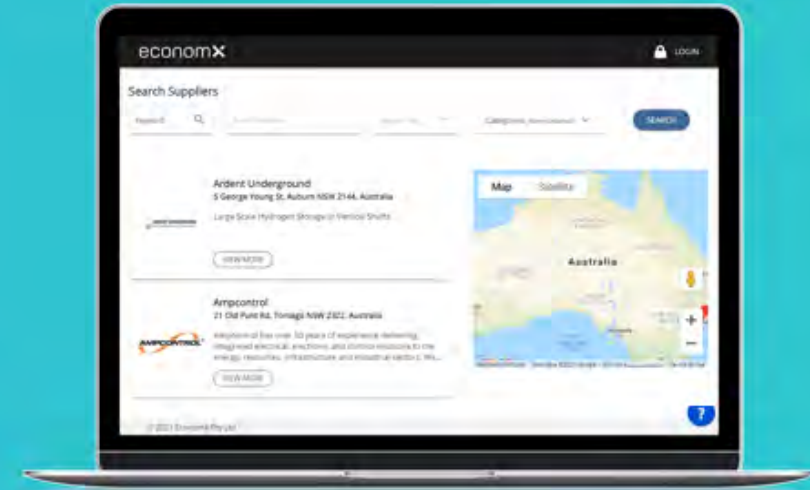


**CONNECT &
ACCESS**



**NATIONAL &
H2TCA**

- › NERA funded and led the development of HyCapability
- › This free, online, searchable platform connects Australian hydrogen businesses with a domestic and global market.
- › HyCapability is mapping regional hydrogen ecosystems and supply chain capacity.
- › Making it easier to identify businesses along the value chain that have innovative technology, service and equipment offerings for the hydrogen industry.



Find out more at
www.nera.org.au/hycapability

HyResource

HyResource is the **single source** of information on key hydrogen-related organisations, policies and projects in Australia with supporting information on NZ.

NERA funded this platform, collaborating with CSIRO, Australian Hydrogen Council and Future Fuels CRC.

Tracking around **90 projects**, including large-scale, demonstration and pilot facilities and proposals as well as research and development activities arising from major funding programs.



<https://research.csiro.au/hyresource/>

NSW Collaboration Platform



[Post an Idea](#)



NSW hydrogen collaboration platform

An opportunity to connect and collaborate

[Subscribe](#)

Hunter hydrogen hub

 3  1  2  2

Welcome to the Hunter hydrogen hub challenge! This has been set up for you to discuss projects located in the Hunter region for the upcoming hubs Initiative later in the year.

If you are interested in the Hunter hydrogen hub, we encourage you to post your ideas under this challenge and start collaborating on other ideas. To start off we have included a few guide ideas to drive collaboration.

[More Details](#)

[Post an Idea](#)

Other

- NSW Government – Hydrogen Strategy
- NSW and Federal Hydrogen Hubs,
- New Low Carbon Industry Foundations,
- **Decarbonisation Innovation Hub – Powerfuels and Hydrogen Network**

NewH2 - UPCOMING ENGAGEMENTS

- Knowledge Exchange - monthly
- **Northern Rivers - Webinar, 14 Sept**
- Skills Forum monthly, commence with roundtable Sept 16, Oct 21, 10 Nov
- Demystify Hydrogen – Business Hunter and Hunter IF, Port of Newcastle, Challenge Series Workshops – in planning – (Oct/Nov tbc)
- Energy, Innovation and Mining Expo Gunnedah – (postponed)
- Hunter Hydrogen Conference – Webinar early Nov, (f2f event postponed to Feb/Mar 2022)
- O2N – Resources, Energy and Industry innovation Forum, Dubbo – Feb 16/17 2022

BUSINESS HUNTER

HUNTER BUSINESS INFRASTRUCTURE



Investing in the Hunter's renewable future: A policy and industry update with the Hon. Matthew Kean, Minister for Energy and the Environment

21 September 2021

11am - 12noon

[Register here](#)

Minister Kean will provide an update on the roll out of the Energy Road Map including the Hunter Renewable Energy Zone; initiatives that are helping emissions-heavy industry commit to and get to net zero 2030; government facilitation and investment into renewable infrastructure noting the Hydrogen Hub/Cluster based in the region and ambitions for the region to grow its involvement in renewable energy generation as coal fired assets are retired.



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THANK YOU

www.newh2.net.au

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