



NEW H2

HUNTER HYDROGEN TECHNOLOGY CLUSTER

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Clare Sykes – NewH2 Cluster Manager

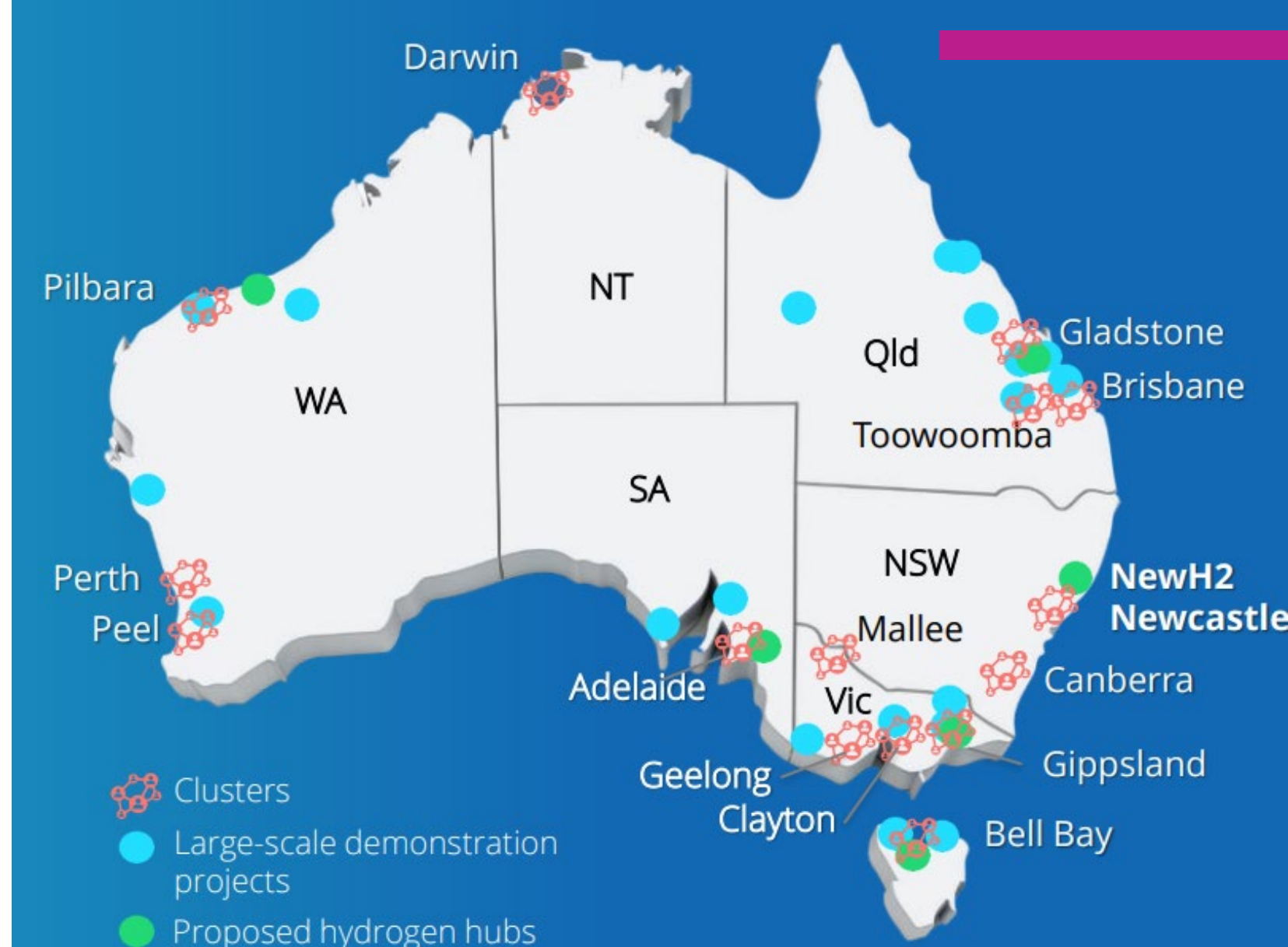
Skills and Reg Webinar – In Partnership with Smart Energy Council

3 November 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-and related technology and expertise

2-WAY ENGAGEMENT MODEL



- The framework for industry and research to participate
- The setting to showcase
- 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



KNOWLEDGE



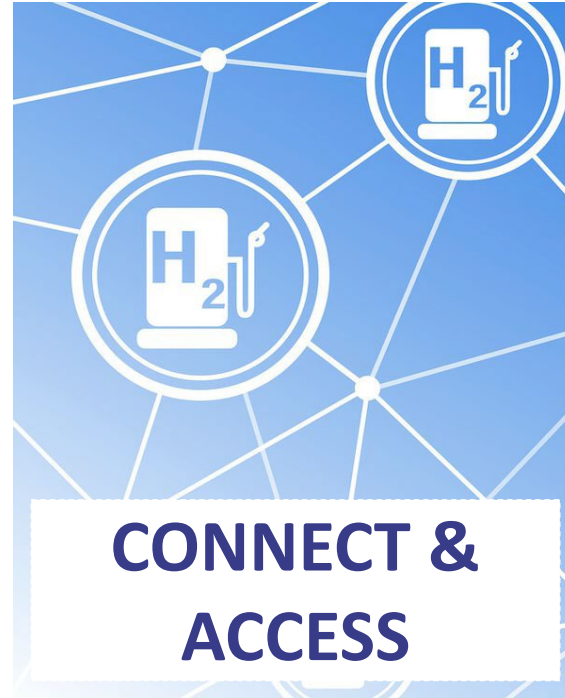
SKILLS



**RESEARCH &
INNOVATION**



**PROJECTS &
INVESTMENT**



**CONNECT &
ACCESS**



**NATIONAL &
H2TCA**

Skills & Reg Delivery Categories



SKILLS

**WORKFORCE
& SKILLS**

**DEMO &
TESTING**


STANDARDS




REGULATION

**EMERGENCY
RESPONSE**

Provide guidance to NewH2 to shape a Skills delivery program that will benefit industry in the region

Website – Join us



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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

INDUSTRY PARTNERS





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

20th June 2021

NewH2 News, Policy and Legislation

SUBSCRIBE TO OUR NEWSLETTER

Stay informed of opportunities.

SUBSCRIBE

Group of industry associations, businesses, and universities in the Hunter region of Newcastle with networks through the

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LARGE-SCALE INDUSTRY AND HUBS

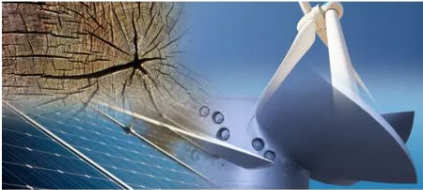
Share capabilities. Share project activities and provide updates. Communicate how to engage and leverage research. Supply chain access opportunities.

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.



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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CLOSE & THANKYOU
www.newh2.net.au

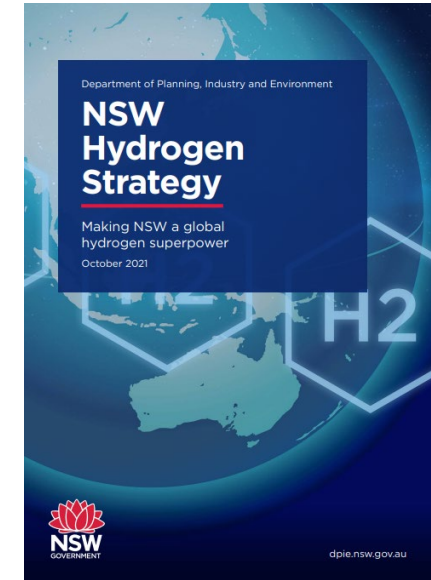
Clare Sykes - Cluster Manager

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Recent Updates

- NSW Government – Hydrogen Strategy
- Federal and NSW Hydrogen Hubs
- New Low Carbon Industry Foundations CMP decarbonisation roadmaps – EOI
- \$40 million commitment to a Clean Technology Innovation R&D Grants
- Decarbonisation Innovation Hub – Powerfuels and Hydrogen Network
- DISER / ARUP - barriers and opportunities to support the development of new energy industrial hubs



NewH2 - UPCOMING ENGAGEMENTS

- Knowledge Exchange - monthly
- Skills Forums monthly, commenced with roundtable Sept 16, Nov 3 (ACT refueling & Smart Energy Council), planned site tours 2022
- Hunter Hydrogen Conference – 1H 2022 Nov
- O2N – Resources, Energy and Industry innovation Forum, Dubbo – Feb 16/17 2022
- Next newsletter out early Nov
- Developing program for next year – be in touch if you have any news or an interest in being part of the events / workshops



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THANK YOU

www.newh2.net.au

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