



Proponent The Hydrogen Society of Australia, WA Chapter
Contact Dr Furat Dawood, Chair WA Chapter
Date 25 June, 2024

Acknowledgement

We are proud to acknowledge the Whadjuk people of the Noongar Nation as the Traditional Custodians of the land. We pay respects to Elders, Past and Present and the wider Noongar Community.

Proposal for recognition of the 8th of October as Western Australia Hydrogen Day

Proponent: The Hydrogen Society of Australia, WA Chapter.

Date: 1st September 2024

Objective: To solicit the Western Australian Legislative Assembly's support and consideration of our proposal to designate the 8th of October as the Western Australia Hydrogen Day.

BACKGROUND:

Hydrogen, as an energy carrier, plays a vital role in the transition to net zero emissions due to the merits of integrability with the existing energy systems, storability, scalability, and ability to store energy for a long discharge duration ¹. Green hydrogen is explicitly recognised as a crucial solution for industries that are difficult to decarbonise, such as steel production, chemical manufacturing, and heavy transportation. These sectors traditionally rely on fossil fuels, making their carbon emissions particularly challenging to reduce. Green hydrogen, produced using renewable energy sources, offers a sustainable alternative by enabling these industries to significantly cut their carbon footprint, thereby playing a pivotal role in the global transition to a low-carbon economy.

The vast renewable resources and strategic position in the Asia-Pacific region position Australia as a potential global leader in transitioning to a net zero emissions economy ². The rapid advancement of hydrogen technologies offers immense potential for Australia regarding economic growth, energy security, and environmental sustainability ³. Western Australia (WA) possesses features that offer a decisive edge in the expanding global renewable hydrogen market, including top-tier renewable energy resources, an extensive land area, robust energy infrastructure, and a distinguished history of energy exports to international markets ⁴.

The USA National Hydrogen and Fuel Cell Day was created by the Fuel Cell and Hydrogen Energy Association ([FCHEA](#)) in 2015. This day is celebrated in the United States to help raise awareness of fuel cell and hydrogen technologies. The United States Senate passed Senate [Resolution 720](#), declaring the 8th of October 2020 as the [National Hydrogen and Fuel Cell Day for the United States](#). The 8th of October was chosen in reference to the atomic weight of hydrogen (10.08).

The Hydrogen Society of Australia ([HSA](#)) and [H2E Group](#) have brought and celebrated this event in Western Australia on the 8th of October 2019 as the first [National Hydrogen Day in Australia](#), with the support of the [FCHEA](#). The following yearly events brought in enormous support from the WA Government, industries, universities, and the public. The HSA will celebrate the sixth Hydrogen Day in Australia on the 8th of October 2024 with the aim of

¹ Murdoch University – Renewable Energy Standalone Microgrid Feasibility Study - Public Knowledge Sharing Report, WA Government-DJTSI, 25 August 2023: Available at [LINK](#)

² Ross Garnaut, Superpower, La Trobe, 2019

³ Bruce S, Temminghoff M, Hayward J, Schmidt E, Munnings C, Palfreyman D, Hartley P (2018) National Hydrogen Roadmap. CSIRO, Australia: Available at [LINK](#)

⁴ Western Australian Renewable Hydrogen Strategy and Roadmap, Government of Western Australia [website](#), 2024.



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getting your support to submit a proposal for The Western Australian Legislative Assembly to adopt a resolution to recognise the 8th of October as the WA Hydrogen Day. Recognising the importance of the hydrogen role in WA in the transition to net zero emissions, we propose that the Western Australian Legislative Assembly officially designates the 8th of October as Western Australia Hydrogen Day. This day would highlight the significance of hydrogen in our energy mix, promote public awareness, and support the growing hydrogen industry in Australia.

RATIONALE:

The primary objective of WA Hydrogen Day is to acknowledge and celebrate the role of hydrogen in achieving Australia's clean energy goals. This recognition will:

1. Raise public awareness about the benefits and potential of hydrogen energy.
2. Emphasis on the WA leadership in advancing the hydrogen economy nationally and globally.
3. Encourage investment and innovation in the hydrogen sector.
4. Foster educational initiatives to build a skilled workforce for the hydrogen economy.
5. Promote collaboration between government, industry, and research institutions.

Proposed Activities for Australia Hydrogen Day 2024:

1. **Public Engagement Events:** Organise public events at Murdoch University, including presentations from the WA Government, the Parliamentary Friends for Clean Energy, hydrogen industry leaders and interactive exhibitions, to engage and educate the community.
2. **Educational Campaigns:** Launch educational initiatives such as students' poster competitions with prizes for the top three posters. This informs students, as the future hydrogen industry workforce, about hydrogen technology and its benefits.
3. **Academic-Industry talks:** Bring together stakeholders from government, industry, and academia to discuss advancements, challenges, and opportunities in the hydrogen sector.
4. **Media Outreach:** Leverage media platforms to disseminate information about hydrogen technologies, success stories, and ongoing projects.
5. **Policy Discussions:** Facilitate roundtable discussions with policymakers to explore supportive policies and regulatory frameworks that can accelerate the growth of the hydrogen economy.

RECOMMENDATION:

Designating the 8th of October as Western Australia Hydrogen Day is a strategic move to bolster the hydrogen sector's visibility and support in WA and nationwide. It aligns with our commitment to a sustainable and prosperous future, leveraging hydrogen's potential to drive economic growth, energy security, and environmental stewardship. We urge the Western Australian Legislative Assembly to adopt this proposal and lead the way in recognising and promoting hydrogen as a cornerstone of our clean energy future.



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Contact Information:

On behalf of the Hydrogen Society of Australia,
Dr Furat Dawood, Chair WA Chapter
email: Furat.Dawood@hydrogensociety.org.au

Endorsements:



[List of individuals from WA]

This list will be attached to the final proposal to be submitted to The Western Australian Legislative Assembly representative during the Hydrogen Day event.