



International Partnership
for Hydrogen and Fuel Cells
in the Economy

Australia Update

43rd IPHE Steering Committee Meeting
10-11 June 2025
Santiago, Chile

Announcements / New Initiatives *Australia*

- **Investments/Funding/Policies/Initiatives**

- **2024 National Hydrogen Strategy** – released September 2024
- **Guarantee of Origin Scheme** – Legislated
- **Hydrogen Headstart Program** – Additional funding committed and awarding of funding for the first project
- **First Nations Renewable Hydrogen Engagement Fund** – up to \$4 million to support capacity for engagement
- **Building regional hydrogen hubs** – around \$500 million to support the development of hydrogen hubs in regional Australia
- **Hydrogen Production Tax Incentive** – legislated \$2 for each kilogram of eligible renewable hydrogen produced

- **New Research & Development, Demonstration and/or Deployment Activities**

- **Future Made in Australia Innovation Fund** - \$1.5 billion to support pre-commercial innovation, demonstration and deployment of renewable energy and low emission technologies.
- **Murchison Green Hydrogen (MGH) Project** - \$814 million in operating support for 1,500 MW renewable ammonia project through Hydrogen Headstart
- **National Hydrogen Technology Skills Training Centre** - \$10 million to promote hydrogen workforce development

The Guarantee of Origin (GO) scheme



- In November 2024, the Australian Government established the GO scheme through the Future Made in Australia (GO) Act 2024.
- The GO scheme is a voluntary emissions accounting and verification framework for low emission industries and renewable energy.
 - The GO scheme will certify the emissions associated with the production of key commodities and other attributes rather than branding or certifying against a particular standard.
- The GO scheme will start in the second half of 2025 with emission accounting methodology for hydrogen from electrolyzers and will then expand to include other methodologies such as low carbon liquid fuels and green metals.
 - The GO scheme will underpin eligibility for the Hydrogen Production Tax Incentive.



Announcements / New Initiatives *Australia*

• Key Partnerships and Collaborations

- **Australia-Germany Energy and Climate Partnership, including collaboration on H2Global** - cooperation on new green hydrogen supply chains through a \$660 million (€400 million) H2Global funding window.
- **Australia-UK Climate and Energy Partnership, and the Australia-UK Renewable Hydrogen Innovation Partnership Program** – supports research, development and demonstration of renewable hydrogen technologies, with \$10 million in funding available from Australian projects over two years.
- **India-Australia Renewable Energy Partnership** – the establishment of a Green Hydrogen Taskforce to study opportunities for collaboration.
- **Australia-Republic of Korea Green Economy Partnership Arrangement on Climate and Energy** - supports a range of measures for bilateral cooperation on hydrogen.
- **Australia-Netherlands MOU to promote clean energy supply chains on green hydrogen** – supports the development of a renewable hydrogen supply chain from Australia to Europe.

Examples of Lessons Learned and Impact *Australia*

Program initiative, policy, regulation or mandate	Lessons Learned/Outcomes
Australian National Hydrogen Strategy	<ul style="list-style-type: none"> Provides the framework to guide Australia's production, use and export of hydrogen. This will position Australia to become a global hydrogen leader. Identification of prospective sectors.
Hydrogen Financing Mechanisms	<ul style="list-style-type: none"> Support is designed to bridge the commercial gap for early mover projects Support provided for innovative projects through targeted production contracts (Hydrogen Headstart), and a \$2/kg production credit for early movers through the tax system (Hydrogen Production Tax Incentive)
Guarantee of Origin Scheme	<ul style="list-style-type: none"> The Australian government has passed the Future Made in Australia (Guarantee of Origin) Act 2024.

Australia – Profile June 2025

Status of Deployments

50 different companies involved in developing 92 hydrogen projects in Australia's project pipeline

Notable projects:

- South Australia's Hydrogen Park (1.25 MW) largest operating electrolyser
- Murchison Green Hydrogen (MGH) Project in Western Australia (1.5GW)
- Yuri Green Ammonia Project Australia's (10 MW)
- Australian Renewable Energy Hub (26GW)

Leading Government Initiatives

- 2024 National Hydrogen Strategy Hydrogen Headstart Program
- First Nations Renewable Hydrogen Engagement Fund
- Hydrogen Production Tax Incentive
- Guarantee of Origin scheme
- National Hydrogen Regulatory Guidebooks
- Regional Hydrogen Hubs
- H2 Global
- Future Made in Australia

Deployment Goals

- The 2024 Strategy sets a national hydrogen production target of 15 million tonnes by 2050, supported by 5 yearly milestones.

Goals or Focus Areas

- Ammonia
- Green Metals
- Long Haul Transport

Funding

Various programs and mechanisms (see initiatives)

Thank you



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