



International Partnership
for Hydrogen and Fuel Cells
in the Economy

Australia Update

39th IPHE Steering Committee Meeting
26 – 27 April 2023
Pretoria, South Africa

Announcements / New Initiatives *Australia*

- **Announced a refresh of our National Hydrogen Strategy**
 - **Backed by findings in our 2022 State of Hydrogen Report on the need to consider global developments since the original strategy was released**
- **Completed the initial phase of our National Hydrogen Regulatory Review**
 - **This will be followed up with the deliver of Australia's National Hydrogen Codes of Practice across five priority areas**
- **Consulted on the design of our Guarantee of Origin scheme**
- **Provided over \$500 million for the Regional Hydrogen Hubs Program**
- **Entered into new international partnerships with the Netherlands and announced new funding under the German-Australian Hydrogen Accord**
- **Released the first National Hydrogen Infrastructure Assessment**

Examples of Lessons Learned and Impact *Australia*

Program initiative, policy, regulation or mandate	Lessons Learned/Outcomes
<p>National Hydrogen Regulatory Review:</p> <ul style="list-style-type: none"> Involved the Commonwealth, states and territories reviewing their existing legislation, regulations, and standards to determine whether these legal frameworks support hydrogen safety and the development of the hydrogen industry. 	<ul style="list-style-type: none"> This comprehensive review provided the ability to fully understand the framework and identify efficient and high impact regulatory pathways to support industry
<p>Australia’s Guarantee of Origin scheme trial:</p> <ul style="list-style-type: none"> Worked with 19 operational and well-advanced hydrogen (and derivative) production facilities Tested IPHE methodologies applied in an Australian context. 	<ul style="list-style-type: none"> Our approach to co-design our GO scheme with industry provides assurance the scheme is balanced between integrity, accuracy and practicality. Some initial views suggest that there is need for more simplicity in approaches to measure and report emissions outside of the production facility (upstream and downstream emissions)



Australia – Profile April 2023

Status of Deployments

- Pipeline of over 100 projects representing investment of AUD \$230-300 billion
- Pipeline represents 40% of all global renewable hydrogen projects announced to date
- More than 20 projects operational or reached FID – only 1 project at 10MW has reached FID
- 11 gigawatt scale projects announced

Leading Government Initiatives

- Development of a Guarantee of Origin scheme is well advanced
- Over \$500 million announced for hydrogen hubs
- Completed National Hydrogen Regulatory Review and announced the development of ‘National Hydrogen Codes of Practice’
- Refresh of National Hydrogen Strategy

Goals or Focus Areas

- To be considered through refresh of National Hydrogen Strategy

Deployment Goals

- To be considered through refresh of National Hydrogen Strategy

Funding

- \$6.3 billion of hydrogen specific funding committed by Australian Governments as at December 2022.

Thank you



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