



Australian Government

Department of Climate Change, Energy,
the Environment and Water

DCCEEW Hydrogen update

Australian Hydrogen Council
AGM

26 September 2023



Items to cover

- Update on National Hydrogen Strategy Review
- Update on Hydrogen Headstart
- Co-Design workshops for the National Codes of Best Practice
- Consultation on the Guarantee of Origin scheme

National Hydrogen Strategy Review

- Australia's existing National Hydrogen Strategy set a vision for a clean, innovative, safe and competitive hydrogen industry that benefits all Australians.
- The Australian Government is currently leading a review the Strategy to take into account how technologies and markets have evolved since 2019.
- An issues paper was released in July, more than 100 written submissions in response.
- We are working through the submissions and undertaking additional analysis to inform the development of the revised strategy.

Hydrogen Headstart Program

- \$2 billion program announced in this years' federal budget
- Hydrogen Headstart will provide revenue support for large-scale renewable hydrogen projects through competitive hydrogen production credits to bridge the commercial gap between the cost of production and the market price.
- The Program will use a competitive process to select at least two large-scale, Australian-based projects producing either hydrogen or hydrogen derivative products, made with renewable energy.
- We recently consulted on the design and received over 110 submissions, along with over 400 participants in workshops.
- Early signs indicate that respondents were broadly happy with the proposed Program design.
- DCCEEW is working with ARENA on the final the design of the program.

National Hydrogen Regulatory Review

Codes of best practice development

- In late 2022, all Australian governments completed a coordinated review of legislation regulating the hydrogen supply chain. This review identified a number of regulatory barriers impeding the development of the hydrogen industry.

These included:

- Lack of transparency over what regulation applies to hydrogen projects.
 - Uncertainty on how to meet regulatory obligations.
 - Inconsistent regulation of hydrogen projects between different states and territories.
- These regulatory barriers create additional costs, delaying project operationalisation, reducing the effectiveness of regulation, and ultimately reduce safety in developing hydrogen and ammonia projects.
 - To facilitate the resolution of these barriers and support the development of the hydrogen industry, National Hydrogen Codes of Best Practice are now being developed, commencing with co-design workshops with industry and regulators.

National Hydrogen Regulatory Review

Codes of best practice development

To register for participation in one of the workshops please email:
nationalhydrogenregulatoryreview@dcceew.gov.au

Workshop locations and dates

Sydney Level 1, 231 Elizabeth St, Sydney, NSW, 2000	Friday 13 October 2023
Brisbane Royal on the Park Hotel, 152 Alice St, Brisbane City, QLD, 4000.	Wednesday 18 October 2023
Adelaide South Australia Drill Core Reference Library 5 Tonsley Blvd, Tonsley SA 5042	Wednesday 25 October 2023
Online	Online only roundtable dates will be announced following finalisation of registration for face to face roundtables. We expect this to be before the end of September and dates to be scheduled for early November.

Guarantee of Origin (GO) Consultation package

- 📄 **Australia's Guarantee of Origin Scheme Design Paper** – what participants can expect from the GO Scheme
- 📄 **Emissions Accounting Approach Paper** – how emissions will be estimated for Product GO Certificates
 - GO Emissions Calculator** – a practical illustration of emissions accounting framework
- 📄 **Renewable Electricity GO Approach Paper** – updates on the development of the REGO scheme

Package includes four survey forms

- Scheme design Survey – **Closes 17 October**
- REGO survey – **Closes 17 October**
- Emissions accounting approach survey – **Closes 14 November**
- Product expansion and prioritisation survey – **Closes 14 November**

The scheme design paper

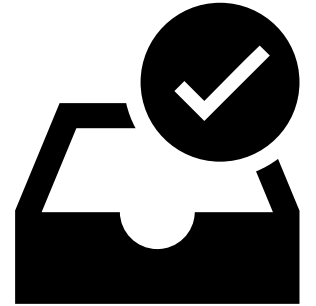
- **Scheme enrolment and registration**

- Enrolment of participants - Prospective participants provide identifying information + fit and proper person check.
- Profile registration - including production, post-production, consumption (upfront reporting).
- CER Assessment process
- Ongoing participant obligations

- **GO Certificate Lifecycle**

- Certificate creations
- Certificate consumption – process of claiming the attributes of a product
- Annual reconciliation checks and error corrections

- **Data sharing provisions**



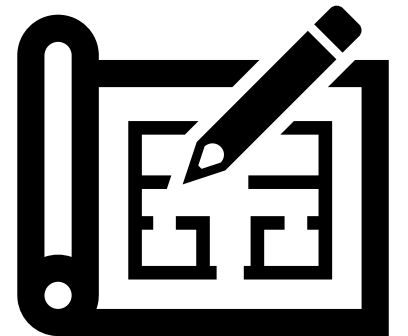
Prioritising new products in the GO scheme



- Paper outlines an ongoing prioritisation and method development process to add new products to the scheme. This includes:
 - Development of an annual product prioritisation list.
 - Methodology development, implementation and governance.

Emissions Accounting Approach

- **Emissions accounting scope** – defining the system boundary - the processes and emissions that are covered by the scheme
- **Emissions intensity** – how emissions intensity is calculated in the scheme, including losses
- **Estimating emissions** from various sources, how emissions are allocated to co-products, accounting for CCS, accounting for transport and storage emissions
- **Measurement methods and data sources**



Renewable Electricity Guarantee of Origin

- Presents further detail on the REGO scheme including below-baseline generation, small-scale generation and electricity storage
- REGO is important for ensuring there is an enduring mechanism for providing transparent and trusted information about renewable electricity generation and consumption
- Proposes flexibility be built in to respond to policy and market developments, such as time-matched demand or additional certificate data.

Workshops and next steps

- Pre-recorded Webinars published on scheme design and emissions accounting papers'
- Series of workshops:
 - **Scheme design paper** – Friday 29 September 10.30-11.30am
 - **Emissions Accounting approach** – Wednesday 11 October 10.30-11.10am
 - **Renewable Guarantee of Origin** – Thursday 12 October 1.00-2.00pm
- It is anticipated that legislation will be in place in 2024.



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Contact us

Guarantee of Origin and Trade section

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