



International Partnership
for Hydrogen and Fuel Cells
in the Economy

Chile Update

35th IPHE Steering Committee Meeting

22 – 23 June 2021

Virtual Meeting

Announcements / New Initiatives *Chile*

- **First call for financing green hydrogen projects:** A funding round was launched in April to allocate up to US\$50M in grants for 10+ MW electrolyzer deployment. Applications open until September. ([link](#))
- **Clean Technologies Institute:** A US\$265M (US\$143M public + US\$122M private) open innovation platform for new clean energy and mining technologies was awarded to a consortium led by Associated Universities Inc. This is the largest R&D&I investment in Chile's history. Green H₂ will be a priority area.
- **International collaboration:** MoUs were signed with Singapore and Port of Rotterdam to promote the development of overseas export-import. MI2 Clean Hydrogen Mission launched with 3 co-leads.
- **Fast-track piloting:** 3 guides were published for piloting hydrogen technologies in (i) production and supply chain, (ii) transport, and (iii) mining sectors, with streamlined approval processes.
- **Energy Efficiency Law:** New EE Law defines H₂ as an energy carrier and creates an energy efficiency standard (equivalent to a low emissions standard) for new vehicles imported to Chile. Hydrogen vehicles (light, medium and heavy) count x3 in each importer's portfolio. An accelerated depreciation period of 1 year for hydrogen vehicles was also put in place.

Chile – Profile June 2021

Status of Deployments

Haru Oni, a 3-MW synthetic gasoline from green hydrogen project received environmental approval and should begin exports to Germany in 2022.

8 large-scale (1+GW) export projects are under development and have land secured, feasibility completed, and/or offtakers secured. 3 more are less developed.

An “H2 Accelerator” launched by the Ministry received **29** applications from companies willing to **use hydrogen** in their processes.

Leading Government Initiatives

Under development:

- Green Hydrogen Law Bill to be entered into Congress this year to (i) mandate quotas of green H2 in gas grids, (ii) allow the National Oil Company to do hydrogen investments, (iii) give legal for to the H2 Strategy.
- A “Tributary instrument Strategy for the energy transition” will be agreed and published this year to set the road forward on carbon and fuel taxes, among others.
- A public-private agreement for green H2 use in the mining sector is being discussed.

Goals or Focus Areas

6 prioritized domestic areas:

- Oil refineries (green for grey H2)
- Local green ammonia production
- Blending into residential gas grids
- Mining haul trucks
- Heavy-duty on-road trucks
- Long autonomy buses

Also, **export** to East Asia, North America, and Europe through **large-scale consortiums**.

Deployment Goals

5 GW of electrolyzer capacity with committed investment by 2025. **US\$2.5B** exports (H2&derivates) by 2030.

Funding

US\$50M in grants for 2021
US\$143M for R&D in clean tech
 Budget for 2022 under discussion.



Thank you



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