



International Partnership
for Hydrogen and Fuel Cells
in the Economy

***Costa Rica* Update**

36th IPHE Steering Committee Meeting

16 – 17 November 2021

Virtual Meeting

Announcements / New Initiatives *Costa Rica*

- Final version of market study of green H₂ delivered; Study done with Inter-American Development Bank funding. This is main input for the National Green Hydrogen Strategy.
- The list of assets exempted by Law 7447 Regulation of the Rational Use of Energy was updated, including H₂ related equipment (Decree N°43095, November, 11th 2021).
- Costa Rica is selected to move forward in the process to obtain funding for a project on green hydrogen to decarbonize the economy (Nationally Appropriate Mitigation Action (NAMA) Facility), in transport and industry.
- National Committee for H₂ Technical Standards remains active, approved INTE/ISO 19880-3 Gaseous hydrogen. Refueling stations. Part 3: Valves; INTE/ISO 19880-5 Hydrogen gas. Refueling stations. Part 5: Distribution hoses and hose assemblies; INTE/ISO 19880-8 Hydrogen gas. Fueling stations. Part 8: Quality control of hydrogen.

Examples of Lessons Learned and Impact *Costa Rica*

Program initiative, policy, regulation or mandate	Lessons Learned/Outcomes
Law 8518. Incentives and promotion of electric transport	<ul style="list-style-type: none"> The incentive scheme has had an impact only on private vehicles. The design of incentives should be in accordance with what is to be promoted (buses, cargo transportation, for example). The deadlines for incentives should be carefully reviewed. An update of the law is currently under review.



Costa Rica – Profile November 2021

Status of Deployments



First ever H70 refueling of a FCEV in Latin America, July 22, 2021.



First ever H70 full range test (520 km) of a FCEV in Latin America, July 27, 2021.

Leading Government Initiatives

- IDB Funding for the development of National Hydrogen Strategy secured. The process for contracting the consultant firm started.
- Tax incentive H₂ bill under discussion in Costa Rican Congress.

Goals or Focus Areas

- Development of National Hydrogen Strategy.
- Green H₂ as ideal complement to green electric grid.
- Continued development of local know-how and skills.
- Development of national technical standards.

Deployment Goals

- Expansion of pilot Hydrogen Ecosystem to at least 10x capacity (20 kg H₂/day).

Funding

Investment of at least ~\$2M required for H₂ Ecosystem expansion.

Thank you



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