



International Partnership
for Hydrogen and Fuel Cells
in the Economy

Costa Rica Update

37th IPHE Steering Committee Meeting
26 – 27 April 2022
Virtual Meeting

Announcements / New Initiatives **Costa Rica**

• **Investments/Funding/Policies/Initiatives**

- Publication of the “Policy for the use of surplus renewable electricity for the development of a Green H2 economy” (Dec 2021).
- Development of National Green Hydrogen Strategy in progress (started Jan 2022, expected Sept 2022).
- Green H2 incentive bill approved by Congress in first debate on Apr 22, final approval expected by Apr 28.
- The Project "Green Hydrogen for a Decarbonized Economy in Costa Rica" presented for funding to the National Appropriate Mitigation Action (NAMA) Facility was approved (EUR 25 000 000 requested) The Detailed Preparation Phase (DPP) started on Apr 2022. EUR 300k allocated by NAMA for DPP phase.

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

- Liberia Ecosystem to be expanded to 1 MW GH2 production in early 2024.
- Potential foreign investors have approached the country's public and private sectors to evaluate GH2 projects.

• **Key Collaborations**

- IDB supporting development of National Green Hydrogen Strategy with funding from the Government of Japan.
- GIZ coordinating NAMA Green H2 project. IFC (World Bank) and CR private sector involved.

Examples of Lessons Learned and Impact **Costa Rica**

Program initiative, policy, regulation or mandate	Lessons Learned/Outcomes
NAMA Support Project "Green Hydrogen for a Decarbonized Economy in Costa Rica"	<ul style="list-style-type: none"> Costa Rica's decarbonization goals are focused on the transportation sector as the main emitter of GHGs; yet the role of GH2 in electric transportation among is still misunderstood even among international funding agencies.
Green H2 incentive bill approved by Congress	<ul style="list-style-type: none"> Green hydrogen and decarbonization can be topics with multi-partisan support. This bill was promoted and endorsed by parties currently in opposition.
Much interest in GH scaling up	<ul style="list-style-type: none"> Hardware delivery still subject to extremely long lead times Fragile and very sensitive to crippling supply chain issues Maintenance capability and local training are critical.
Existing small-scale hydrogen transportation pilot project	<ul style="list-style-type: none"> Pilot projects, regardless of their scale, help to develop skills, know-how and international credibility.

Costa Rica – Profile April 2022

Status of Deployments

- Pilot GH2 Ecosystem in regular operation. H70 and H35 service fully functional.



Leading Government Initiatives

- National Green Hydrogen Strategy
- Policy for the use of surplus renewable electricity for the development of a Green H2 economy ; seeks to create special electricity tariffs for H2 production.



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.
- NAMA Green H2 Support Project.

Deployment Goals

- Liberia Ecosystem to be expanded to 1 MW GH2 production in early 2024 including new fleet of buses, MD trucks and FCEVs.
- NAMA GH2 project includes pilot project related to MD transportation and industrial consumption.

Funding

- ~\$6M of private equity and blended finance allocated for Liberia Ecosystem expansion.

Thank you



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