



GREEN HYDROGEN COALITION

**The only organization dedicated to
deploying green hydrogen at scale
for multi-sectoral decarbonization**

EDUCATION • COALITION BUILDING • MARKET DEVELOPMENT

WWW.GHCOALITION.ORG

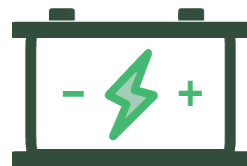
Green hydrogen is taking off

Green hydrogen is a game changer for our economy and planet.

Green hydrogen is an abundant, carbon-free, and safe energy carrier that can be produced from renewable electricity and water or organic waste. It can be used as a carbon-free fuel and can provide long-duration seasonal energy storage. When used as an alternative to fossil fuels, green hydrogen can support deep decarbonization of hard-to-abate sectors and can enable the repurposing of valuable existing infrastructure for an affordable, responsible energy transition. By leveraging carbon-free green hydrogen, we can transform how we power our world and create vibrant clean energy economies with sustainable local jobs.



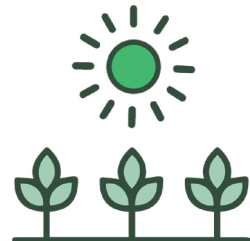
POWER



ENERGY STORAGE



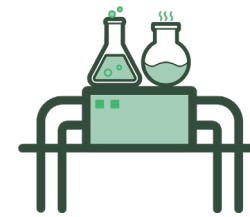
TRANSPORT



AGRICULTURE



MINING



HIGH-HEAT INDUSTRIAL APPLICATIONS

The Green Hydrogen Coalition (GHC) is the only 501(c)(3) educational nonprofit focused on advancing green hydrogen adoption at scale to accelerate the transition to a carbon-free energy system.



GREEN HYDROGEN COALITION BOARD OF DIRECTORS



Jonathan Birdsong

Board Chair

Director of Western Regional Office,
National Fish and Wildlife Foundation



Gregory DePasquale

Board Treasurer

Former Senior Vice President and
Chief Legal Officer, Copart, Inc.



Grace Tsai

Board Secretary

Executive Director,
Dragon Kim Foundation



Thierry Lepercq

Founder & President,
HyDeal



Don Liddell

Founder and Partner,
Douglass, Liddell, & Klatt



Janice Lin

Founder & President,
Green Hydrogen Coalition



Lacy McManus

Executive Director,
Future Energy Greater
New Orleans, Inc.



Denita Willoughby

CEO,
Big Energy Group

Green hydrogen faces barriers that we can overcome

The GHC's initiatives and efforts are designed to overcome four major barriers:



Limited awareness of green hydrogen's value streams



Need for leadership, focus & alignment



Decoupled gas & electricity sector planning



Comprehensively valuing all of green hydrogen's benefits, not just costs

We know from decades of experience that renewable energy technology costs fall precipitously with scale. Our organization is laser-focused on accelerating the adoption of green hydrogen so it can compete on price with gray hydrogen and conventional energy sources by 2030. With scale, green hydrogen is on the trajectory to achieve low cost.

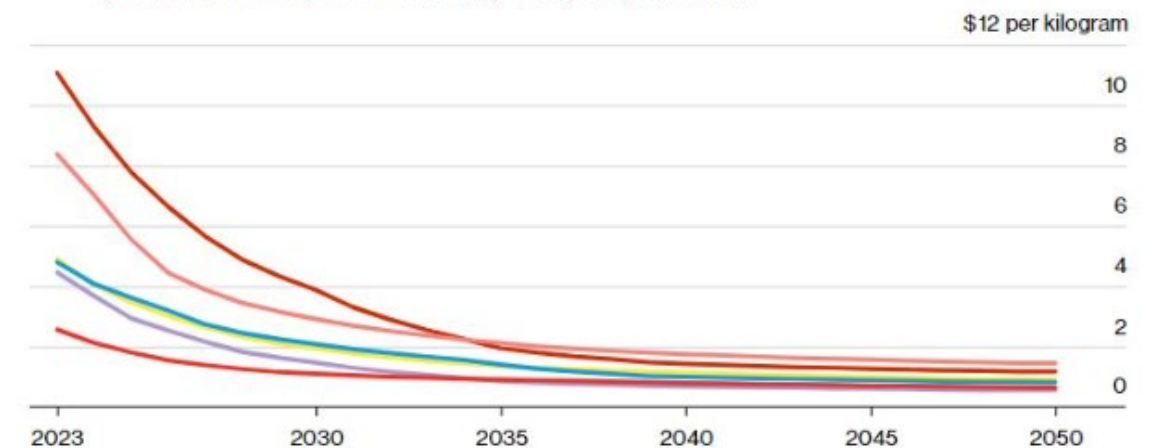
Clean Energy Technology Costs Decline with Scale

Levelized cost of hydrogen production from renewable electricity, 2023-2050

Cheaper Renewables and Electrolyzers Will Cut Cost of Green H2

Levelized cost of hydrogen production from renewables, 2023-2050

China Brazil US Germany Japan Indonesia



Note: Assumes BloombergNEF's optimistic alkaline electrolyzer cost scenario (Chinese in China, Western-made elsewhere). Costs are shown by project financing year. Data for all 28 markets can be found in BloombergNEF's 2023 Levelized Cost of Hydrogen Update.

Source: BloombergNEF

GHC's core organizational efforts are designed to overcome these barriers

Education

Build green hydrogen knowledge and consensus

Green Hydrogen Education and Outreach

One of the biggest barriers to advancing green hydrogen at scale are misconceptions about green hydrogen production, transport, storage and use. To rectify misconceptions and foster greater stakeholder alignment to co-create our green hydrogen economy, the GHC has recently developed a consumer-facing website that explains the “why” and “how” of green hydrogen in a way that a non-technical audience can understand. The website is now publicly available and serves as the cornerstone of a broader national education and engagement strategy.

Additional educational work includes:

- Presented free, original webinars on a variety of green hydrogen topics to 5,000+ participants
- Published the 2nd edition of the Green Hydrogen Guidebook
- Delivered technical workshop to 100+ LADWP engineering and operations staff on the conversion at Intermountain Power Project

Thought Leadership

- 100+ US & global speaking engagements
- Featured in: Los Angeles Times, Utility Dive, S&P Global Market Intelligence, Reuters, and E&E News

Coalition Building

Align stakeholders around landmark capital and infrastructure projects

The GHC Launches Greater International Collaboration through the U.S.-Denmark Green Hydrogen Alliance Collaboration

In late 2022, the GHC formed the US-DK Green Hydrogen Alliance alongside the Trade Council of Denmark in North America, 15 leading Danish companies and other key stakeholders with the goal of fostering a green hydrogen economy and strategic energy transition collaboration on both sides of the Atlantic. In 2023, the GHC helped to organize an energy transition delegation composed of policy makers from across the U.S. to participate in a week-long fact-finding trip in Denmark geared toward fostering information exchange and collaboration.

Convenings

- Annual Catalyst H2™ immersive convening event featuring 80+ speakers and +400 attendees
- Quarterly Western Green Hydrogen Initiative Workshops with 70+ policy leaders from 14 states and two Canadian provinces, utilities, developers, U.S. DOE, and more

Market Development

Develop the policies, rules, and practices to advance the production and use of green hydrogen

Policy and Regulatory Intervention

To date, GHC experts have submitted 133+ regulatory filings to drive the market for green hydrogen, covering topics from pipeline injection standards to utilizing hydrogen for reliability and community resiliency. The GHC is actively tracking federal legislation and in several U.S. states.

Consensus Building

GHC successfully engages with key governmental and NGO bodies to create widely-accepted legal, regulatory and market frameworks – such as a common definition for green hydrogen. From state regulatory and energy agencies, to state legislatures, to interstate organizing bodies, to environmental groups, to the U.S. DOE and national labs, the GHC drives consensus that will accelerate deployment and commercialization of green hydrogen at scale.

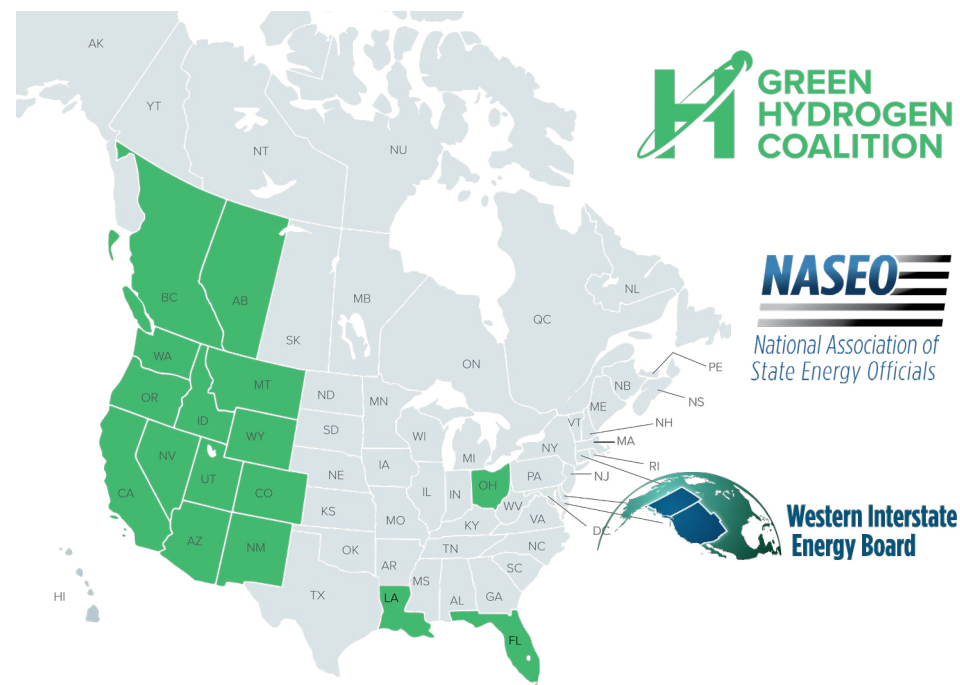
Digital Engagement

- 4,300+ Green Hydrogen Guidebook downloads
- 27,400+ LinkedIn followers
- 6,900+ newsletter recipients
- 65,700+ website visitors since 2021

Our game-changing initiatives focus on policy and market development efforts that together will drive North America's green hydrogen market

WESTERN GREEN HYDROGEN INITIATIVE

WGHI is a state-led initiative to support the development of regional regulatory, policy, and commercialization roadmaps that will advance regional green hydrogen projects and ecosystem at scale.



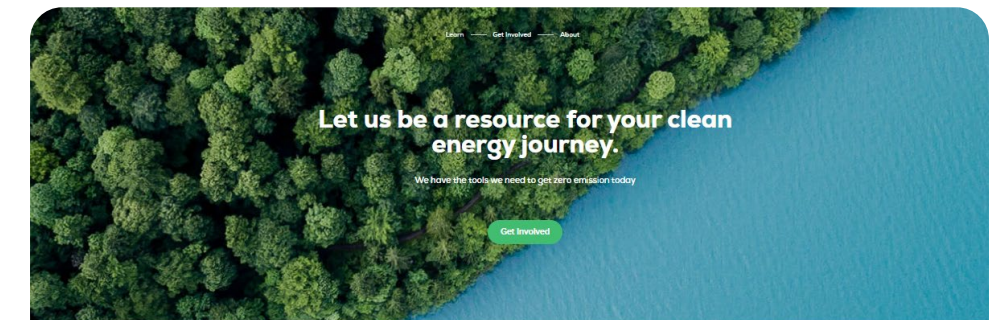
HYBUILD™ NORTH AMERICA

HyBuild™ North America develops high-volume supply chains to achieve under \$2/kg delivered green hydrogen costs in strategically targeted locations. The GHC has three HyBuild™ initiatives: Los Angeles, Carolinas, and the Contracts Workstream.



CONSUMER EDUCATION INITIATIVE

The Consumer Education Initiative aims to provide accessible, credibly sourced information to the public about the benefits of green hydrogen and dispel misconceptions. This is a national effort, with an initial focus on Los Angeles.



As an educational nonprofit, the GHC aims to support stakeholders to advance a clean and just energy future. Below, you can find information on frequently asked questions about green hydrogen, its opportunities, and its challenges.

What is green hydrogen?	+
How does green hydrogen support decarbonization?	+
Is green hydrogen safe?	+

Funding GHC is a critical investment to deploying green hydrogen at scale today

Your Donation Will:

- Accelerate the production and use of green hydrogen at scale
- Expedite concurrent multi-sector decarbonization, including: electricity, gas, industrial, agriculture, and transportation
- Educate key stakeholders about the benefits of green hydrogen
- Proactively deliver solutions to combat climate change and expand the potential market applications of renewable energy resources

GHC Core Engagement

	Leadership Circle \$100k	Visionary Circle \$50k	Champion Circle \$25k	Sustainer Circle \$10k	Supporter Circle* \$2.5-7.5k
Access to the Leadership Circle - Scope overall strategy and resolve decisions consistent with GHC's mission and principles	●				
Participate in the Western Green Hydrogen Initiative as an Industry Advisor (includes WGHI Working Groups and Workshops)	●	●			
Access to the Policy Working Group - Receive key updates and provide input on policy and regulatory strategy	●	●	●		
Access to the GHC Donor Portal, Monthly Momentum Call, and Donor Newsletter	●	●	●	●	●
Receive complimentary access to GHC webinars and discounts to partner events	●	●	●	●	●
Gain branding recognition as a GHC Supporter	●	●	●	●	●

* Open to qualifying startups, nonprofits, and government entities

Required Disclosure: The GHC is a public charity exempt under Section 501(c)(3) of the Internal Revenue Code. To the extent a contribution is considered a deductible charitable contribution to the GHC, such contribution will be deductible to the extent the law provides. Each donor's unique tax situation affects the deductibility of its donation, and the GHC encourages each donor to consult their attorney or tax adviser to confirm the deductibility of any donation made. The deductibility of a contribution is limited by the value of goods or services that the GHC provides to the donor in return for the donor's contribution.

Join the Community of GHC Supporters

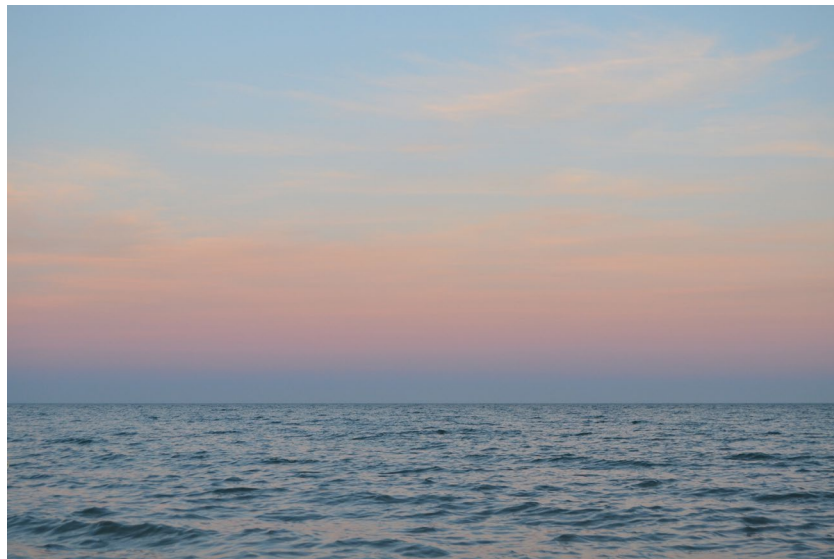


AIRBUS



Get Involved with the GHC Today

FOLLOW US ON SOCIAL MEDIA



[@GHC_hydrogen](https://twitter.com/GHC_hydrogen)



[@green-hydrogen-coalition](https://www.linkedin.com/company/green-hydrogen-coalition)

FUND THE GREEN HYDROGEN COALITION



[EMAIL US](#)

ACCESS OUR EDUCATIONAL RESOURCES

Green Hydrogen Guidebook

[DOWNLOAD](#)

Webinars

[WATCH](#)

GHC Monthly Momentum Newsletter

[SUBSCRIBE](#)

