CHyTAC: Clean Hydrogen Technologies Alignment Cooperative

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CHyTAC Overview

Purpose

To create and maintain an independent forum through which stakeholders across the hydrogen ecosystem will convene to address barriers. determine potential synergies, and collaboratively develop & implement solution strategies necessary to achieve the commercialization of a diverse range of hydrogen technologies within the





Create a community of practice that can endure beyond the scope of this funded initiative.

Mission

1. Coalesce relevant stakeholders across industries, communities, financiers, off-takers, regions, and academia, leveraging the convening capability and unbiased expertise of the DOE National 2. Pacificates discussion about safety, community engagement, technology gap identification and solutions, and best

practices 3. Achieve market liftoff that is supply-chain cognizant to accelerate deployments and decarbonize our economy

Challenges

 ► CHyTAC is working towards address the challenges in the DOE. Hydrogen Liftoff Report and working with the hydrogen community to determine best practices and solutions for the hydrogen economy.



Organization



CHyTAC Structure

N CHyTAC is focused on identifying bottlenecks & adoption barriers, while including various stakeholders of the hydrogen economy, including community members, policy makers, industry members, among others.



Help guide the cooperative and deliver milestones.

Comprises of:

- Co-Pls
- · National Lab POCs
- · Industry Members
- · Community Representatives
- · Technology Transfer & Outreach Committee Chair

Topic Areas Topic Areas are focused on:

- · Hydrogen Production: Electrolysis
- · Hydrogen Production: Non-electrolysis
- · Hydrogen Distribution & Storage
- Hydrogen in Transportation Hydrogen in Derivatives & Transformations
- · Heating, Power and other Industrial Applications

Challenges hindering adoption and deployment:

- · Community acceptance
- · Technology acceptance
- Market acceptance
- · Resource acceptance

Current Participants & Cost-share Partners



CHyTAC Goals and Aims

Major Milestones

Here are examples of milestones CHyTACs is completing over the course of the project

- Develop a Community engagement strategy
- At least four communities in different regions agree to participate as partners in CHyTAC.
- Show consensus of Topic Area adoption recommendations and document areas of dissent.
- Develop action plans based on recommendations in each of the Topic areas
- Develop final recommendation reports from Topic Area leads
- Complete community outreach activities around hydrogen deployments
- Report on CHyTAC process and replicability.
- Transition CHyTAC stewardship to hydrogen industry stakeholders.
- Pathways between disadvantaged communities, industry stakeholders and local authorities established to continue conversation.

How to Contribute

- Participate in one of the six Topic Areas by offering your expertise and insights on barriers and solutions
- Participate in one of five cross-cutting councils to contribute your expertise in financing, community perspective, technology development and/or safety standards and practices.
- Provide your input on the CHyTAC industry landscape analysis for industry/stakeholder feedback
- Respond to the CHyTAC industry survey
- · Subscribe to our newsletter
- Share these resources with anyone who would be interested



How to Participate in CHyTAC

Fill out the interest form on the website and the CHyTAC team will reach out to you with opportunities to get involved.

CleanH2alignment.lbl.gov

To date, CHyTAC

comprises of 216

participants from

various sectors or

organizations



Benefits to participating:

- · Engage with the broader community
- · Gain industry insight
- · Contribute to solutions for system integration issues
- · Align stakeholders with resources to advance technology readiness



