BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA

Order Instituting Rulemaking to Continue Electric Integrated Resource Planning and Related Procurement Processes.

Rulemaking 20-05-003
(Filed May 7, 2020)

MOTION FOR PARTY STATUS OF THE GREEN HYDROGEN COALITION

Laura Nelson
Executive Director
Green Hydrogen Coalition
2150 Allston Way, Suite 400
Berkeley, CA 94704
Telephone: 510-665-7811
Email: regulatory@ghcoalition.org

July 24, 2020
MOTION FOR PARTY STATUS OF THE GREEN HYDROGEN COALITION

I. Introduction

Pursuant to Rule 1.4(a) of the Commission’s Rules of Practice and Procedure, the Green Hydrogen Coalition (“GHC”) respectfully submits this Motion for Party Status in this proceeding.

II. Interest in this Proceeding

The GHC is a California educational non-profit organization. The GHC was formed in 2019 in recognition of the game changing potential of green hydrogen to accelerate multi-sector decarbonization to combat climate change. The GHC’s mission is to facilitate policies and practices that advance green hydrogen production and use in all sectors of the economy where it will accelerate a carbon-free energy future. Our sponsors include both renewable electricity users and providers and those in the renewable natural gas space.

Hydrogen is a mainstream commodity that can be utilized in many applications across many sectors of the economy, including use as a long-duration energy storage solution and displacing the use of fossil fuels in electricity generation. Hydrogen is widely used today for...
many industrial processes, however more than 98% of the hydrogen used today is produced from fossil fuels, which produce greenhouse gas emissions (“GHGs”).

Green hydrogen, in contrast, is commercially produced today from renewable electricity by electrolysis, from biogas by steam reforming, and from biomass through thermal conversion. Green hydrogen is a clean and safe energy carrier that can be used as a fuel for electricity production, as well as a means for multi-day and seasonal renewable energy storage. Green hydrogen, once scaled, has the potential to be lower cost than hydrogen made from fossil fuels. Production and use of green hydrogen is currently being pursued globally to decarbonize a range of sectors and meet climate goals.

GHC believes green hydrogen has an important role to play in California’s electric resource planning future due to its use as both a drop-in fuel replacement for natural gas and a means to achieve multi-day and seasonal dispatchable renewable energy storage. According to the 2019-2020 IRPs, wind and solar are some of the lowest cost energy sources at the margin today, and as the penetration of this resources increases, electric generation systems will become increasingly more difficult to manage and maintain reliability, particularly during the spring, fall and winter when there will be multi-day and ultimately seasonal shortages and surpluses of energy. Using green hydrogen as a form of multi-day and seasonal renewable energy storage can contribute to the 9.8 GW of new energy storage resources needed by 2030 as identified in the 2019-2020 IRP. Multi-day and seasonal energy storage will be required to maintain reliability and provide grid support as renewable energy penetration increases. Furthermore, electrolytic green hydrogen produced using renewable electricity can also mitigate the 5.54 TWh of annual renewable curtailment expected within the CAISO footprint by 2030, according to the 2019-2020 IRP.

Given the opportunity to support long-term reliability needs and mitigate renewables curtailment, GHC believes it can offer valuable insights into the state of the green hydrogen

---

2 2019-2020 Electric Resource Portfolios to Inform Integrated Resource Plans and Transmission Planning (Decision 20-03-028) March 26, 2020 [https://docs.cpuc.ca.gov/PublishedDocs/Published/G000/M331/K772/331772681.PDF](https://docs.cpuc.ca.gov/PublishedDocs/Published/G000/M331/K772/331772681.PDF)
market and the relevant technologies, costs, and operational considerations. GHC also plans to collaboratively work with stakeholders within the context of the planning track of this proceeding to help develop a long-term planning strategy for how California can leverage the many ways to produce and use green hydrogen to accelerate the state’s energy transition and achieve the goals of SB 100. GHC intends to provide formal comments in response to the July 14, 2020 Prehearing Conference in advance of the July 24, 2020 deadline.

As a non-profit aligned with the decarbonization goals of California and focused on the role of green hydrogen to transition the State’s electric power system to a cleaner future, the GHC has a direct interest in this proceeding that cannot be represented by any other party.

The GHC respectfully requests that this Motion for Party Status be granted. The GHC intends to participate in this proceeding by monitoring issues and contribute, where appropriate, to the resolution of issues reasonably pertinent to the issues already presented. The GHC’s participation will be within the scope of this proceeding, will not delay the procedural schedule, and will not prejudice any other party.

III. Notice

The GHC requests that service of notices, orders and other correspondence in this proceeding be addressed to:

Laura Nelson
Green Hydrogen Coalition
2150 Allston Way, Suite 400
Berkeley, CA 94704
Telephone: (510) 665-7811
Email: regulatory@ghcoalition.org
IV. Conclusion

GHC respectfully requests that the Commission grant this Motion for Party Status. If it is granted party status, the GHC intends to participate actively in this proceeding.

Respectfully submitted,

Laura Nelson
Executive Director
GREEN HYDROGEN COALITION

Date: July 24, 2020