



February 7, 2023

Dr. Jeffrey Reed
Chief Scientist – Renewable Fuels and Energy Storage
Advanced Power Energy Program
University of California Irvine
Irvine, CA 92697

RE: California Energy Commission GFO-22-304 Assessing the Role of Hydrogen in California's Decarbonizing Electric System

Dear Dr. Reed:

The Green Hydrogen Coalition (GHC)¹ is pleased to offer this letter of support for the proposal submitted by Advanced Power and Energy Program of the University of California Irvine (UCI APEP), the University of California Berkeley, Lawrence Berkeley National Lab (LBNL), the Alliance for Renewable Clean Hydrogen Energy Systems (ARCHES), and Strategen Consulting in response to California Energy Commission GFO-22-304, Assessing the Role of Hydrogen in California's Decarbonizing Electric System.

The GHC is a California educational 501(c)(3) non-profit organization. GHC was formed in 2019 to recognize the game-changing potential of "green hydrogen" to accelerate multi-sector decarbonization and combat climate change. GHC's mission is to facilitate policies and practices that advance green hydrogen production and use in all sectors of the economy to accelerate a carbon-free energy future. Our sponsors include foundations, renewable energy users and developers, utilities, and other supporters of a reliable, affordable green hydrogen fuel economy for all.

At the GHC, we believe green hydrogen is an immensely important solution in reaching California's clean energy and broader decarbonization goals. However, there exists a major need to develop analysis and planning to enable the deployment of cost-effective green hydrogen to support reliability and electric sector decarbonization. To meet the state's 2045 emissions reduction goals, scaled deployment of green hydrogen will be essential to supporting a decarbonized grid. Accordingly, a vision for this green hydrogen future must be developed.

The GHC believes that this project team is uniquely capable of assessing hydrogen deployment and electric sector end use scenarios to meet California's energy goals. Since this team collectively has deep industry awareness and expertise, we believe it is best positioned to conduct the needed work under this solicitation. For these reasons, the GHC is in full support of this proposal and is willing to provide any needed assistance to this project team if selected.

Sincerely,

Nicholas Connell
/s/ Nicholas Connell

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