



April 19, 2022

The Honorable Luz Rivas, Chair  
Natural Resources Committee  
California State Assembly  
1020 N Street, Room 164  
Sacramento, California 95814

**RE: GHC Comments on AB 2587 – Support if Amended**

Dear Chair Rivas:

The Green Hydrogen Coalition (GHC) expresses a “Support if Amended” position on Assembly Bill (AB) 2587 to accelerate the development of firm, clean power. This will ensure reliability while California moves to 100 percent renewable and zero-carbon electricity.

Several recent studies have found that California will need significant additional firm power to maintain reliability while achieving 100 percent of California’s power from renewable and zero-carbon resources. The Los Angeles 100% Renewable Energy Study by LADWP and NREL (“LA100”) expresses the need for “renewably produced and storable fuels” to maintain reliability in the power sector. The study shows that pathways to 100% decarbonization diverge on how to meet the last 10%-20% of energy demand that existing renewable and conventional storage technologies cannot meet. The LA 100 study further identified that the leading solution currently available to maintain a reliable system that can withstand extreme events is to store and use renewable fuels, with green hydrogen and biofuels among the leading alternatives.

Likewise, a recently published study by the Environmental Defense Fund and Clean Air Task Force concludes that affordable and reliable decarbonization in California requires “firm, clean power” comprised of “carbon-free power sources that can be relied on whenever needed, for as long as they are needed.” The study explains that “clean firm technologies [such as green hydrogen] complement renewable energy to ensure reliability while keeping whole system costs low.”<sup>1</sup>

While AB 2587 will spur the development of clean firm power, the bill does not specify the need for seasonal clean firm power. Instead, the bill states that it will evaluate the use of long-duration and multiday energy storage to achieve California’s goals (*see* SEC 2. (b)(6)). GHC contends that the evaluation of seasonal long-duration storage is needed and should be included to support future years of high renewable penetration. For this reason, we urge the Committee to pass AB 2587 if the bill is amended to include “seasonal” storage in SEC 2. (b)(6).

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<sup>1</sup> Long et al., “Clean Firm Power is the Key to California’s Carbon-Free Energy Future,” Issues in Science and Technology, March 24, 2021, available at: <https://www.edf.org/sites/default/files/documents/SB100%20clean%20firm%20power%20report%20plus%20SI.pdf>

Respectfully submitted,

**/s/ Janice Lin**

Janice Lin

Founder and President

**GREEN HYDROGEN COALITION**

Cc:

Assembly Member Heath Flora (Vice Chair)

Assembly Member Laura Friedman

Assembly Member Cristina Garcia

Assembly Member Devon J. Mathis

Assembly Member Kevin McCarty

Assembly Member Al Muratsuchi

Assembly Member Kelly Seyarto

Assembly Member Mark Stone

Assembly Member Jim Wood