



April 14, 2023

The Honorable Steven Bradford
Senator, District 35
1021 O Street, Suite 7210
Sacramento, CA 95814

Re: SB 663 (Archuleta/Skinner) - SUPPORT

Dear Chair Bradford,

On behalf of the undersigned organizations, we are pleased to support **SB 663**, which seeks to establish a renewable hydrogen definition and Renewable Portfolio Standard (RPS) eligibility. This coalition shares the common goal of furthering policies and practices to advance the production and use of renewable hydrogen at scale in all sectors to accelerate the transition to a carbon free energy system.

Renewable hydrogen is a key resource for meeting the California's ambitious climate goals. It can be used as a fuel for electricity generation and transportation, as well as energy intensive, hard-to-decarbonize industrial sectors such as agriculture, steel manufacturing and cement production, and

even aviation. Use of renewable hydrogen for clean firm dispatchable power generation is key to achieving a fully 100% renewable power sector and totally eliminating our use of natural gas.

To address this issue, SB 663 proposes expanding the RPS to include additional renewable hydrogen technologies. Expanding the RPS eligibility to include additional hydrogen-to-electricity conversion technologies can further support the scaling of renewable hydrogen production, diversify the state's fuel/renewable energy mix, expand the use of renewable hydrogen as a long-duration energy storage solution via ongoing procurement processes at the CPUC, and promote a more affordable and resilient grid.

For renewable energy sources, the production process for renewable hydrogen must either use electricity that meets the requirements of the state's RPS program or otherwise employ renewable energy sources such as biomass, solar thermal, photovoltaic, wind, geothermal, fuel cells using renewable hydrogen, linear generators using renewable hydrogen, gas turbines using renewable hydrogen, small hydroelectric generation of 30 megawatts or less, digester gas, municipal solid waste conversion, diverted organic waste, landfill gas, ocean wave, ocean thermal, or tidal current.

Expanding RPS eligibility in this way is strategically important to helping California establish a robust market for renewable hydrogen, as power sector use of renewable hydrogen is not only needed as long duration storage solution, but it is also one of the few scalable near term applications that can help drive down renewable hydrogen costs which will in turn accelerate renewable hydrogen adoption in adjacent, high polluting sectors such as goods movement, maritime shipping and aviation. In short, power sector use of renewable hydrogen is one of the few near-term applications that can scale demand for renewable hydrogen – key to establishing a scaled, low-cost renewable hydrogen economy and to achieving economy wide decarbonization.

For these reasons, we strongly support SB 663 and believe this measure is critical towards meeting California's ambitious climate goals and support a robust California market.

Sincerely,

Steve Kloos
AquaHydrex

Julia Levin
Bioenergy Association of California

Dave Salem
Brad Thompson Company

Katrina M. Fritz
California Hydrogen Business Council

Teresa Cooke
CA Lobby on behalf of California Hydrogen Coalition

Janice Lin
Green Hydrogen Coalition

Rob Morgan
HCycle, LLC

Craig Gordon
Mainspring Energy, Inc.

John Young
Mitsubishi Power

Aaron Tasin
Northeast-Western Energy Systems

Steve Hill
NewHydrogen, Inc.

Matthew McMonagle
NovoHydrogen

Matt Scanlon
Raven SR

Jerod Smeenk
San Joaquin Renewables

Israel Salas
SoCalGas

Bob Kinghorn
Stellar J

Fred Tornatore
TSS Consultants

Mark Bragg
USA Water and Power

cc: Senator Brian Dahle (Vice Chair)
Senator Angelique V. Ashby
Senator Josh Becker
Senator Anna M. Caballero
Senator Bill Dodd
Senator María Elena Durazo
Senator Susan Talamantes Eggman

Senator Lena A. Gonzalez
Senator Shannon Grove
Senator Mike McGuire
Senator Dave Min
Senator Josh Newman
Senator Susan Rubio
Senator Kelly Seyarto
Senator Nancy Skinner
Senator Henry I. Stern
Senator Scott Wilk



April 14, 2023

The Honorable Benjamin Allen
Senator, District 24
1021 O Street, Suite 6610
Sacramento, CA 95814

Re: SB 663 (Archuleta/Skinner) - SUPPORT

Dear Chair Allen,

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Senator Lena A. Gonzalez
Senator Melissa Hurtado
Senator Caroline Menjivar
Senator Janet Nguyen
Senator Nancy Skinner

