



**Western Interstate
Energy Board**

Green Hydrogen Visions for the West Virtual Conference

Presented by the GHC, NASEO, and WIEB

Date: Tuesday, November 17 and Wednesday, November 18, 2020 (Two days, 8:00 AM PT-2:00 PM PT)

Location: Virtual Event (<https://www.ghcoalition.org/ghvisions>)

The Green Hydrogen Coalition (GHC), in collaboration with the National Association of State Energy Officials (NASEO) and the Western Interstate Energy Board (WIEB), is proud to present its 2nd Annual convening, bringing together policy makers, industry leaders, utilities, and non-governmental organizations to accelerate progress for green hydrogen market and infrastructure development in the Western United States and beyond.

OBJECTIVES:

1. Build support and momentum for IPP Renewed – the largest green hydrogen project under development in the US
2. Identify regional collaboration pathways and workstreams to accelerate green hydrogen infrastructure development in the Western US
3. Identify and build momentum for additional multi-sectoral new hydrogen infrastructure projects (in addition to IPP Renewed)

DAY 1 AGENDA (8:00 AM-2:00 PM, Pacific Time)

Theme: Green Hydrogen Visions for the West

8:00-8:30 **Virtual Networking Reception**

8:30 -8:50 **Welcome Remarks**

- Welcome Remarks and Meeting Objectives:
 - Janice Lin, Founder and President, GHC
 - Dr. Andrew McAllister - CEC Commissioner & Past-Chair NASEO
 - John Chatburn, Chair WIEB (invited)

8:50-9:05 **Regional Collaboration Special Announcement**

- David Terry, Executive Director, NASEO
- Maury Galbraith, Executive Director, WIEB
- Laura Nelson, PhD, Executive Director, GHC

9:05-10:00 **Keynote Addresses**

Green Hydrogen: Part of a National Energy Strategy

- Daniel Simmons, Assistant Secretary of Energy Efficiency and Renewable Energy, US Department of Energy

The Vision for Los Angeles, America's First Hydrogen City

- Eric Garcetti, Mayor of Los Angeles



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America's First Coal to Green Hydrogen Transition: IPP Renewed

- Martin Adams, General Manager and Chief Engineer, Los Angeles Department of Water and Power

10:00-10:15 **Virtual Networking Break**

10:15-12:45 **ROUNDTABLE DISCUSSION:**

Creating a Green Hydrogen Blueprint for the Western US

- **Session goals:** Identify regional collaboration pathways and workstreams to accelerate green hydrogen infrastructure development in the Western US
- **Opening Remarks:** Regional Collaboration Lessons Learned from Europe
 - Thierry Lepercq, GHC Board Member, Founder, Soladvent
- **Key Questions**
 - What state-level green hydrogen initiatives are currently planned or underway would benefit from a coordinated regional approach?
 - What specific areas of support/help are needed?
 - Borrowing lessons learned from Europe, how can states collaborate on green hydrogen for greatest efficiency and impact?

Roundtable Participants:

- Moderated by Dr. Laura Nelson
- Roundtable Speakers Day 1:
 - Melissa Ballard, Representative, Utah House of Representatives
 - Glenn Blackmon, Manager, Energy Policy Office, Washington State
 - David Bobzien, Director, Nevada Governor's Office of Energy
 - John Chatburn, Director, Idaho Office of Energy and Minerals
 - Dan Lloyd, Bureau Chief, Montana Energy Office
 - Barbra Korol, Executive Director, Alberta Energy (invited)
 - Dr. Andrew McAllister - CEC Commissioner & Past-Chair NASEO
 - Clifford Rechtschaffen, Commissioner, California Public Utilities Commission
 - Sunita Satyapal, Director, Hydrogen and Fuel Cell Technologies Office, US Department of Energy
 - Rob Simmons, Energy Advisor & Executive Director, Utah Governor's Office of Energy Development
 - Nancy Skinner, Senator, California State Senate
 - Will Toor, Executive Director, Colorado Energy Office
 - Kirsten Verclas Electricity Senior Program Director, NASEO

12:45-1:00 **Closing Remarks and Day 1 Actions - Dr. Laura Nelson, Executive Director, GHC**

1:00-2:00 **Virtual Networking Reception**



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Day 2 AGENDA (8:00 AM-2:00 PM, Pacific Time)

Theme: Accelerating Green Hydrogen Infrastructure Development for the Western US

8:00-8:30 **Morning Virtual Networking Reception**

8:30-8:50 **Welcome Remarks**

- Dr. Laura Nelson, Executive Director, Green Hydrogen Coalition
- Kelley Smith Burk, NASEO Chair, Director, Office of Energy, Florida Department of Agriculture and Consumer Services (Invited)
- Tyson Eckerle, Deputy Director of Zero Emission Vehicle Infrastructure, California Governor's Office of Business and Economic Development

Keynote Addresses

8:50-9:05 ***The US Department of Energy's H2@Scale Vision***

- Sunita Satyapal, Director, Hydrogen and Fuel Cell Technologies Office, US Department of Energy

9:05-9:15 ***Pathways for Scaling Hydrogen***

- John Litynski, Deputy Director Advanced Fossil Technology Systems, US Department of Energy

9:15-10:00 **Global Infrastructure Case Studies and Discussion**

Moderated by Thierry Lepercq, GHC Board Member & Founder, Soladvent

- Denmark - H2RES Project - Ulrik Stridbaek, Vice President of Regulatory Affairs, Orsted
- Netherlands NorthH2 Project - Ruben Van Grinsven, Business Opportunity Manager, Integrated Hydrogen Projects, Shell
- United States – Plug Power -- Sanjay Shrestha, Chief Strategy Officer, Plug Power

10:00-10:15 **Virtual Networking Break**

10:15-12:50 **ROUNDTABLE DISCUSSION:**

Accelerating Green Hydrogen Infrastructure Development for the Western US

- **Session Goals:** Identify regional collaboration pathways and workstreams to accelerate green hydrogen infrastructure development in the Western US
- **Key Questions**
 - What aggregated, near-term green hydrogen off take opportunities exist in the western US?
 - What will it take to achieve cost effective production, transmission, distribution, and storage of green hydrogen to meet aggregated demand?

- Given anticipated potential demand and infrastructure needed, what new at scale green hydrogen initiatives should be prioritized in the Western US?
- How can the GHC accelerate multi-sectoral progress going forward?

Roundtable Participants Overview: (Moderator: Janice Lin)

10:15-11:25

Regional Green Hydrogen Off Takers (35 minutes)

- Municipal: Liz Crosson, Director of Infrastructure, Office of Mayor Eric Garcetti
- Power:
 - Greg Huynh, Operating Agent, Intermountain Power Agency
 - Vicken Kasarjian, COO, Marin Clean Energy
 - Louis Ting, Director of Planning Development and Engineering LADWP
- Power & Gas
 - Andrew Hegewald, Gas Business Development Manager, Dominion
 - Quinn Nakayama, Director Grid Planning and Innovation, PG&E (Invited)
- Transport Fuel –
 - Jack Hedge, Executive Director, Utah Inland Port Authority
 - Shane Stephens, CEO First Element Fuel (Invited)
- Mining – Steve Sands, Director of Business Transformation, Rio Tinto

Green Hydrogen Producers and Infrastructure Providers (20 minutes)

- Paul Browning, President and CEO, Mitsubishi Power Americas
- Michel Carreau, Global Director Green H2, Hatch
- Yuri Freedman, Director Business Development SoCalGas
- Sheldon Kimber, CEO & Co-Founder, Intersect Power
- Lorraine Paskett, Vice President, True North Renewable Energy
- Finbar Sheehy, Sr. Director, Finance & Technology, 8minute Solar Energy

Green Hydrogen Investors (10 minutes)

- Jigar Shah, Founder Generate Capital
- Monique Friddell, Loan Program Office, US DOE
- Rob Morgan, Advisor, Quinbrook Infrastructure Partners

11:25-12:10

Regional Breakout Sessions: Concurrent, Select One (45 minutes)

- Group 1 – California South: Moderated by Janice Lin, Founder & President, GHC
 - Liz Crosson, Director of Infrastructure, City of LA
 - Louis Ting, LADWP
 - Paul Browning, Mitsubishi
 - Finbar Sheehy, 8Minute Solar Energy
 - Yuri Freedman, SoGalGas
 - Monique Friddell, DOE Loan Office
 - Lorraine Paskett, True North Renewable Energy
 - Ulrik Stridbaek, Orsted
- Group 2 – California North: Moderated by Matt McDonnell, Director, Strategen
 - Vicken Kasarjian, Marin Clean Energy



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- Shane Stephens, First Element Fuel (Invited)
- Quinn Nakayama, PG&E (Invited)
- Jigar Shah, Generate Capital
- Ruben Van Grinsven, Shell
- Michael Ducker, Mitsubishi
- Tyson Eckerle, CA Governor's Office of Business and Economic Development
- Kelley Smith Burk, NASEO Chair (Invited)

- Group 3 - Utah and the West: Moderated by Laura Nelson, Executive Director, GHC
 - Jack Hedge, Utah Inland Port
 - Steve Sands, Rio Tinto
 - Greg Huynh, Intermountain Power Authority
 - Sanjay Shresthra, Plug Power
 - Michel Carreau, Hatch
 - Andrew Hegewald, Dominion
 - Sheldon Kimber, Intersect Power
 - Rob Morgan, Quinbrook
 - Maury Galbraith, WIEB
 - Rob Webster, Magnum Development

12:10-12:45

Breakout Group Presentations and Discussion

12:45-1:00

Closing Remarks and Day 2 Actions

- Janice Lin, Founder & President GHC

1:00-2:00

Virtual Networking Reception