



# HYDROGEN AMERICAS 2024

SUMMIT & EXHIBITION

**11 – 12 JUNE 2024**  
RONALD REAGAN INT. TRADE CENTER,  
WASHINGTON D.C.

The Hub for the Global Hydrogen Community in the Americas

**Part of the SEC World Hydrogen Series**

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# CONFIRMED SPEAKER LIST

1. **David Turk**, Deputy Secretary, **U.S. Department of Energy**
2. **Dr. Sunita Satyapal**, Hydrogen and Fuel Cell Technologies Office Director and Hydrogen Program Coordinator, **U.S. Department of Energy**
3. **Kelly Cummins**, Acting Director, **Office of Clean Energy Demonstrations, U.S. Department of Energy**
4. **Crystal Farmer**, Program Manager – Hydrogen Hubs, **Office of Clean Energy Demonstrations, U.S. Department of Energy**
5. **Maggie Field**, Western Hydrogen Hubs Manager, **Clean Air Task Force**
6. **Shinichi Kihara**, Director General for Energy and Environmental Policy, **Ministry of Economy, Trade and Industry Japan**
7. **Betony Jones**, Labor Advisor to Secretary of State, **US Department of Energy**
8. **Allison Clements**, Commissioner, **FERC**
9. **Seifi Ghasemi**, Chairman, President and Chief Executive Officer, **Air Products**
10. **Tomeka McLeod**, VP Hydrogen, U.S., **bp**
11. **Martin Hering**, Senior Business Development Manager, **Bosch**
12. **Pierre Poulain**, President & CEO, **Powertech Labs**
13. **Fredrik Mowill**, CEO, **Hystar**
14. **Janice Lin**, Founder & President, **Green Hydrogen Coalition**
15. **Alex Savelli**, Managing Director Electrolyzers – Americas, **Accelera by Cummins**
16. **Dr. Matteo Fabbri**, Product Line Manager, **ABB**
17. **John Gunn**, Global Manager of Operations, Energy Transition, **Bechtel**
18. **Nikolaj Knudsen**, Head of Business Development, **Topsoe, Power-to-X**
19. **Rafael Fejervary**, Hydrogen Director, **SLB**
20. **Laura Bergedieck**, Senior Vice President for Hydrogen Development, **RWE Clean Energy**
21. **Rajiv Sabharwal**, Vice President of Business Development- Energy, **Bureau Veritas**
22. **Brian Foody**, CEO, **logen**
23. **Beth Deane**, Chief Legal Officer, **Electric Hydrogen**
24. **Christopher Hessler**, Founding Partner, **AJW, Inc.**
25. **Bernhard Voll**, Senior Technical Expert, **SMA Altenseo GmbH**
26. **Dr. Joshua Stolaroff**, CEO, **MOTE**
27. **Steven Parente**, Hydrogen Infrastructure and Integration Specialist, **Caterpillar**
28. **Steve Beyer**, Director of Business Development, **Re:Build Manufacturing**
29. **Paul Dainora**, Head of Business Development Green Hydrogen, **Thyssenkrupp-Nucera**
30. **Mack Hopen**, Sr. Manager of Commercialization, **Modern Hydrogen**
31. **Sonia Maleky**, Director of Hydrogen Technology, **Microsoft**
32. **R K Goyal**, Managing Director, **Kalyani Steels Ltd.**
33. **Franklin Chang Díaz**, CEO, **Ad Astra Rocket Company**
34. **Nick Barilo**, Executive Director, **Center for Hydrogen Safety**
35. **Brett Perlman**, CEO, **Center for Houston's Future**
36. **Christiaan Gischler**, Lead Energy Specialist, **Inter-American Development Bank (IADB)**
37. **Bill Elrick**, Executive Director, **Hydrogen Fuel Cell Partnership**
38. **Clare Jackson**, CEO, **Hydrogen UK**
39. **Jonathan Cristiani**, Bioenergy & Hydrogen Technology Manager, **Black & Veatch**

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40. **Mark Fasel**, Director of PMG Technical Resources, **International Code Council, Inc.**
41. **Trevor Brown CFA**, Executive Director, **Ammonia Energy Association**
42. **Carolina López**, Energy Regulatory Specialist, **World Bank**
43. **Christiaan Gischler Blanco**, Lead Energy Specialist, **Inter-American Development Bank**
44. **Dr Monterey Gardiner**, Chief Engineer Hydrogen Strategy & Partnerships, **Energy Conversion & Storage Systems Center**
45. **Dave Farese**, Member, **Hydrogen Safety Panel**
46. **Leigh Collins**, Editor, **Hydrogen Insight**
47. **Gurpreet Hayre**, Event Director, **Sustainable Energy Council**

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# SUMMIT DAY ONE

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**11 June 2024**

**08:00 Welcome Breakfast**

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**08:45 Opening Keynote Addresses**

**Welcome Addresses:**

- **Gurpreet Hayre**, Event Director, **Sustainable Energy Council**

**Keynote Addresses:**

- **David Turk**, Deputy Secretary, **U.S. Department of Energy**
- **Dr. Sunita Satyapal**, Hydrogen and Fuel Cell Technologies Office Director and Hydrogen Program Coordinator, **U.S. Department of Energy**

**09:15 FIRESIDE CHAT: Vision for a Hydrogen Economy in the Americas**

**Chair:**

**Speaker:**

**Seifi Ghasemi**, Chairman, President and Chief Executive Officer, **Air Products**

**09:30 SPOTLIGHT: Update on Hydrogen Hubs Program**

**Keynote Address:**

**Kelly Cummins**, Acting Director, **Office of Clean Energy Demonstrations**, **U.S. Department of Energy**

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## 09:45 **Session 1: U.S. Hydrogen Hubs: Mobilization and Implementation**

- Latest updates on the selected Regional Clean Hydrogen Hubs
- What are the key priorities for developing value chains within and across the Hubs?
- Local and international trade opportunities from each Hub
- The role of the hubs in clean energy deployment
- Highlighting job creation and workforce development

**Chair:**

**Panelists:**

## 10:45 **Networking Coffee Break**

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## 11:15 **Session 2: Collaboration Amongst Clean Hydrogen Leaders: Critical Projects & Policies Driving the Energy Transition**

- Updates on major projects and latest hydrogen advancements in the Americas
- The importance of demand incentives: How can we drive the industry forward through collaboration, policy and legislation?
- Successful projects from around the world providing useful case studies for the Americas
- Where is greater regulatory support needed to unlock projects?
- Hydrogen decarbonization partnerships in the Americas: US, Canada and Latin America
- The latest clean hydrogen incentives and the most optimal ways to implement these

**Chair:**

**Panelists:**

**Shinichi Kihara**, Director General for Energy and Environmental Policy, **Ministry of Economy, Trade and Industry Japan**

**Tomeka McLeod**, VP Hydrogen, U.S., **bp**

**John Gunn**, Global Manager of Operations, Energy Transition, **Bechtel**

**Brian Foody**, CEO, **logen**

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### 12:00 **Session 3: Hydrogen Decarbonizing Hard to Abate Sectors**

- Key industrial sectors with hydrogen applications: Cement, steel, petrochemicals, transport, mining and others
- Cross-sector partnerships to secure long-term demand from hard to abate sectors
- Collaboration to achieve FID: How must clusters work together to ensure project success?
- Case studies of heavy industrial hydrogen use for decarbonization
- How can clean hydrogen tax credits positively impact hard to abate sectors?

#### **Chair:**

**Christopher Hessler**, Founding Partner, **AJW, Inc.**

#### **Panelists:**

**R K Goyal**, Managing Director, **Kalyani Steels Ltd.**

**Dr. Joshua Stolaroff**, CEO, **MOTE**

**Steven Parente**, Hydrogen Infrastructure and Integration Specialist, **Caterpillar**  
**Senior Representative, Air Products**

### 13:00 **PRE-LUNCH ADDRESS**

### 13:10 **Networking Lunch**

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### 14:00 **SPOTLIGHT: Commercial Opportunities for Clean Hydrogen in Canada**

**Chair:**

**Panelists:**

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## 14:30 **Session 4: Attracting Investment into Clean Hydrogen Projects: Successes, Challenges and Opportunities**

- Is collaboration the key to successfully developing clean H2 projects?
  - Case study successes
- Public Private Partnerships: What more can be done to drive forward investment in the energy transition?
- De-risking investment opportunities to accelerate capital flow into hydrogen
- Case Studies in successful project funding and financial instruments working worldwide
- Offtake agreements fit for a future hydrogen economy
- Fulfilling the U.S. ambitious hydrogen goals: cutting the cost of clean hydrogen to **\$1 per 1 kilogram in 1 decade**

### **Chair:**

**Bill Elrick**, Executive Director, **Hydrogen Fuel Cell Partnership**

### **Panelists:**

**Crystal Farmer**, Program Manager – Hydrogen Hubs, **Office of Clean Energy Demonstrations, U.S. Department of Energy**

**Christiaan Gischler**, Lead Energy Specialist, **Inter-American Development Bank (IDB)**

**Name TBA**, Japanese Bank for International Cooperation

## 15:15 **Session 5: Electrolyzer Technology Developments: Showcasing World Class Excellence in Technology**

- Scaling up electrolysis for large scale adoption
- Collaboration to drive innovation: Driving development and sales of electrolyzer components
- Lowering costs for clean hydrogen production
- Challenges for the Power Grid when scaling up electrolysis
- Meeting key challenges in the built environment with clean tech innovation

### **Chair:**

### **Panelists:**

**Alex Savelli**, Managing Director Electrolyzers – Americas, **Accelera by Cummins**

**Nikolaj Knudsen**, Head of Business Development, **Topsoe, Power-to-X**

**Paul Dainora**, Head of Business Development Green Hydrogen, **Thyssenkrupp-Nucera**

**Martin Hering**, Senior Business Development Manager, **Bosch**

**Dr. Matteo Fabbri**, Product Line Manager, **ABB**

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## 16:00 Networking Coffee Break

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## 16:30 Session 6: Ammonia's Clean Energy Potential

- Ammonia supply and demand: Global trade flows and markets
- Standardisation, regulation, and certification to enable cross regional trade
- Bunkering and Ammonia Storage – next steps, timelines, and projects
- Ammonia as a transportation fuel
- Ammonia feedstock for power generation in existing gas turbines and coal fired power plants

### Chair:

**Trevor Brown**, Executive Director, **Ammonia Energy Association**

### Panelists:

**Carolina López**, Energy Regulatory Specialist, **World Bank**

## 17:15 SPOTLIGHT: Developing Future Hydrogen Leaders: Paving the Way for the Next Generation

- How will the US Hydrogen Hubs impact the next generation of future leaders?
- How do we attract talented people into the business?
- Upskilling from other sectors
- International partnerships to develop hydrogen workforce
- Open-source R&D

### Chair:

**Betony Jones**, Labor Advisor to Secretary of State, **US Department of Energy**

### Panelists:

**Maggie Field**, Western Hydrogen Hubs Manager, **Clean Air Task Force**

**Franklin Chang Díaz**, CEO, **Ad Astra Rocket Company**

18:00 Drinks Reception *Hosted by*



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# SUMMIT DAY TWO

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**12 June 2024**

**08:00 Welcome Coffee**

**09:00 Ministerial Keynotes**

**09:30 FIRESIDE CHAT: Hydrogen's Regulatory Roadmap**

**Chair:**

**Speaker:**

**Allison Clements**, Commissioner, FERC  
EPA

**10:00 SPOTLIGHT: South Australia Clean Energy Power House**

**Keynote Address:**

Senior State Government Official, **South Australian Government**

**10:15 SPOTLIGHT: Hydrogen Safety: Enabling Success Through Effective Mindset Management**

- Codes and standards: Understanding the information needed to safely build, maintain and operate equipment, systems and facilities
- Safety Culture: A vital foundation for industry success
- How do we learn from experiences and incidents?
  - Highlighting case studies to ensure a continual learning process with regards safety
  - Building trust with customers to enable scaling up

**Chair:**

**Nick Barilo**, Executive Director, **Center for Hydrogen Safety**

**Panelists:**

**Mark Fasel**, Director of PMG Technical Resources, **International Code Council, Inc.**

**Jonathan Cristiani**, Bioenergy & Hydrogen Technology Manager, **Black & Veatch**

**Dave Farese**, Member, **Hydrogen Safety Panel**

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## 11:00 Networking Coffee Break

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## 11:30 Session 7: Renewable Hydrogen Production

- Will there be enough green power from Wind, Solar, Hydro, Geothermal?
- Overcoming challenges in scaling up production
- What is needed to build a successful project
- Renewable power cost decline curve

### Chair:

Leigh Collins, Editor, **Hydrogen Insight**

### Panelists:

Fredrik Mowill, CEO, **Hystar**

Bernhard Voll, Senior Technical Expert, **SMA Altenso GmbH**

Laura Bergedieck, Senior Vice President for Hydrogen Development, **RWE Clean Energy**

## 12:15 Session 8: Standardisation, Certification and Regulation for Global Export

- Where are we on the market framework rules?
- Defining standards for international trade: handling and storing of hydrogen and derivatives
- Latest international partnerships working on mutual recognition of certification schemes
- Best practices and transparency in hydrogen standards adherence

### Chair:

Clare Jackson, CEO, **Hydrogen UK**

### Panelists:

Rajiv Sabharwal, Vice President of Business Development- Energy, **Bureau Veritas**

Trevor Brown, Executive Director, **Ammonia Energy Association**

Senior Representative, **IPHE**

## 13:00 Networking Lunch

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## 14:00 **Session 9: Hydrogen's Role in the Future of Global Decarbonization**

- Where should the hydrogen industry be in 5 years?
- What needs to happen for the hydrogen industry to reach its mid to long term goals?
- Where can demand incentives be introduced to ensure the next phase of industry growth?
- What are the opportunities and bottlenecks as the hydrogen industry progresses?
- How can we use what we have learned so far to accelerate the industry?

### **Chair:**

**Janice Lin**, Founder & President, **Green Hydrogen Coalition**

### **Panelists:**

**Rafael Fejervary**, Hydrogen Director, **SLB**

**Sonia Maleky**, Director of Hydrogen Technology, **Microsoft**

## 15:00 **Networking Coffee Break**

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## 1530 **Session 10: Hydrogen's Mobility and Distribution Applications on Land and Sea**

- Developing transportation and distribution efficiencies for to reduce costs and unlock off-take
- Harnessing opportunities for Hydrogen Fuel Cells and Hydrogen ICE
- Case Study: Examples of successful H2 road mobility projects
- Fuelling infrastructure for trucks, buses and trains
- Challenges in deploying hydrogen vehicles on the road
- Advancements in hydrogen shipping technology
- Comparing purpose build and blended pipelines and the use of ammonia, methanol and LOHC as carriers

### **Chair:**

**Brett Perlman**, CEO, **Center for Houston's Future**

### **Panelists:**

**Pierre Poulain**, President & CEO, **Powertech Labs**

**Steve Beyer**, Director of Business Development, **Re:Build Manufacturing**

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## 16:15 **SPOTLIGHT:** Advancements in Hydrogen Storage to Achieve a Sustainable, Low Carbon Future

- Storage technology advancements, innovations & cost reductions
- Hybrid energy storage systems
- Salt caverns
- Liquefied hydrogen
- Compressed hydrogen storage
- Solid State Storage

### Chair:

**Dr Monterey Gardiner**, Chief Engineer Hydrogen Strategy & Partnerships, **Energy Conversion & Storage Systems Center**

### Panelists:

17:00 **Close of Day 2**

## CONTACT OUR TEAM TO DISCUSS YOUR PARTICIPATION



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