



# PACIFIC ENERGY SUMMIT

## 2023 PACIFIC ENERGY SUMMIT

### INTERNATIONAL TRADE AND THE ENERGY TRANSITION

August 17–18, 2023

Microsoft Events Center at Rainier Tower

1301 Fifth Avenue, Suite 1500, Seattle, Washington

THE PACIFIC ENERGY SUMMIT IS AN INITIATIVE OF THE NATIONAL BUREAU OF ASIAN RESEARCH

*Panel and breakout discussions are held under the Chatham House Rule*

The 2023 Pacific Energy Summit builds on previous years' Summits to examine how international trade and economic policy will influence the energy security and low-carbon transitions of Indo-Pacific nations. The United States is the host of several Asia-Pacific Economic Cooperation (APEC) ministerial meetings in Seattle in August, the themes of which include "creating a resilient and sustainable future for all and building an interconnected, innovative, and inclusive Asia-Pacific region." Held alongside these meetings, the 2023 Summit will bring together leading experts, policymakers, and stakeholders from across the Indo-Pacific for an impactful discussion on balancing energy transitions and trade with energy security in a complex geopolitical arena.

In addition to special remarks from regional leaders and delegates to APEC, keynote address topics include:

- APEC's role in a net-zero Indo-Pacific
- U.S. leadership in global decarbonization
- Mineral supply chains and energy security in a net-zero world
- U.S. leadership in energy security

#### DAY ONE: Thursday, August 17

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8:30 a.m. Doors open and coffee/light breakfast

9:00–9:15 a.m. WELCOME AND INTRODUCTION  
Roy Kamphausen  
*The National Bureau of Asian Research*

9:15–9:45 a.m. OPENING KEYNOTE ADDRESS  
***Energy Transition and Trade***  
Masayuki Hamamatsu  
*Japan Bank for International Cooperation*  
  
Moderated by Melody Meyer  
*The National Bureau of Asian Research*

9:45–11:00 a.m. PANEL I

***APEC and the Energy Transition: Perspectives from across the Indo-Pacific***

The Indo-Pacific will see changes for both energy importers and exporters during the energy transition. How can policymakers play to their country's strengths and use energy trade to help navigate a changing energy and geopolitical landscape?

Moderator: Cynthia Watson  
*The National Bureau of Asian Research*

Panelists: Se Hyun Ahn  
*University of Seoul*

Satya Yudha  
*National Energy Council of the Republic of Indonesia*

Ken Koyama  
*Institute of Energy Economics, Japan (IEEJ)*

11:00–11:15 a.m. BREAK

11:15 a.m.–12:30 p.m. **BREAKOUT SESSION I**

***Partnerships in the New Energy Ecosystem***

These sessions will examine the relationship between the United States and its Indo-Pacific counterparts, how energy trade impacts those relations, and how the coming energy transition could change them.

***Established Partnerships: Japanese and Korean Perspectives***

Lead Discussants: Jin Yamaguchi  
*Ministry of Economy, Trade and Industry of Japan/  
Japan External Trade Organization*

Se Hyun Ahn  
*University of Seoul*

***Growing Partnerships: Southeast Asia in the Energy Transition***

Lead Discussants: Courtney Weatherby  
*Stimson Center*

Linh Dan Nguyen  
*Hanoi University of Science and Technology*

Taylor Roth  
*Pacific Northwest National Laboratory (PNNL)*

12:30–1:30 p.m. LUNCH

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1:30–1:45 p.m. LUNCH KEYNOTE

***Energy Transition in the APEC Region***

Kazutomo Irie  
*Asia Pacific Energy Research Centre (APEREC)*

1:45–3:00 p.m. PANEL II

***Capturing the New Energy Value Chain***

Private companies will lead the way in making new technologies, like electric cars, green hydrogen, and carbon capture, which will allow for a net-zero future. How does private competition impact the implementation of these technologies and how can policymakers navigate potential setbacks?

Moderator: Mike Herberg  
*The National Bureau of Asian Research and University of California San Diego*

Panelists: Mel Clark  
*CleanTech Alliance*

Brian Yates  
*Stantec*

Meredith Miller  
*Albright Stonebridge Group and The National Bureau of Asian Research*

3:00–3:15 p.m. BREAK

3:15–4:45 p.m. **BREAKOUT SESSION II**

***Fuels of the Future***

Fossil energy sources are critical to today's economy, with most electricity generation and transportation using coal, gas, or petroleum. Mapping this trajectory in the range of Indo-Pacific economies will be the aim of these sessions. How do countries differ in their pathways towards lower-carbon futures? And what steps can ensure this transition is economically sound for a diverse range of regional economies?

**Thursday, August 17**

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***Nuclear Power and the Energy Transition***

Lead Discussants: Jennifer Sklarew  
*George Mason University*

Ali Zbib  
*Pacific Northwest National Laboratory*

James Platte  
*School of Advanced Military Studies*

***Natural Gas and Hydrogen: The Bridge or Destination Fuels in a Net-Zero World?***

Lead Discussants: Mike Herberg  
*The National Bureau of Asian Research and University of California San Diego*

Glen Sweetnam  
*Asia Pacific Energy Research Centre (APEREC)*

Richard Westerdale  
*The Energy Futures Initiative*

4:45–5:00 p.m. DAY ONE CONCLUSION, DEPARTURE FOR NETWORKING RECEPTION

5:00–6:00 p.m. NETWORKING RECEPTION

One Union Square Boardroom (Ground Floor)  
600 University Street, Seattle, WA

## DAY TWO: Friday, August 18

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8:30 a.m. Doors open and coffee/light breakfast

9:00–9:05 a.m. WELCOME AND RECAP OF DAY ONE

Alison Szalwinski  
*The National Bureau of Asian Research*

9:05–9:30 a.m. KEYNOTE REMARKS

### ***Batteries and Minerals in the Energy Transition***

Laura Lochman  
U.S. Department of State

9:30–10:45 a.m. PANEL III

### ***Energy Storage and New Paradigms of Security***

As global energy systems move towards electrification, storing energy for use in transportation or facilitating intermittent renewable energy is a key factor in achieving reliable, affordable, and secure energy systems. How could this greater use of hydrogen or batteries change global trade, and what new energy security concerns could arise from this change in energy generation, use, and management?

Moderator: Ambassador Michael Michalak  
*former U.S. ambassador to Vietnam; U.S.-ASEAN Business Council*

Panelists: Abigail Wulf  
*Securing America's Future Energy*

Grant Ray  
*Group14 Technologies*

10:45–11:00 a.m. BREAK

11:00 a.m.–12:15 p.m. **BREAKOUT SESSION III**

### ***Renewable Energy in Transition***

A range of net-zero plans exist across the Indo-Pacific, but all will require massive increases in renewable energy and the use of batteries or other storage to succeed. These sessions will discuss challenges to reaching a net-zero world, including managing variable renewable sources and critical minerals, and how these challenges intersect with international trade.

***Breaking the “Green Ceiling”: Overcoming Limitations to Reaching Net-Zero Goals through Renewable Energy***

Lead Discussants: Clara Gillispie  
*The National Bureau of Asian Research*

Jennifer Schuch-Page  
Office of the Special Presidential Envoy for Climate

***Critical Minerals in the Energy Transition***

Lead Discussants: Abigail Wulf  
*Securing America’s Future Energy*

Bill Rising  
*Freeport-McMoRan*

Satya Yudha  
*National Energy Council of the Republic of Indonesia*

12:15–1:00 p.m. FIRESIDE CHAT

***2023 APEC: Where Are We Now? Why Does APEC Matter?***

Ambassador Matt Murray, U.S. Senior Official for APEC, will address theme, priorities, and agendas of the U.S. APEC 2023 Host Year and cover climate issues and stakeholder engagement in APEC through the Fireside Chat.

Speaker: Matthew Murray  
*U.S. Department of State*

Moderator: Roy Kamphausen  
*The National Bureau of Asian Research*

1:00–1:10 p.m. CONCLUDING REMARKS

Roy Kamphausen  
*The National Bureau of Asian Research*

1:10–2:00 p.m. LUNCH NETWORKING EVENT

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HOST



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We are grateful to Chevron, ConocoPhillips, Deloitte Tohmatsum Consulting, Freeport-McMoRan Japan External Trade Organization, and Mitsubishi Heavy Industries for their sponsorship of the 2023 Pacific Energy Summit.

