

PACIFIC OFFSHORE WIND SUMMIT



March 28 - 30, 2022 | Grand Hyatt San Francisco

Executive Briefing: Planning and Preparation for the California Lease Auctions

Monday, March 28, 2022

- 7:00-8:00 am Registration & Networking Breakfast
- 8:00-8:10 am Opening Remarks by the Executive Briefing Co-Chairs:
Paula Major, *Vice President, U.S. Offshore Wind*, MAINSTREAM RENEWABLE POWER; *Board Chair*, OFFSHORE WIND CALIFORNIA
Adam Stern, *Executive Director*, OFFSHORE WIND CALIFORNIA
- 8:10-8:30 am Keynote: **Setting the Stage – California’s Renewable Energy and Greenhouse Gas Goals**
David Hochschild, *Chair*, CALIFORNIA ENERGY COMMISSION

Improving the Siting and Permitting Process for Pacific Offshore Wind

- 8:30-9:00 am Presentation: **Update on Streamlining the BOEM Permitting Process**
Douglas Boren, *Regional Director, Pacific Regional Office*, BUREAU OF OCEAN ENERGY MANAGEMENT (BOEM)
- 9:00-10:00 am Panel Discussion: **Coordinating Federal and California Siting and Permitting Processes**
Session sponsored by: AECOM
- The government approach for siting and permitting offshore wind is changing. The White House initiative to incorporate state governments in siting and permitting processes is being extended to offshore wind development on the West Coast. California is working to coordinate its complex siting and permitting requirements with federal processes, while also working to engage local stakeholders. This panel will examine how federal and California-specific processes are being coordinated.
- How are intergovernmental task forces working to adopt similar processes at the federal and state levels?
 - How are siting efforts advancing to identify additional call areas off the California central and north coasts?
 - How could the permitting process be streamlined and become more efficient?

Moderator:

Whitney Fiore, *NEPA and Natural Resources Senior Manager*, SWCA ENVIRONMENTAL CONSULTANTS

Panelists:

Kate Huckelbridge, *Deputy Director of Energy, Ocean Resources, and Federal Consistency*, CALIFORNIA COASTAL COMMISSION

Jennifer Lucchesi, *Executive Officer*, CALIFORNIA STATE LANDS COMMISSION

Christopher Potter, *Senior Environmental Specialist*, CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE

Necy Sumait, *Renewable Energy Section Chief, Pacific Regional Office*, BUREAU OF OCEAN MANAGEMENT (BOEM)

10:00-10:30 am

Networking Break

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| Incorporating Stakeholder Concerns in Offshore Wind Planning |
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10:30-11:10 am

Panel Discussion: **Balancing Commercial and Ocean Usage Factors in Project Planning**

Ocean usage has been a hot button issue for years, but the addition of floating offshore wind to the Pacific Coast is introducing new issues into an already complicated situation for many commercial users. The implementation of the Biden Administration's goal of conserving and restoring 30% of lands and waters by 2030 has both fishermen and the offshore wind development community watching closely and engaging with state and federal agencies. Adding to this are questions about the potential impact of the proposed Chumash Heritage National Marine Sanctuary and how deployment of offshore wind might affect commercial fisheries and shipping and the harbor facilities needed to support them. Fallout from last fall's pipeline spill off Huntington Beach is another consideration to factor into California's ocean users mix. This panel will explore how the concerns of longstanding ocean users could be incorporated in the offshore wind planning process to better balance these sometimes-competing priorities.

Moderator:

Jennifer Mattox, *Science Policy Advisor & Tribal Liaison*, CALIFORNIA STATE LANDS COMMISSION

Panelists:

Tyrone Conner, *Deputy Chief of Waterways Management, Eleventh Coast Guard District*, US COAST GUARD

Mike Conroy, PACIFIC COAST FEDERATION OF FISHERMEN'S ASSOCIATIONS and INSTITUTE FOR FISHERIES RESOURCES

William J. Douros, *Regional Director*, NOAA SANCTUARIES WEST COAST REGION

Mark Gold, *Executive Director*, OCEAN PROTECTION COUNCIL

Alla Weinstein, *CEO*, CASTLE WIND LLC

11:10-11:15 am

Group Luncheon Welcome Remarks by:

Jon Schultis, *Client Account Manager/Senior Project Manager*, JACOBS ENGINEERING GROUP

11:15 am-Noon

Panel Discussion: **Addressing Environmental Justice Concerns in Project Planning**

Offshore wind projects can positively impact diverse groups that in many cases have seldom dealt with offshore construction of any type, let alone offshore wind. Project success or failure will depend in part upon incorporating voices of tribes and other communities that historically have been heard when making siting decisions for energy infrastructure. The State of California has stepped up its efforts to include community engagement in all its energy siting and permitting proceedings. How is this likely to be incorporated in the complex federal and state offshore wind process? This panel will examine how to address environmental justice concerns with a focus on the potential for pollution mitigation and avoidance, wildfire risk reduction, and employment opportunities for disadvantaged and other communities.

Moderator:

Melissa James, *President & CEO*, REACH

Panelists:

Eddie Ahn, *Executive Director*, BRIGHTLINE DEFENSE

Jana Ganion, *Director, Sustainability and Government Affairs*, BLUE LAKE RANCHERIA

Terry Supahan, *Executive Director*, TRUE NORTH ORGANIZING NETWORK (KARUK TRIBE)

Lucas Zucker, *Policy and Communications Director*, CENTRAL COAST ALLIANCE UNITED FOR A SUSTAINABLE ECONOMY (CAUSE)

Noon-1:30 pm

Group Luncheon Sponsored by: JACOBS ENGINEERING GROUP

1:30-2:30 pm

Panel Discussion: **Developing a Plan for Monitoring and Mitigating Operational Impacts in High-Risk Areas**

Parts of the initial Wind Energy Areas off the California Coast can be characterized as biodiverse, with large populations of cetaceans and other marine mammals, as well as migratory birds. But just because these animals are present doesn't necessarily mean that offshore wind projects will result in significant impacts on them. However, concerns over the protection of native species and habitats have in the past led to legal challenges and delays. This panel will examine the monitoring and risk mitigation methods emerging to protect the marine environment both in the siting process and once projects become operational, and explore how these issues can be addressed prior to the permitting process to avoid potential legal issues later.

Moderator:

Elizabeth Diller, *Offshore Wind Program Manager*, ICF

Panelists:

Sandy Aylesworth, *Senior Advocate, Oceans*, NRDC

Brian J. Balcom, *Senior Scientist, Benthic Ecologist*, CSA OCEAN SCIENCES INC.

Shilo Felton, Ph.D., *Field Manager, Clean Energy Initiative*, NATIONAL AUDUBON SOCIETY

Mari Smultea, Ph.D., *CEO and Chief Scientist*, SMULTEA SCIENCES

2:30-3:00 pm

Networking Break

3:00-3:30 pm

Special Presentation: **Financing the Pacific Coast Offshore Wind Supply Chain**

The Biden Administration's goal of 30 gigawatts of U.S. offshore wind deployment by 2030 is a tremendous growth opportunity. Right now, the U.S. has less than 1% of global installed offshore wind capacity. Reaching the 30 by 30 deployment goal requires a ramp up of critically needed domestic construction and innovative component manufacturing, including a complex supply chain for assembly and buildout, new Jones Act-compliant maritime vessels, and grid interconnections for electricity distribution. Establishing these resources will require billions of dollars in capital investment. The U.S. Department of Energy's Loan Programs Office (LPO) is prepared to help fill the financing gap developers may face by serving as a bridge to bankability for breakthrough projects and technologies and de-risking them at early stages of investment so they can be deployed at commercial scale and achieve market acceptance. LPO is actively discussing opportunities with potential applicants and, to further support offshore wind projects and accelerate the development of the robust supply chain, is working with various stakeholders including states, ship builders, transmission equipment and cabling suppliers, and finance and insurance organizations.

Robert H. Edwards Jr., *Director, Outreach and Business Development, Loan Programs Office (LPO)*, U.S. DEPARTMENT OF ENERGY

3:30 – 3:35 pm

Welcome Remarks by the Reception Sponsor:

Paolo Casciotti, *General Manager, Sealaska Marine Services*, SEALASKA ENGINEERING AND APPLIED SCIENCES, LLC

International Forum

Perhaps more than any other clean energy source, "going big" has proven a key to success for offshore wind power. Industry experience from Europe and the U.S. East Coast has confirmed the importance of large commitments and economies of scale for driving down price, spurring market competition, and generating jobs and supply chain buildout for offshore wind.

This special session will bring together government and industry representatives from around the world to share their insights on ramping up floating offshore wind development, as well as the potential for international cooperation to reduce costs and accelerate project scope and scale.

3:35-5:00 pm

Panel Discussion: **International Guidance for Ramping Up a Floating Offshore Wind Industry**

Session sponsored by: Xodus Group

This special session will bring together leading international experts to discuss Europe's record of success in developing and building offshore wind, and provide guidance to Pacific Coast projects regarding advances in technology, cost reduction, transmission, industry collaboration, site selection, supply chain, and more.

Moderator:

Walt Musial, *Principal Engineer*, NATIONAL RENEWABLE ENERGY LABORATORY (NREL)

Panelists:

Michelle Gallagher, *Director of Global Bidding*, SSE RENEWABLES

Martin Hansen, *Deputy Director General*, DANISH ENERGY AGENCY

Bjørn Ladegård, *Vice President, Renewables Operations North America*, NEXANS NORWAY

Jonah Margulis, *Senior Vice President U.S. Operations*, AKER OFFSHORE WIND

5:00-6:00 pm

Networking Reception Sponsored by: SEALASKA ENGINEERING AND APPLIED SCIENCES, LLC

6:00 pm

Executive Briefing Adjourns

by: SEALASKA ENGINEERING AND APPLIED SCIENCES, LLC

6:00 pm

Executive Briefing Adjourns

PACIFIC OFFSHORE WIND SUMMIT



March 28 - 30, 2022 | Grand Hyatt San Francisco

Main Summit

March 29, 2022

7:00-7:45 am Registration & Networking Breakfast

7:45-8:00 Opening Remarks by the Summit Co-Chairs:

Paula Major, *Vice President, U.S. Offshore Wind*, MAINSTREAM RENEWABLE POWER; *Board Chair*, OFFSHORE WIND CALIFORNIA

Adam Stern, *Executive Director*, OFFSHORE WIND CALIFORNIA

Policies and Programs to Create a 10 GW or More Pacific Offshore Wind Project Pipeline

8:00-8:10 am

Keynote Address

Laura Daniel-Davis, *Principal Deputy Assistant Secretary for Lands and Minerals Management*, U.S. DEPARTMENT OF THE INTERIOR

8:10-8:40 am

Presentation: **Implementing AB 525: Strategic Planning for California Offshore Wind**

AB 525 is a major piece of energy legislation that requires the California Energy Commission to create 2030 and 2045 goals for offshore wind power, as well as develop a strategic plan to deploy offshore wind in federal waters off the West Coast. This encompasses addressing five broad challenges:

- Finding environmentally-responsible ways to deploy this clean energy resource
- Assessing offshore wind's potential as a complementary renewables resource to help California meet its 100% clean energy goals and mitigate its growing climate risks
- Setting specific GW goals for offshore wind deployment in California by 2030 and 2045
- Finding offtakers and resource commitments
- Coordinating and clarifying the roadmap for environmental and regulatory reviews and checks across state lands, state waters and federal waters

This presentation will discuss how CEC aims to organize its response to this landmark legislation.

Karen Douglas, *Senior Advisor for Energy*, OFFICE OF GOVERNOR GAVIN NEWSOM

Kourtney Vaccaro, *Commissioner*, CALIFORNIA ENERGY COMMISSION

8:40-9:25 am

Panel Discussion: **Pacific Offshore Wind's Role in Meeting Climate Goals Across the West**

Session sponsored by: Avangrid Renewables

Beyond California, Oregon, Washington and other western states have also enacted ambitious clean energy goals and are immersed in planning how best to meet them. What role could offshore wind play as a complementary resource vis-à-vis onshore wind, solar and other renewable assets? This panel will discuss their climate change plans and initiatives, and the role that offshore wind and support for its infrastructure development might play.

- How might offshore wind fit into a portfolio on both an hourly and seasonal basis?
- What benefits does offshore wind provide that onshore wind might not?

Moderator:

Jason Busch, *Executive Director*, PACIFIC OCEAN ENERGY TRUST

Panelists:

Travis C. Douville, PE, *Project Manager, Renewable Energy Systems Integration*, PACIFIC NORTHWEST NATIONAL LABORATORY (PNNL)

Eli Harland, *Advisor to Commissioner Kourtney Vaccaro*, CALIFORNIA ENERGY COMMISSION

Ruchi Sadhir, *Associate Director, Strategic Engagement*, OREGON DEPARTMENT OF ENERGY

Sarah Vorpahl, PhD, *Senior Energy Policy Specialist*, WASHINGTON STATE DEPARTMENT OF COMMERCE

9:25-9:55 am

Networking Break

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| Establishing a Sustainable Pacific Offshore Wind Pipeline |
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9:55-10:40 am

Panel Discussion: **Perspectives on Offshore Wind Offtake Procurement**

Session sponsored by: Longitude 123, Inc.

Assuming everything goes forward with leasing, planning and permitting, what will the procurement landscape for offshore wind power look like? California's Load Serving Entities encompass a wide variety of investor owned utilities, large public power entities, and Community Choice Aggregators (CCAs), all moving to fulfill their SB 100 obligations. This panel will explore the role that contracting for offshore wind could play in their clean energy plans.

- How could offshore wind meet their needs?
- How could offshore wind fit into their power procurement processes?
- Are they concerned with any potential contracting issues specific to offshore wind?

Moderator:

Varner Seaman, *Offshore Wind Director*, AMERICAN CLEAN POWER – CALIFORNIA

Panelists:

Tom Habashi, *Chief Executive Officer*, CENTRAL COAST COMMUNITY ENERGY

Matthew Marshall, *Executive Director*, REDWOOD COAST ENERGY AUTHORITY

Scott Martin, *Chief Strategy Officer*, SACRAMENTO MUNICIPAL UTILITY DISTRICT (SMUD)

Neil Raffan, *Regulatory Analyst*, CALIFORNIA PUBLIC UTILITIES COMMISSION (CPUC)

Jason Rondou, *Resource Planning, Development & Program*, Los Angeles Department of Water and Power (LADWP)

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| 10:40-10:45 am | Group Luncheon Welcome Remarks by: Carrie Cullen Hitt , <i>Executive Director</i> , NATIONAL OFFSHORE WIND RESEARCH AND DEVELOPMENT CONSORTIUM |
| 10:45-11:45 am | Panel Discussion: Creating a Sustainable Offshore Wind Industry in California—Growing from 4.6 GW to 10 GW and Beyond |
| | Session sponsored by: WSP |
| | How do offshore wind developers regard the prospects for establishing an expansive West Coast project pipeline? Can the lessons learned in Europe and the East Coast accelerate and expand the trajectory for offshore wind developments across the Pacific Coast? This panel of senior executives will share their perspectives on ramping up in the Pacific including: |
| | <ul style="list-style-type: none"> • What is the ultimate market potential – and why are they engaged? • What role do initiatives and incentives play in establishing an expansive offshore wind project pipeline? • How will supply chain formation drive cost reductions? • How can financeability be assured? |
| | Moderator: Adam Stern , <i>Executive Director</i> , OFFSHORE WIND CALIFORNIA |
| | Panelists: Knut Aanstad , <i>Vice President of US and Americas</i> , EQUINOR ASA David Anderson , <i>Senior Vice President for Renewables Growth</i> , BP James Cotter , <i>Vice President, Offshore Wind Americas</i> , SHELL NEW ENERGIES US LLC Paula Major , <i>Vice President, U.S. Offshore Wind</i> , MAINSTREAM RENEWABLE POWER; <i>Board Chair</i> , OFFSHORE WIND CALIFORNIA Rachel Pachter , <i>Chief Development Officer</i> , COPENHAGEN OFFSHORE PARTNERS Thomas Riding , <i>Director of Growth, Offshore North America</i> , ORSTED |
| 11:45-1:00 pm | Group Luncheon Sponsored by: NATIONAL OFFSHORE WIND RESEARCH AND DEVELOPMENT CONSORTIUM |
| 1:00-1:20 pm | Keynote Address Amanda Lefton , <i>Director</i> , BUREAU OF OCEAN ENERGY MANAGEMENT (BOEM) |

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| Infrastructure Development to Support the Pacific Offshore Wind Project Pipeline |
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| 1:20-2:20 pm | Panel Discussion: Transmission Planning and Interconnection Challenges Session sponsored by: Burns & McDonnell |
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Planning how to interconnect gigawatts of offshore wind to the grid will soon take center stage in the race to deploy offshore wind. The California Independent System Operator (CAISO) estimates 5-6 GW of capacity may be available on the Central Coast for offshore wind and other energy resources. In contrast, very little infrastructure exists to deliver power from California's North Coast. Previous experience from both Europe and the East Coast suggests that the decisions and investments made in transmission infrastructure can impact the cost and viability of future project locations. This panel will explore the potential for transmission projects to enable the delivery of power from offshore wind projects.

- What benefits have been seen worldwide when transmission infrastructure has been cooperatively planned?
- Could advances in HVDC technologies enable a better performing and economic interconnection plan?
- Should backbone systems be considered for West Coast projects?
- Would land-based system upgrades be more expedient to implement, but increase the costs for future projects?
- Can a second wave of projects be incorporated in transmission planning now?
- What consideration should be given to potential wildfire mitigation in planning for offshore wind transmission and interconnection, and in comparison to California's other renewable and conventional power resources?

Moderator:

Silvia Yanez, *Regional Market Leader Offshore Wind – Earth & Environment*, WSP

Panelists:

Scott Bolton, *Senior Vice President of Transmission Development*, PACIFICORP

Molly Croll, *Policy, Regulatory and Markets Manager*, AVANGRID RENEWABLES

Arne Jacobson, *Director*, SCHATZ ENERGY RESEARCH CENTER

Neil Millar, *Vice President of Infrastructure & Operations Planning*, CALIFORNIA INDEPENDENT SYSTEM OPERATOR (CAISO)

Hunter Stern, *Assistant Business Manager*, INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS (IBEW) LOCAL 1245

2:20-3:05 pm

Panel Discussion: **Investing in Seaport Facilities and Staging Areas**

Session sponsored by: ICF

As turbines and floating platforms get bigger, the demands for ports and staging areas increase. Initial investment is being targeted to develop facilities in the Humboldt and Coos Bay areas to serve the coming offshore wind pipeline. This panel will discuss the efforts currently underway to develop local facilities, as well as the need for additional seaport facilities.

- What port and other facilities will be needed to support Pacific Coast offshore wind projects?
- How might logistical and staging challenges be addressed?
- What locations hold the most promise? North and Central California, Oregon?

Moderator:

Aaron Porter, PE, *Principal Project Manager, Ports and Coastal*, MOTT MACDONALD

Panelists:

Matt Arms, *Director, Environmental Planning*, PORT OF LONG BEACH

John Burns, *CEO*, OREGON INTERNATIONAL PORT OF COOS BAY

Kristin Decas, *CEO and Port Director*, THE PORT OF HUENEME

Larry Oetker, *Executive Director*, HUMBOLDT BAY HARBOR, RECREATION, AND CONSERVATION DISTRICT

3:05-3:35 pm

Networking Break

Addressing Technical Performance, Cost and Construction Risks

3:35-4:20 pm

Panel Discussion: **Assessing the Cabling, Anchoring and Mooring Options**

Session sponsored by: NOV

The deepwater environment for Pacific Coast offshore wind projects presents myriad technology risks and challenges. The technologies involved in anchoring, mooring and interconnecting floating wind projects are advancing rapidly, while the decisions made about each will play an important role in determining offshore wind's success.

- How are mooring technologies advancing for floating offshore wind?
- What performance parameters for cable flexibility are needed?
- Where does cabling technology development stand today?
- What impacts might cable and mooring installation topology have on exclusion zones and commercial usage?

Moderator:

Matthew Hall, *Senior Engineer*, NATIONAL RENEWABLE ENERGY LABORATORY (NREL)

Panelists:

Tom Fulton, *Head of Renewables and Mooring Development*, ACTEON

Maxime Toulotte, *Head of Technical Marketing – Subsea & Land Systems*, NEXANS

Bill Wall, *Project Director*, LS CABLE SYSTEMS AMERICA

4:20-4:25 pm

Networking Reception Welcome Remarks by: **Tahiya Sultan**, *Counsel*, DAVIS WRIGHT TREMAINE LLP

4:25-5:10 pm

Panel Discussion: **Evaluating the Maturity and Performance of Floating Platforms**

Session sponsored by: GHD Group

Pacific Rim sites are in much deeper water than those for most projects being utilized on either side of the Atlantic, necessitating the employment of floating platforms and other technologies. What technologies are being rolled out? Which show the most promise? This panel will discuss the various types of floating platforms in development, and the results of those that have been deployed to date.

- What major categories of platforms are emerging, and what advantages do each have?
- Which platforms are becoming proven based on their deployment around the world?
- What issues need to be addressed in integrating advanced turbines with platform technologies?

Moderator:

Mike Olsen, *Vice President, Policy & Government Affairs*, AKER OFFSHORE WIND

Panelists:

Sonja Indrebø, *Vice President, Floating*, EQUINOR ASA

Alex Raventos, *CEO & Co-Founder*, X1 WIND

Aaron Smith, *Chief Commercial Officer*, PRINCIPLE POWER

Henrik Stiesdal, *CEO*, STIESDAL A/S

5:25-6:25 pm

Networking Reception Sponsored by: DAVIS WRIGHT TREMAINE LLP

March 30, 2022

7:00-8:00 am

Registration & Networking Breakfast

8:00-8:05 am

Opening Remarks by the Summit Co-Chairs:

Paula Major, *Vice President, U.S. Offshore Wind*, MAINSTREAM RENEWABLE POWER; *Board Chair*, OFFSHORE WIND CALIFORNIA

Adam Stern, *Executive Director*, OFFSHORE WIND CALIFORNIA

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| Supply Chain and Workforce Development for the Coming Pacific Offshore Wind Project Pipeline |
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8:05-8:30 am

Keynote Presentation: **Offshore Wind: New Opportunities for California's 21st Century Construction Workforce**

Andrew J. Meredith, *President*, STATE BUILDING & CONSTRUCTION TRADES COUNCIL OF CALIFORNIA

8:30-9:30 am

Panel Discussion: **Establishing a Supply Chain for Pacific Offshore Wind Projects**

Session sponsored by: RWE

One of the most important factors to drive down capital costs in any offshore wind project is establishing local manufacturing capabilities to support projects. However, floating offshore wind projects, and the industry to support them, have already ramped up in myriad locations in both Asia and Europe, leading many to believe that the first California projects will likely depend on long logistics chains. This panel will explore the prospects and opportunities to develop a "home shore" manufacturing base, and the tradeoffs with sourcing from overseas locations.

- What level of activity will it take to spur development of a California offshore wind manufacturing base?
- What kind of scale do manufacturers expect to achieve to support these projects, and what are the implications on capital costs?
- Will government support be needed, or forthcoming, to spur economic development?

Moderator:

Ross Gould, *Vice President for Supply Chain Development*, BUSINESS NETWORK FOR OFFSHORE WIND

Panelists:

Tony Appleton, *Offshore Wind Director*, BURNS & MCDONNELL

Jamie MacDonald, *Director of Operations*, XODUS GROUP

Kaina Pereira, *Senior Advisor, Business Development*, CALIFORNIA GOVERNOR'S OFFICE OF BUSINESS AND ECONOMIC DEVELOPMENT (GOBiz)

Abby Watson, *Senior Executive, New Markets Strategy*, MAINSTREAM RENEWABLE POWER

9:30-10:00 am

Networking Break

10:00-11:00 am

Panel Discussion: **Looking Beyond the Immediate: Meeting the Floating Offshore Wind Industry's Long-term Workforce Needs, Training Plans, and Job Creation**

Session sponsored by: State Building and Construction Trades Council of California

Construction and maintenance of offshore wind and related facilities represents substantial opportunity to deliver economic benefits to west coast communities. It also requires a highly skilled workforce. Many of the same skills and training applicable to other types of large energy or industrial projects also apply to offshore wind. This panel will explore traditional building and construction trades skills transferable to offshore wind, the role of existing workforce training infrastructure and strategies that support successful project deployment while creating high-road jobs in local communities.

- What skilled and trained workforce assets are currently available on the Pacific Coast?
- What kinds of training and workforce development partnerships might be needed?
At what point should developers start working on workforce engagement?
- How can the lessons being learned on East Coast projects be incorporated in offshore wind projects on the Pacific Coast?

Moderator:

Dan Jacobson, *Senior Advisor*, ENVIRONMENT CALIFORNIA

Panelists:

Chris Hannan, *Executive Secretary*, LOS ANGELES/ORANGE COUNTIES BUILDING & CONSTRUCTION TRADES COUNCIL

Jeff Hunerlach, *District Representative*, OPERATING ENGINEERS LOCAL 3

Micah Mitrosky, *International Representative*, INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS (IBEW) 9th DISTRICT

David S. Osborne, *President*, DISTRICT COUNCIL OF IRON WORKERS OF THE STATE OF CALIFORNIA AND VICINITY

Jon P. Preciado, *Business Manager*, SOUTHERN CALIFORNIA DISTRICT COUNCIL OF LABORERS

11:00 am-Noon

Panel Discussion: **Role of Regional Cooperation in Enhancing the Offshore Wind Opportunity**

Session sponsored by: Moffat & Nichol

One of the main cost reduction lessons learned in the development of European offshore wind has been the long-term value in carefully coordinating the development of shore facilities and supply chains. Countries that did this have experienced much more dramatic cost reductions and increased flexibility in the deployment of projects. This panel will explore the possibilities of cooperation among Pacific states to expand shore and supply chain facilities.

- Where might stimulus money flow for port development?
- Should transmission infrastructure at sea be developed to support both Oregon and Northern California projects?
- Will multiple port and onshore assembly areas be needed to support the project pipeline across the West Coast?

Moderator:

Stephanie McClellan, *Chief of Strategy and Policy*, TOTAL ENERGIES SBE US

Panelists:

John Burns, *CEO*, OREGON INTERNATIONAL PORT OF COOS BAY

Commissioner Ryan Calkins, PORT OF SEATTLE

Eli Harland, *Advisor to Commissioner Kourtney Vaccaro*, CALIFORNIA ENERGY COMMISSION

Jennifer States, *Vice President of Projects and Strategy*, WASHINGTON MARITIME BLUE

Noon

Summit Adjourns