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<thead>
<tr>
<th><strong>Docket Number:</strong></th>
<th>17-MISC-01</th>
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<tr>
<td><strong>Project Title:</strong></td>
<td>California Offshore Renewable Energy</td>
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<tr>
<td><strong>TN #:</strong></td>
<td>232368</td>
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<tr>
<td><strong>Document Title:</strong></td>
<td>Presentation BOEM California Intergovernmental Renewable Energy Task Force Meeting</td>
</tr>
<tr>
<td><strong>Description:</strong></td>
<td>Presentation for March 9, 2020 webinar</td>
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<tr>
<td><strong>Filer:</strong></td>
<td>Misa Werner</td>
</tr>
<tr>
<td><strong>Organization:</strong></td>
<td>California Energy Commission</td>
</tr>
<tr>
<td><strong>Submitter Role:</strong></td>
<td>Commission Staff</td>
</tr>
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<td><strong>Submission Date:</strong></td>
<td>3/10/2020 11:40:22 AM</td>
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<td><strong>Docketed Date:</strong></td>
<td>3/10/2020</td>
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BOEM California Intergovernmental Renewable Energy Task Force

March 9, 2020
Teleconference Dial In: 1-866-705-2554 | passcode: 193713
Web Link: http://kearnswest.adobeconnect.com/boemca/

Jean Thurston-Keller | California Task Force Coordinator
BOEM Pacific Office
Webinar meeting

Task Force is not a Federal Advisory Committee; only governmental agencies are able to be included

Meeting structure

• Task Force meeting: 9:00-11:00 AM
  ▪ Asking questions/making comments during official meeting is limited to Task Force members
  ▪ Opportunities for clarifying questions, plus 30-minute Task Force discussion

• Public input opportunity: 11:00 AM – 12:00 PM, after Task Force adjourns
  ▪ Public can ask questions or make comments

Available following meeting: webinar recording, PPTs, meeting summary
• “Honor” the agenda
• Participate actively and respectfully
• Focus comments and speak concisely
• Speak in order; facilitator will mind the queue
• Speak clearly into the phone for others to hear you
• Provide your name and affiliation each time you speak
• Please select the mute button to mute your audio to the phone when you’re not speaking
• The phone line will be kept on mute unless a participating Task Force member requests to speak
Webinar Guidelines

• Please select *6 or the mute button to mute your audio to the phone (Please do not put the line on hold!)

• Click the “raise hand” icon in the top of the webinar window to enter the discussion queue; click again to lower your hand after speaking

• You can also share comment and questions using the chat pod in the bottom left of the webinar window (list your name & affiliation)

• Click the “full screen” button – top right of the presentation pod – to make the presentation bigger

• There will be several polls throughout the webinar which we will use to help focus the discussion, and to inform future activities
Introductions
Introductions – Task Force Members

**Tribes**
- North of San Francisco
- San Francisco to Point Conception
- South of Point Conception

**Elected Officials**
- North of San Francisco
- South of San Francisco

**State Agencies**
- CA Energy Commission
- CA Dept of Fish and Wildlife
- CA Dept of Conservation
- CA State Parks
- CA Dept of Water Resources
- CA Public Utilities Commission
- CA Coastal Commission
- CA Ocean Protection Council
- CA Natural Resources Agency
- CA EPA
- CA State Lands Commission
- CA State Water Resources Control Board
- CA Ocean Protection Council
- CA Fish & Game Commission
- CA State Historic Preservation Office
- Office of Governor Gavin Newsom
- Governor’s Office of Planning & Research

**Federal Agencies**
- Bureau of Ocean Energy Management
- U.S. Fish & Wildlife Service
- U.S. Coast Guard
- National Oceanic & Atmospheric Administration
- Federal Energy Regulatory Commission
- Federal Communications Commission
- Bureau of Land Management
- U.S. Geological Survey
- Bureau of Safety and Environmental Enforcement
- U.S. Environmental Protection Agency
- U.S. Army Corps of Engineers
- National Park Service
- Dept of Energy
- Federal Aviation Administration
- Department of Defense
- U.S. Bureau of Indian Affairs
- National Aeronautics and Space Administration
Agenda

- Purpose of Meeting
- Status of BOEM Leasing Process
- Research and Studies Update
- Working Group Summary and Map
- California Energy Commission’s ‘Notice of Availability’
- Task Force Discussion
- Next Steps
Purpose of Meeting

- Update Task Force members on progress since September, 2018 meeting
- Discuss additional considerations for wind energy offshore the central coast
- Outline proposed future public outreach approach
- Discuss next steps for the Task Force
Opening Remarks
Status of BOEM Leasing Process

Research & Studies
Published Call for Information and Nominations in October 2018
- 100-day comment period
- 118 comments received
- 14 nominations of interest

BOEM is currently in the Area Identification stage of our planning process

A working group formed by Congressman Carbajal, Congressman Panetta, DoD, BOEM NOAA Sanctuaries and the State of California met several times to discuss additional considerations for offshore wind on the central coast
Public Comments – 118 Total

- General Support - 23
- Birds - 20
- Regulatory Process - 20
- Fishing - 18
- Viewshed - 12
- Marine Mammals - 11
- General Opposition - 8
- Vessel Navigation - 6
BOEM Research Activities - Ongoing

- Collection of Metocean Resource Characterization Data off the California Coast
- Visualization Simulations for the California Offshore Wind Energy Call Areas
  - Humboldt, Morro Bay and Diablo Canyon Call Areas
  - Morro Bay Call Area additional simulations
Ocean Protection Council Activities

○ **2020-2025 OPC Strategic Plan**
  ○ **Goal:** Work towards development of a commercial scale offshore wind project in California that minimizes impacts on marine biodiversity or habitat, currents and upwelling, fishing, cultural resources, navigation, aesthetic/visual, and military operations by 2026
  ○ **Actions:** 1) With partners, develop statewide policy to facilitate responsible implementation of projects and develop criteria for offshore wind projects by 2024. 2) Fund research and baseline data collection to assess the environmental impacts of potential offshore wind projects

○ **Studies Underway**
  ○ North Coast Offshore Wind Feasibility Study - HSU
  ○ Assessment of existing marine and coastal datasets and identify data gaps – CBI and Point Blue
  ○ Additional studies under consideration
Solicitation GFO-19-302 - Next Wind (Amount Recommended: $8M)

Group 2: Real-Time Monitoring Systems for Next-Generation Offshore Wind (Recommended projects: Aker Solutions and Livermore Berkeley National Lab)

Group 3: Environmental Risk Assessment for Offshore Wind Energy Systems (Recommended projects: Humboldt State University and Integral Consulting)

Study: Research and Development Opportunities for Offshore Wind Energy in California (Recipient: Navigant)

Identified R&D Recommendations: 6 technology innovation, 3 environmental and resource research, and 2 other research areas

Research Database

Study: Research Roadmap for Cost and Technology Breakthroughs for Renewable Energy Generation (Recipient: Energetics Incorporated)

Offshore wind initiatives: 3 R&D recommendations
Agency Working Group Summary
On August 21, 2019, Congressman Carbajal hosted a meeting with senior officials from DoD, BOEM, the National Oceanic and Atmospheric Administration (NOAA Sanctuaries), the California Energy Commission (CEC), and state and locally elected representatives.

A group comprised of DoD, BOEM, NOAA Sanctuaries, Congressman Panetta’s office and state agencies (CEC and OPC) led by Congressman Carbajal’s office met multiple times following the August 21, 2019 meeting.
California Energy Commission’s Notice of Availability
## Currently Planned Outreach

<table>
<thead>
<tr>
<th>Activity</th>
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<tbody>
<tr>
<td>1. Public Notice of Availability Released</td>
<td>February 7, 2020</td>
</tr>
<tr>
<td>2. BOEM-CA Intergovernmental Renewable Energy Task Force Webinar</td>
<td>March 9, 2020</td>
</tr>
<tr>
<td>3. Informational presentation to Big Sur Multi-Agency Advisory Council</td>
<td>March 20, 2020</td>
</tr>
<tr>
<td>4. Informational presentation to Monterey Bay National Marine Sanctuary Advisory Council</td>
<td>April 17, 2020</td>
</tr>
<tr>
<td>5. Central Coast Public Workshop (notice will be sent from CEC’s “offshoreenergy” listserv)</td>
<td>Spring/Early Summer 2020</td>
</tr>
</tbody>
</table>

The State and BOEM will schedule informational meetings with tribal governments and may schedule informal meetings with stakeholders.
A study by the National Renewable Energy Laboratory found that areas off the West Coast and Hawaii have the potential of generating more than 1½ trillion watts of energy. That study also found that offshore wind hourly power characteristics are complementary to solar in California.

For California, offshore wind farms would likely be sited far from the coast in federal waters, which starts three miles from shore and out to 200 nautical miles. Wind farms will likely use floating wind platforms, given the depth of the ocean when sited past the Continental Shelf.

EVENTS

**Staff Workshop, Research and Development Opportunities for Floating Offshore Wind Energy in California**

March 4, 2020 | 10:00 AM - 12:00 PM
Art Rosenfeld Hearing Room
California Energy Commission (CEC) staff and Navigant, a Guidehouse Company will present the results of the study "Research and Development

**RELATED LINKS**

Previous Workshops and Documents
Presentations from October 3, 2019, IEPR Commissioner Workshop on Offshore Wind

- Docket Log (17-MISC-01)
- Submit Comments (17-MISC-01)

Bureau of Ocean Energy Management – California Activities
California Offshore Wind Energy Gateway
## Docket Log

**Docket:** 17-MISC-01  
**Project Title:** California Offshore Renewable Energy  
**Generated On:** 2/29/2020 3:08:44 PM

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<tr>
<td>232228</td>
<td>2/26/2020</td>
<td>BOEM Notice of California Task Force Meeting</td>
<td>1 page(s)</td>
<td>CEC/Docket Unit</td>
<td>California Energy Commission</td>
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<td>232095</td>
<td>2/19/2020</td>
<td>Danielle Osborn Mills Comments - AWEA-California Statement on 2-7-26 Release of Maps</td>
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<tr>
<td>232099</td>
<td>2/11/2020</td>
<td>Offshore Wind California Comments - Comments of Offshore Wind California on January 28, 2020 Workshop</td>
<td>3 page(s)</td>
<td>CEC/Docket Unit</td>
<td>Offshore Wind California</td>
</tr>
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**Notice of Availability of Outreach on Additional Considerations for Offshore Wind off the Central Coast of California**

Notice of Availability of Outreach on Additional Considerations for Offshore Wind off the Central Coast of California  
8 page(s)
Public Comments on Notice of Availability

- **Written comments by May 15, 2020** (or later depending on timing of Central Coast public workshop)

- **E-Commenting System:**

- **Email:** Include the docket number, 17-MISC-01, and Offshore Renewable Energy in the subject line and send to docket@energy.ca.gov.

- **Mail:** California Energy Commission Docket Unit, MS-4
  
  Re: Docket No. 17-MISC-01
  
  1516 Ninth Street
  
  Sacramento, CA 95814-5512
Sign up on the CEC “Offshoreenergy” Listserver

www.energy.ca.gov/offshore-renewable-energy

California
March 4, 2020 | 10:00 AM - 12:00 PM
Art Rosenfeld Hearing Room
California Energy Commission (CEC) staff and Navigant, a Guidehouse Company will present the results of the study "Research and Development Opportunities for Offshore Wind Energy in California" under Electric Program Investment Charge (EPIC) contract NAV-15-036.

### PAST EVENTS

1 - 1 OF 1 EVENTS

| JAN 28 | Staff Workshop - Offshore Renewable Energy - California Offshore Wind Research, Data, and Applications |

Submit Comments (17-MISC-01)
Bureau of Ocean Energy Management – California Activities
California Offshore Wind Energy Gateway

**SUBSCRIBE**

Offshore Renewable Energy

First Name *
First Name

Last Name *
Last Name

Email *
Email
Task Force Discussion
Next Steps

Task Force Coordinator: Jean.Thurston-Keller@boem.gov
(805) 384-6303
Closing Remarks

This concludes the formal Task Force meeting
Interested members of the public are encouraged to provide input on the topics discussed today.
Process Guidelines for Public Input Opportunity

• Overview of public participants (from poll)
• Speak in order; facilitator will mind the queue
• Provide your name and affiliation before you speak
• Can ask a question or share a comment (2-3 minutes max); please be respectful of everyone’s time and opportunity to speak

• To enter into the discussion queue:
  
  o Click the “raise hand” icon in the top of the webinar window; click again to lower your hand after speaking
  
  o Use the chat pod in the bottom left of the webinar window

• Please place yourself on mute when not speaking

• Formal public comment opportunity: response to CEC Notice (through May 15)
<table>
<thead>
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<th>Nomination</th>
<th>Humboldt</th>
<th>Morro Bay</th>
<th>Diablo Canyon</th>
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<tbody>
<tr>
<td>1. Algonquin Liberty Power</td>
<td></td>
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<td>2. wpd Offshore Alpha LLC</td>
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<td>3. Avangrid Renewables</td>
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<td>4. Castle Wind, Inc.</td>
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<td>5. Clerco Corporation</td>
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<td>6. EDF Renewables</td>
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<td>7. EDP Renewables (EDPR)</td>
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<td>8. EC&amp;R (eON) Renewables</td>
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<td>9. Equinor Wind US LLC</td>
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<td>10. Mission Floating Wind (Magellan)</td>
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<td>11. Northcoast Floating Wind (Magellan)</td>
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<td>12. Northland Power</td>
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<td>13. Redwood Coast Energy Authority (RCEA)</td>
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<td>14. US Mainstream Renewable Power</td>
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Miles

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Written comments by May 15, 2020 (or later depending on timing of Central Coast public workshop)


Email: Include the docket number, 17-MISC-01, and Offshore Renewable Energy in the subject line and send to docket@energy.ca.gov.

Mail: California Energy Commission Docket Unit, MS-4
Re: Docket No. 17-MISC-01
1516 Ninth Street
Sacramento, CA 95814-5512