

DOCKETED

Docket Number:	17-MISC-01
Project Title:	California Offshore Renewable Energy
TN #:	232422
Document Title:	Revised Presentation BOEM California Intergovernmental Renewable Energy Task Force Meeting
Description:	Supercedes TN232368. Typo on slide 15 corrected.
Filer:	Misa Werner
Organization:	California Energy Commission
Submitter Role:	Commission Staff
Submission Date:	3/16/2020 11:20:32 AM
Docketed Date:	3/16/2020

BOEM

Bureau of Ocean Energy
Management

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



Process Guidelines

- **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**



Process Guidelines – Proposed Ground Rules

- **“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



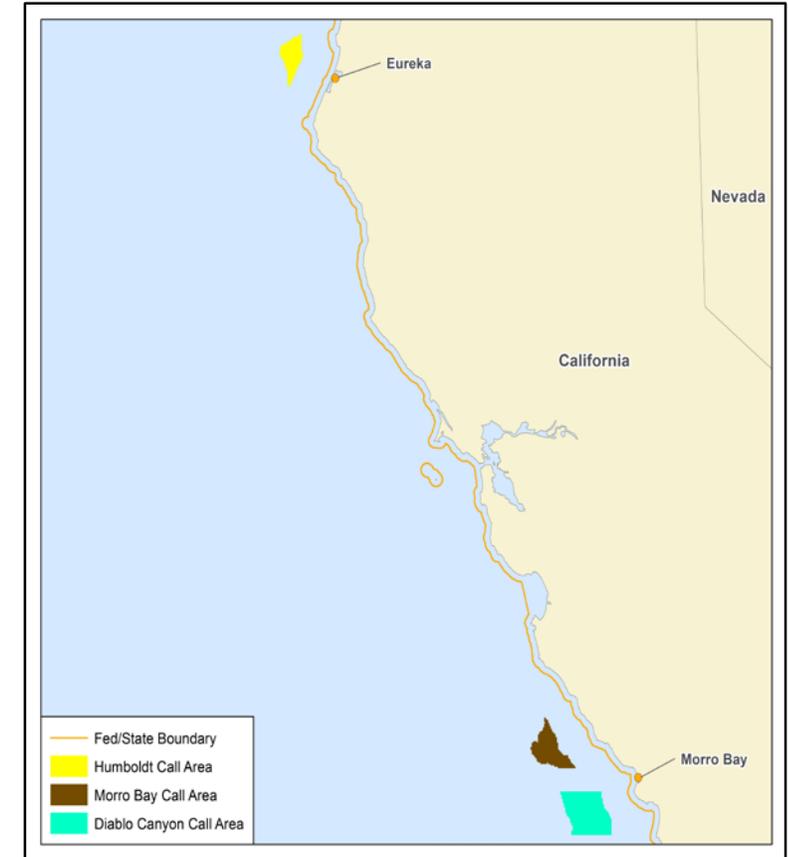
Status of BOEM Leasing Process

Research & Studies



Status of BOEM's Leasing Process

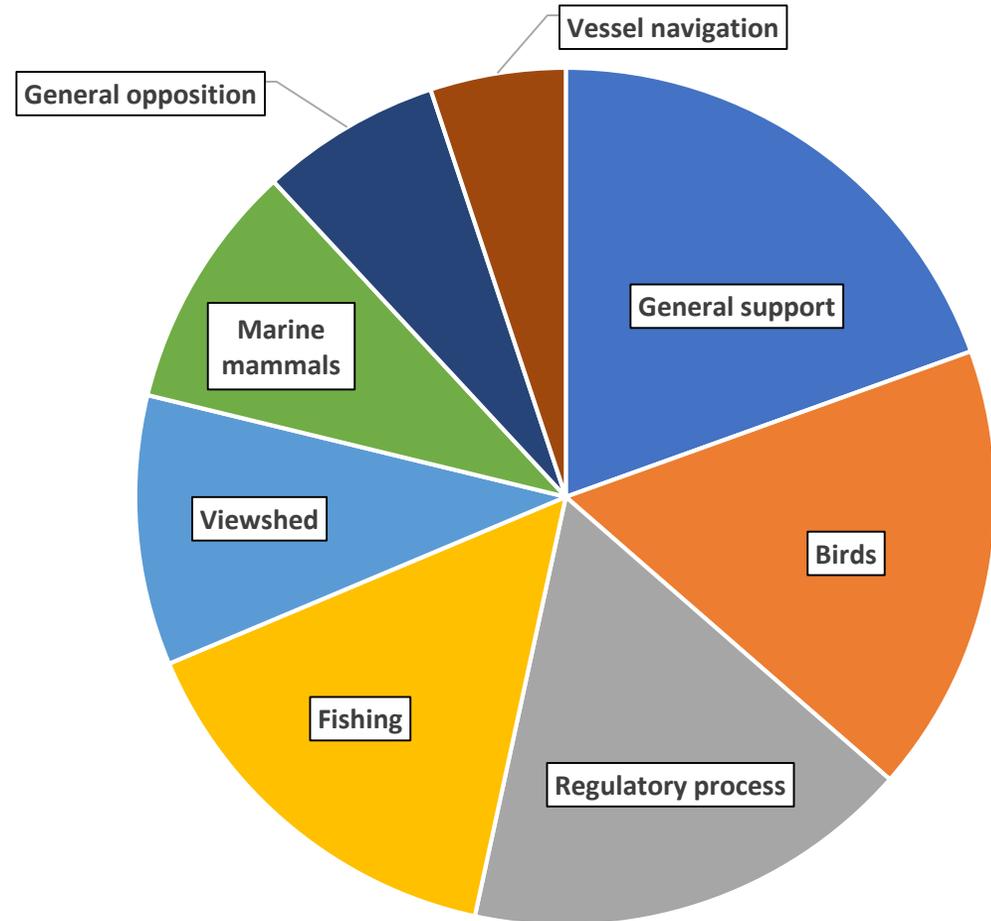
- **Published Call for Information and Nominations in October 2018**
 - 100-day comment period
 - 118 comments received
 - 14 nominations of interest
- **BOEM is currently in the Area Identification stage of our planning process**
- **A working group formed by Congressman Carbajal, Congressman Panetta, DoD, BOEM NOAA Sanctuaries and the State of California met several times to discuss additional considerations for offshore wind on the central coast**



Comments Received in Response to BOEM's Call

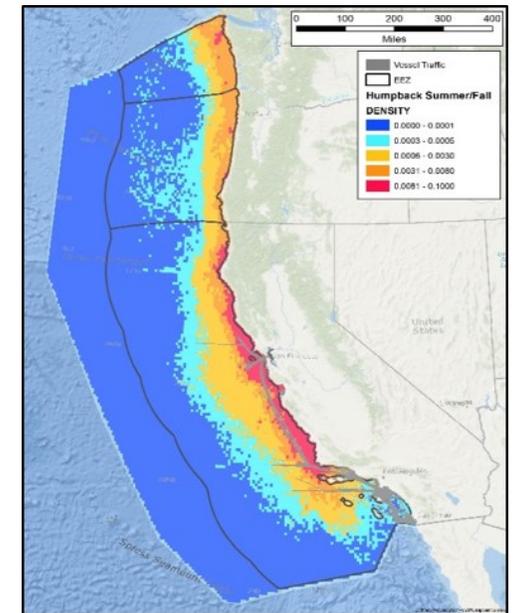
Public Comments – 118 Total

- 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



CEC ERDD Research Activities - Ongoing

- **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 Lawrence 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 area
 - **Research Database**
- **Study: Research Roadmap for Cost and Technology Breakthroughs for Renewable Energy Generation (Recipient: Energetics Incorporated)**
 - **Offshore wind initiatives:** 3 R&D recommendations



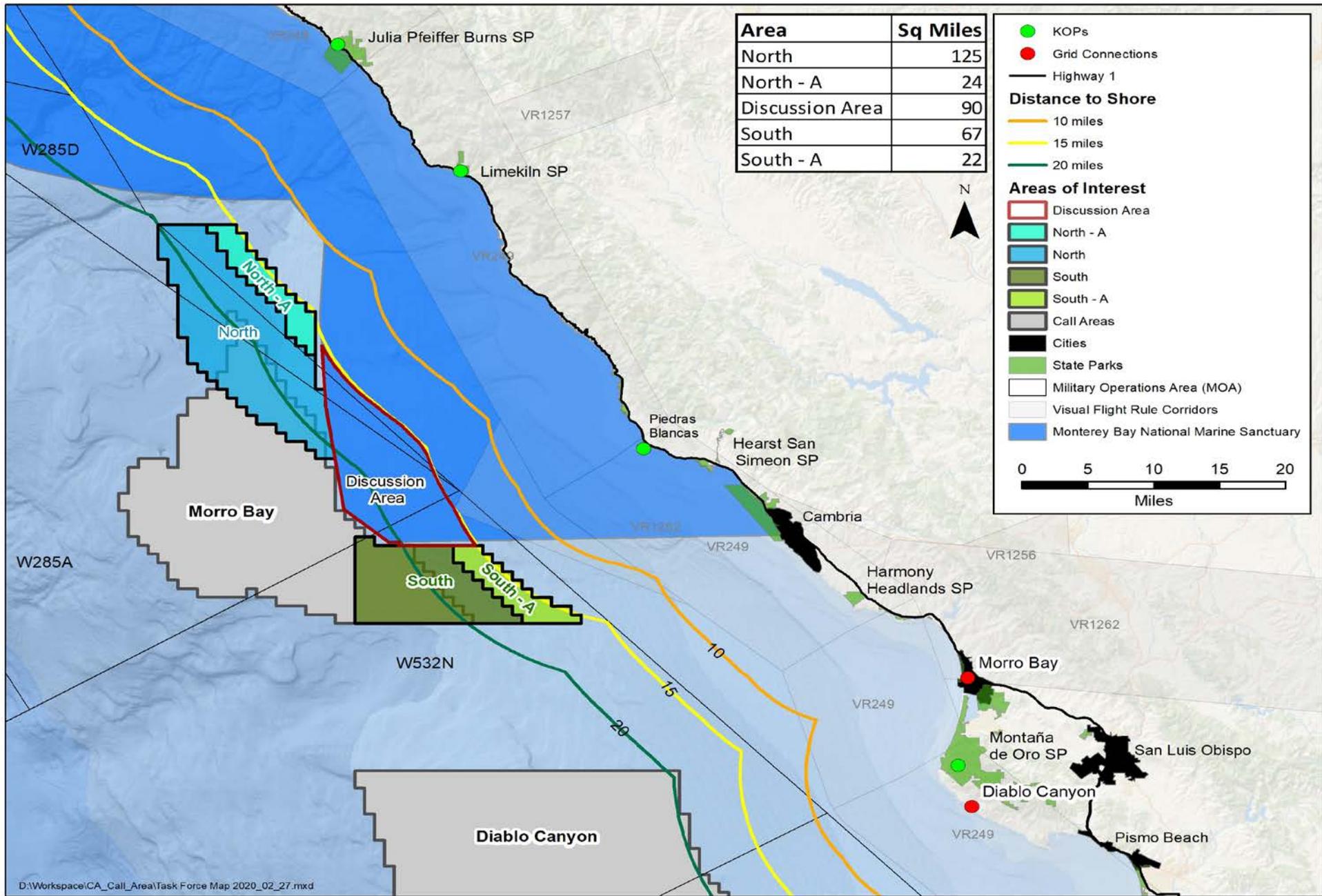
Agency Working Group Summary



Agency Working Group

- **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**





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California Energy Commission's Notice of Availability



Currently Planned Outreach

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

The State and BOEM will schedule informational meetings with tribal governments and may schedule informal meetings with stakeholders



CEC Offshore Renewable Energy Webpage

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

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

MAR
04

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

[Scott Flint](#)

[Christine Root](#)

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](#)



CEC Offshore Renewable Energy Docket Log

efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=17-MISC-01

CA.GOV CALIFORNIA ENERGY COMMISSION

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Docket Log

Docket: 17-MISC-01
Project Title: California Offshore Renewable Energy
Generated On: 2/28/2020 3:08:44 PM

Include: Documents Comments Transcripts

↓ TN #	Docketed Date	Document Title	Exhibit #	To	From
232228	2/26/2020	BOEM Notice of California Task Force Meeting This item is a notice from BOEM for the March 9, 2020 BOEM-CA Intergovernmental Task Force Webinar 1 page(s)		CEC/Docket Unit	California Energy Commission
232095	2/19/2020	Danielle Osborn Mills Comments - AWEA-California Statement on 2-7-20 Release of Maps 3 page(s)		CEC/Docket Unit	Danielle Osborn Mills
232009	2/11/2020	Offshore Wind California Comments - Comments of Offshore Wind California on January 28, 2020 Workshop 3 page(s)		CEC/Docket Unit	Offshore Wind California
231989	2/7/2020	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 6 page(s)		CEC/Docket Unit	California Energy Commission



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:**
<https://efiling.energy.ca.gov/Ecomment/Ecomment.aspx?docketnumber=17-MISC-01> OR go to energy.ca.gov/offshore-renewable-energy “submit comments” link on the right-hand side.
- **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.

Submit Comments (17-MISC-01)

Bureau of Ocean Energy Management -
California Activities

California Offshore Wind Energy Gateway

PAST EVENTS

1 - 1 OF 1 EVENTS



JAN

28

**Staff Workshop - Offshore Renewable Energy - California
Offshore Wind Research, Data, and Applications**

SUBSCRIBE

Offshore Renewable Energy

First Name *

Last Name *

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



Public Input Opportunity

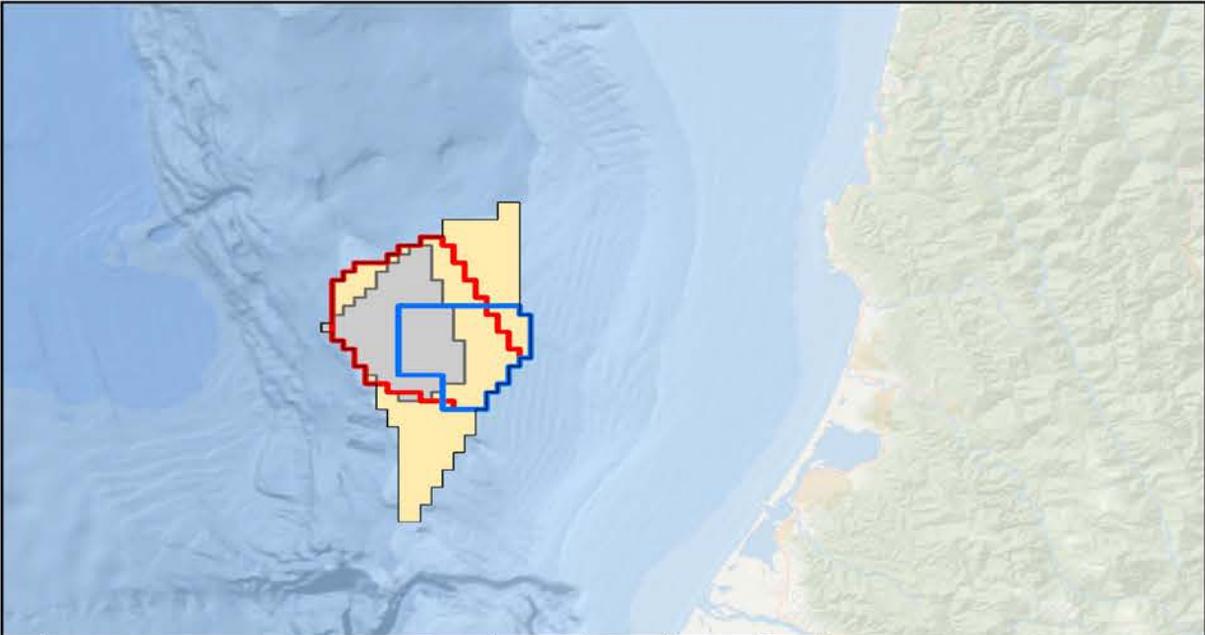
Interested members of the public are encouraged to provide input on the topics discussed today



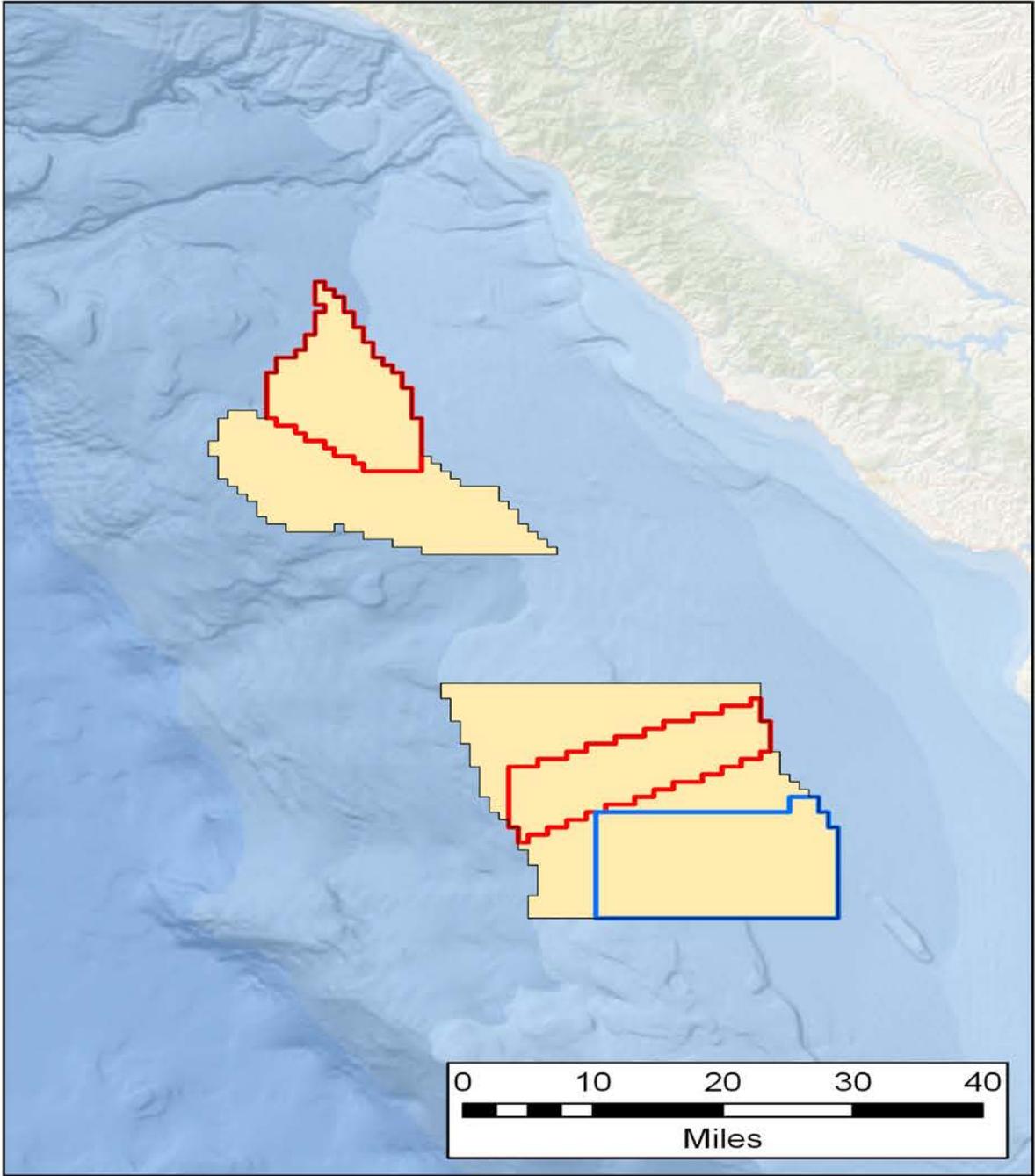
Process Guidelines for Public Input Opportunity

- 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:
 - Click the “raise hand” icon in the top of the webinar window; click again to lower your hand after speaking
 - 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)





#	Nomination	Humboldt	Morro Bay	Diablo Canyon
1	Algonquin Liberty Power			
2	wpd Offshore Alpha LLC			
3	Avangrid Renewables			
4	Castle Wind, Inc.			
5	Cierco Corporation			
6	EDF Renewables			
7	EDP Renewables (EDPR)			
8	EC&R (eON) Renewables			
9	Equinor Wind US LLC			
10	Mission Floating Wind (Magellan)			
11	Northcoast Floating Wind (Magellan)			
12	Northland Power			
13	Redwood Coast Energy Authority (RCEA)			
14	US Mainstream Renewable Power			



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