

Good morning! / Good evening!

The Humboldt Wind Energy Area Scoping for the Development of an Environmental Assessment Meeting will begin at 9am/5pm PT.

If you are encountering any technical issues, please contact Jasmine King at jking@kearnswest.com





BOEM Bureau of
Ocean Energy Management

Humboldt Wind Energy Area Scoping for the Development of an Environmental Assessment

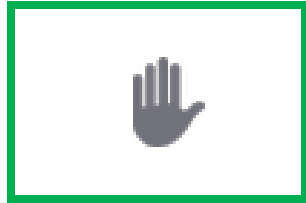
August 24, 2021

BOEM Pacific Office

Zoom Webinar Instructions – Members of the Public



- Members of the public will be muted throughout the scoping meeting and will not be able to unmute themselves.



- Members of the public will have the opportunity to share verbal public comments during the public comment opportunity.

- Use the “raise hand” feature or dial *9 to indicate you would like to provide public comment.



- The Q&A function will be open for questions related to the environmental scoping process.

- Use the chat function within Zoom for any technical difficulties.

This meeting is being recorded



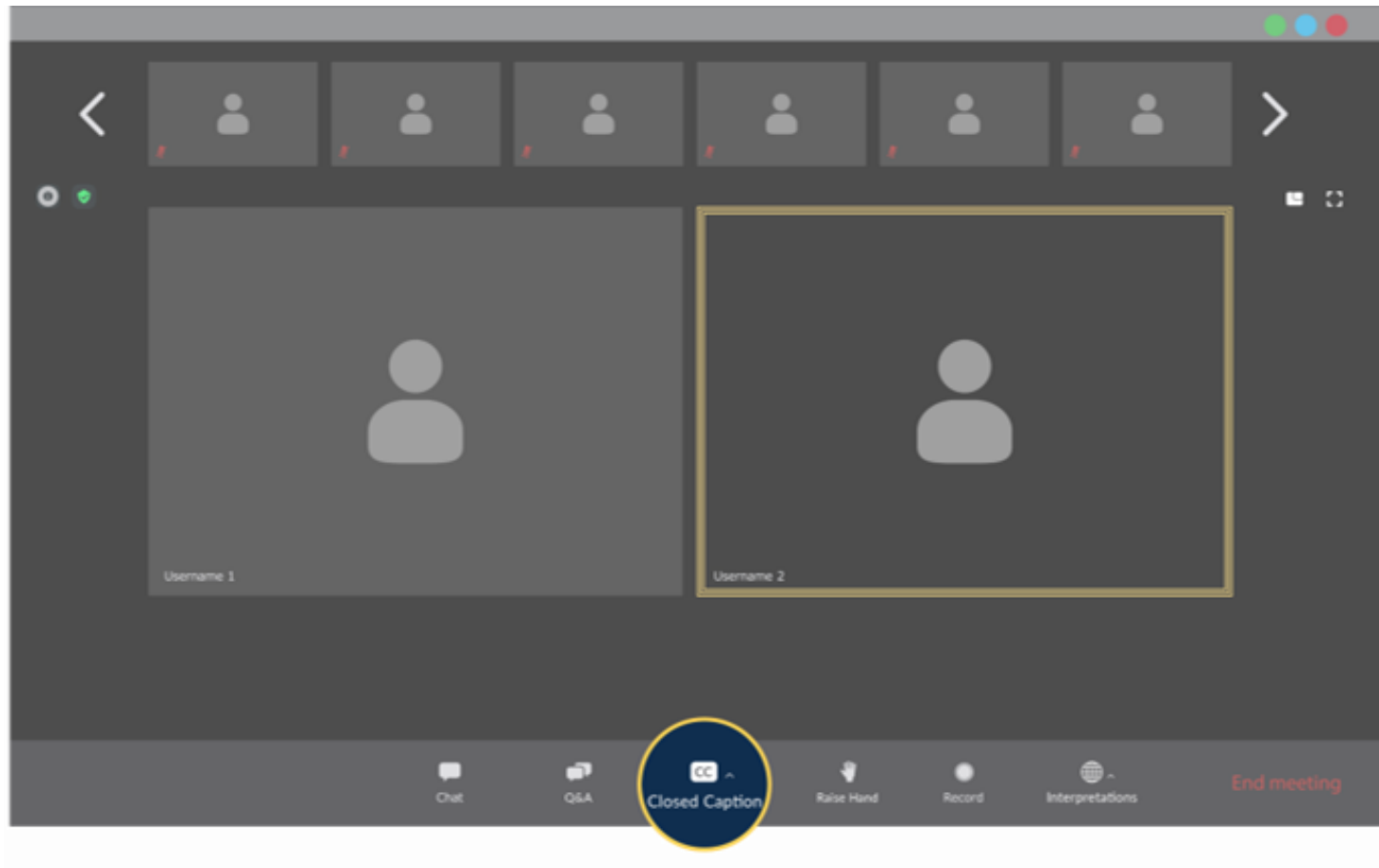
Zoom Webinar Instructions – Technical Assistance

- We will share relevant links and information through the "chat" feature.
- Please use the chat *only* for requests for technical assistance.
- If you are participating by phone, raise your hand for help by **dialing * 9**.
- If you encounter any technical difficulties throughout the webinar, please message or email Jasmine King at jking@kearnswest.com or message “Technical Assistance” in the chat.



Zoom Webinar Instructions – Closed Captioning

Closed Captions can be found here:



Meeting Objectives

1. Provide information on the Humboldt WEA environmental review process
2. Inform comments on the Humboldt Wind Energy Area (WEA)
3. Provide an opportunity for the public to give input on what should be considered in the Humboldt Wind Energy Area (WEA) Environmental Assessment (EA)
4. Answer questions related to the scoping process



Agenda

- Facilitator's Welcome
- Welcome and Opening Remarks
- Presentation - Outer Continental Shelf Wind Energy Leasing in California
- Presentation – Scoping
- Clarifying Questions on the Environmental Scoping Process
- Public Comment Opportunity
- Closing and Next Steps



Process Guidelines

- “Honor” the agenda.
- Participate actively and respectfully.
- Speak in order; facilitator will mind the queue.
- Speak clearly into the mic/phone for others to hear you.
- Provide your name and affiliation when you speak.
- Please select the mute button to mute your audio to the phone when you’re not speaking.



Poll 1 – Who has joined the webinar?
Identify your affiliation



Poll 2 – Public Comment

Are you planning on providing public comment today?



Welcome & Opening Remarks

Richard Yarde, Regional Supervisor, Office of Environment





Outer Continental Shelf Wind Energy Leasing in California

Humboldt Environmental Assessment Scoping Meeting
August 24, 2021

August 24, 2021

Jean Thurston-Keller, CA Intergovernmental Renewable Energy Task Force Coordinator | Humboldt Wind Energy Area



Overview

- BOEM's Responsibilities
- Approach of Offshore Wind Energy Planning in California
- BOEM Offshore Wind Energy Authorization Process
- Environmental Assessment of Offshore Wind Energy Leasing
- North Coast Status Update
- Lease Sale



Approach for Offshore Wind Energy Planning in California

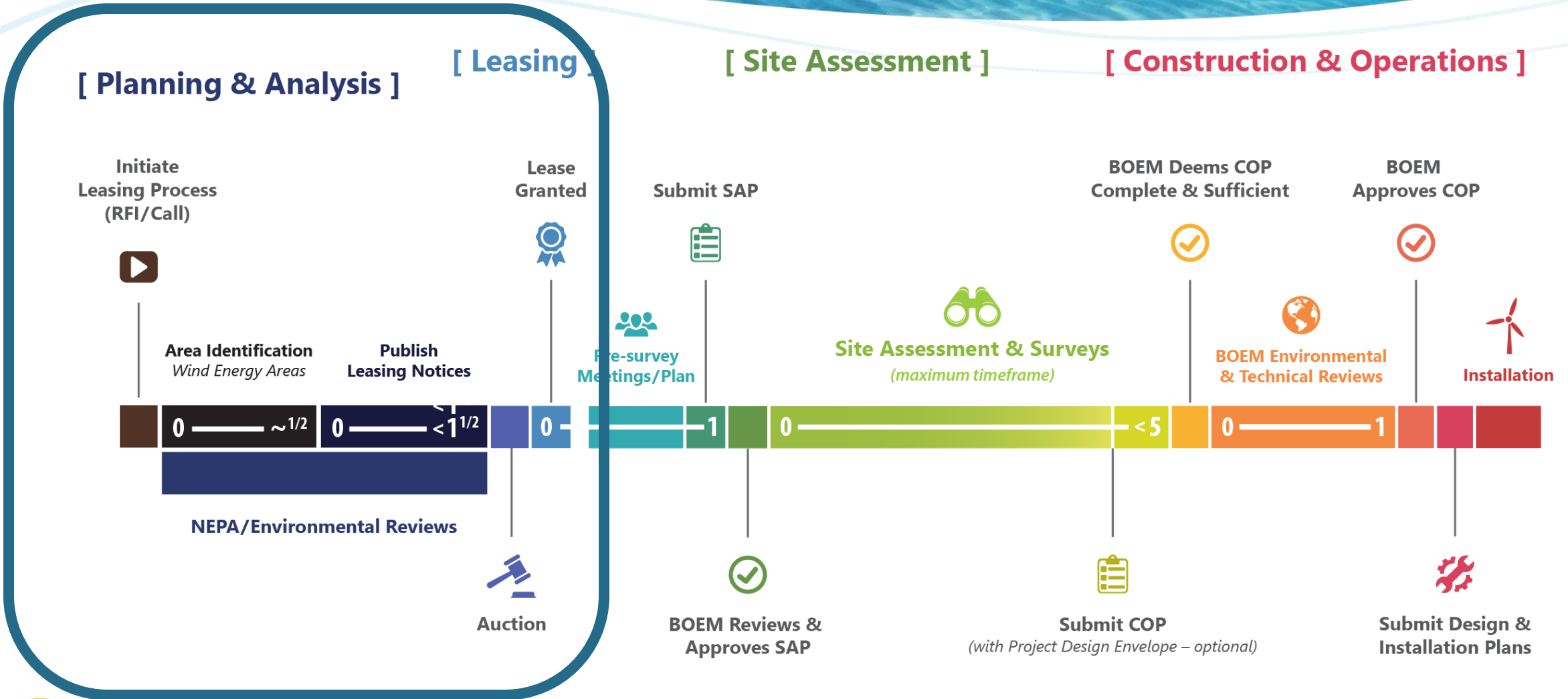
- Established the BOEM California Intergovernmental Renewable Energy Task Force
- Created Offshore Wind Energy Gateway for data collection in publicly accessible website: www.caoffshorewind.databasin.org
- Conducted extensive outreach and engagement with stakeholders
- Published Call for Information and Nominations in the Federal Register in October 2018: 118 comments, 14 nominations
- Coordination, outreach and engagement with Tribal Governments, State of California, Federal agencies, State agencies with over 80 meetings
- Employing scientific studies and analyses to support informed decision-making



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BOEM's Offshore Wind Energy Authorization Process



Current California Status in BOEM's Authorization Process

Call for Information and Nominations



Public Comment

45 days

Area Identification *Wind Energy Areas*

0 ————— ~ 1/2

Humboldt

Leasing Document Development

0 ————— < 1 1/2

Public Comment

60 days

Environmental Assessment Process & Public Involvement



Proposed Sale Notice

CZMA Consultation



Final Sale Notice

Potential Task Force Meetings/Webinars



Call



Area ID

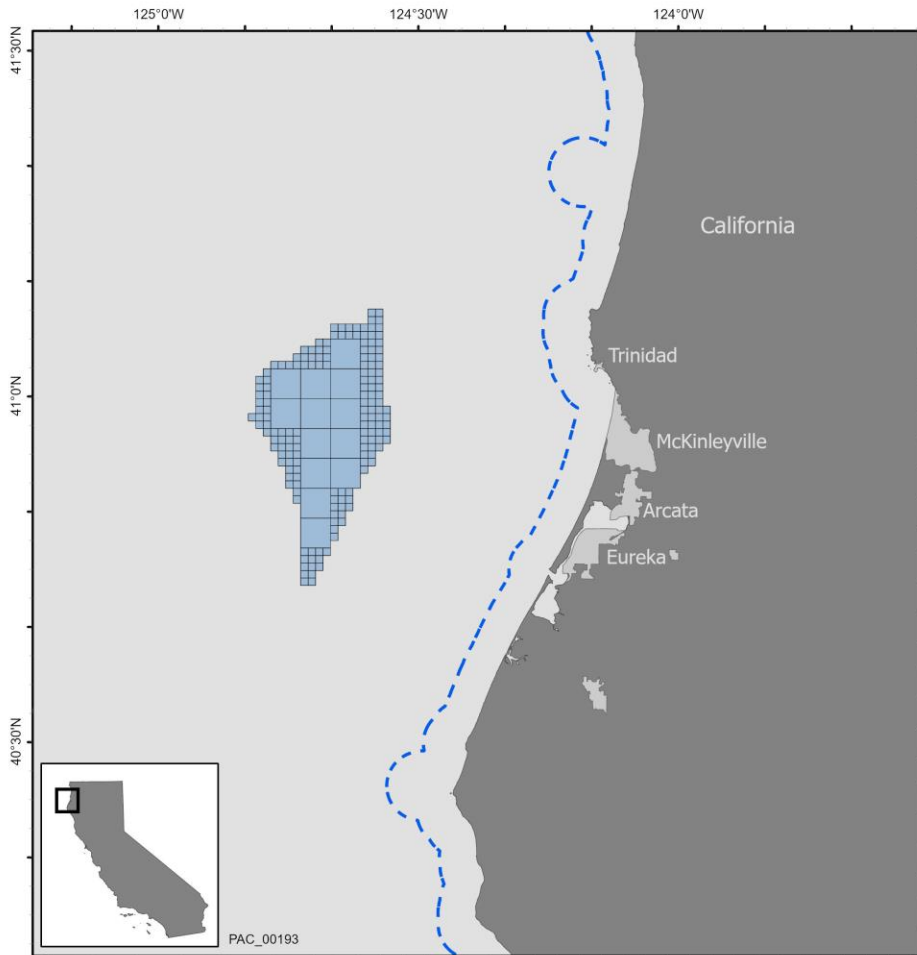


PSN

Auction



Northern California and Central California Areas

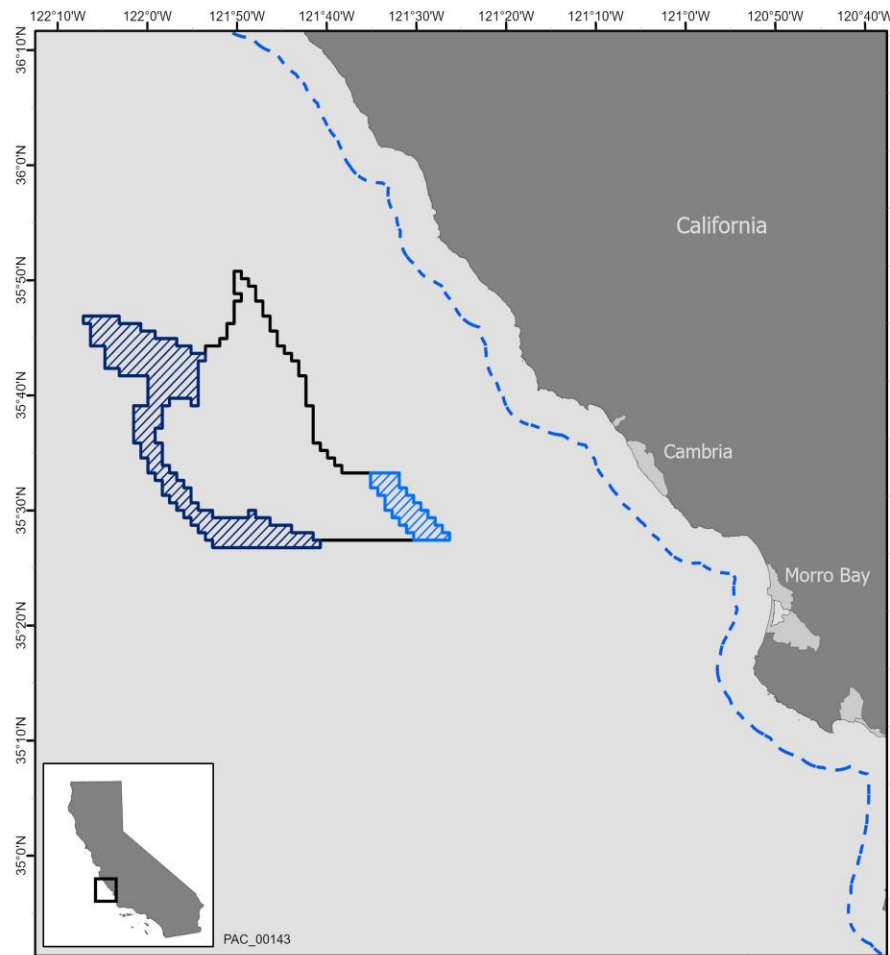


Humboldt Wind Energy Area

- - - Federal / State Boundary
- Humboldt Wind Energy Area

Map Date: 07/26/2021

Bureau of Ocean Energy Management



Morro Bay Call Area Extensions

- - - Federal / State Boundary
- ▨ East Extension (23 sq mi)
- ▩ West Extension (118 sq mi)
- Morro Bay Call Area 2018

Map Date: 05/26/2021

Bureau of Ocean Energy Management



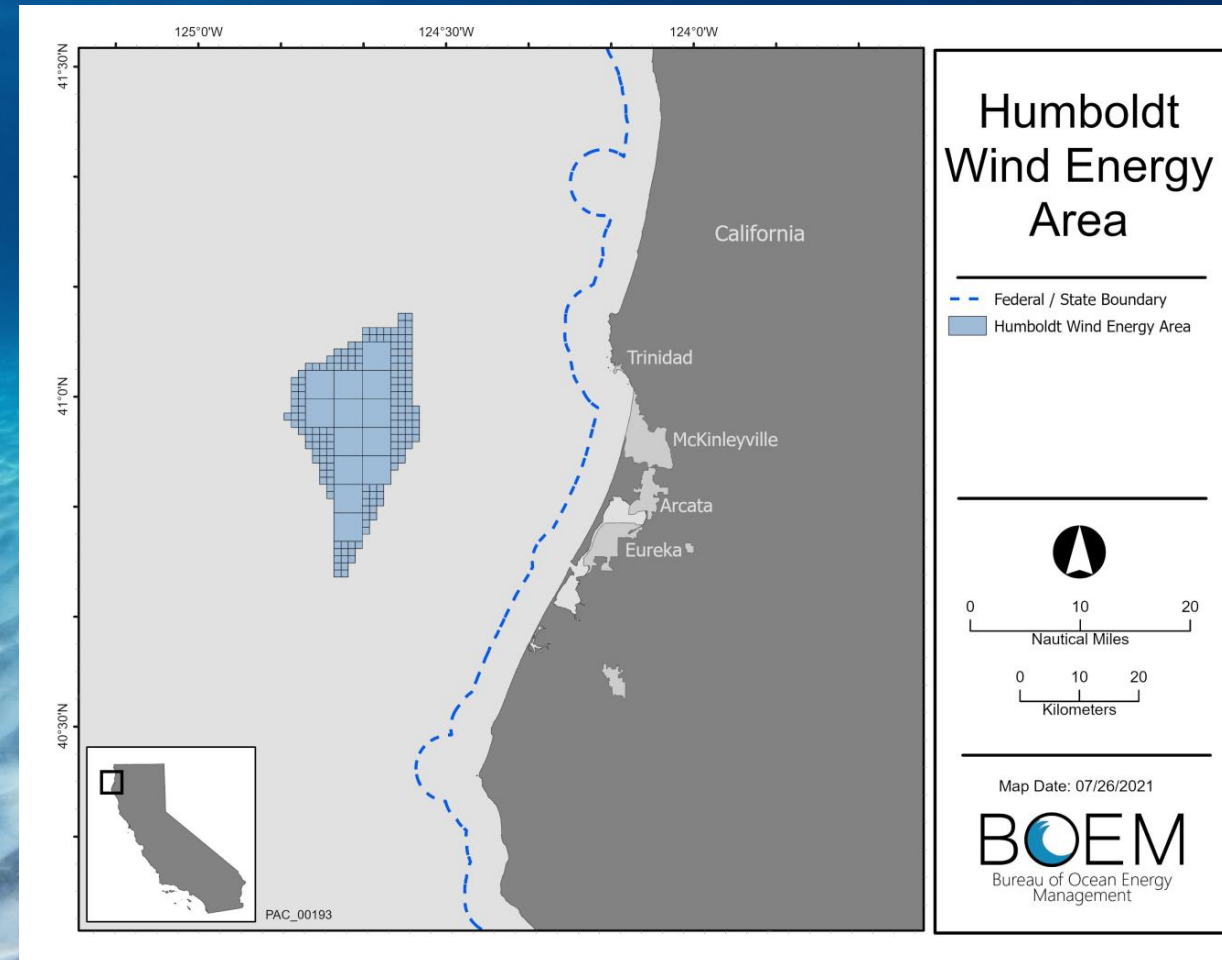
North Coast Status Update: Humboldt

Humboldt Call Area

- Size: 132,369 acres (206 square miles)
- Distance to Shore: ~20 miles
- Published Call for Information and Nominations in October 2018

Humboldt Wind Energy Area

- Identical to the Humboldt Call Area
- BOEM Area Identification Memo available at:
www.boem.gov/HumboldtEA
- Will be focus of the environmental assessment



North Coast Road Ahead – Outlook and Next Steps

Conduct Environmental Assessment

Publish Proposed Sale Notice

- Humboldt and Morro Bay Areas will be combined into one Proposed Sale Notice for a single California lease auction that includes both areas together
- 60-day comment period
- Last opportunity for developers to provide interest

Publish Final Sale Notice

Lease Auction (Fall 2022)



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Management

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Jean Thurston-Keller, jean.thurston-keller@boem.gov



Environmental Assessment Scoping Meeting

Commercial Wind Lease Issuance and Site Assessment Activities on the Pacific Outer Continental Shelf offshore Humboldt County.

August 24, 2021

Richard Yarde and Lisa Gilbane | Humboldt Wind Energy Area, Environmental Assessment Scoping Meeting

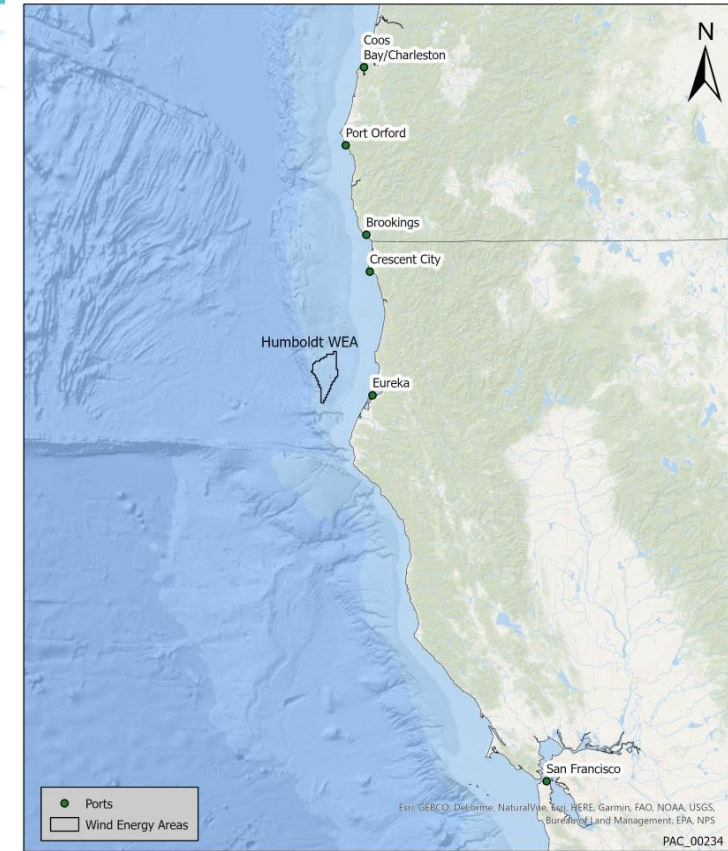


National Environmental Policy Act (NEPA)

NEPA requires Federal agencies to assess the environmental effects of their proposed action prior to making a decision

Proposed Action / Decision Point

- Issuance of commercial wind energy lease(s), which includes areas within federal waters that might be used for energy production, collection, and transmission.
- Site Characterization Activities – biological, geotechnical, geophysical, and archaeological surveys
- Site Assessment Activities – deployment of one or more buoys to gather oceanographic and meteorological data



0 25 50 100 Miles

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**Construction and Operation of a project are not being considered.
These impacts are evaluated once a project plan is submitted.**

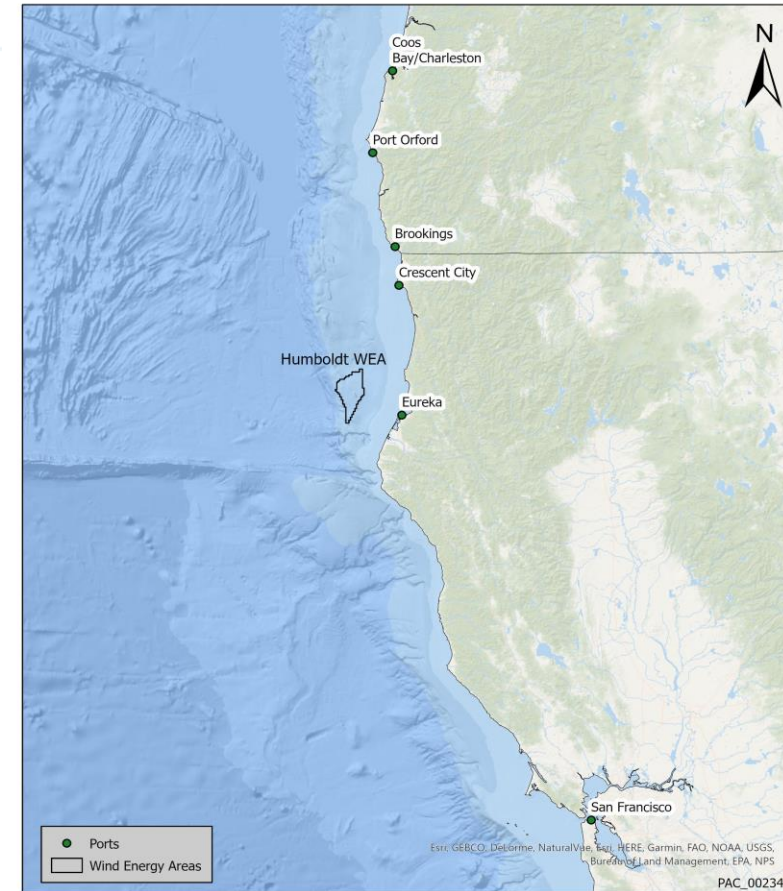
Environmental Assessment (EA) Schedule



BOEM is Asking for Comments on the Scope of the EA

BOEM will conduct a comprehensive review of impacts associated with lease issuance and site assessment/characterization

- Issues and sources of information to include in the EA
- Gaps in data and information needs
- Reasonable alternatives
- Requests from Tribes and Federal Agencies in becoming cooperating agencies
- Comment period ends **September 13, 2021**



Environmental Resources and Socio-cultural Considerations



Biological

- Marine Mammals and Sea Turtles
- Fish and Essential Fish Habitat
- Marine Habitats
- Avian and Bat Species
- Threatened and Endangered Species

Physical

- Air Quality
- Water Quality
- Geology/ Geohazards (New)


Socio-cultural Considerations

- Tribal Perspectives
- Historic Properties
- Commercial and Recreational Fishing
- Environmental Justice
- Tourism and Recreation
- Demographics and Employment
- Military Use
- Navigation/Vessel Traffic

BOEM Consultations with Agencies

- **National Historic Preservation Act (NHPA Section 106) – California Office of Historic Preservation**
- **Coastal Zone Management Act (CZMA) – California Coastal Commission**
- **Endangered Species Act (ESA Section 7) – NOAA, NMFS, Long Beach Office**
- **Magnuson-Stevens Fishery Conservation and Management Act (Essential Fish Habitat [EFH]) – NOAA, NMFS, Long Beach Office**

Collecting and Providing Information



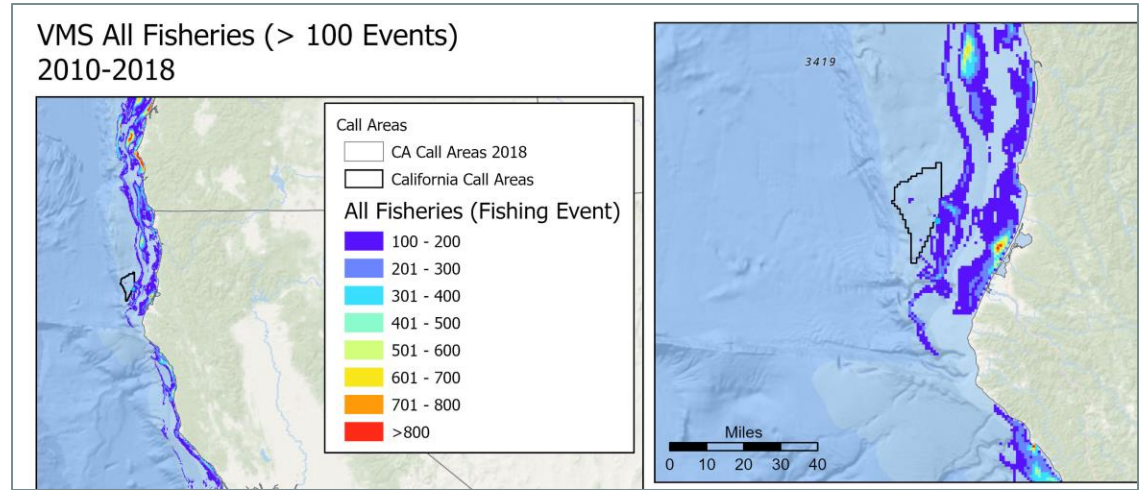
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**Selected BOEM-Funded Research
Informing Renewable Energy
Offshore California**

JUNE 2021

Biological Studies	PAGE 1
Cultural & Archaeological Studies	PAGE 6
Information Synthesis Studies	PAGE 7
Physical Oceanography & Geology Studies	PAGE 8
Resource, Technology & Infrastructure Studies	PAGE 9
Socioeconomic Studies	PAGE 10

<https://www.boem.gov/Selected-BOEM-Research-Renewable-CA/>
<https://www.boem.gov/west-coast-renewable-energy-science-exchange>





California Offshore Wind Energy Gateway
In support of the Intergovernmental Renewable Energy Task Force

Search by keyword or location

powered by DATA BASIN

Get Started
Explore
Create
Community
Workspace

What is the California Offshore Wind Energy Gateway?

What can I do?

How do I start exploring?

The Offshore Renewable Wind Energy Gateway assembles geospatial information on ocean wind resources, ecological and natural resources, ocean commercial and recreational uses and community values. This information will help identify areas off of California that are potentially suitable for wind energy generation.

read more



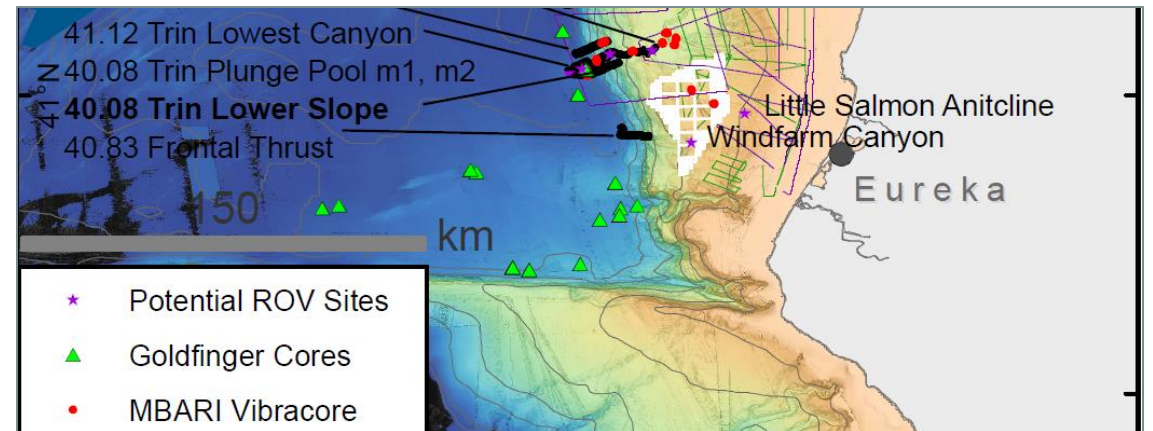
California Marine & Coastal Energy

California Marine & Coastal Management

California Marine & Coastal Ecology and Natural Resources

California Marine Fishing and Traditional Uses

<https://caoffshorewind.databasin.org/>

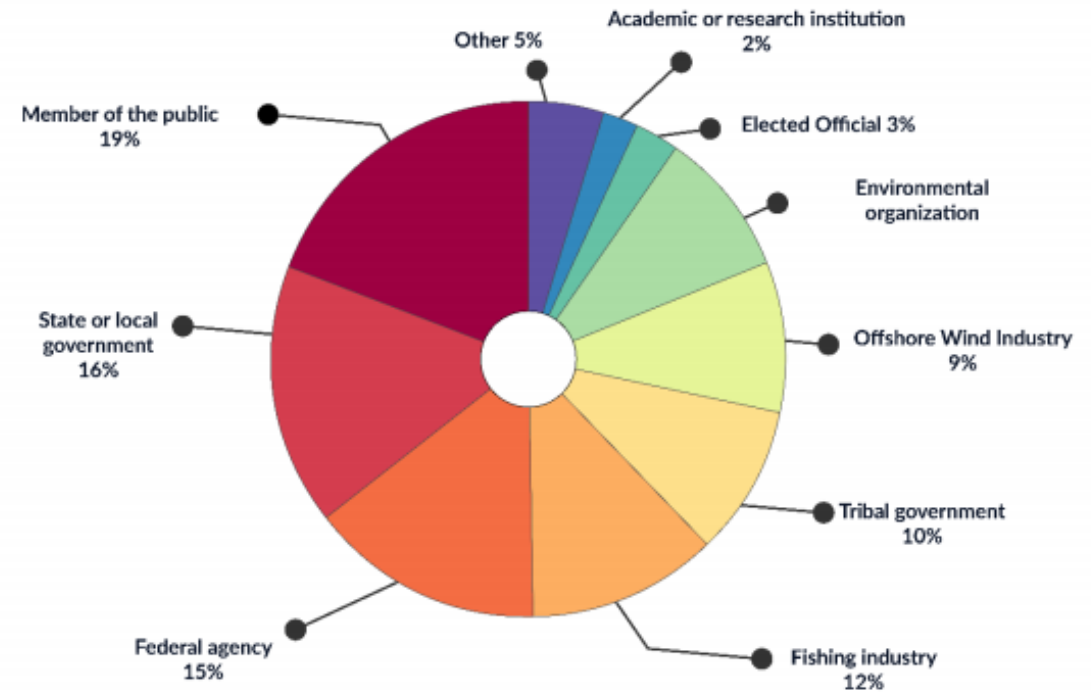


Collecting and Providing Information

○ Overview of key input from 2018-2020

- Fishermen are concerned about potential impacts to their current activities and long-term livelihood.
- Concern about environmental, visual, and noise impacts from offshore wind.
- Concerns with maritime vessel traffic patterns and offshore wind.
- Interest in potential economic impacts from Humboldt offshore wind development.

BOEM CA Offshore Wind Energy Planning Outreach
Participation: October 2018—December 2020



How to Comment



- Due by September 13, 2021
- More information at <https://www.boem.gov/HumboldtEA>

At this meeting!

During
comment period

In writing

Enclose your comment in an envelope labeled, “Humboldt EA” addressed to Regional Supervisor, Office of the Environment, Bureau of Ocean Energy Management, 760 Paseo Camarillo, Suite 102, Camarillo, CA 93010

Email

Humboldtshorewind
@boem.gov

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Bureau of Ocean Energy
Management

BOEM.gov



Lisa Gilbane | lisa.gilbane@boem.gov | 805-384-6387

For more information on the Environmental Assessment
offshore Humboldt County, visit: www.boem.gov/HumboldtEA

Questions - Environmental Scoping Process



Questions – Environmental Scoping Process

- The Q&A function will be open for questions related to the environmental scoping process.
- BOEM will respond to questions relating to the process. All other questions will be noted by BOEM but not responded to as part of this scoping meeting.
- Phone call-in users can dial *9 to verbally ask questions related to the environmental scoping process.

Public comment will be received immediately following questions relating to environmental scoping process



Public Comment Opportunity



Process Guidelines

- “Honor” the agenda.
- Participate actively and respectfully.
- Speak in order; facilitator will mind the queue.
- Speak clearly into the mic/phone for others to hear you.
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Email

Humboldtoffshorewind
@boem.gov

In-Meeting Public Comment Process

- Pre-registered public comments will be taken first following names on the slide.
- To enter the discussion queue:
 - Click the “raise hand” icon in the top of the webinar window; click again to lower your hand after speaking.
- The facilitator will call on you when it is your turn to speak. You will then be unmuted.
 - If you are a phone call-in user, dial *9 on your phone to Speak in order; facilitator will mind the queue
- Provide your name and affiliation before you speak.
- Public comment will be recorded (3 minutes); please be respectful of everyone’s time and opportunity to speak.



Public Comment Opportunity

Please select the "raise hand" button if you would like to speak.

1. **Jenna Bader**
2. **Adam Canter**
3. **Vincent Doyle**
4. **David Grover**
5. **Jennifer Kalt**



Public Comment Opportunity

Please select the "raise hand" button if you would like to speak.

1. **Kate Kelly**
2. **Mike Okoniewski**
3. **Mary Sanger**
4. **Brian Stone**



Public Comment Opportunity

Please select the "raise hand" button if you would like to speak.

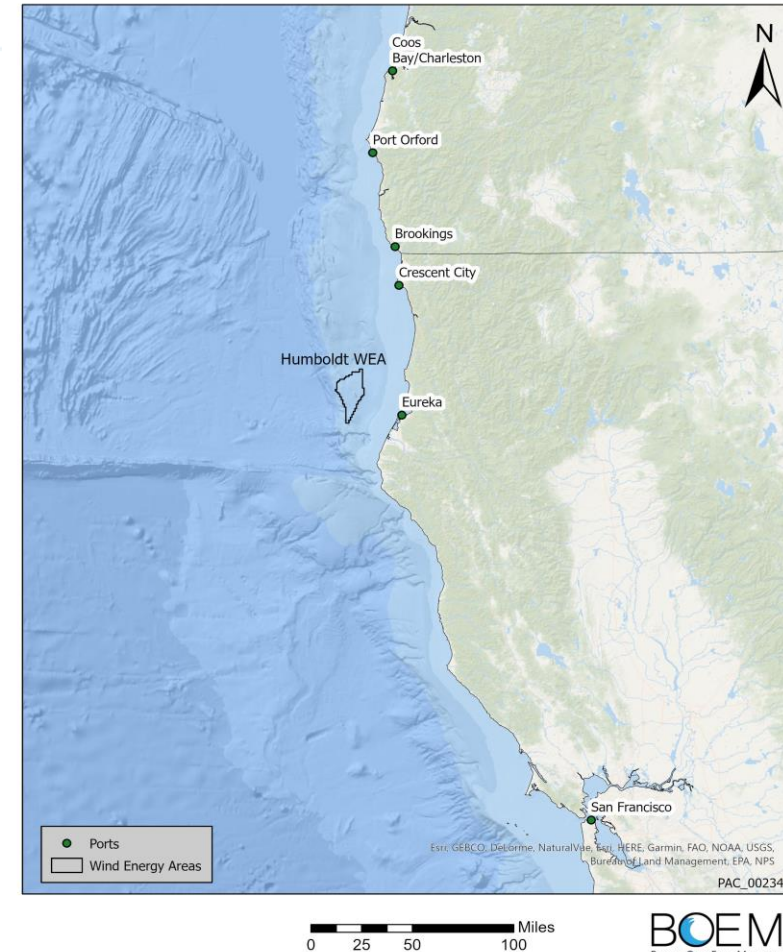
1. **Peter Flournoy**
2. **Steven Johnson**
3. **Ted Romo**



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- Reasonable alternatives
- Requests from Tribes and Federal Agencies in becoming cooperating agencies
- Comment period ends **September 13, 2021**



Closing and Next Steps

Richard Yarde, Regional Supervisor, Office of Environment



How to Comment



This meeting is now adjourned. You can provide comments in the following way by September 13, 2021

More information at <https://www.boem.gov/HumboldtEA>

In Writing

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