

Good morning!

The Humboldt Wind Energy Area Draft Environmental Assessment Meeting will begin at 9 a.m. 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 Draft Environmental Assessment

January 25, 2022

BOEM Pacific Office

Zoom Webinar Instructions – Members of the Public



- Members of the public will be muted throughout the 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. The public comment period is at the end of this meeting, after the presentations and a Question-and-Answer period.
- Use the “raise hand” feature, or if on the phone, dial *9 to indicate you would like to provide public comment.
- The Question-and-Answer (Q&A) function will be open for questions related to the NEPA process. This is NOT the place to submit comments.

This meeting is being recorded and will be posted to the BOEM website.



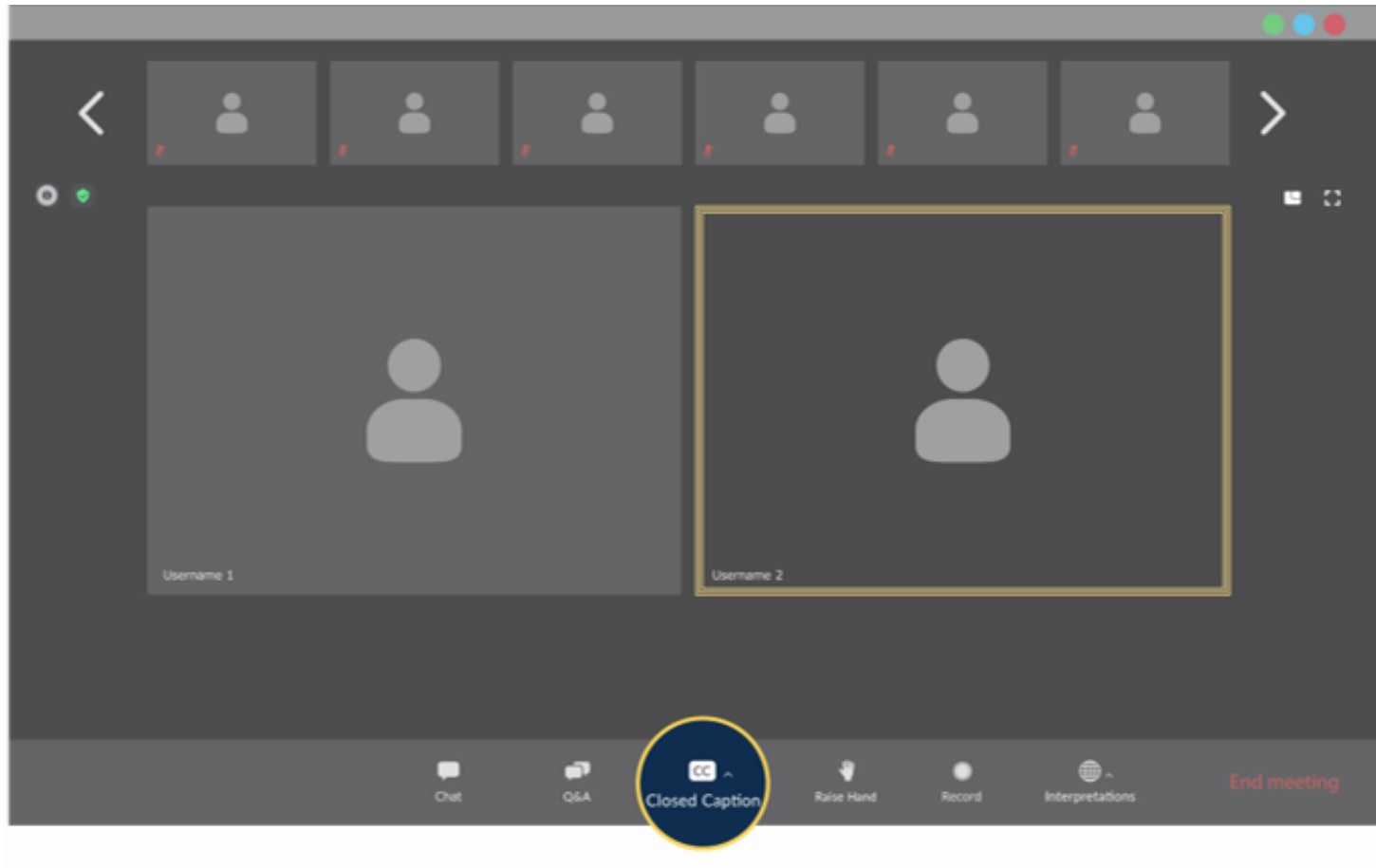
Zoom Webinar Instructions – Technical Assistance

- We will share relevant links and information through the "chat" feature.
- Please use the “chat” feature *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 email Jasmine King at jking@kearnswest.com or message “Technical Assistance” in the “chat” feature.



Zoom Webinar Instructions – Closed Captioning

Closed Captions can be found here:



Meeting Objectives

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



Agenda

- Facilitator's Welcome
- Welcome and Opening Remarks
- Presentation – Draft Environmental Assessment
- Clarifying Questions on the Environmental Assessment 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



Overview

- BOEM Authority & Jurisdiction
- BOEM Offshore Wind Energy Authorization Process
- Approach to Offshore Wind Energy Planning in California
- NEPA Overview
- Content of the Draft Environmental Assessment & Close-up of Selected Resources
- North Coast Next Steps



[This Photo](#) by Unknown Author is licensed under [CC BY-ND](#)



BOEM's Renewable Energy Authority

- BOEM is a Bureau within the U.S. Department of the Interior (DOI)
- DOI is led by a Secretary who is a member of the President's Cabinet
- The Energy Policy Act of 2005 gave the Secretary of the Interior the authority to regulate offshore renewable energy development, which was then delegated to BOEM
- BOEM has jurisdiction in federal waters from 3 to 200 nautical miles offshore (to the boundary of the U.S. Exclusive Economic Zone)



From Executive Orders to BOEM Action

Presidential Goals

Cut greenhouse gas emissions by **2030** to half of 2005 levels

Reach 100% carbon pollution-free power sector by **2035**

Achieve a net-zero economy by no later than **2050** while creating good paying, union jobs

Presidential Policies

Feb 2021: EO 14008 takes a government-wide approach to the climate crisis, includes Section 207 to increase renewable energy production

March 2021: Deploy 30 GW of offshore wind by 2030, while protecting biodiversity and promoting ocean co-use

BOEM Directives

Advance lease sales and complete review of at least 16 Construction & Operations Plans by **2025**

Hold lease sales in California (**Fall 2022**) and Oregon (**2023**)





Environmental Assessment Public Meeting, Offshore Humboldt

**BOEM Wind Energy Authorization Process
Approach to Offshore Wind Energy Planning in California**

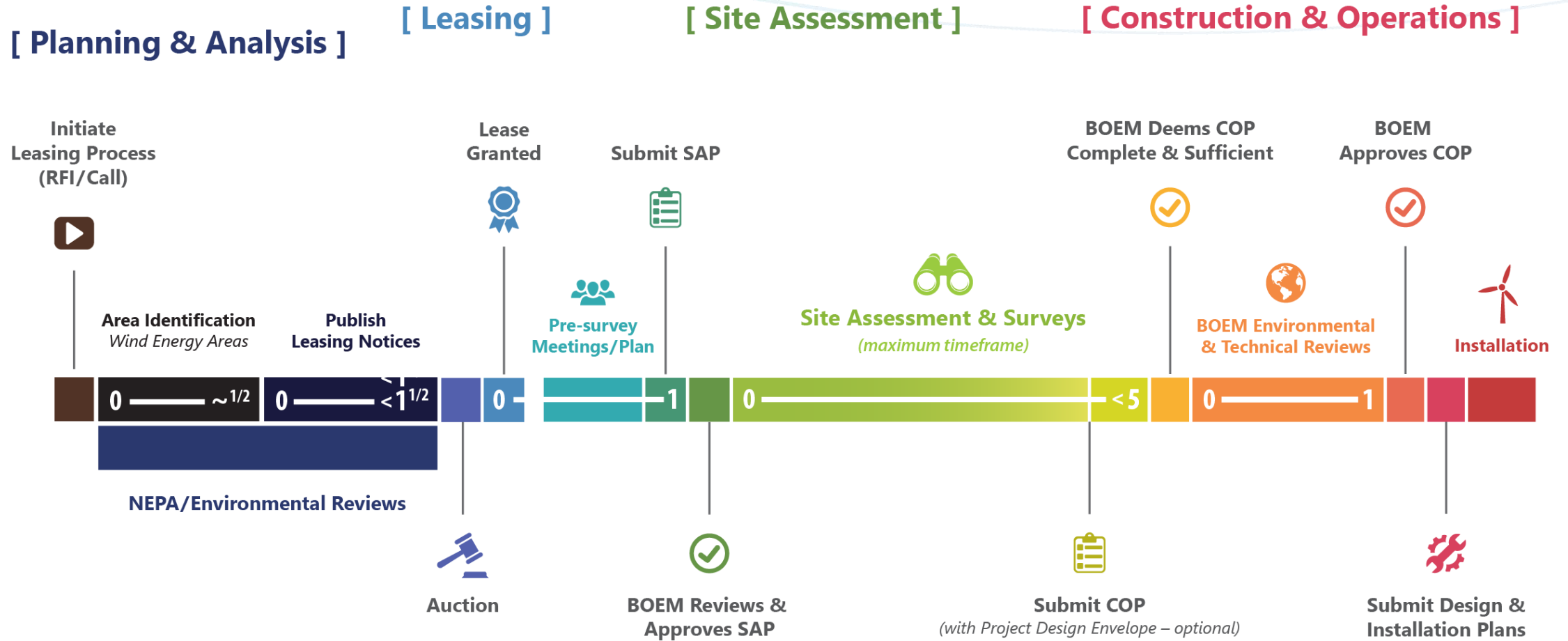
January 25, 2022

Sara Gultinan, Renewable Energy Specialist *for*

Jean Thurston-Keller, CA Intergovernmental Renewable Energy Task Force Coordinator

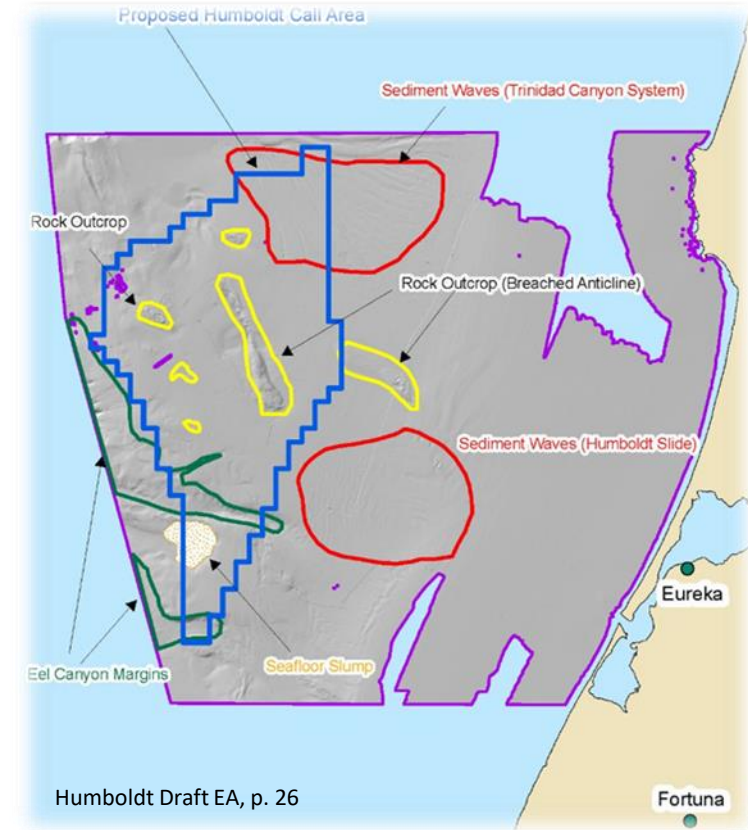


BOEM's Offshore Wind Energy Authorization Process



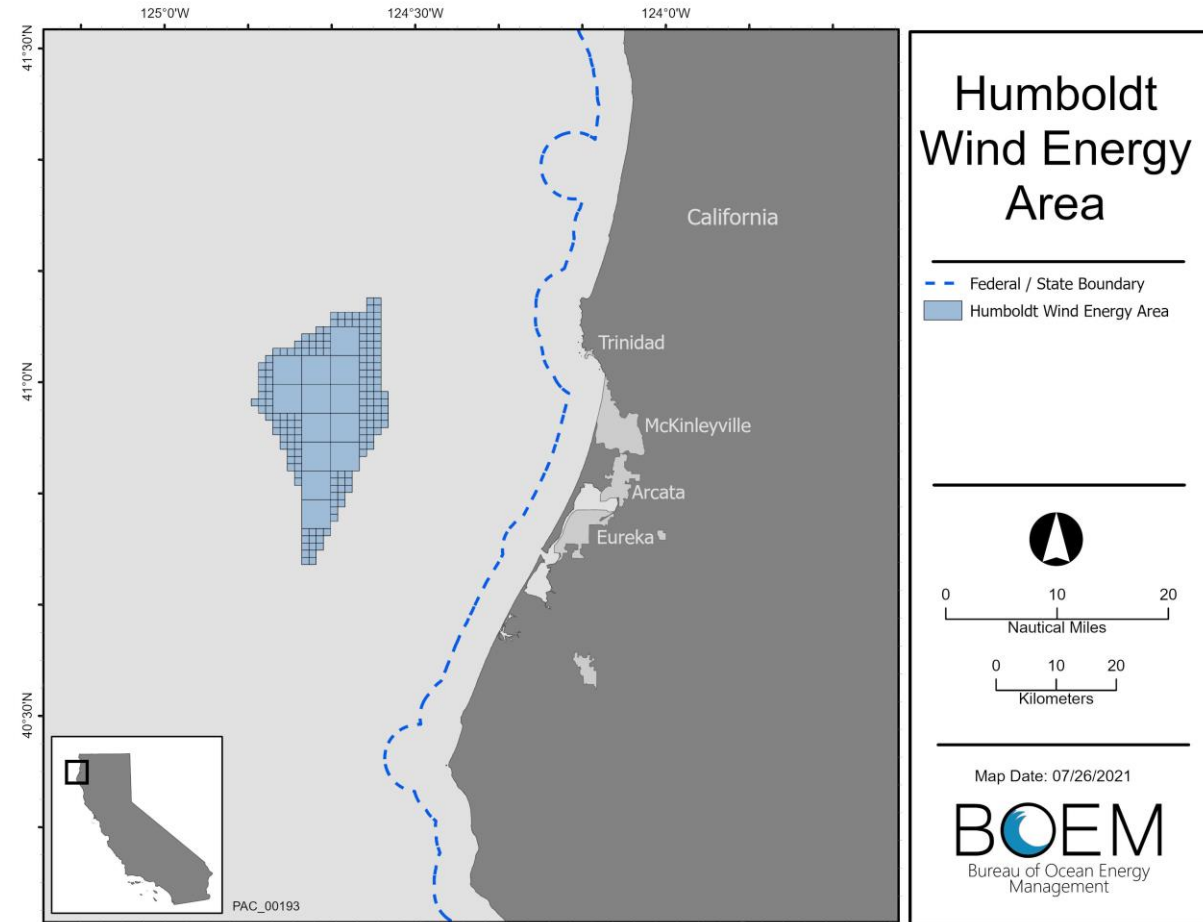
History of Northern California Offshore Wind Energy Planning

- **Established the BOEM California Intergovernmental Renewable Energy Task Force (2016)**
- **BOEM-State Close Coordination**
 - State-wide coordination, outreach and engagement with Tribal Governments, State of California, and public stakeholders with over 80 meetings
 - Created Offshore Wind Energy Gateway for data collection in publicly accessible website:
<https://caoffshorewind.databasin.org/>
- **Published Call for Information and Nominations (Call) in the Federal Register in October 2018: 118 comments, 14 nominations (10 nominations for Humboldt)**
- **Scientific studies to support informed decision-making**



History of Northern California Offshore Wind Energy Planning Continued

- **Designated Humboldt Wind Energy Area in July 2021 and started environmental review**
 - 132,369 acres (206 square miles)
 - 21 miles from City of Eureka
- **Additional References**
 - www.boem.gov/HumboldtEA
 - [Humboldt Area ID Memo](#)
 - [California Outreach Summary Report \(2018\)](#)
 - [California Outreach Summary Report Addendum \(2021\)](#)



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

Morro Bay

Humboldt

Leasing Document Development

0 ————— < 1 1/2

Environmental Assessment Process & Public Involvement

60 days

Public Comment

Proposed Sale Notice

CZMA Consultation

Final Sale Notice

PSN

Potential Task Force Meetings/Webinars



Call



Area ID



Humboldt and Morro Bay areas will be combined in one Proposed Sale Notice for a single California lease sale

Auction





BOEM.gov



Questions: Sara Guiltinan filling in for Jean Thurston-Keller until February 3, 2022

sara.guiltinan@boem.gov

jean.thurston-keller@boem.gov

For more information on renewable energy offshore California,
visit: www.boem.gov/California



Environmental Assessment Public Meeting, Offshore Humboldt

Overview of the National Environmental Policy Act Content of the Environmental Assessment

January 25, 2022

Lisa Gilbane, Environmental Analysis Section Chief | Humboldt Wind Energy Area



BOEM is guided by the National Environmental Policy Act (NEPA)

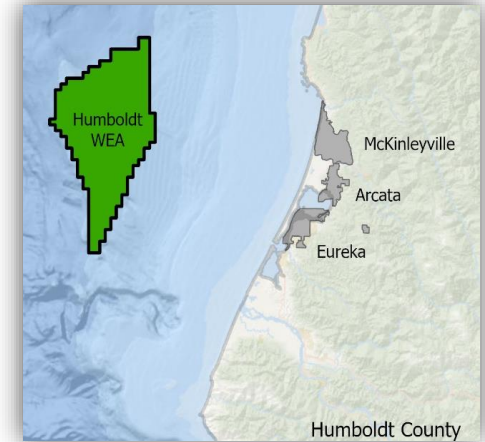
- NEPA requires federal agencies to assess the environmental consequences of proposed actions

Proposed Action

Issuance of commercial lease(s) within the Wind Energy Area (WEA) for wind energy production, including reasonably foreseeable site characterization & assessment activities by a lessee to gather more information about the WEA

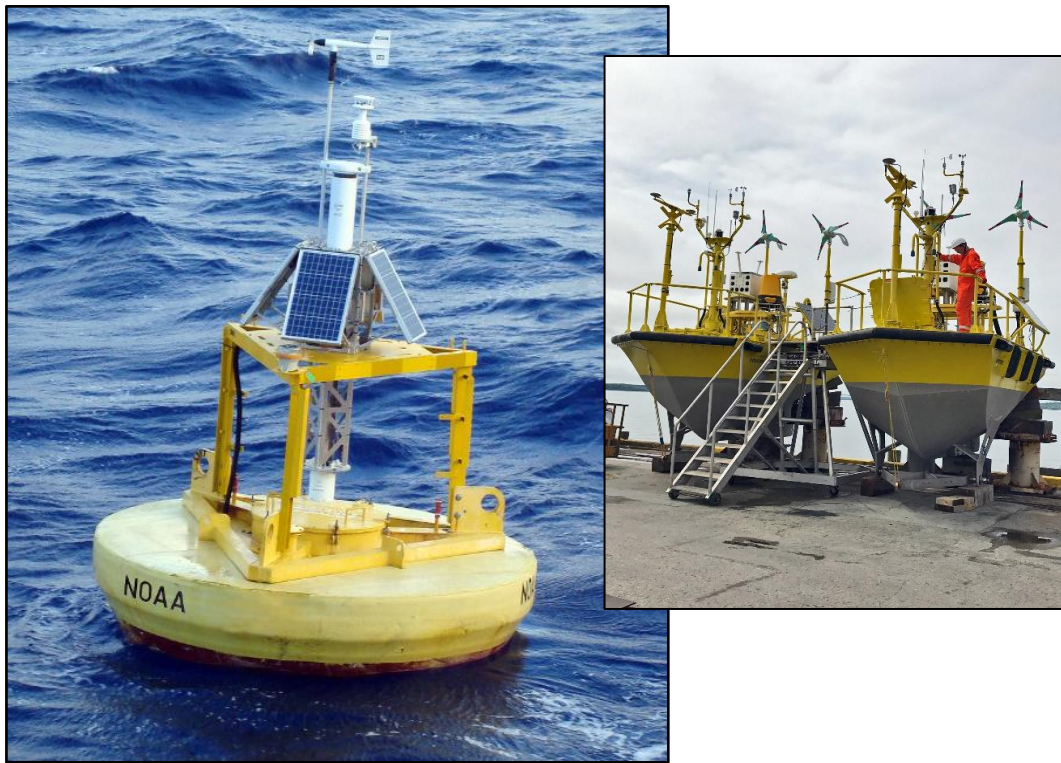
- Construction and operation of a project is not being considered today. These impacts are evaluated once a project plan is submitted.
- Public participation is a key component of the NEPA Process.

Thank you for your participation!

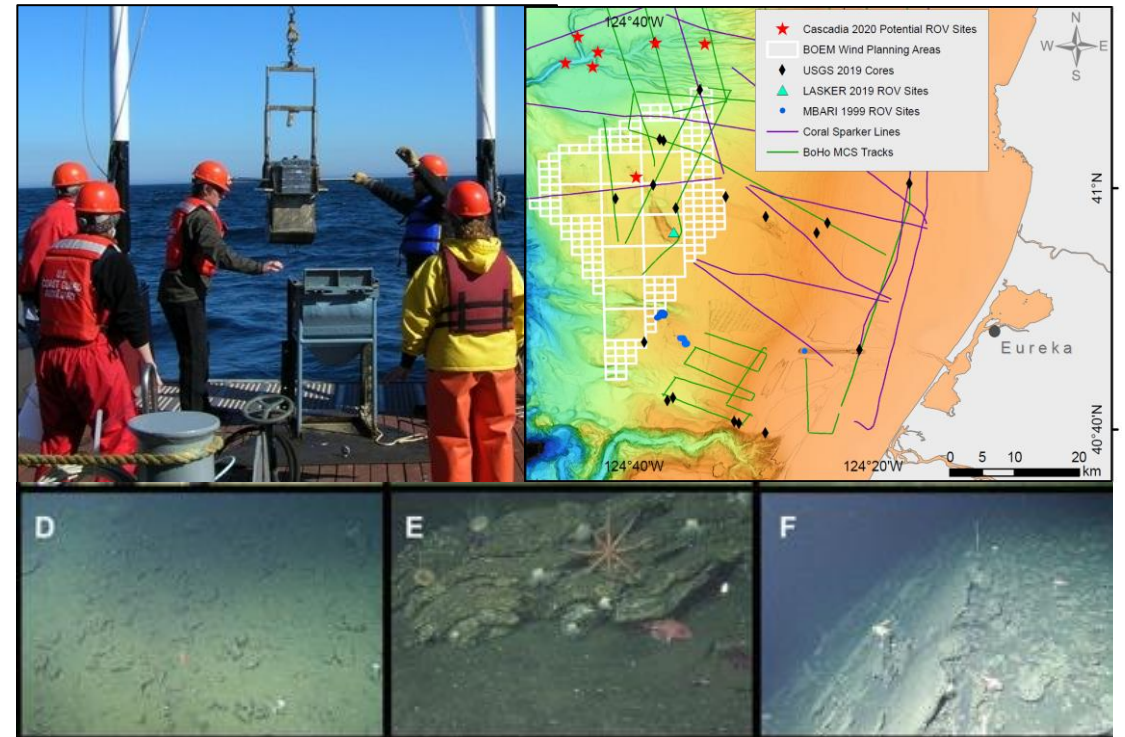


What are Site Assessment & Characterization Activities?

Site Assessment: Temporary placement of meteorological buoys, scientific sampling equipment



Site Characterization: Surveys to gather data on the geology, biology, and archaeological resources



Images courtesy of (top left) Oregon State University, (top right) D. Waters (NOAA), N. Prouty (USGS) and E. Lundsten (MBARI) and (Bottom Row) Monterey Bay Aquarium Research Institute (MBARI).

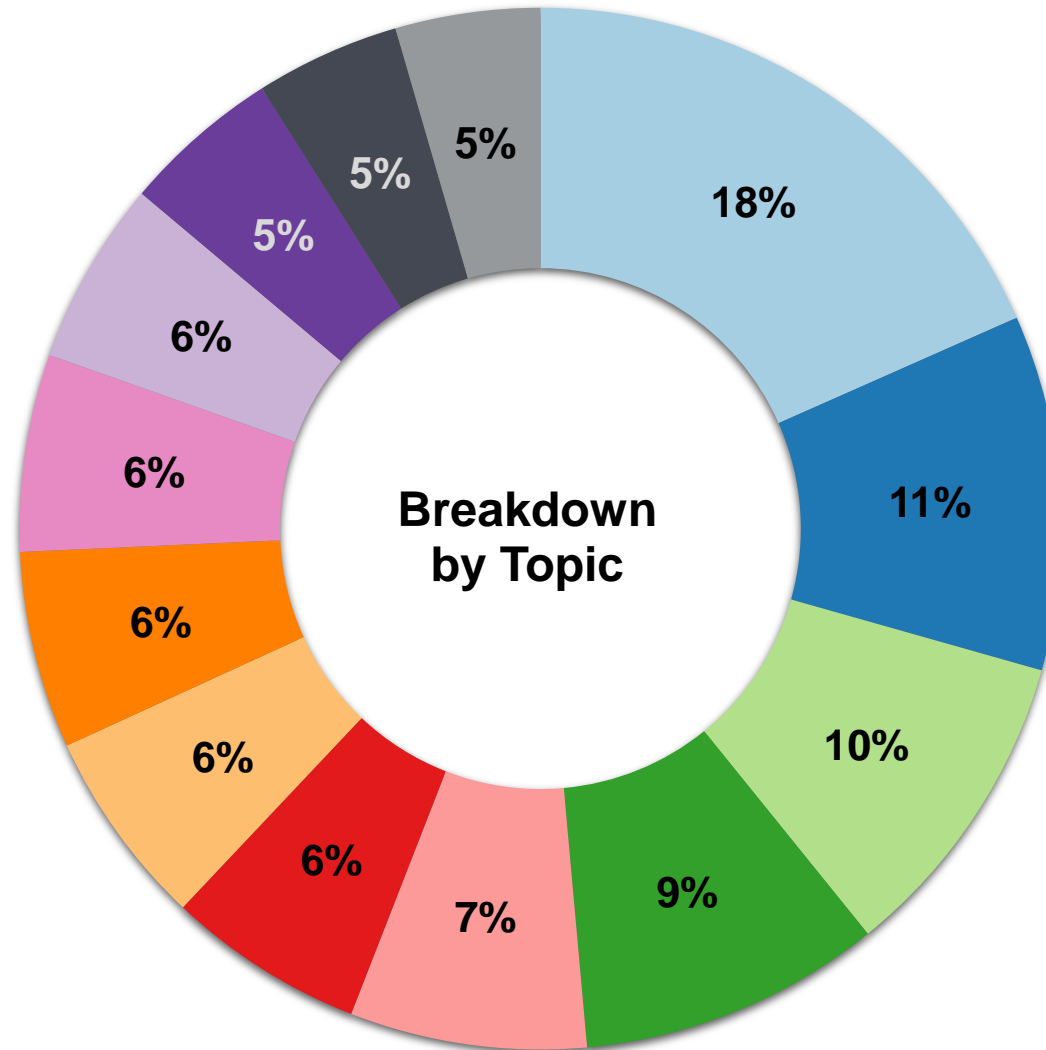


Public Comment from Scoping Covered Many Topics

52 sources submitted public comment

- 28 written comments
- 23 public meeting comments
- 1 phone call

Public comments & Summary available on web site under “Scoping” tab



- OTHER
- Environment & Habitat
- Birds & Bats
- Process
- Cumulative Impacts
- Tribal, EJ, & Socioeconomics
- Fisheries
- Climate Change & Air Quality
- Marine Mammals
- Data
- Noise
- Lease Area
- Mitigation



Guide to Notable Sections of the Environmental Assessment

In EA...	You can find...
Chapter 1	Introduction to the project
Chapter 2	Description of the proposed action
Chapter 3	Description of the Affected Environment and environmental considerations analyzed by resource
Chapter 4	Description of public involvement
Appendices A-D	Area ID Memo, Actions, Programmatic Agreement, Mitigation Measures for Marine Mammal Species



Resource Assessment

- Each resource is presented in the EA according to its **affected environment** and **potential impacts** to the affected environment that could occur as a result of leasing and site characterization.



- Geology
- Air Quality
- Water Quality
- Marine and Coastal Habitats and Associated Biotic Assemblages
- Marine Mammals and Sea Turtles
- Coastal & Marine Birds
- Commercial Fishing
- Recreation & Tourism
- Socioeconomics
- Historic Properties
- Environmental Justice
- Tribes

Virtual Meeting Page:

www.boem.gov/HumboldtEA



Selected Resource: Commercial Fishing

Affected Environment	<ul style="list-style-type: none">• Eureka Port Complex, in particular Eureka, Trinidad, and Crescent City
Potential Impacts	<ul style="list-style-type: none">• Space-use conflict• Entanglement with data buoys
Estimated Impacts	<ul style="list-style-type: none">• Minimal to low, but some fisheries may be disproportionately affected



See **Section 3.7** for more information



Selected Resource: Marine Mammals and Sea Turtles

Affected Environment	<ul style="list-style-type: none">• 39 species of marine mammals• 4 federally listed sea turtles
Potential Impacts	<ul style="list-style-type: none">• Noise from surveys• Collision with vessels• Entanglement in metocean buoy mooring systems
Estimated Impacts	<ul style="list-style-type: none">• Negligible effects from acoustics• Negligible effects from vessel interactions• Discountable effects from buoys



Photo credit: David Pereksta

See **Section 3.5** for more information



Selected Resource: Coastal and Marine Birds

Affected Environment	<ul style="list-style-type: none">• 170 species of coastal and marine birds
Potential Impacts	<ul style="list-style-type: none">• Disturbance from noise and traffic• Lighting from buoys• Collision with buoys• Trash and Debris
Estimated Impacts	<ul style="list-style-type: none">• Minimal effect from buoys or traffic• Negligible effects from traffic and debris• SOPs will reduce impacts



See **Section 3.6** for more information



Selected Resource: Cultural Resources

Affected Environment	<ul style="list-style-type: none">• Recreation & tourism• Historic properties• Tribes
Potential Impacts	<ul style="list-style-type: none">• Trash and debris generation• Disturbance to seafloor• Impacts to Tribal resources
Estimated Impacts	<ul style="list-style-type: none">• Negligible impact to tourism• No impacts to submerged archaeological sites• Continued Tribal consultation to reduce impacts



See **Sections 3.8 to 3.12** for more information



Road Ahead – Outlook and Next Steps

Finalize Humboldt Wind Energy Area Environmental Assessment (Spring 2022)

Publish Proposed Sale Notice

- Humboldt and Morro Bay leasing will be combined in one Proposed Sale Notice for a single California auction
- 60-day comment period

Publish Final Sale Notice

Lease Auction (Fall 2022)



BOEM

Bureau of Ocean Energy
Management

BOEM.gov



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

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

Clarifying Questions - Environmental Review Process



Questions – Environmental Review Process

- The Q&A function will be open for questions related to the NEPA 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 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.
- 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.



What comments are we seeking?

The Environmental Assessment is a comprehensive review of impacts associated with lease issuance and expected future site assessment and characterization activities by the lessee

- Is the information accurately presented?
- Should new information relevant to the analysis be included?
- Are the potential impacts accurately described?
- Are the methodologies and/or assumptions correct?
- Are the descriptions of the affected region, affected interests, and localities accurate?

Comment period ends **February 10, 2022** 11:59PM ET/ 8:59PM PT

BOEM is
Asking for
Comments
on the
Content of
the EA





At this meeting

Public Comment is next...

Online

Go to:
Regulations.gov
Search for:
BOEM-2021-0085

By mail

“Humboldt EA”
Office of the
Environment
BOEM
760 Paseo Camarillo,
Suite 102
Camarillo, CA 93010

Comments are due by February 10, 2022 11:59PM ET/ 8:59PM PT



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.**



Closing and Next Steps

Lisa Gilbane, Environmental Analysis Section, Chief



How to Comment



- This meeting is now adjourned. You can provide comments in the following way by **February 10, 2022 11:59PM ET/8:59PM PT**
- Visit the virtual room meeting webpage for more information

Online

Go to:
Regulations.gov
Search for:
BOEM-2021-0085

By mail

“Humboldt EA”
Office of the
Environment
BOEM
760 Paseo Camarillo,
Suite 102
Camarillo, CA 93010

Virtual
Meeting
Page:

boem.gov/HumboldtEA

