

Outer Continental Shelf Wind Energy Leasing in California

Pacific Fishery Management Council Marine Planning Committee Meeting
September 1, 2021

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Overview

- BOEM's Responsibilities
- Approach for Offshore Wind Energy Planning in California
- BOEM Offshore Wind Energy Authorization Process
- California Call Areas
- Types of Comments and Recommendations
- Next Steps



Offshore Wind Energy Planning Approach 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 based on joint outreach plan with state
- 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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California Offshore Wind Energy Gateway

Web-Based Data Gateway

- Publish spatial datasets
- Create maps using geospatial data
- Converse in working groups with data and maps
- Available to the public

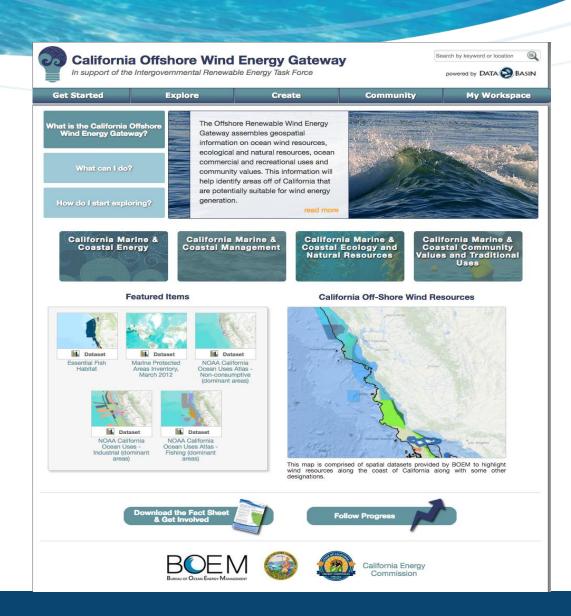
Assemble geospatial information on:

- Physical setting
- Energy resources
- Marine policy and management
- Ecological and natural resources
- Commercial and recreational uses

Use data and information to:

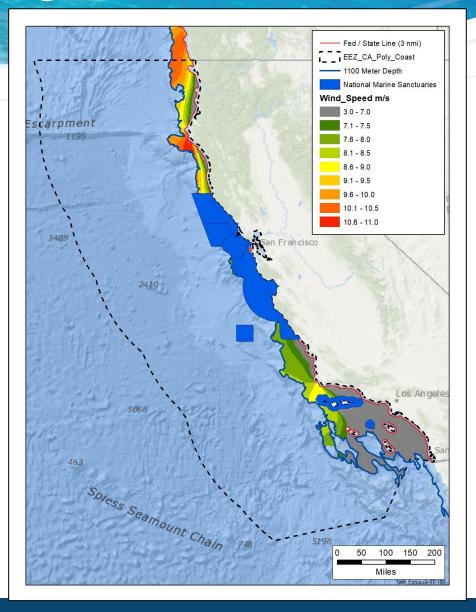
Inform offshore wind energy leasing process

www.caoffshorewind.databasin.org



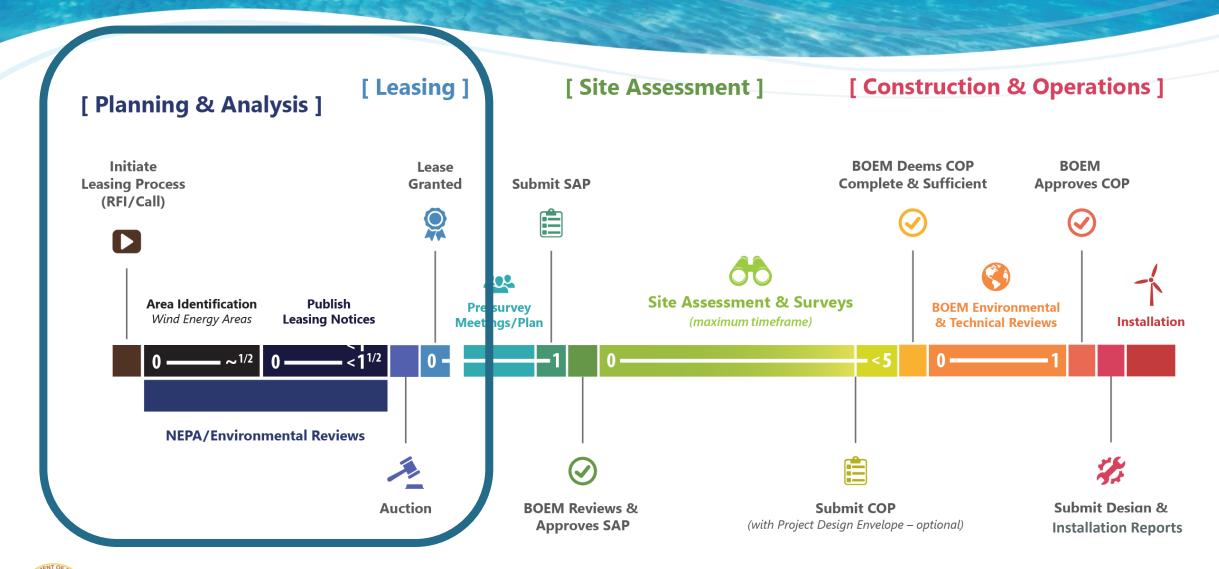
Approach for Offshore Wind Energy Planning in California

- Where is the wind resource?
- In what water depths can the turbines be installed with available technology?
- Does BOEM have authority?
- Where are interconnection locations to the electrical grid?



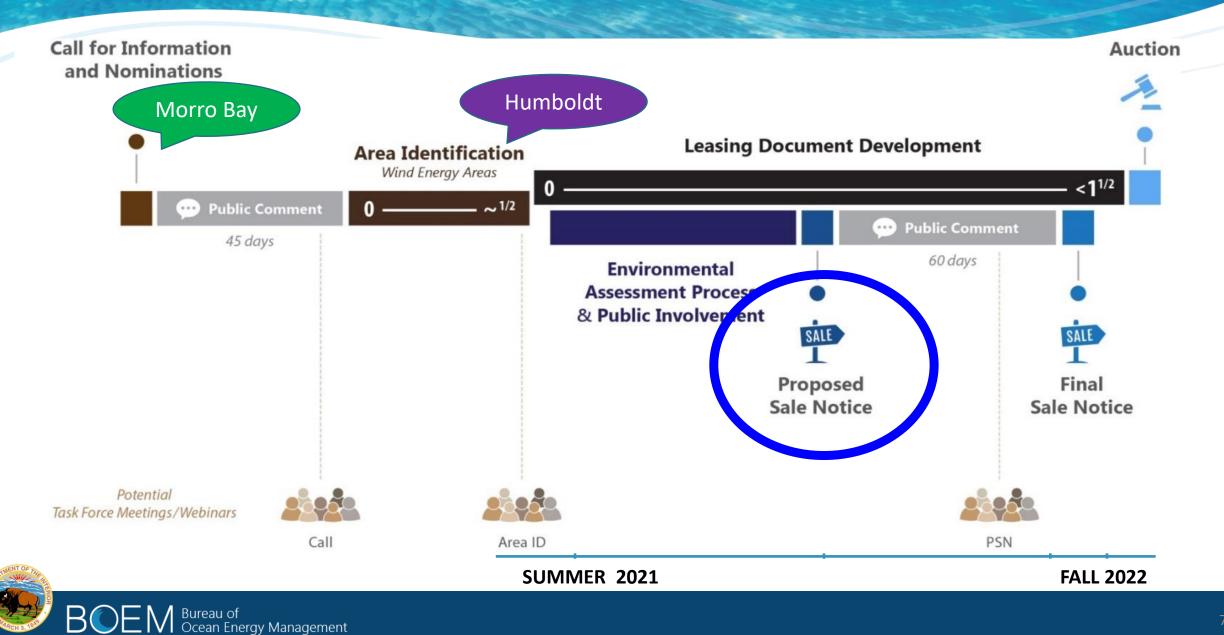


BOEM's Offshore Wind Energy Authorization Process





BOEM's Renewable Energy Authorization Process



Renewable Energy Process: Calls, Wind Energy Areas and Lease Areas

Call for Information and Nominations

- Calls for formal public comment about the area, uses and concerns
- Requests nominations of interest for development

Wind Energy Area

- An area within a Call Area identified by BOEM for environmental review
- Basis for a lease area(s)

Lease Area

 Areas BOEM would offer for lease during a Lease Sale







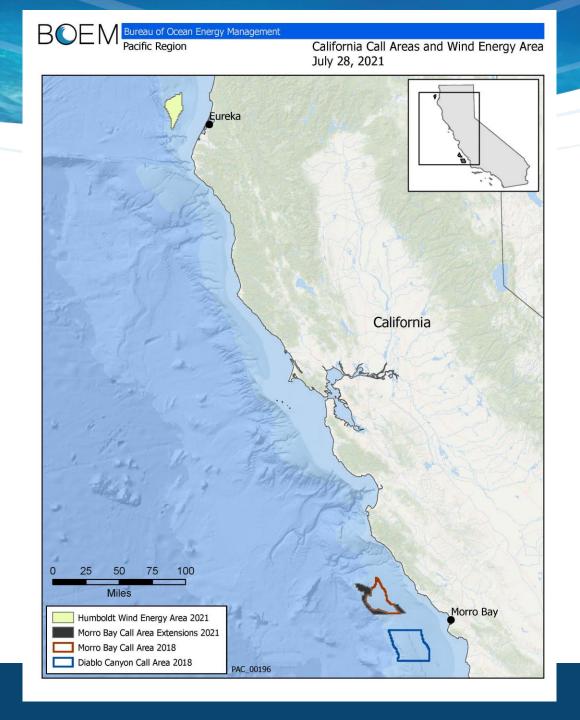
California Offshore Wind Planning

North Coast

 Humboldt Wind Energy Area

Central Coast

- Morro Bay Call Area and Extensions
- Diablo Canyon Call Area

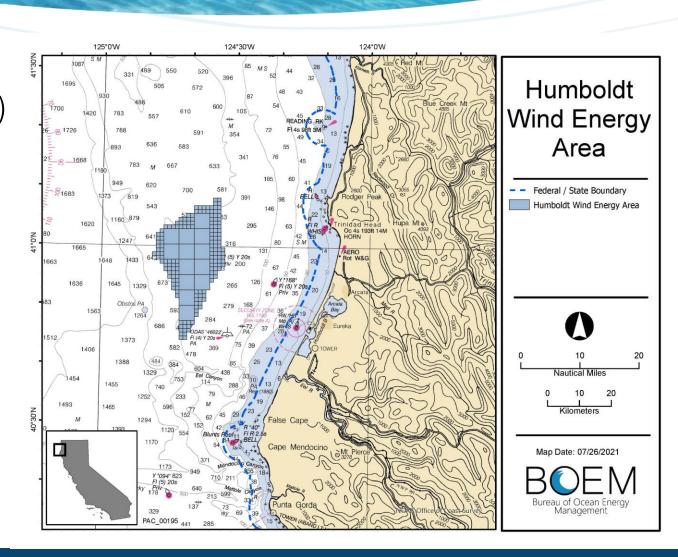




North Coast Wind Energy Area - Humboldt

Humboldt Wind Energy Area

- Size: 132,369 acres (206 square miles)
- Distance to Shore: ~20 miles
- Identical to the Humboldt Call Area
- BOEM Area Identification Memo available at: <u>www.boem.gov/HumboldtEA</u>
- Will be focus of the environmental assessment





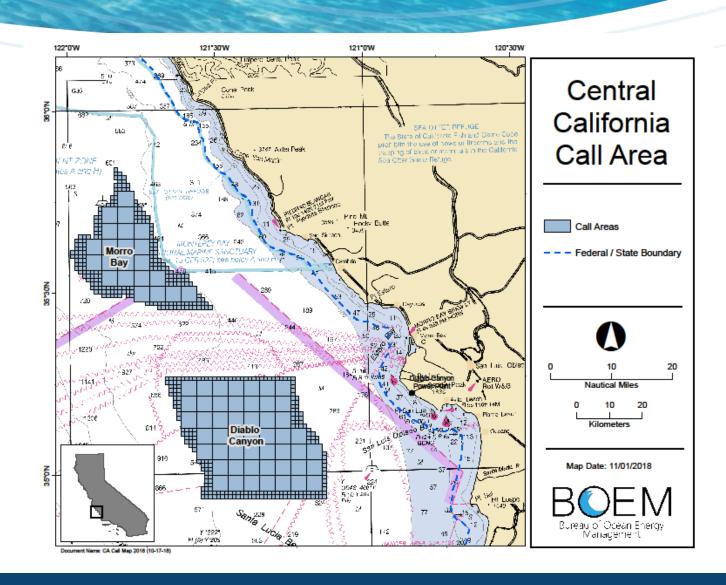
2018 Morro Bay and Diablo Canyon Call Areas

Morro Bay Call Area:

- 20 miles from shore
- Approximately 311 square miles total area

Diablo Canyon Call Area:

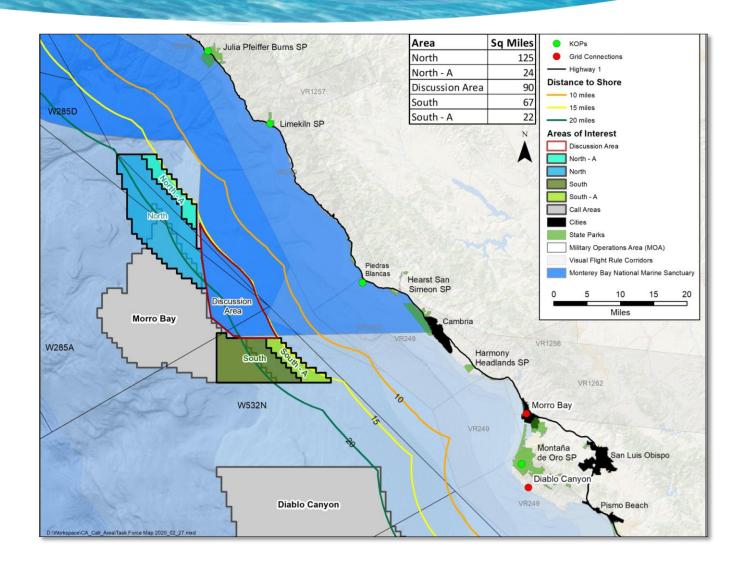
- ~20 miles from shore
- Approximately 556 square miles total area





Additional Areas for Consideration

- Additional Areas for Consideration
 - Working Group led by Congressman Carbajal's Office

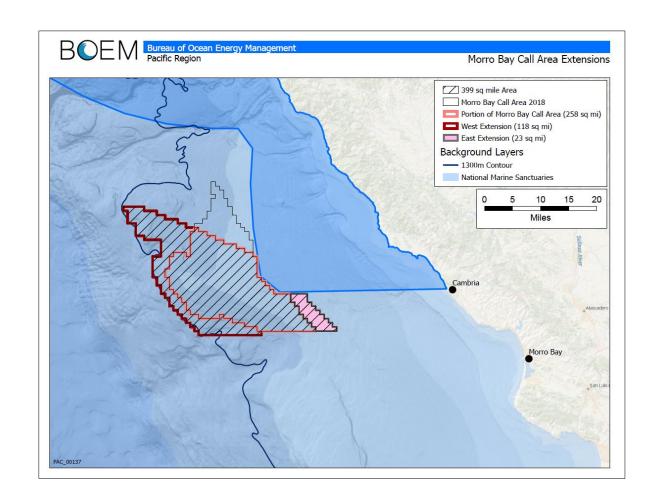




Morro Bay Call Area

White House Announcement

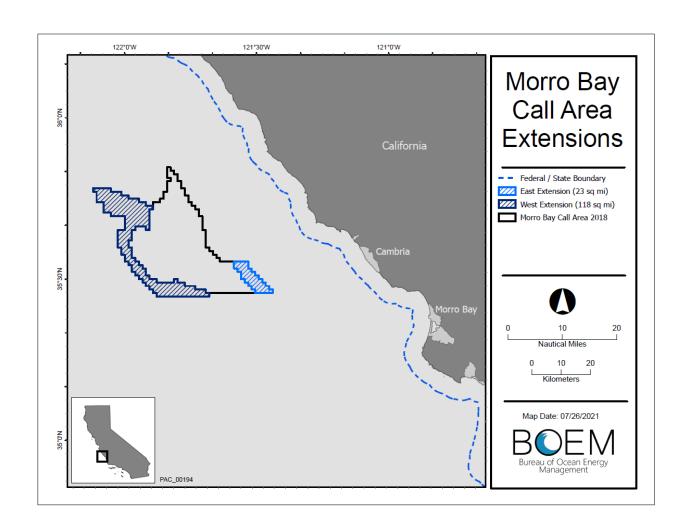
- o May 25, 2021
- o Includes 399 square mile area
- Nearest distance to shore: ~17 miles
- Includes Call Area Extensions
 - East Extension: 14,589 acres(23 square miles)
 - West Extension: 75,436 acres
 (118 square miles)





Morro Bay East and West Extensions

- Call for Information and Nominations for Morro Bay Extension Areas
 - East Extension: 17 miles from shore
 - West Extension: 35 miles from shore
 - Published in Federal Register on July 29, 2021
 - Soliciting comment and industry nominations on the Extension Areas
 - Public comment period ends on September 13, 2021





Types of Comments to Submit

BOEM requests specific and detailed comments on features, activities and concerns in the Call Areas such as:

- Environmental, socioeconomic and biological information
- Commercial and recreational fishing
- Recreation
- Energy resources
- Visual resources and aesthetics
- Navigation and vessel uses
- Historic properties
- Geological and geophysical information
- Known archaeological and/or cultural resources

Effective Comment Tips

- o Comment period closes at 11:59 p.m. eastern time on September 13, 2021
- Feel free to reach out to BOEM with questions
- Be concise and provide supporting data (if available)
- Base your justification on sound reasoning, scientific evidence, and/or how you will be impacted
- Use data and/or maps from the Data Basin website at www.caoffshorewind.databasin.org
- Address trade-offs and opposing views in your comment
- There is no minimum or maximum length
- The comment process is <u>not a vote</u> one well supported comment is often more influential than a thousand form letters

What is the next step after close of the Call comment period?

- BOEM considers comments received during the Call and any nominations of interest
- BOEM may identify Wind Energy Area(s) (WEA) for environmental review: Area Identification (Area ID) Phase
- May include all or portions of the Call Areas (399 sq mi) as base for designating WEAs
- WEAs would be analyzed under NEPA in an environmental analysis document



Central California Road Ahead – Outlook and Next Steps

Conduct Environmental Assessment

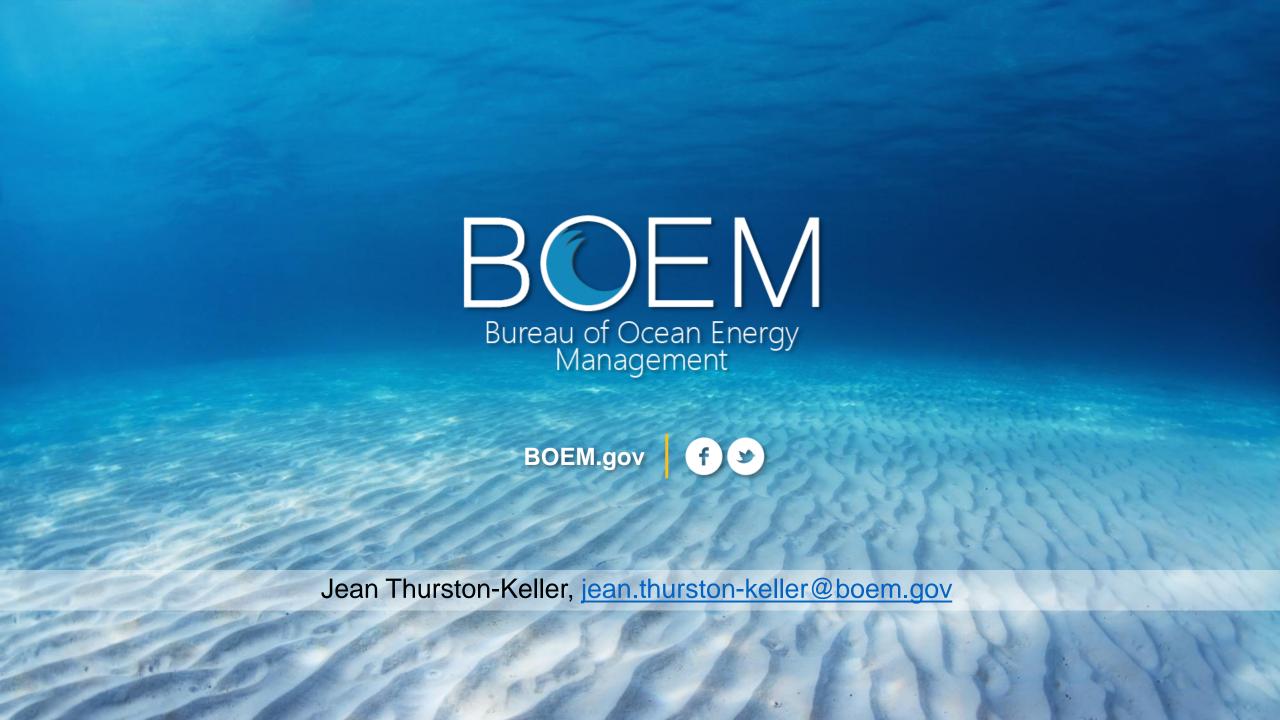
Publish Proposed Sale Notice

- 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)







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

Pacific Fishery Management Council Marine Planning Committee Meeting

September 1, 2021



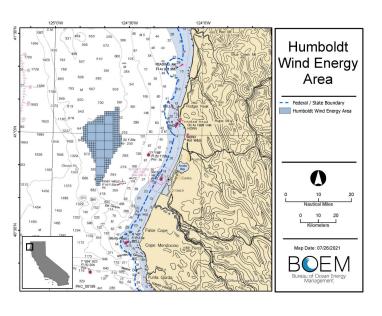
National Environmental Policy Act (NEPA)

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

Construction and Operation of a project is <u>not</u> being considered. These impacts are evaluated once a project plan is submitted.





Environmental Assessment Schedule for Humboldt WEA



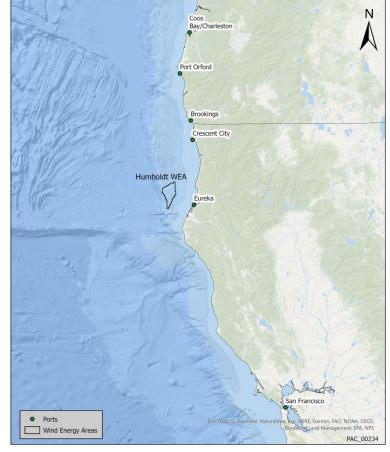


Comments on the Scope of the Humboldt EA

Proposed Action – Issuance of a lease and further site evaluation

Alternatives - Reasonable options may reduce impacts.

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









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

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

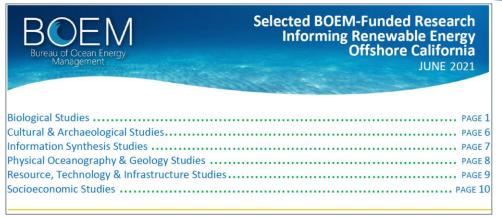


BOEM Consultations with Federal Agencies

- National Historic Preservation Act (NHPA Section 106) CA Office of Historic Preservation
- Coastal Zone Management Act (CZMA) CA 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



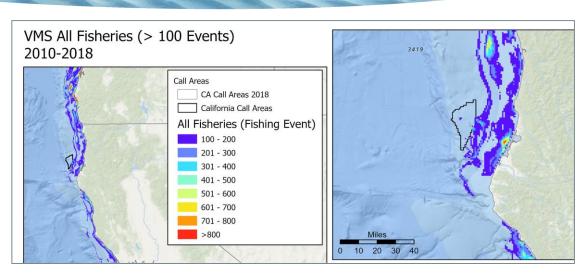
Providing and Collecting Information

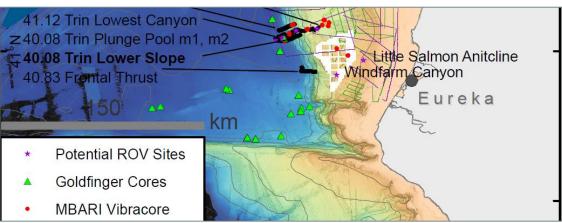


https://www.boem.gov/Selected-BOEM-Research-Renewable-CA/https://www.boem.gov/west-coast-renewable-energy-science-exchange



https://caoffshorewind.databasin.org/





^{*}New seafloor and vessel monitoring systems data sets are in progress.

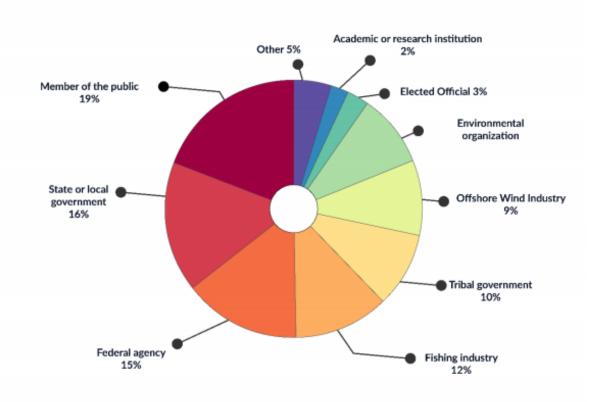


Collecting and Providing Information

Overview of key input from 2018-2020

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

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

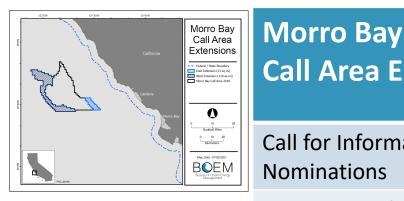


https://www.boem.gov/sites/default/files/documents/renewable-energy/state-activities/Offshore-Wind-Outreach-Addendum.pdf

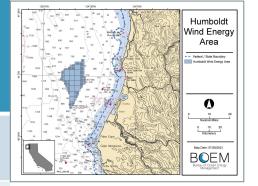


Wrap Up - Sending BOEM Comments

More information: www.boem.gov/california



Morro Bay	Humboldt
Call Area Extensions	Wind Energy Area



Call for Information and **Nominations**

Purpose: Leasing and site survey

Environmental Assessment Scoping

Purpose: Gather information and wind development interest in new areas.

activities.

Comment period ends

Comment period ends

September 13, 2021

September 13, 2021

How to Comment:

How to Comment:

Federal Register BOEM-2021-0044

Humboldtoffshorewind@boem.gov



BOEM.gov





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