

California Offshore Wind Energy Planning Process

San Luis Obispo, California
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Jean Thurston, BOEM | Chris Potter, California Ocean Protection Council



Outline

- How We Got Here
- Where We're Going
- Data and Information BOEM is Looking For
- Call for Information and Nominations *Federal Register* Notice
- Data Basin and Mapping



BOEM California Intergovernmental Task Force

- Serves as a forum to discuss stakeholder concerns, exchange data and information
- An unsolicited lease request submitted in January 2016 and subsequent interest by developers triggered BOEM's competitive leasing process
- Task Force Formation requested by Governor Brown in May 2016
- First Task Force meeting held October 2016
- Second Task Force meeting held September 2018
- Membership consists of state and federal agencies, local, and tribal governments



Stakeholder Engagement Activities

- **Stakeholder Outreach Plan** created in collaboration with State of California
- **California Offshore Wind Energy Gateway** on Data Basin website – transparent, publicly accessible information
- **Tribal Outreach** to federally and non-federally recognized tribes
- **Large outreach effort** (75+ meetings over 18 months) in partnership with State of California

Planning & Analysis

- Intergovernmental Task Force
- **Call for Information & Nominations (Call)**
- Area Identification
- Environmental reviews



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
- Community and traditional values, such as commercial and recreational uses

Use data and information to:

- Inform offshore wind energy leasing process

The screenshot shows the homepage of the California Offshore Wind Energy Gateway. At the top, there is a search bar and a navigation menu with tabs for 'Get Started', 'Explore', 'Create', 'Community', and 'My Workspace'. Below the navigation, there is a main content area with a large introductory text block and a 'read more' link. To the right of the text is a photograph of a wave. Below this, there are four category tiles: 'California Marine & Coastal Energy', 'California Marine & Coastal Management', 'California Marine & Coastal Ecology and Natural Resources', and 'California Marine & Coastal Community Values and Traditional Uses'. Further down, there are two sections: 'Featured Items' which includes five dataset thumbnails (Essential Fish Habitat, Marine Protected Areas Inventory, NOAA California Ocean Uses Atlas - Non-consumptive, NOAA California Ocean Uses Atlas - Industrial, and NOAA California Ocean Uses Atlas - Fishing), and 'California Off-Shore Wind Resources' which features a map of the California coast with wind resource designations. At the bottom, there are two buttons: 'Download the Fact Sheet & Get Involved' and 'Follow Progress'. The footer contains logos for BOEM (Bureau of Ocean Energy Management), the State of California, and the California Energy Commission.



Offshore Renewable Energy Leasing Process

Planning & Analysis

- Intergovernmental Task Force
- **Call for Information & Nominations (Call)**
- Area Identification
- Environmental reviews

Leasing

- Publish leasing notices
 - Proposed
 - Final
- Issue lease(s)

Site Assessment

- Site Characterization
- Site Assessment Plan (SAP) developed by Lessee

Construction & Operations

- Construction and Operations Plan (COP) reviewed under NEPA
- Facility Design Report & Fabrication and Installation Report
- Decommissioning

Public input opportunities throughout the process including public meetings and Federal Register notices providing for public comment periods and opportunity for tribal consultation throughout

Multi Year Process



What is the Call?

- Notice published in the *Federal Register* for formal public comment
- Requests information on focused areas for BOEM to consider in the planning, analysis and decision making process
- Requests nominations of interest for leasing from project developers
- Not a decision to lease

Planning & Analysis

- Intergovernmental Task Force
- **Call for Information & Nominations (Call)**
- Area Identification
- Environmental reviews



What is the next step after a Call?

- 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
- WEAs would be analyzed under NEPA in an environmental analysis document

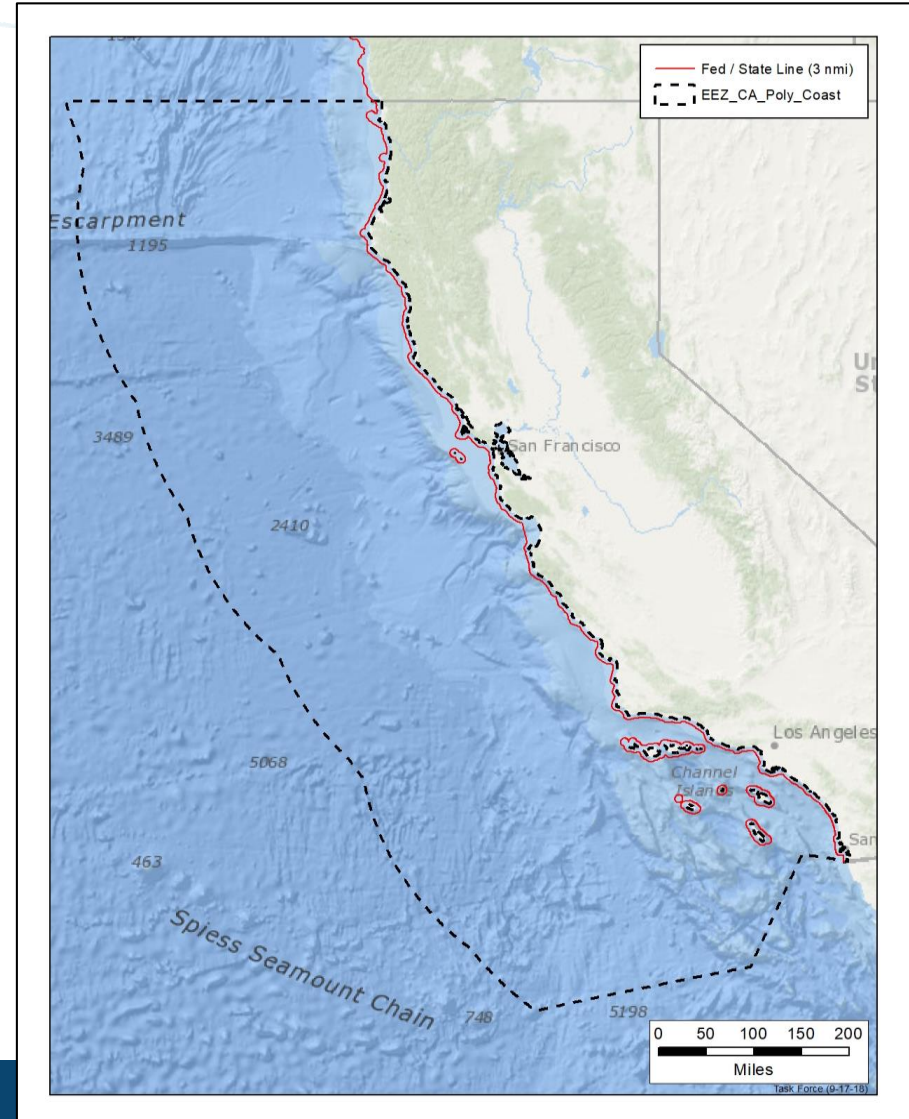
Planning & Analysis

- Intergovernmental Task Force
- Call for Information & Nominations (Call)
- **Area Identification**
- Environmental reviews



California Offshore Wind Planning Area

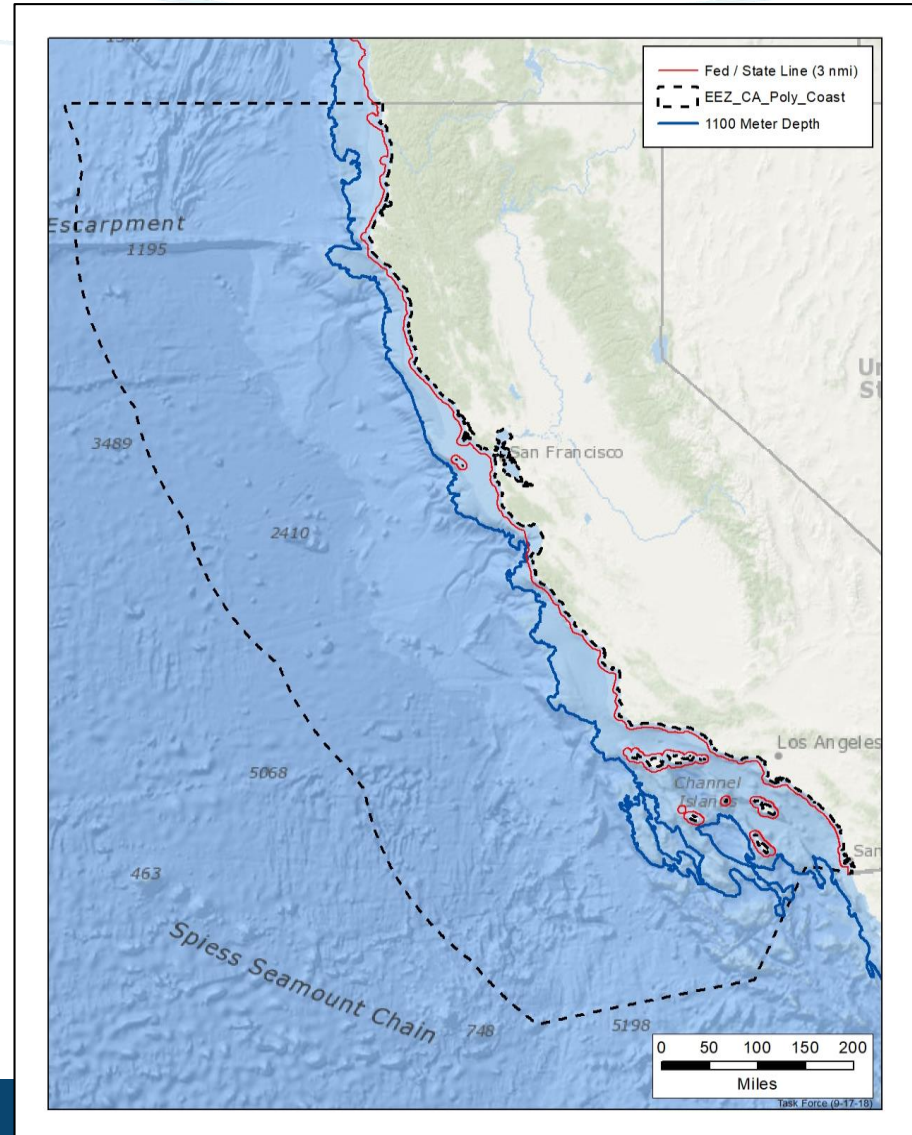
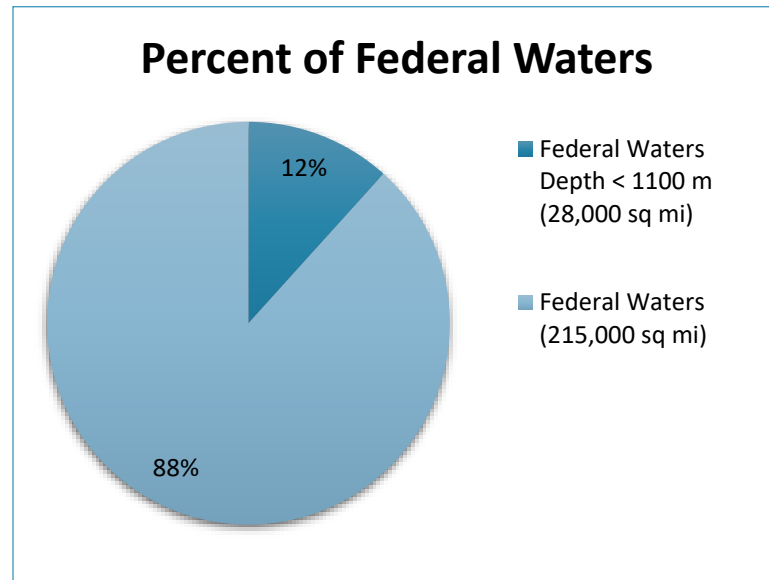
- **BOEM Jurisdiction**
- **Federal Waters**
3 nmi – 200 nmi
- **Offshore California**
= 215,000 sq miles



California Offshore Wind Planning Area

Water depth

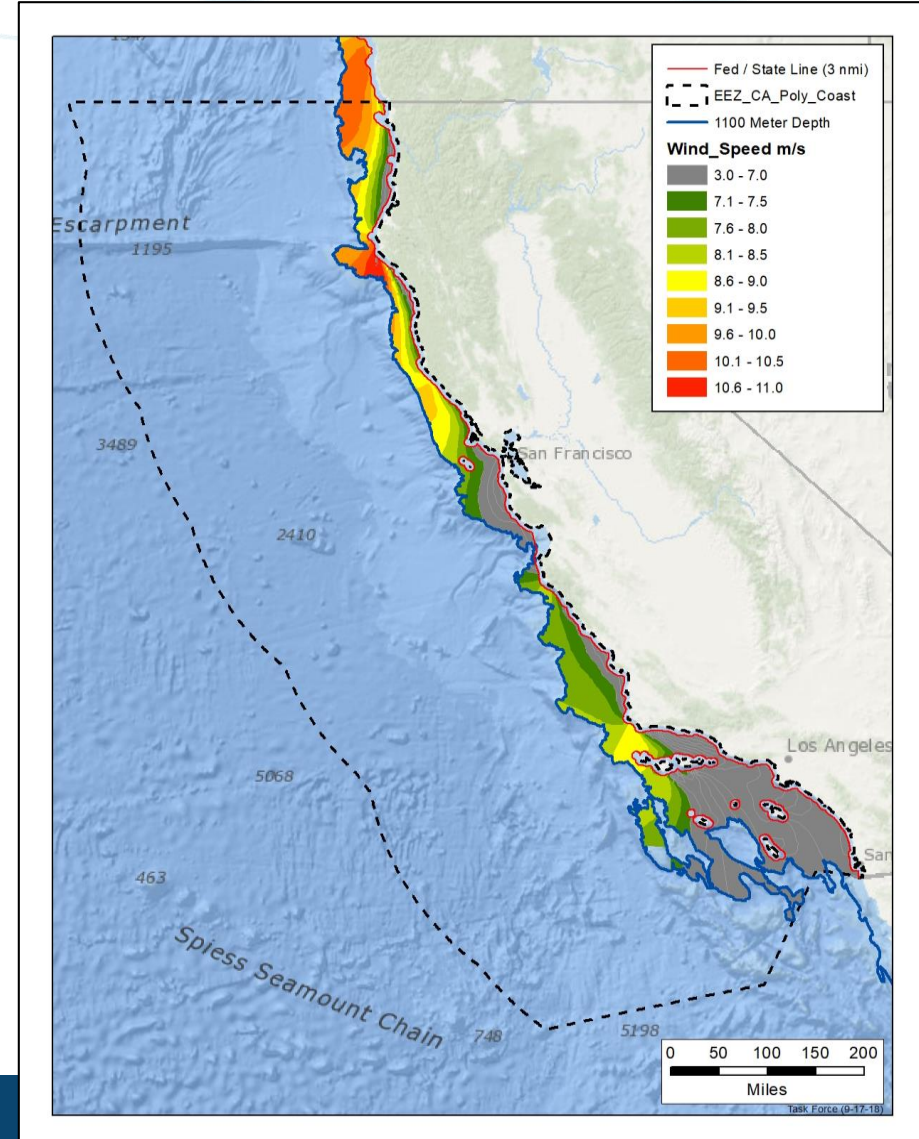
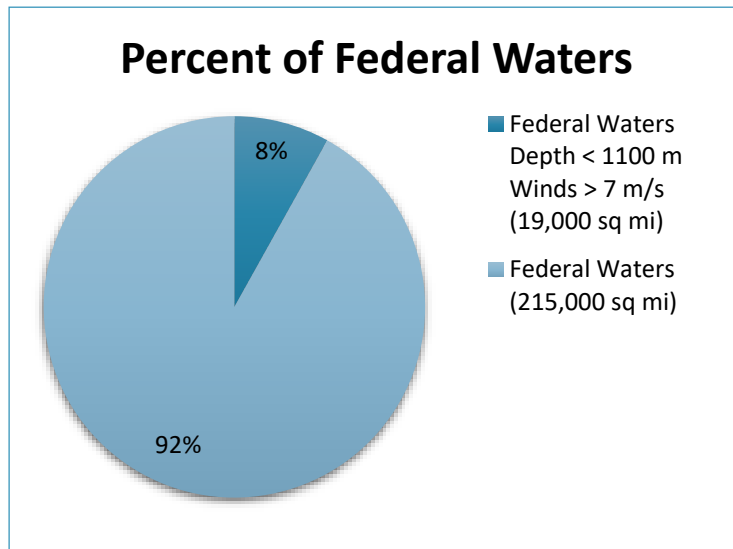
- Less than 1100 m
- 28,000 sq miles



California Offshore Wind Planning Area

Wind Speed

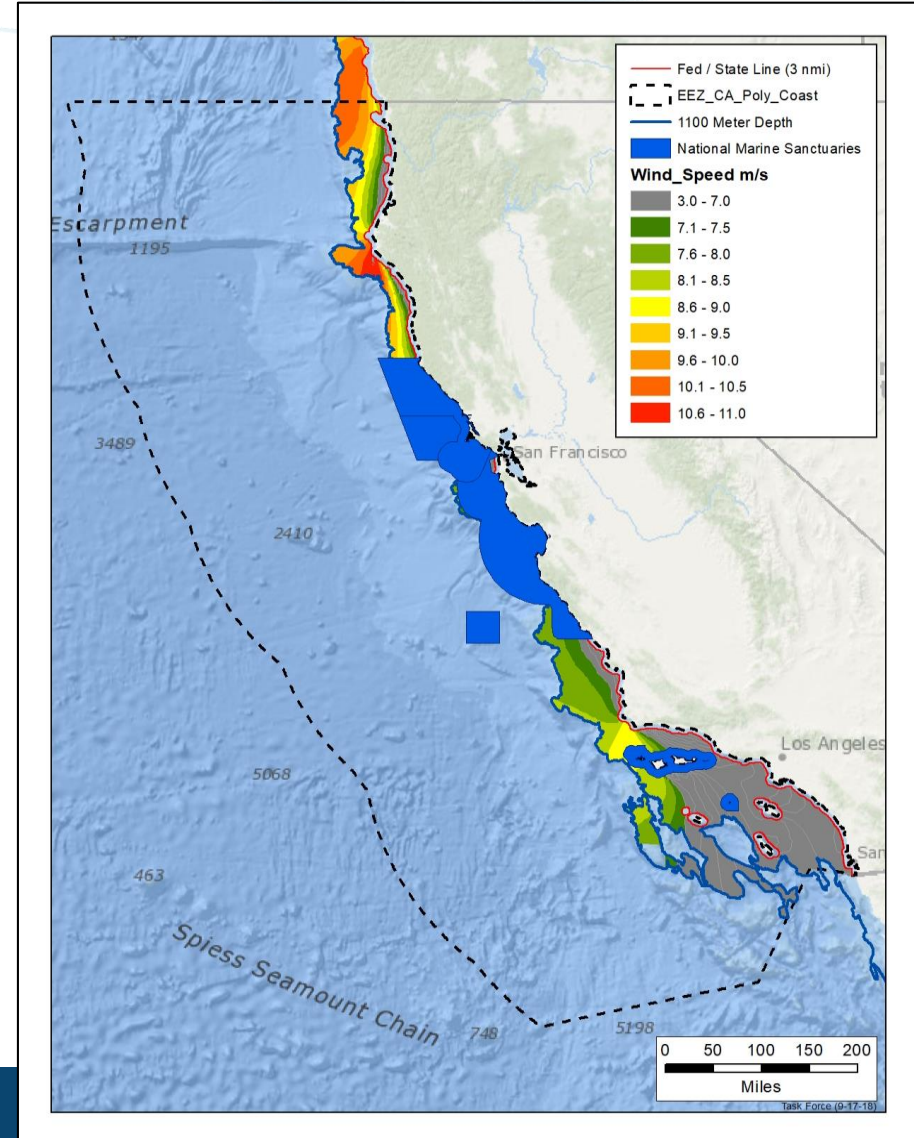
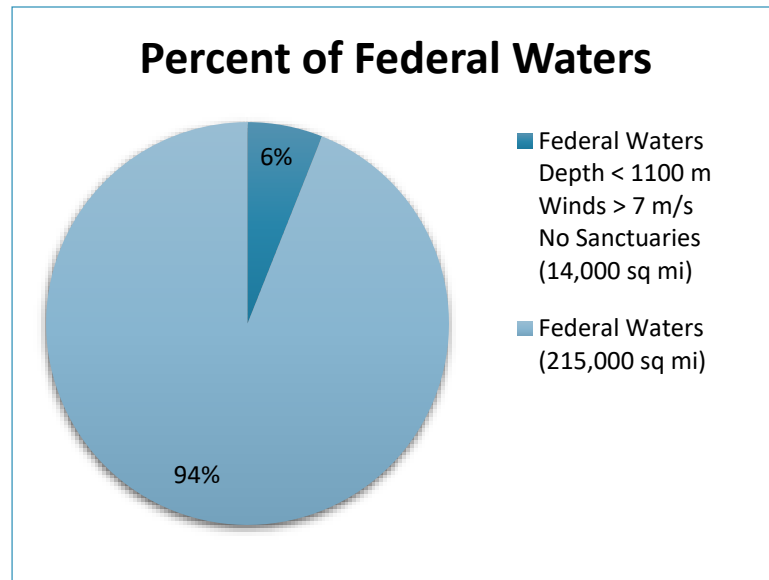
- Greater than 7 m/s
- 19,000 sq miles



California Offshore Wind Planning Area

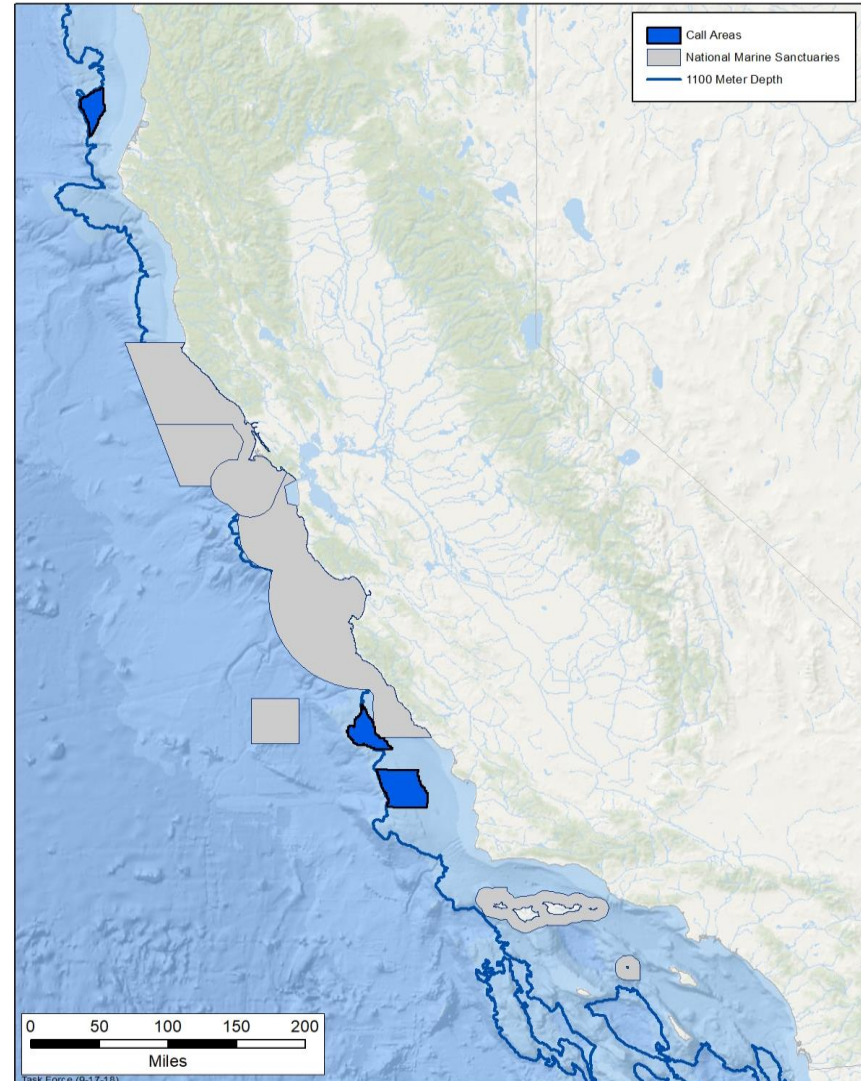
○ National Marine Sanctuaries

○ 14,000 sq miles



California Call Areas

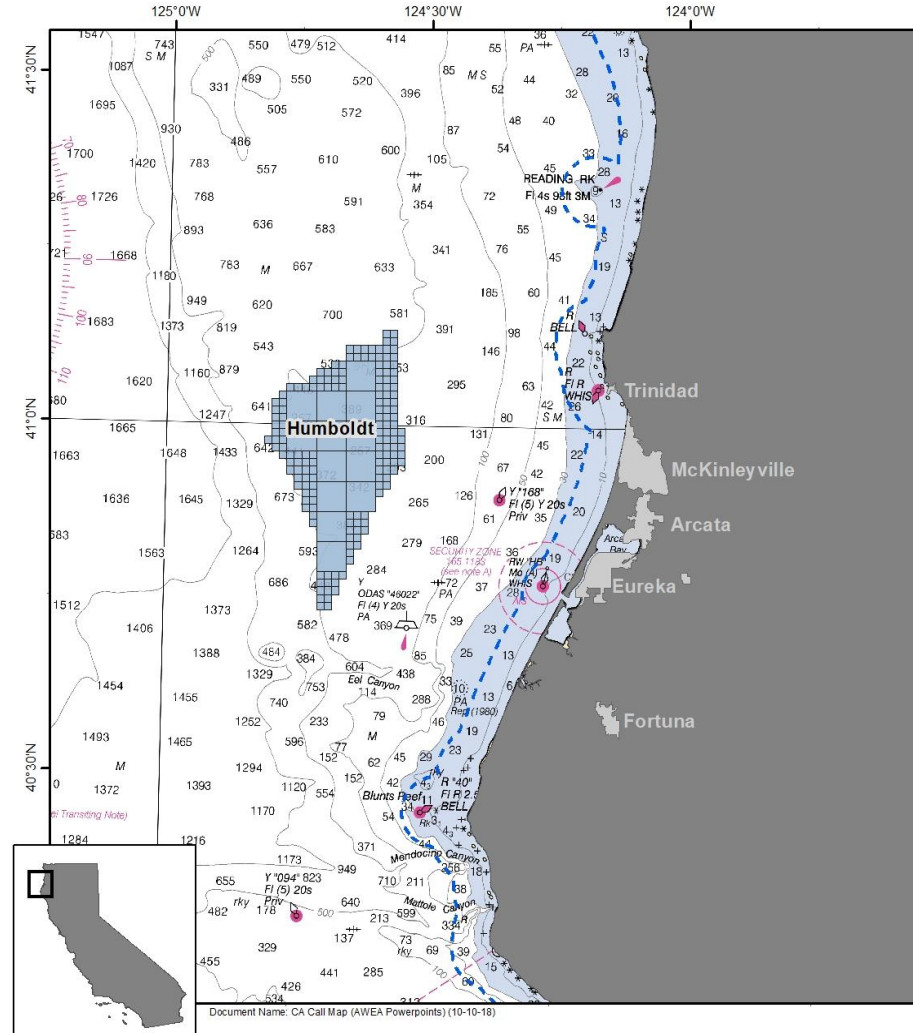
- **North Coast**
 - Humboldt Call Area
- **Central Coast**
 - Morro Bay Call Area
 - Diablo Canyon Call Area



North Coast: Humboldt Call Area

- Humboldt Call Area:

- 21 miles from Eureka, CA
- Approximately 206 square miles total area



Northern California Call Area

Call Areas

Federal / State Boundary



0 10 20
Nautical Miles

0 10 20
Kilometers

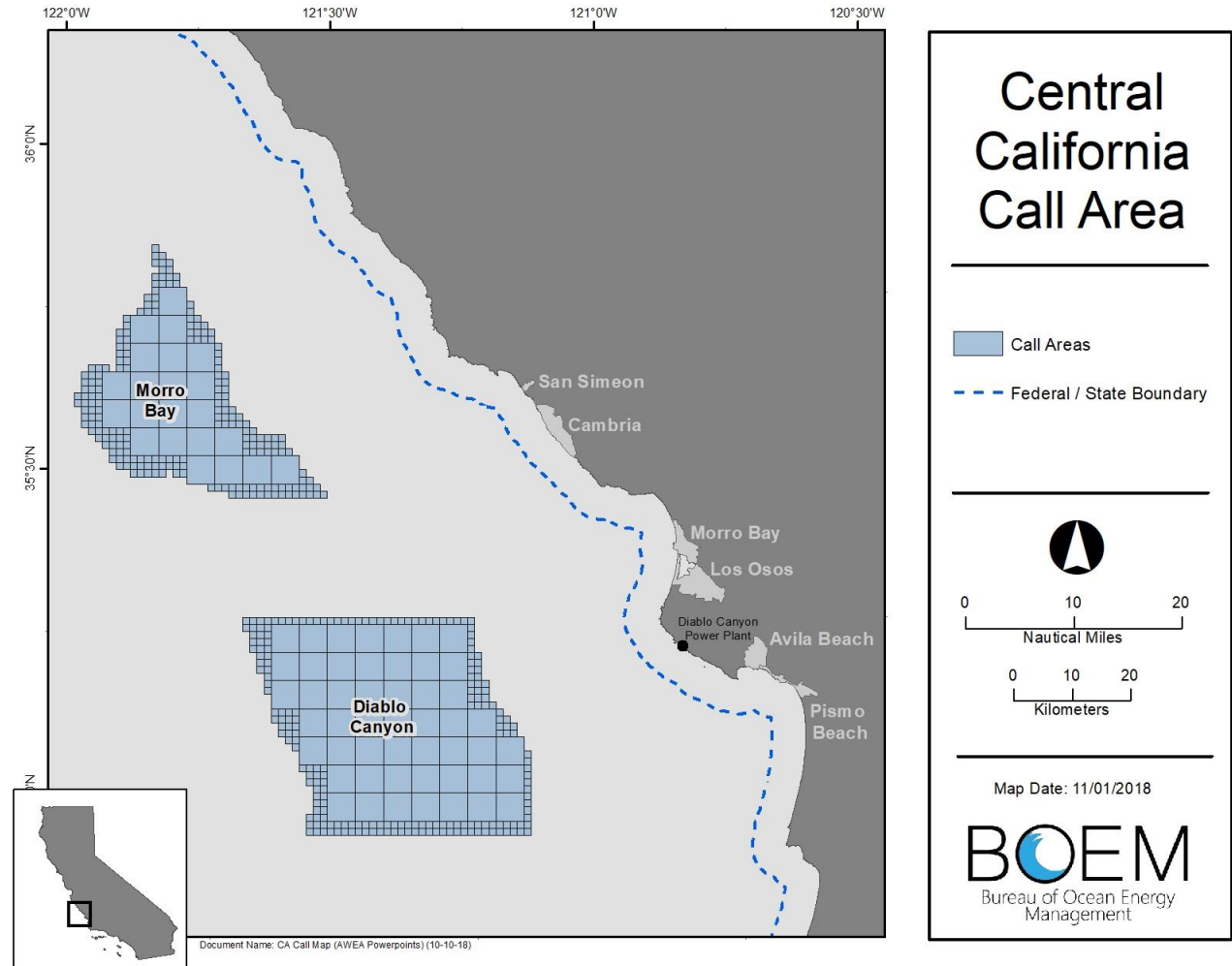
Map Date: 11/01/2018

BOEM
Bureau of Ocean Energy
Management



Central Coast: Morro Bay and Diablo Canyon Call Areas

- **Morro Bay Call Area:**
 - 24 miles from Cambria, CA
 - Approximately 311 square miles total area
- **Diablo Canyon Call Area:**
 - 22 miles from Los Osos, CA
 - Approximately 556 square miles total area



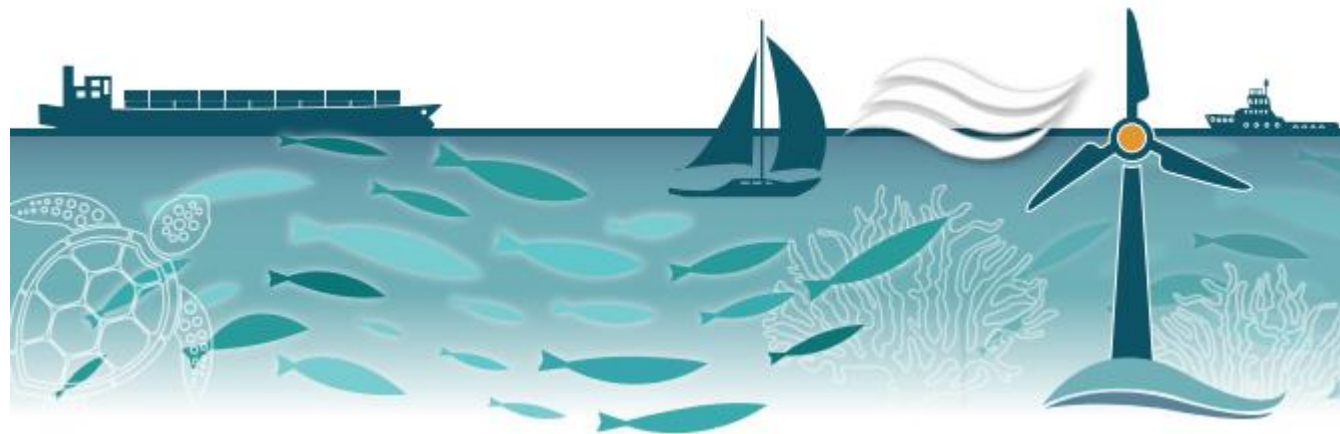
Types of Comments to Submit

- **BOEM requests specific and detailed comments on features, activities and concerns in the Call Areas such as:**
 - Environmental, socioeconomic and biological information
 - Commercial and recreation fishing
 - Recreation
 - Energy resources
 - Visual resources and aesthetics
 - Navigation and vessel uses
 - Historic properties
 - Geological, geophysical and biological conditions
 - Known archaeological and/or cultural resources



Final Thoughts:

- Comment period closes at 11:59 p.m. eastern time on **January 28, 2019**
- Clearly identify your concern
- Consider including examples of how offshore wind would impact you
- We want to hear from you!



Contact Information

Jean Thurston

BOEM California Project Coordinator
Bureau of Ocean Energy Management
760 Paseo Camarillo
Camarillo, CA 93010
Office: 805.384.6303
Jean.Thurston@boem.gov

Chris Potter

Ocean Renewable Energy Program Manager
Ocean Protection Council
1416 Ninth Street, Suite 1311
Sacramento, CA 95814
Office: 916.654.0536
Chris.Potter@resources.ca.gov

