

An underwater photograph showing the rippled patterns of sand on the ocean floor. The water is clear and blue, with light filtering through from above, creating a shimmering effect on the sand. The ripples are regular and rhythmic, extending across the entire frame.

Big Sur Multi-Agency Advisory Committee Meeting

Outreach on Additional Areas for Offshore Wind Energy
on the Central Coast of California

June 19, 2020

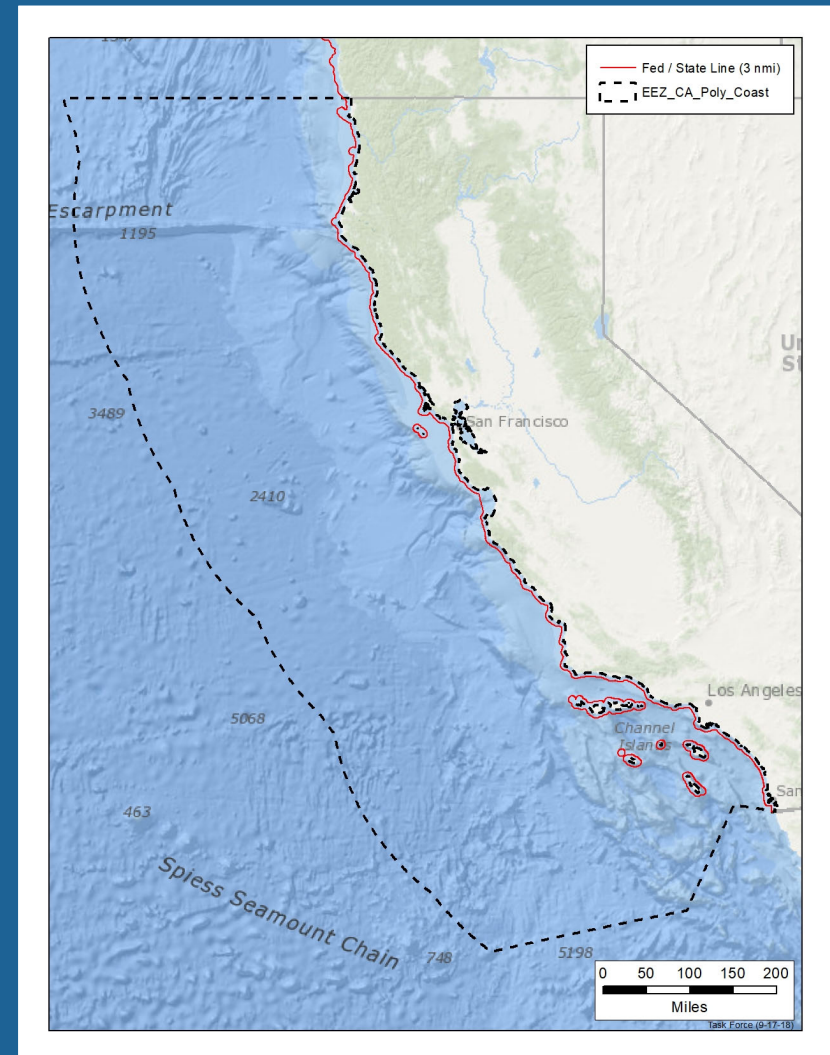


Why Offshore Wind?

- **Support California Climate Policy**
 - Senate Bill 32: 40% GHG reduction below 1990 by 2030
 - Senate Bill 100: 100% zero-carbon electricity by 2045
- **Complementary Energy Source**
 - Offshore wind is more consistent
 - Time of generation complements solar and electricity usage
- **Plentiful Energy Resource**
 - California offshore wind energy resource is significant
- **Costs Are Dropping**
 - Increasingly competitive with other renewable energy sources

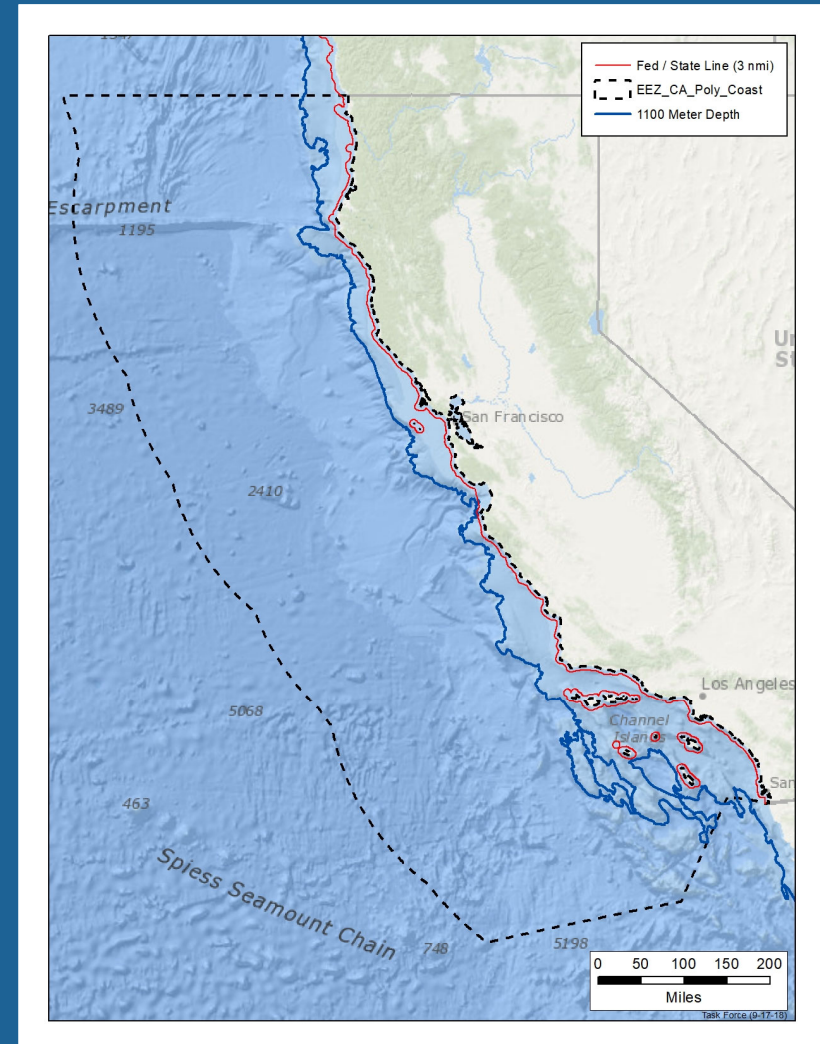
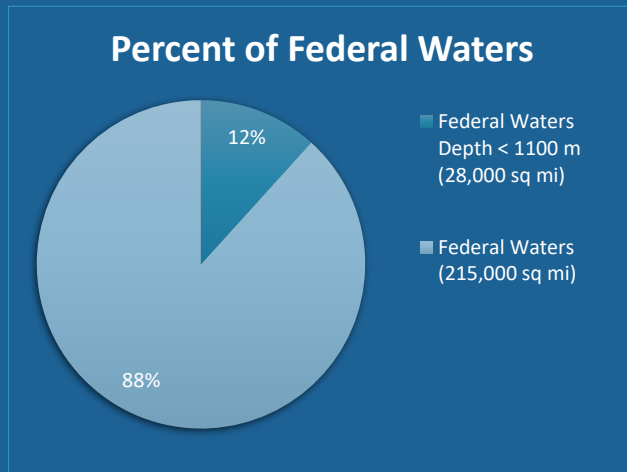
California Offshore Wind

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



California Offshore Wind

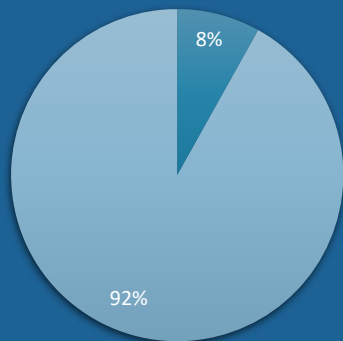
- Depth Limit
 - Less than 1100 m
 - 28,000 sq miles



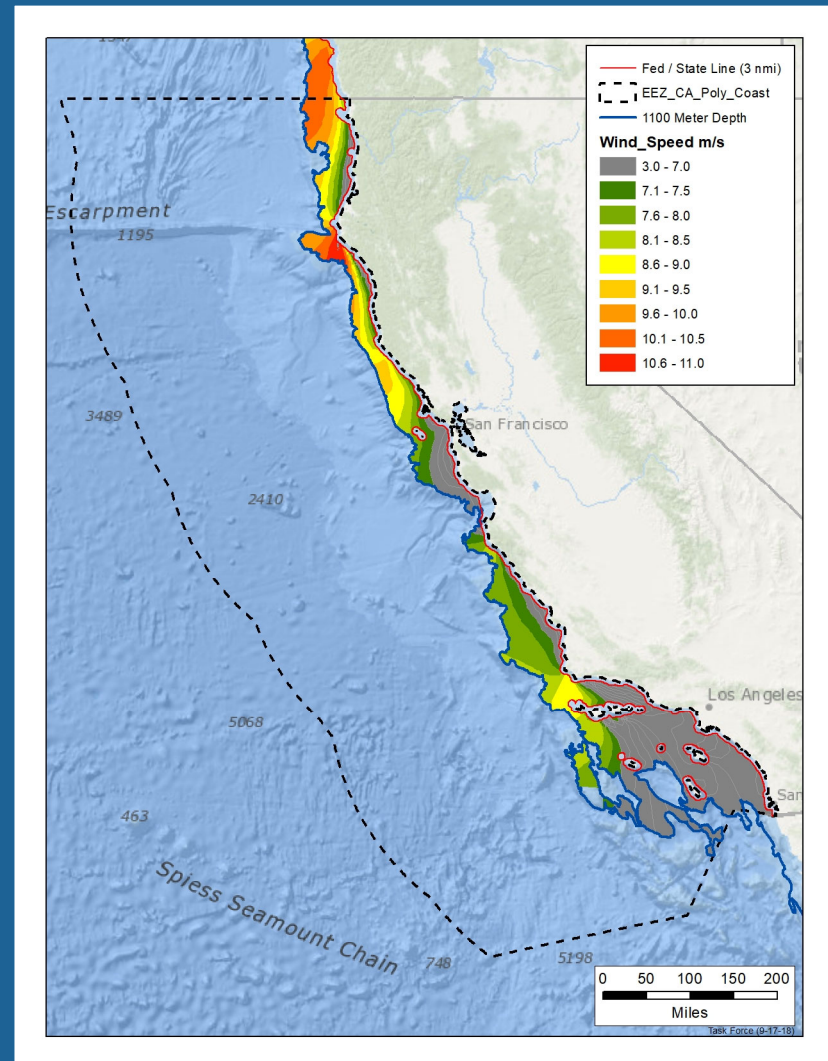
California Offshore Wind

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

Percent of Federal Waters

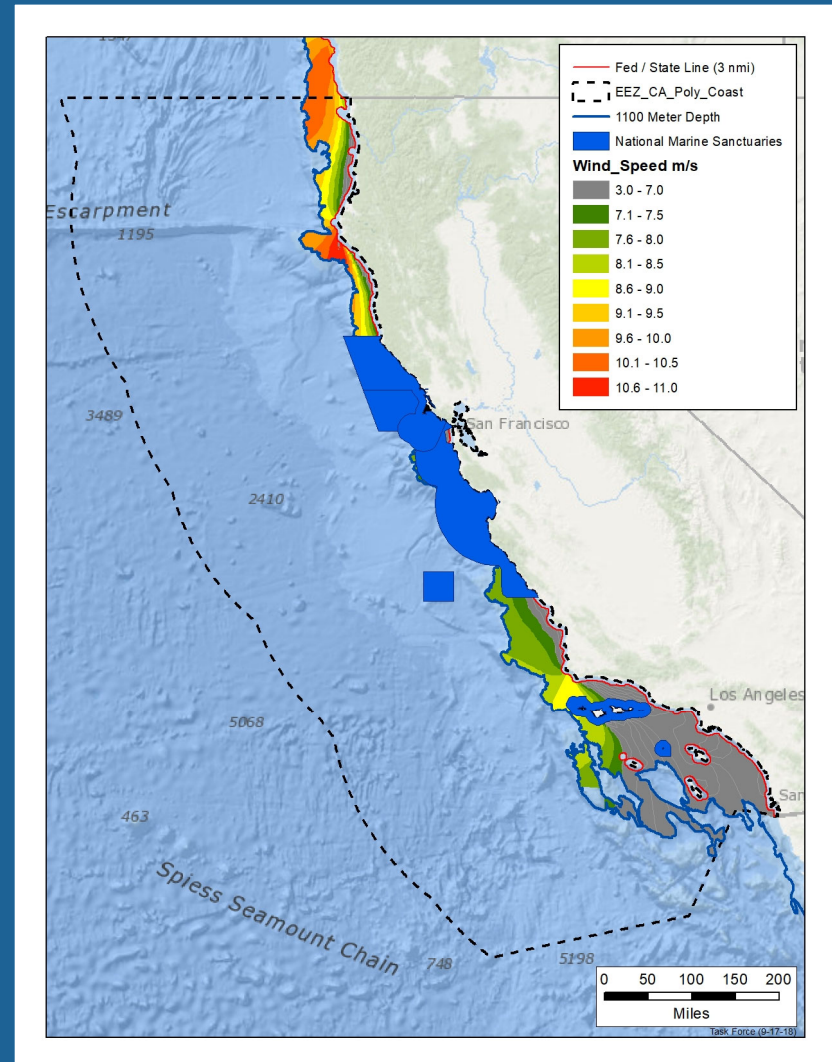
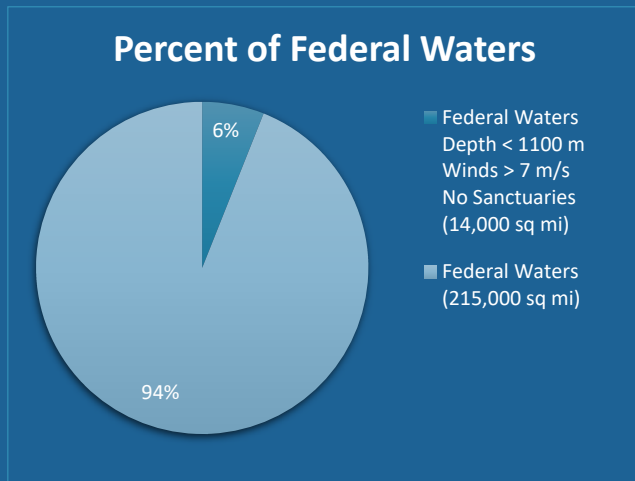


- Federal Waters Depth < 1100 m Winds > 7 m/s (19,000 sq mi)
- Federal Waters (215,000 sq mi)



California Offshore Wind

- National Marine Sanctuaries
- 14,000 sq miles



How Did We Get Here?

BOEM California Intergovernmental Renewable Energy Task Force

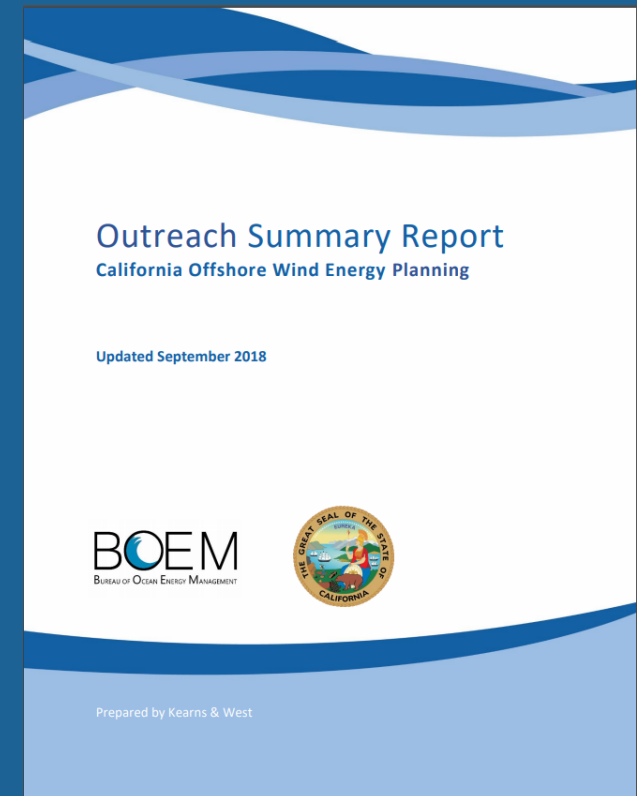
- Serves as a forum to facilitate early and continual coordination, exchange data and information, and discuss stakeholder concerns
- Membership consists of state and federal agencies, local, and tribal governments
- Formation requested by Governor Brown in May 2016
- First Task Force meeting held October 2016
- Second Task Force meeting held September 2018
- Third Task Force meeting (webinar) held March 2020



How Did We Get Here?

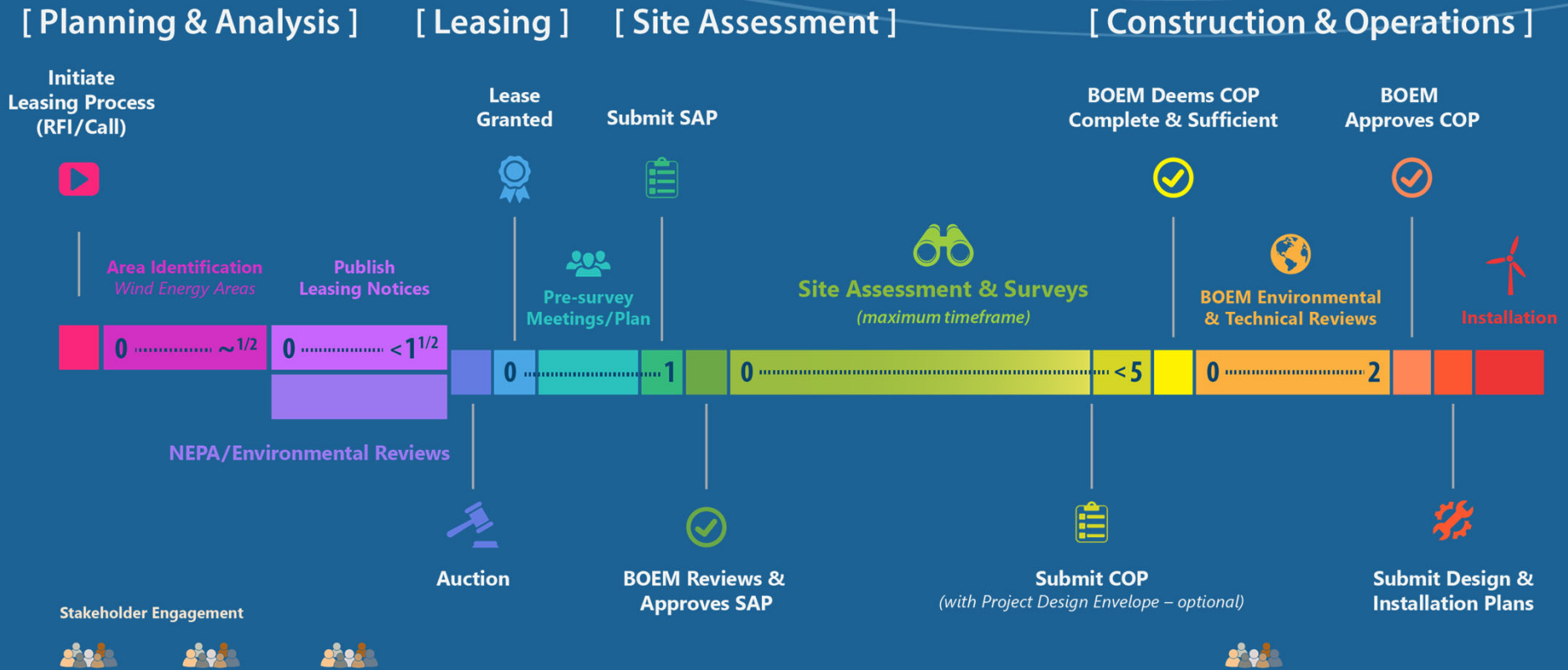
Engagement Activities

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



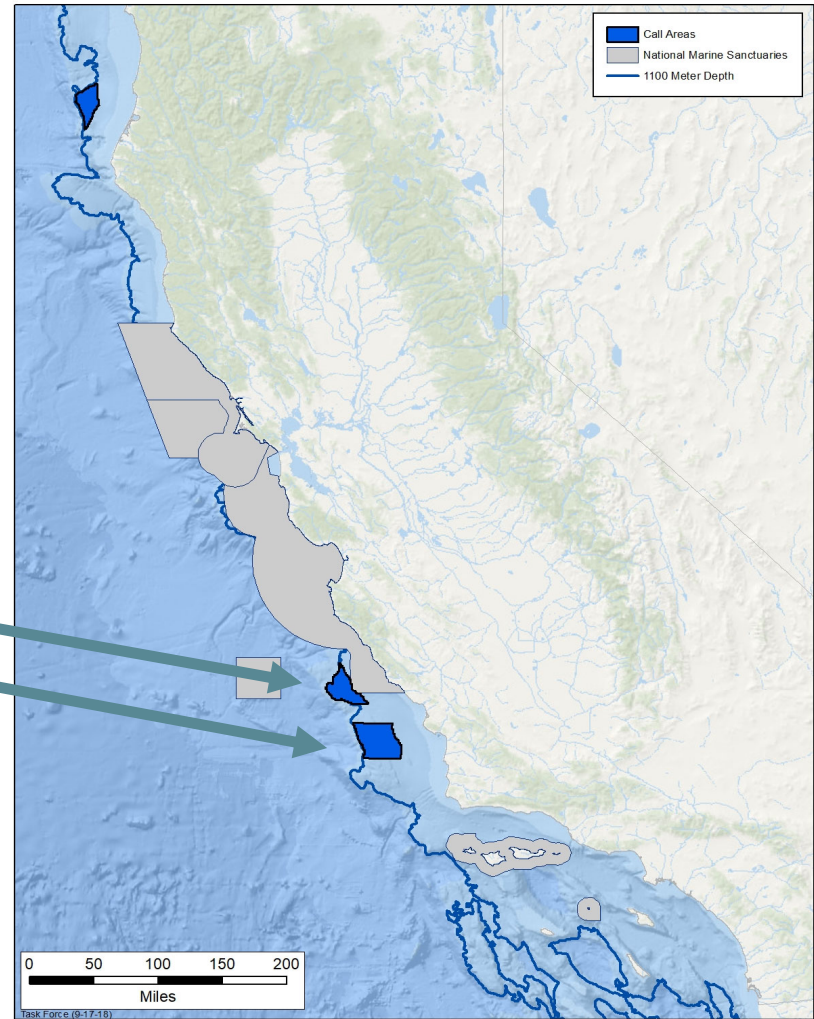
<https://www.boem.gov/sites/default/files/renewable-energy-program/State-Activities/CA/Outreach-Summary-Report-September-2018.pdf>

OCS Renewable Energy Authorization Process Timeline



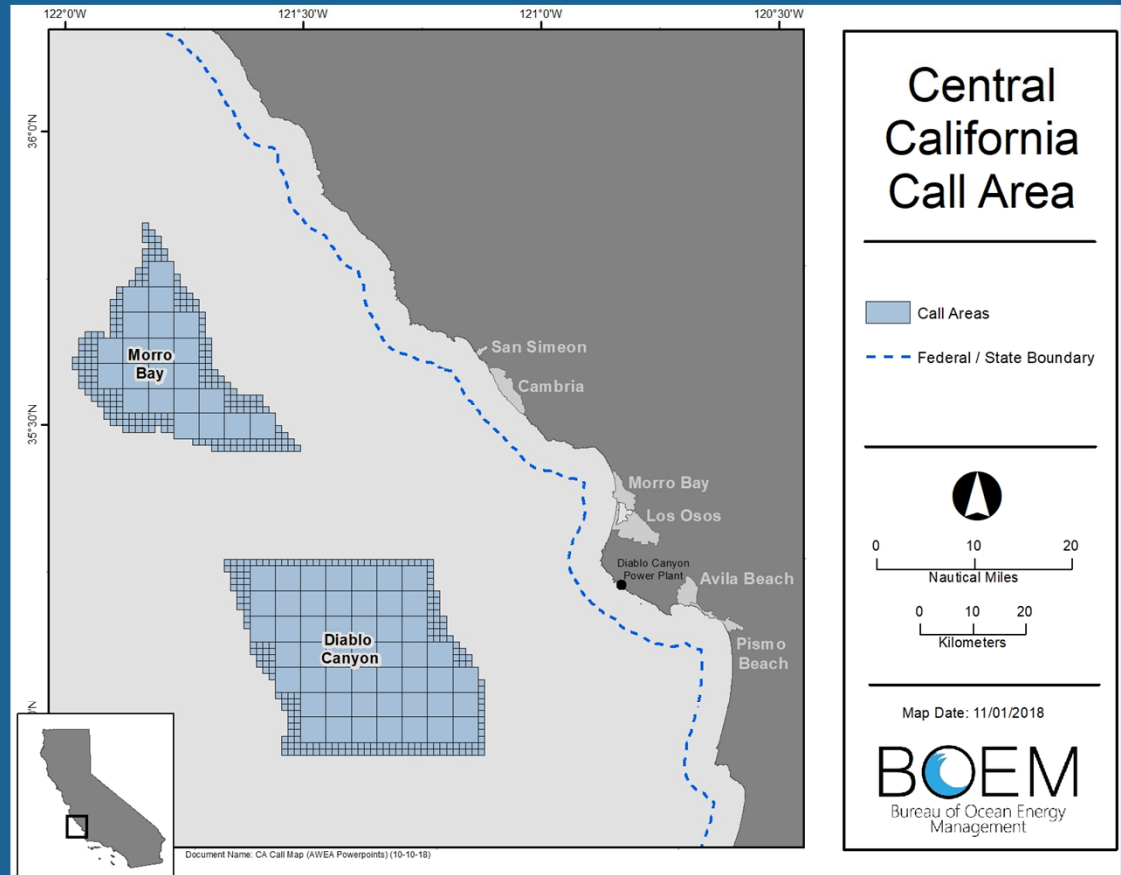
California Call Areas

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



Central Coast Call Areas

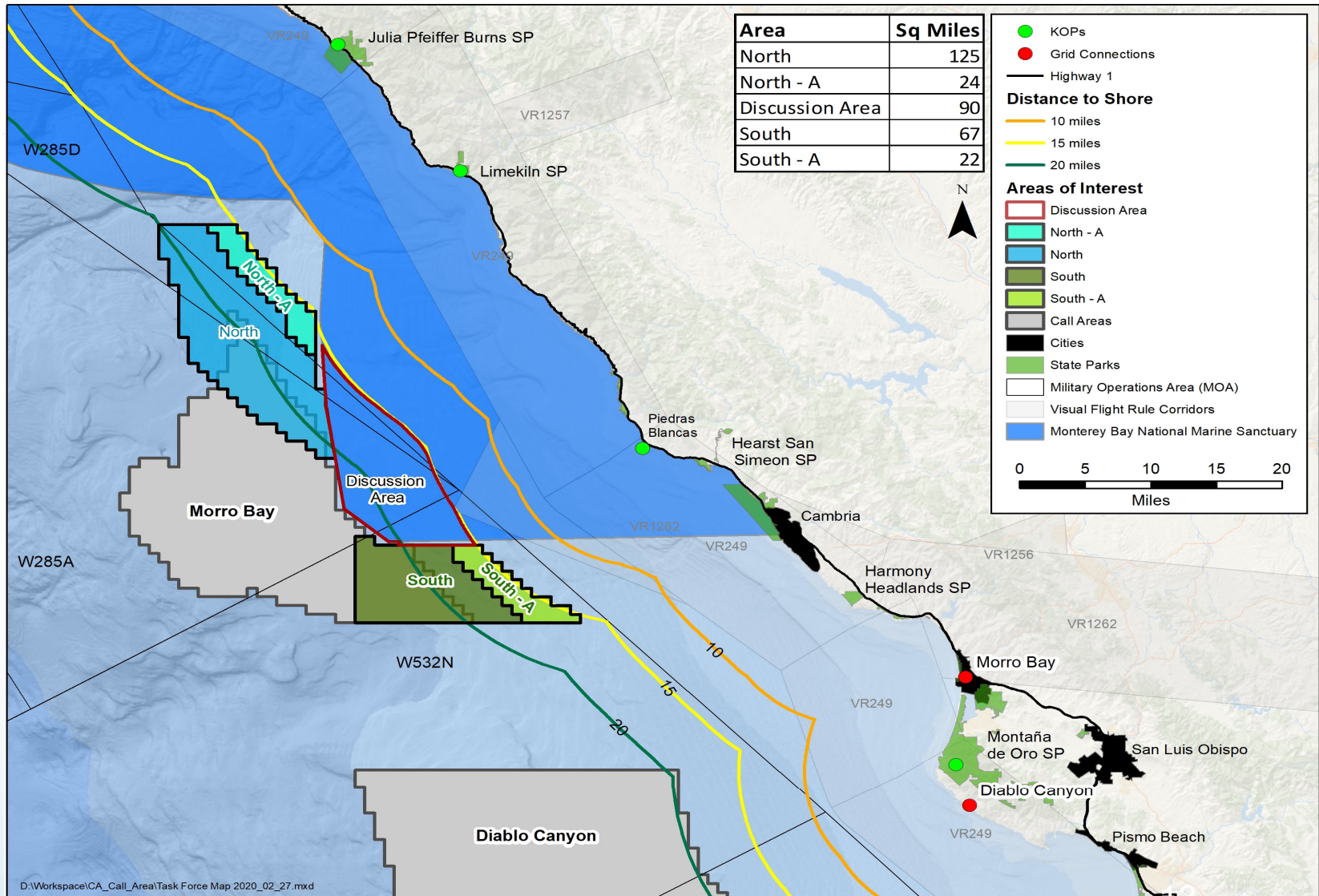
- **Morro Bay Call Area:**
 - 24 miles from Cambria
 - Approximately 311 square miles total area
- **Diablo Canyon Call Area:**
 - 22 miles from Los Osos
 - Approximately 556 square miles total area





Working Group Background

- 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.
- On August 21, 2019, Congressman Carbajal hosted a meeting with senior officials from DoD, BOEM, NOAA Sanctuaries, the California Energy Commission, and state and locally elected representatives.
- A group comprised of DoD, BOEM, NOAA Sanctuaries, Congressman Panetta's office, and state agencies (CEC and Ocean Protection Council) led by Congressman Carbajal's office met multiple times following the August 21, 2019 meeting.
- For more information on the working group, go to:
<https://efiling.energy.ca.gov/GetDocument.aspx?tn=232933&DocumentContentId=65381>





Visual Simulations Video

- The video you are about to see is that of the visual simulation project to understand the potential visual impacts of a hypothetical wind farm when seen from 4 different locations along the central California coast, under different lighting conditions, times of day, and distances from the shore.
- For each of the viewing locations, simulations were produced for 9:00 AM, 1:00 PM, 5:00 PM, and 10:00 PM at distances of 15, 17, and 20 miles from shore.
- A complete set of the 48 visual simulations is available for viewing at: <https://www.boem.gov/regions/pacific-ocs-region/march-9-2020>



VIDEO



Next Steps and Contact Information

- Remote outreach to Central Coast stakeholders
- Remote public workshop on July 2020
- CEC taking written comments through July 31, 2020
- Augment existing stakeholder outreach report

To view this video and to see additional simulations, go to <https://www.boem.gov/regions/pacific-ocs-region/march-9-2020>

To submit written comments, go to the CEC's e-comment webpage <https://efiling.energy.ca.gov/Ecomment/Ecomment.aspx?docketnumber=17-MISC-01>

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