

BOEM's Mission

Bureau within the Department of the Interior (DOI)

 Oversees development of nation's energy and mineral resources on the Outer Continental Shelf (OCS)

OCS Lands Act of 1953 as amended, including amendments per Energy Policy Act of 2005

- Renewable energy (leases, easements, ROWs)
- Marine minerals (e.g., sand and gravel)
- Conventional energy (e.g., oil and gas)







Offshore Renewable Energy Technology Examples

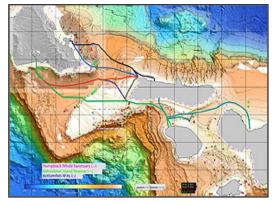
Wind





Ocean Current*







Wave*



^{*}BOEM is responsible for leasing areas of the OCS for ocean current and wave energy projects and FERC regulates and issues licenses for their operation.



BOEM Environmental Programs

Environmental Sciences

- Provide information to:
 - predict, assess and manage effects from offshore energy development, and production activities on...
 - human, marine, and coastal environments



Environmental Analysis

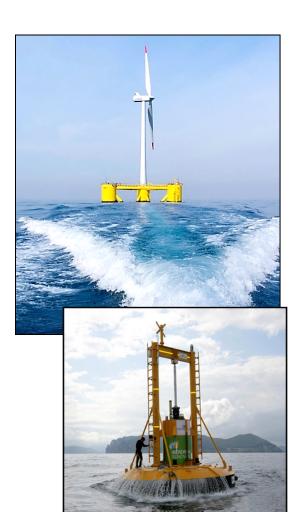
Develop environmental documents under the National Environmental Policy Act (NEPA)







Pacific Region Strategic Research Priorities: Renewable Energy

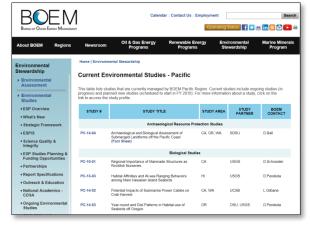


- Gather and synthesize existing data
- Determine data gaps and update information where needed
- Integrate studies across marine ecosystems and human dimensions
- New research and ongoing study examples:
 - Renewable energy scenarios offshore central California
 - Seabird and marine mammal surveys in California
 - Effects of marine renewable energy technologies
 - Potential impacts of submarine power cables on crab harvest



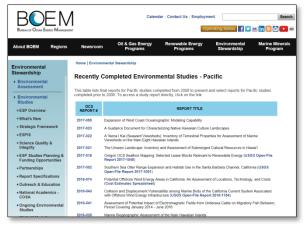
BOEM-funded Scientific Research

Information Resources – Pacific OCS Region Studies





www.boem.gov/Pacific-Current-Studies/



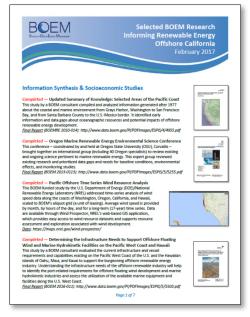
Recently Completed Pacific Studies:

www.boem.gov/Pacific-Completed-Studies/



Environmental Studies Program Information System:

www.boem.gov/Environmental-Studies-EnvData/



Selected Research Informing Renewable Energy Offshore California:

www.boem.gov/Selected-BOEM-Research-Information-CA/







BOEM Renewable Energy Leasing

BOEM issues three types of leases for renewable energy:

- Commercial leases
- Limited leases
- Research leases

How does someone obtain a lease on the OCS?

- 1. Submit an unsolicited lease request
- 2. Respond to a BOEM *Federal Register* notice

How does BOEM issue leases?

- 1. Non-competitive process
- Competitive process





California Leasing Process

- BOEM received an Unsolicited Lease Request from Trident Winds LLC
- BOEM published a Request for Interest (RFI) and received an expression of competitive interest
- Currently engaged in the Planning and Analysis phase of the Competitive Leasing Process
- Conducted extensive stakeholder outreach effort in partnership with State of California focused on the Central Coast
- Uploaded large number of datasets to the California Offshore Wind Energy Gateway in Data Basin
- Continuing discussions with Department of Defense on military mission compatibility
 - Developers has the opportunity to provide more specific and granular project information to the Department of Defense for a mission compatibility assessment
- Next Steps:
 - Continue outreach offshore California (Northern Coast)
 - Publish a Call for Information and Nominations on areas identified appropriate for leasing





Renewable Energy Leasing Process

Planning and Analysis

Officer Data Collection Area Options Data Collection Area Special Emphasis Area San Diego S

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

Leasing



- Publish leasing notices
- P
 - Preliminary
 - Final
- Issue lease(s)

Site Assessment



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

Construction and Operations



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



Public Input Opportunity





Energy Commission Contact Information

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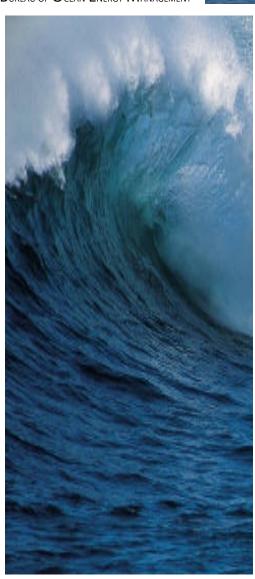
Phone: 916-651-3774

Access workshop notices, reports, announcements, and other documents on offshore renewable energy, as well as sign up to receive email updates at:

www.energy.ca.gov/renewables/offshore_energy/



Contact Information



California Activities https://www.boem.gov/california/

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