Mission: Manage the development of U.S. Outer Continental Shelf (OCS) energy and mineral resources in an environmentally and economically responsible way

Jurisdiction on the U.S. West Coast
- Federal waters from 3 to 200 nautical miles (i.e., the OCS)
- Offshore California, Oregon, and Washington
- Excludes National Marine Sanctuaries
1. Floating wind turbines are configured in an array to optimize the capture of wind energy.

2. Energy captured by the turbines is conveyed through a transmission line to a floating substation.

3. A transmission cable transmits the power from the floating substation to the shore, where it is connected to the onshore electric system.

BOEM Jurisdiction

Territorial Sea Boundary (3 nautical miles)

State & Local Government Jurisdiction
Offshore Wind Energy Technologies

Image Credit: Schatz Energy Research Center

Image Credit: NREL

Max height above sea level 866 ft
Hub height 446 ft
Rotor diameter 728 ft
Blade length 351 ft
Semi-submersible platform 200-300 ft
Humpback whale ~43 ft
Mooring lines 1,640-3,600 ft

1 ft = 0.305 m

Image Credit: Schatz Energy Research Center
### Renewable Energy Program by the Numbers

<table>
<thead>
<tr>
<th>Category</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Competitive Lease Sales Completed:</td>
<td>10</td>
</tr>
<tr>
<td>Active Commercial Offshore Leases Issued:</td>
<td>27</td>
</tr>
<tr>
<td>Active Research Offshore Leases Issued:</td>
<td>2</td>
</tr>
<tr>
<td>Site Assessment Plans (SAPs) Approved:</td>
<td>14</td>
</tr>
<tr>
<td>General Activities Plans Approved:</td>
<td>1</td>
</tr>
<tr>
<td>Construction and Operations Plans (COPs):</td>
<td></td>
</tr>
<tr>
<td>• Approved Since 2021</td>
<td>2</td>
</tr>
<tr>
<td>• NEPA Process Underway</td>
<td>10</td>
</tr>
<tr>
<td>• Other COPs Submitted</td>
<td>5</td>
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<tr>
<td>• Anticipated Within Next 12 Months</td>
<td>2</td>
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<tr>
<td>Guidance:</td>
<td>11</td>
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<tr>
<td>Leasing Under Consideration:</td>
<td>5</td>
</tr>
<tr>
<td>Steel in the Federal Waters:</td>
<td>2020</td>
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</table>
BOEM Wind Energy Authorization Process

Planning & Analysis ~ 2 YEARS
- Intergovernmental Task Force
- Request for Information or Call for Information and Nominations (Call)
- Area Identification
- Environmental Reviews

Leasing ~ 1-2 YEARS
- Publish Leasing Notices
- Conduct Auction or Negotiate Lease Terms
- Issue Lease(s)

Site Assessment UP TO 5 YEARS
- Site Characterization
- Site Assessment Plan

Construction & Operations ~ 3 YEARS (+33)
- Construction & Operations Plan
- Facility Design Report and Fabrication & Installation Report
- Decommissioning
- Environmental and Technical Reviews

- BOEM coordinates and consults with affected Tribal, State, and local governments and other federal agencies
  - Multiple opportunities for public input
Oregon Call

- Call issued on April 29, 2022 with 60-day comment period
- Call Areas are of a sufficient size to allow for winnowing
- Considering 3 gigawatts for near-term commercial development for the first leasing activities offshore Oregon
  - Less than one-fourth of the Call Areas
- Call notice and public comments available at [www.boem.gov/Oregon](http://www.boem.gov/Oregon)

<table>
<thead>
<tr>
<th>Call Area</th>
<th>Approx. Offshore Wind Energy Capacity</th>
<th>Oregon Call Areas</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>Gigawatts</td>
<td>Acres</td>
</tr>
<tr>
<td>Coos Bay</td>
<td>10.6</td>
<td>872,854</td>
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<tr>
<td>Brookings</td>
<td>3.5</td>
<td>286,444</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>14.1</strong></td>
<td><strong>1,159,298</strong></td>
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</table>
Parameters for the Development of Oregon Call Areas

- Demand for renewable energy
- Suitability for offshore wind:
  - Wind resource and cost of energy
  - Depth and slope
  - Transmission availability
- Maritime navigation
- Existing submarine cables
- Commercial fishing

- Wildlife and habitat:
  - Marine mammals
  - Sea turtles
  - Marine birds
  - Marine habitat
- Submerged landforms
- Tribal considerations
- Department of Defense considerations
*A lease provides the lessee the right to submit a Site Assessment Plan (SAP) and a Construction and Operations Plan (COP) for technical and environmental review and approval. A lease does not, by itself, authorize any activity within the leased area.
Whitney Hauer, Ph.D., Renewable Energy Specialist (Oregon)
whitney.hauer@boem.gov, 805-384-6263

Ken Clark, Renewable Energy Specialist (Washington)
kenneth.clark@boem.gov, 805-914-4267

Jennifer Miller, Acting Renewable Energy Section Chief
jennifer.miller@boem.gov, 805-384-6306