



BOEM Bureau of
Ocean Energy Management

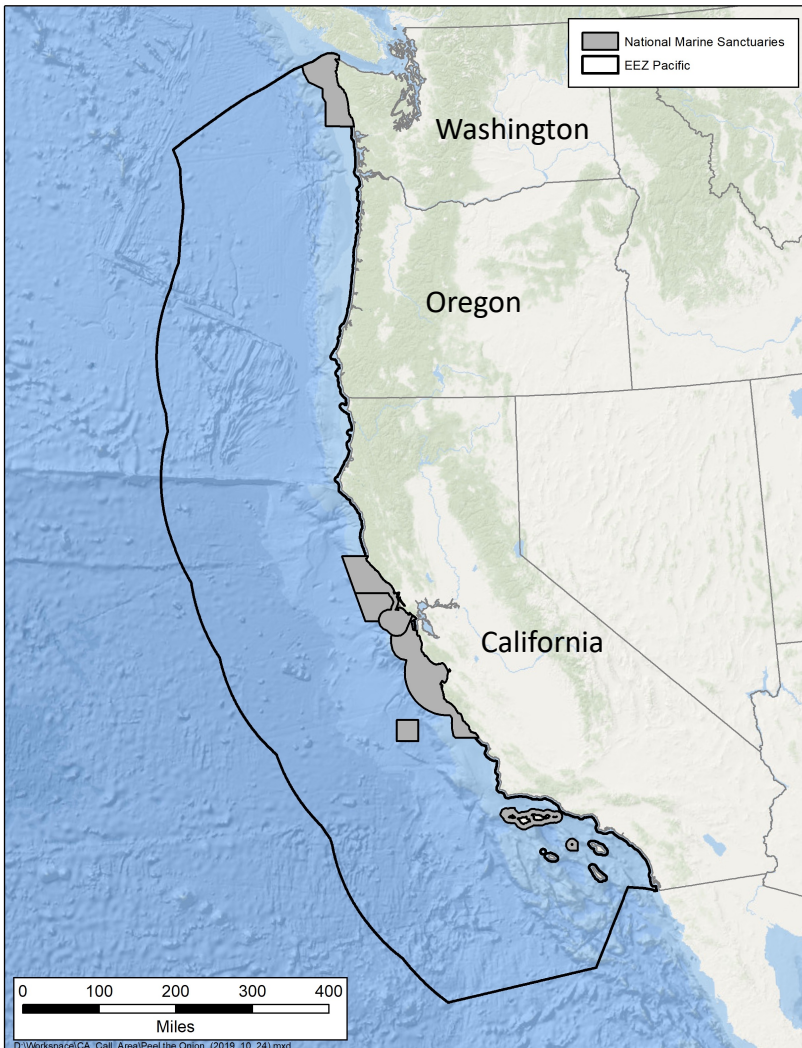
Offshore Wind Energy Planning and Authorization Process

Webinar Series: Decarbonizing the Northwest Webinar Series

July 13, 2022

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BOEM Pacific Regional Office

Bureau of Ocean Energy Management (BOEM)



- **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

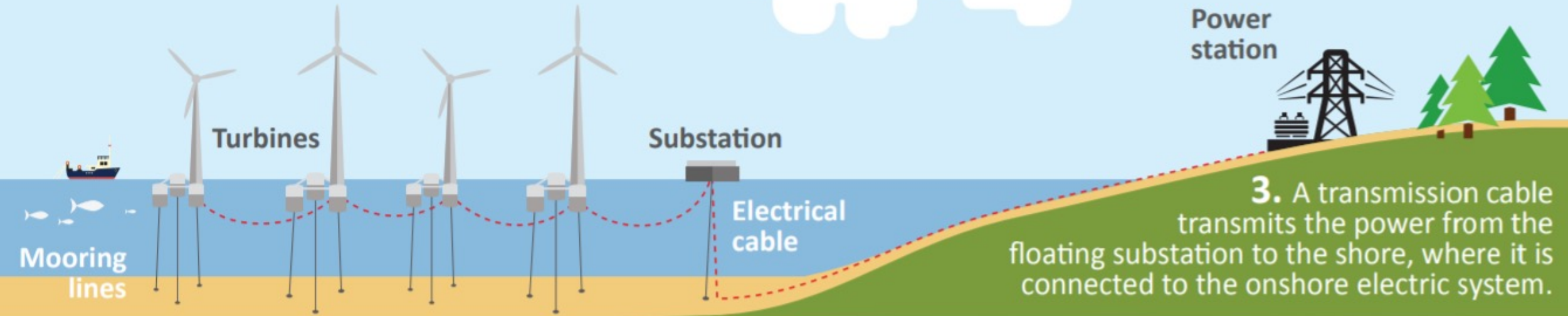


Floating Offshore Wind Energy Farm

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.



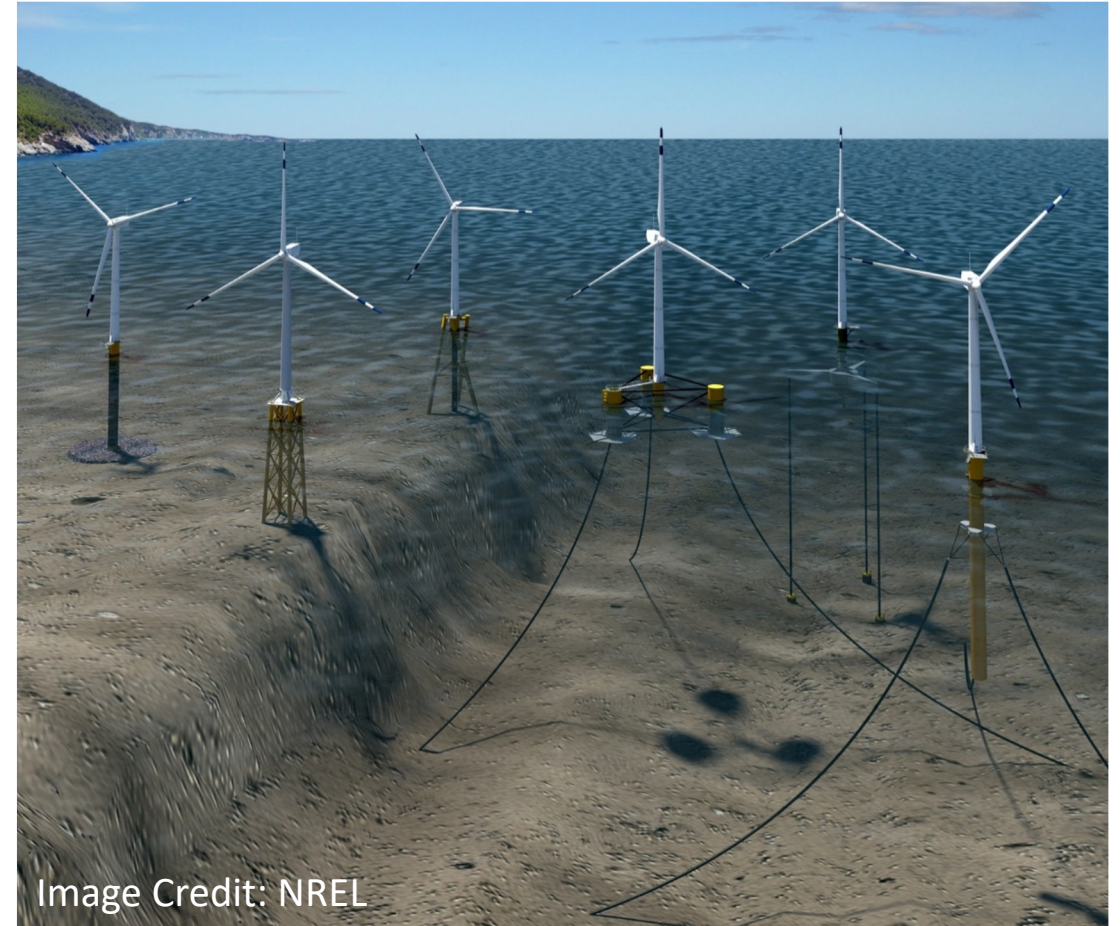
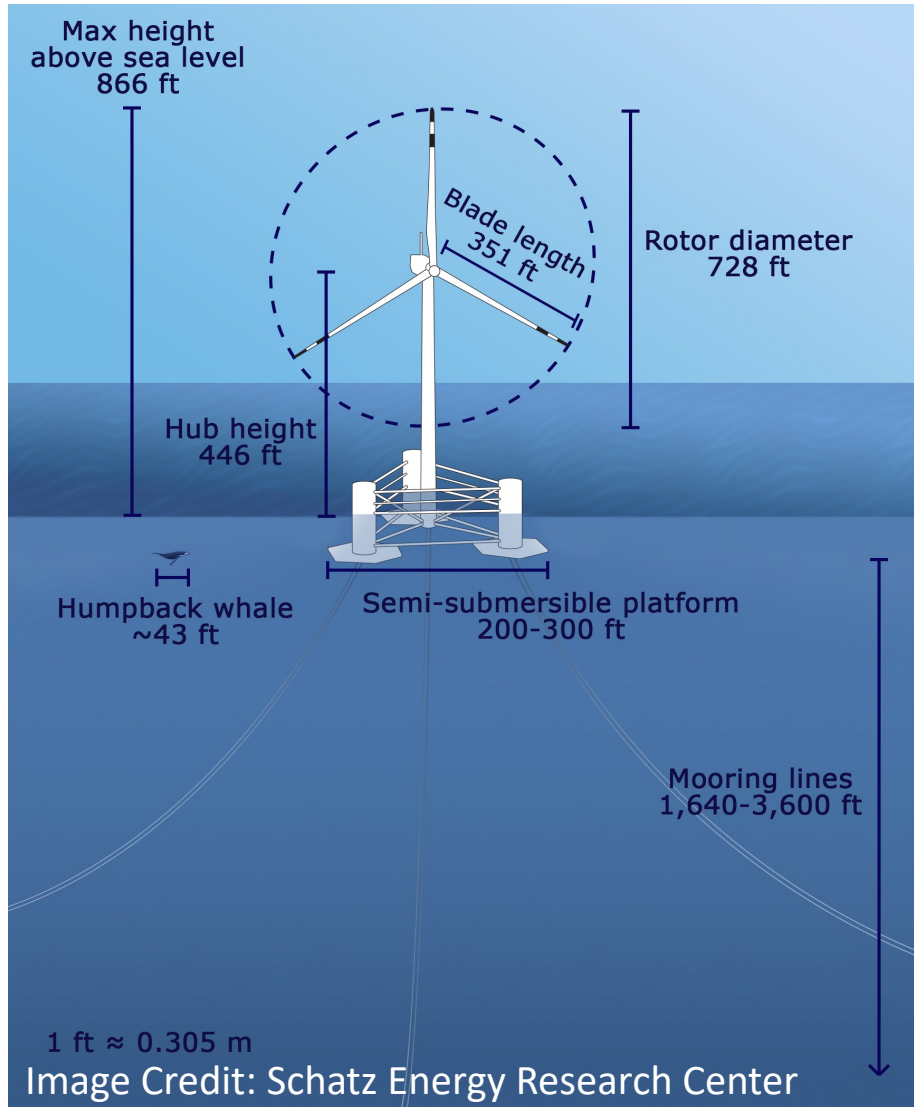
BOEM Jurisdiction

Territorial Sea Boundary
(3 nautical miles)

State & Local Government
Jurisdiction



Offshore Wind Energy Technologies



Renewable Energy Program by the Numbers



Competitive Lease Sales Completed:

10

Active Commercial Offshore Leases Issued:

27

Active Research Offshore Leases Issued:

2

Site Assessment Plans (SAPs) Approved:

14

General Activities Plans Approved:

1

Construction and Operations Plans (COPs):

- Approved Since 2021
- NEPA Process Underway
- Other COPs Submitted
- Anticipated Within Next 12 Months

2

10

5

2

Guidance:

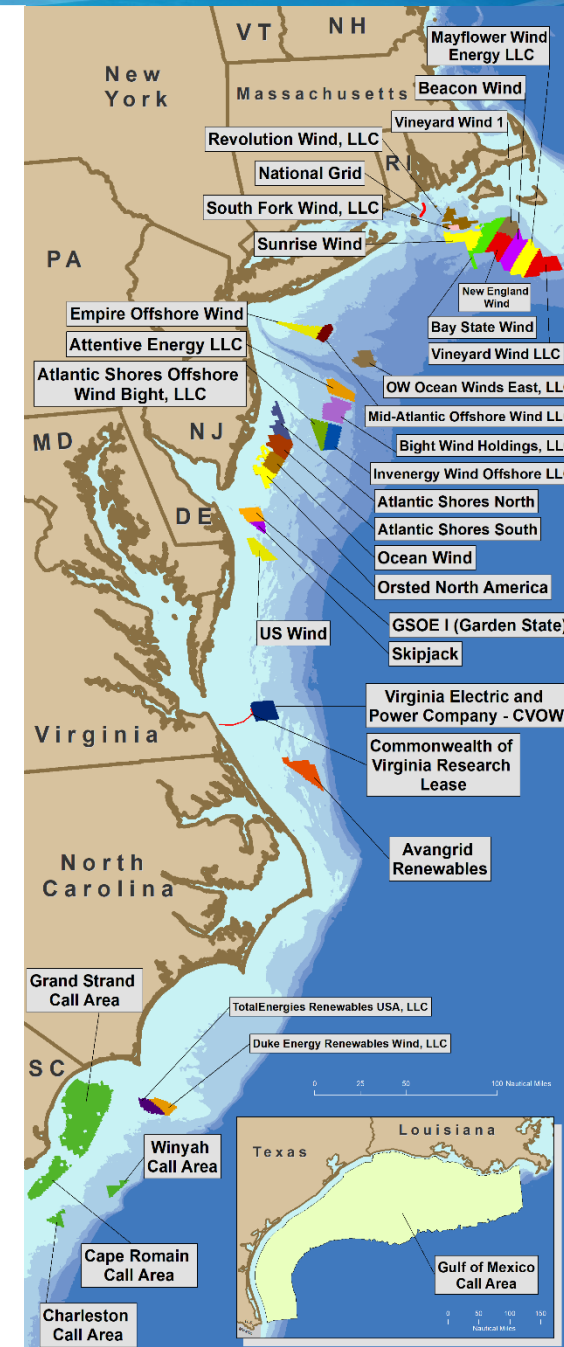
11

Leasing Under Consideration:

5

Steel in the Federal Waters:

2020



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



Coos Bay Call Area

Brookings Call Area

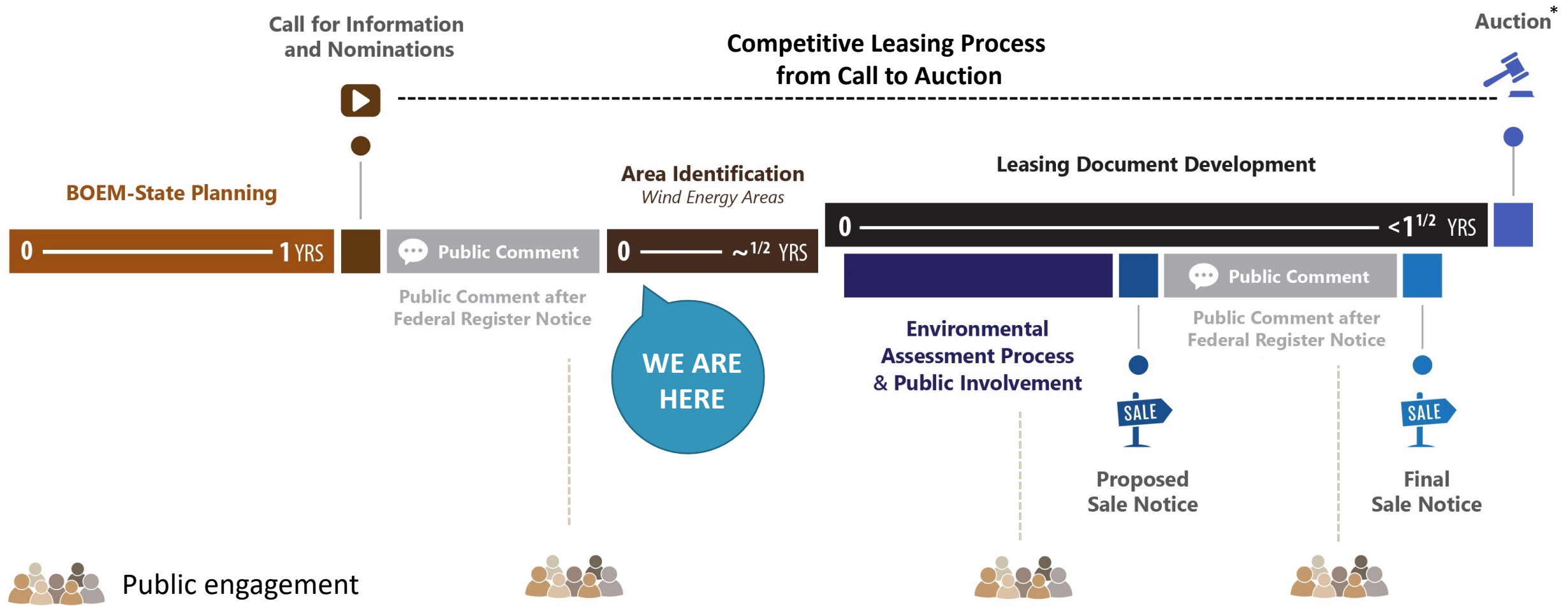
Call Area	Approx. Offshore Wind Energy Capacity	Oregon Call Areas		
	Gigawatts	Acres	Square miles	Square kilometers
Coos Bay	10.6	872,854	1,364	3,532
Brookings	3.5	286,444	448	1,159
Total	14.1	1,159,298	1,811	4,692

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**



Oregon Planning Prior to a Lease Auction



*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.

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