



BOEM Oregon OCS Renewable Energy Task Force Meeting

Intergovernmental Meeting

Portland, Oregon
September 24, 2012

Jean Thurston

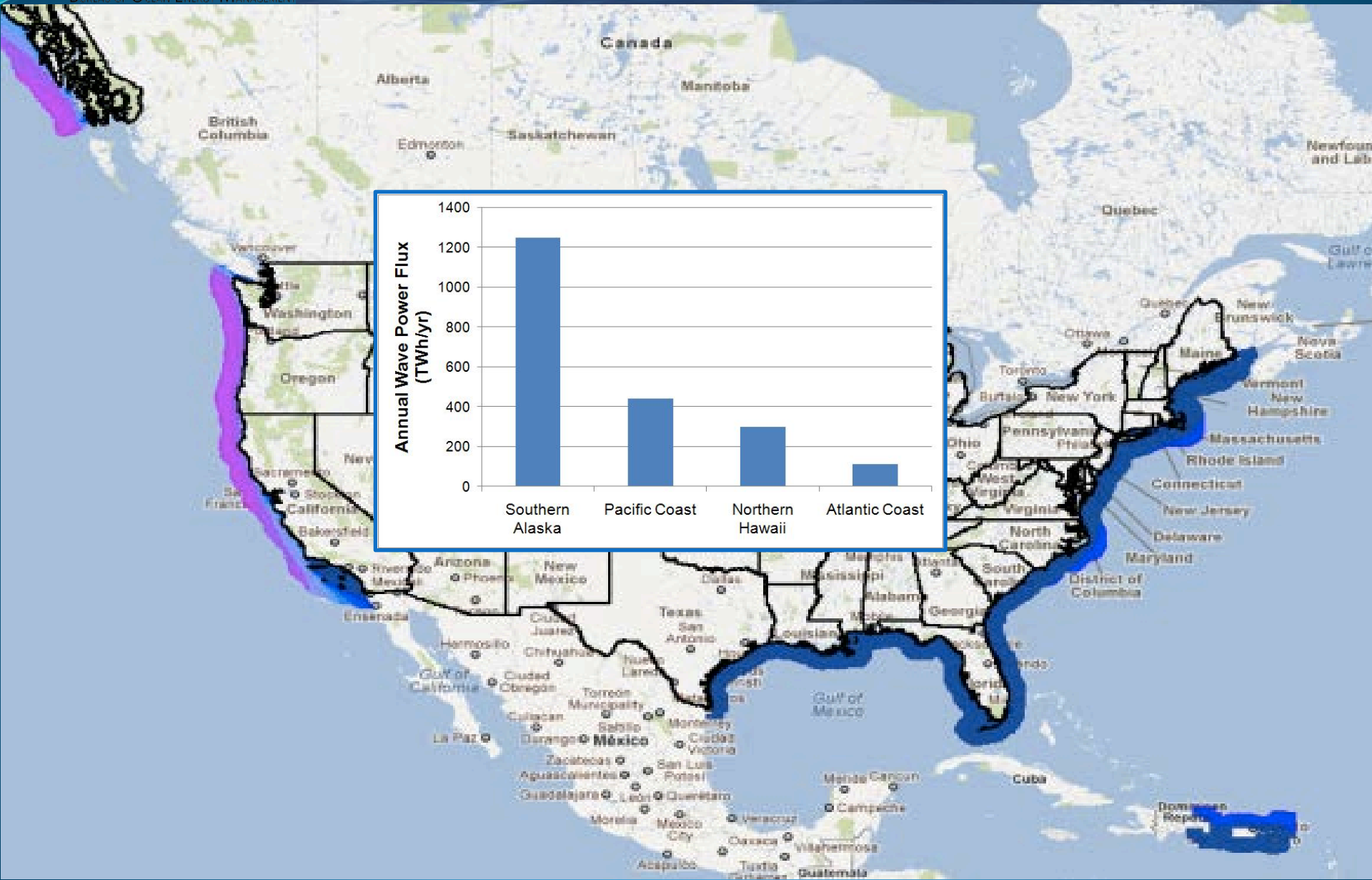
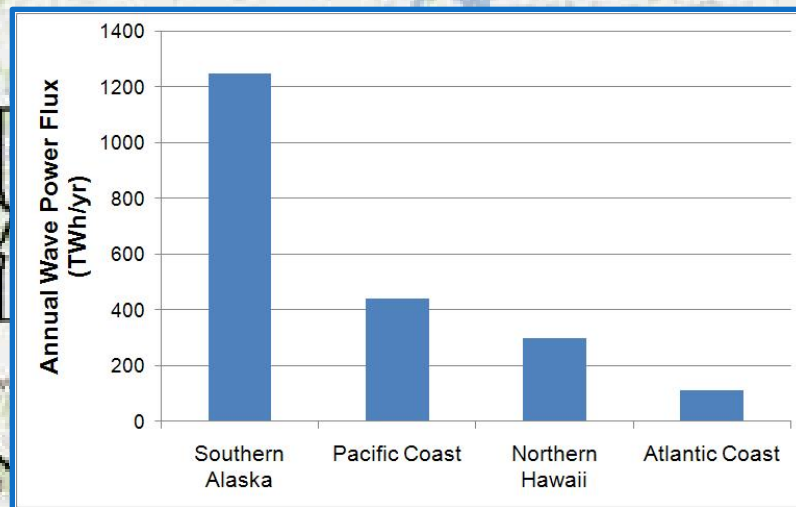
Oregon OCS Renewable Energy Task Force Coordinator
Bureau of Ocean Energy Management



Today's Goal:
**To discuss a path forward for
identifying suitable areas for potential
offshore renewable energy
development on the OCS**

- Affected State, local, & tribal governments and Federal agencies participate
- Forum to:
 - **Educate** each other about permitting and statutory responsibilities, and stakeholders' issues
 - **Exchange data** about biological and physical resources, uses, and priorities
 - **Continue dialogue** about renewable energy activities throughout the entire planning and leasing process
- BOEM considers task force input in our renewable energy leasing decisions

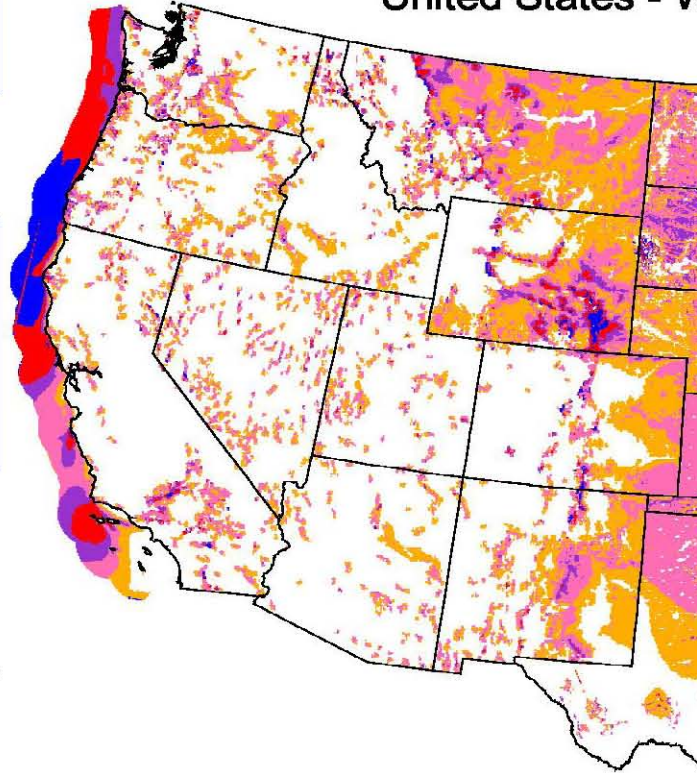
Wave Power in U.S. by region (EPRI, 2005)



U.S. Wind Speed Data

Substantial Offshore Resources Located Near Coastal Areas

United States - Wind

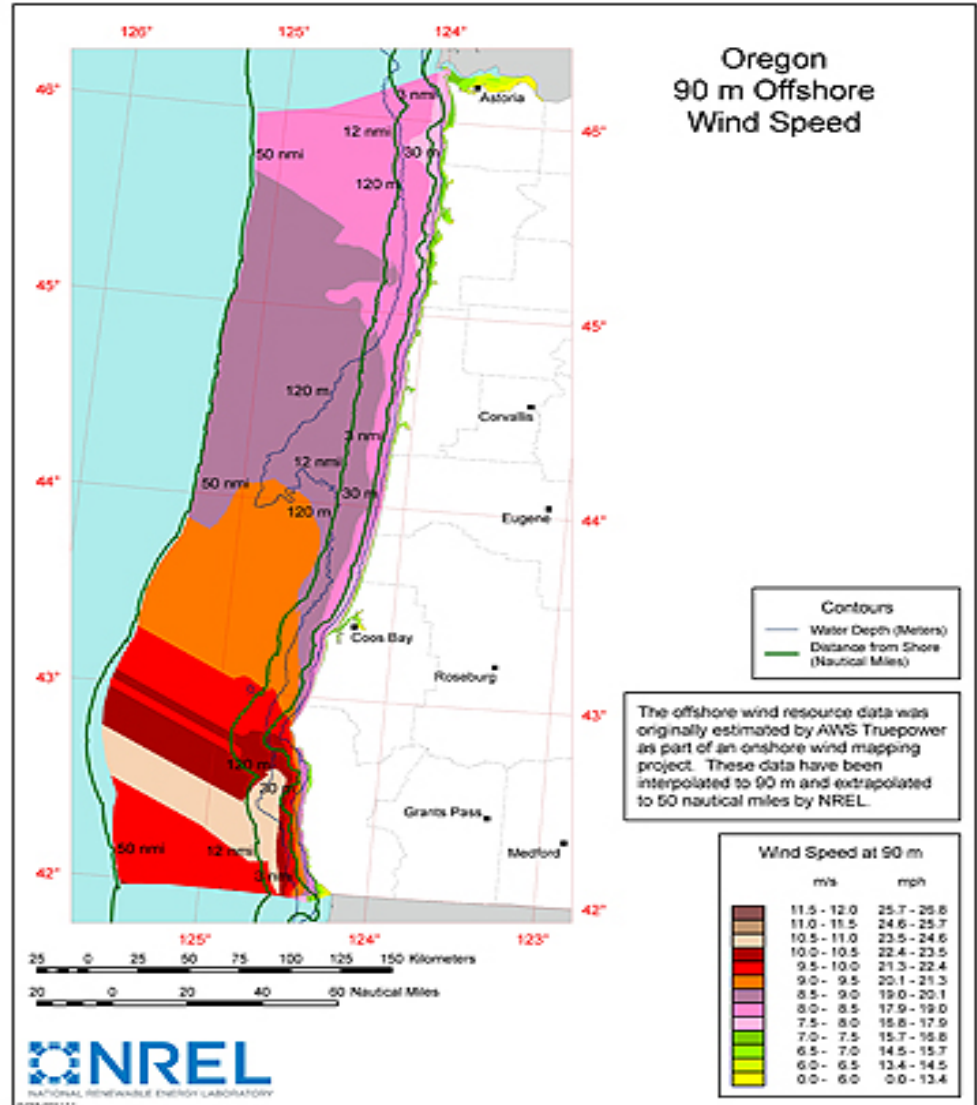


Wind Power Classification

Wind Power Class	Resource Potential	Wind Power Density at 50 m W/m^2	Wind Speed ^a at 50 m m/s	Wind Speed ^a at 50 m mph
3	Fair	300 - 400	6.4 - 7.0	14.3 - 15.7
4	Good	400 - 500	7.0 - 7.5	15.7 - 16.8
5	Excellent	500 - 600	7.5 - 8.0	16.8 - 17.9
6	Outstanding	600 - 800	8.0 - 8.8	17.9 - 19.7
7	Superb	800 - 1600	8.8 - 11.1	19.7 - 24.8

^a Wind speeds are based on a Weibull k value of 2.0

Oregon
90 m Offshore
Wind Speed



Planning and Analysis



Leasing

Site Assessment

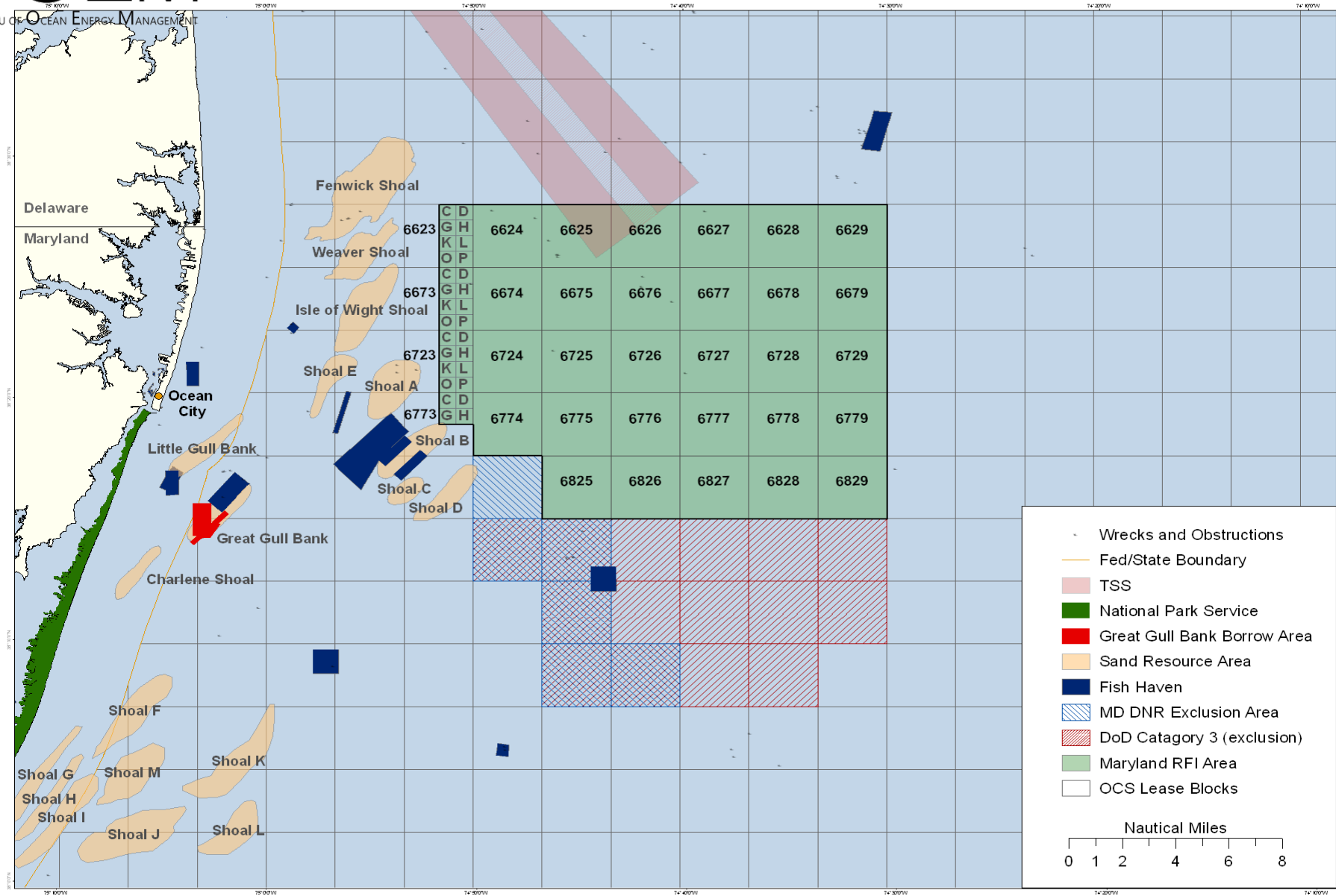
Commercial Development

INTERGOVERNMENTAL TASK FORCE

PUBLIC & INDUSTRY

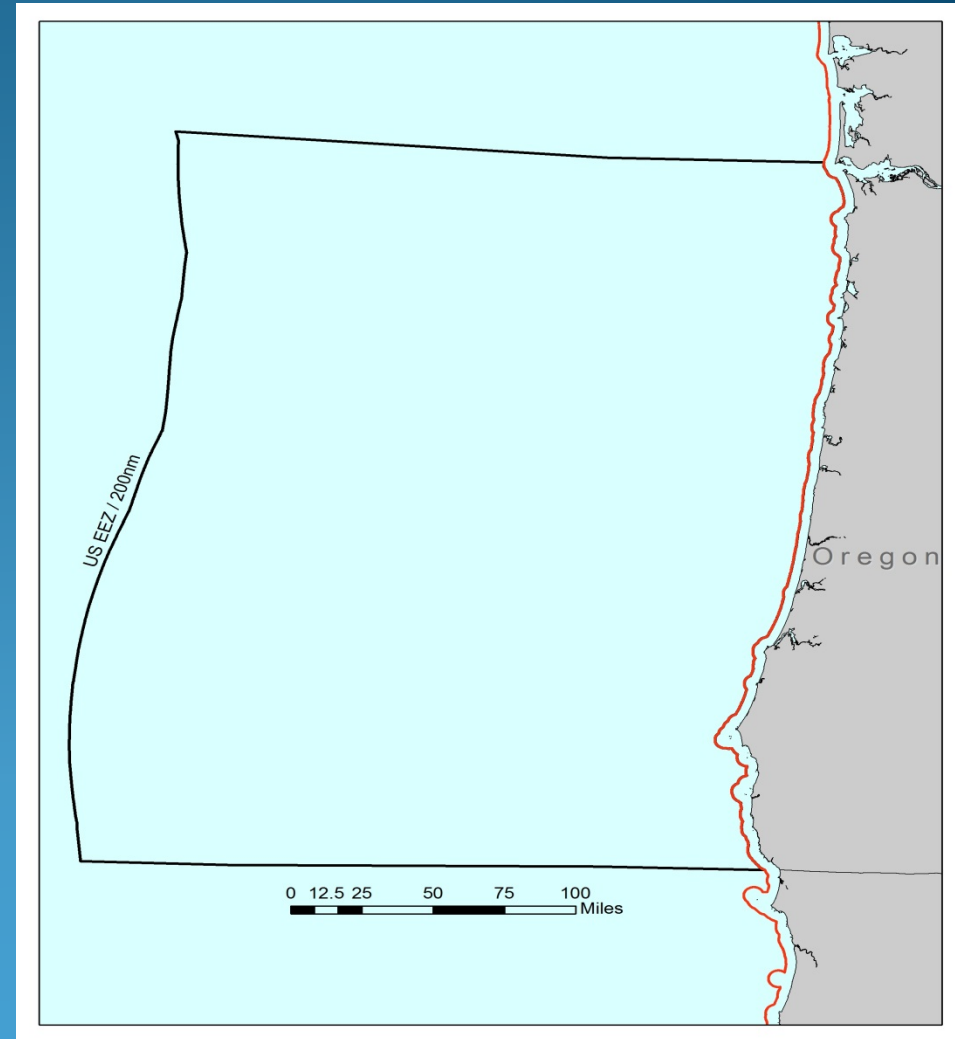
SCIENTISTS & EXPERTS

Maryland RFI as of July 2010



Where do we start?

- Federal waters from 3 – 200 nm offshore the coast
- Development interest will likely occur initially close to shore for grid access and lower costs
- Far offshore is more complex, challenging environment
- A potential area should be large enough for balancing multiple uses
 - If area is too small, options could be limited
 - Area too large it may be difficult to gather data and focus efforts



'Oregon Ocean Stewardship Area'

- Incorporated into Oregon Statewide Planning Goal 19 in 2000
- Area identified by the Oregon Coastal Management Program where natural phenomena and human uses can affect coastal uses
- Roughly 100 – 3,000 m depth and average 30 nm offshore
- Appears to be a reasonable large enough to balance existing use with future use
- Manageable in size to focus planning efforts



TASK FORCE

- Provide coordination and input to BOEM on publication of notices in the *Federal Register*
- Cooperate to reduce multiple-use conflicts and identify information gaps and needs
- State, local, federal and tribal input throughout the planning process

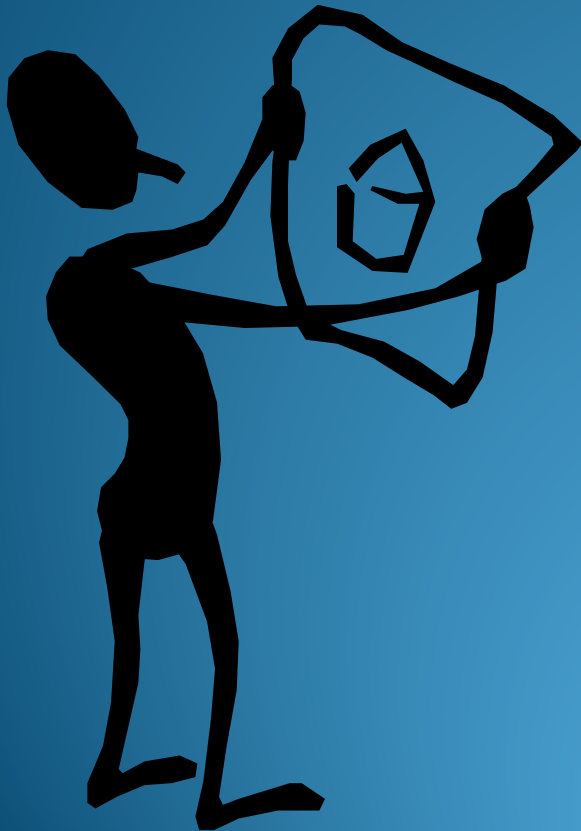
SCIENTISTS & EXPERTS

- Oregon Marine Renewable Energy Environmental Science Conference in late November 2012
- BOEM-NOAA Pacific Regional Ocean Uses Atlas
- Identify new research needs and opportunities
- Leverage efforts of the Oregon Territorial Sea Plan

PUBLIC & INDUSTRY

- Participate in scoping meetings for environmental documents
- Stakeholder outreach meetings throughout the planning process
- Respond to Request for Information on State of the Offshore Renewable Energy Industry notice

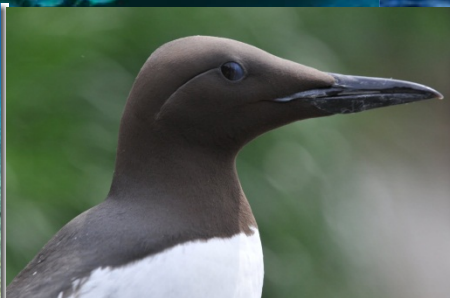
‘Request for Information on the State of Offshore Renewable Energy Industry’



- Planning tool BOEM can use to gather information to evaluate state of offshore renewable energy industry
- Public Notice published in the Federal Register for a public comment period
- BOEM would seek input from the Oregon Renewable Energy Task Force on contents of the notice and review of a draft prior to publication in the *Federal Register*
- Included in BOEM’s regulatory framework (30 CFR 585.116)

- Identifies areas of potential conflict early
- Gathers information from :
 - Public
 - State, local and federal agencies
 - Universities
 - Developers/ Industry
 - Affected stakeholders
- Evaluates the state of the offshore renewable energy industry of a particular area
- Request for Information may relate to identification of technical, environmental, regulatory or economic matters that promote or detract from development of renewable energy on the OCS
- Can be tailored to a specific type(s) of renewable energy

Key Stakeholder Issues



Questions:

- Is the Oregon Ocean Stewardship Area an appropriate starting point for BOEM to start focusing efforts for planning offshore renewable energy?
- What are the Task Force's thoughts on BOEM publishing a Request for Information in the *Federal Register* within the next 6 months?

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