



# Overview of the BOEM Renewable Energy Program and Current Activities

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# Outer Continental Shelf (OCS) Energy

**OCS Lands Act:** "... vital national resource ... expeditious and orderly development ... environmental safeguards"

**Energy Policy Act of 2005:** "... energy from sources other than oil and gas ..."

Alaska OCS



Pacific OCS



Gulf of Mexico OCS



Atlantic OCS



# Administration Goals

- President Biden issued **Executive Order 14008** that called for the Interior Department to identify steps to increase responsible renewable energy development on public lands and waters
- First-ever **national offshore wind goal** to deploy **30 gigawatts of offshore wind by 2030**, which would create nearly **80,000 jobs** .



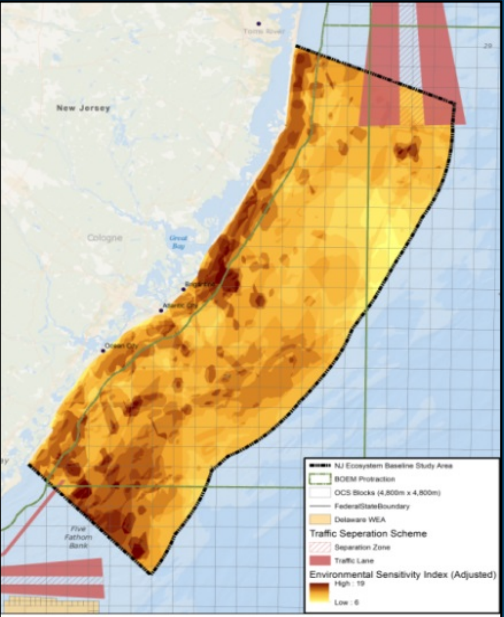






# OCS Renewable Energy Authorization Process

Planning & Analysis



Leasing



Site Assessment



Construction & Operations



# Intergovernmental Coordination



## Planning and Leasing

- Intergovernmental Task Forces
- State and regional, on both coasts
- Federal, state, local and tribal
- Information sharing

## Plan-Specific

- Cooperating under National Environmental Policy Act (NEPA)
- Mandated consultations
- Informal coordination
- FAST-41

## Programmatic

- Federal Offshore Wind Permitting Subgroup
- Joint issue-focused workshops
- Process agreements
- State-led working groups
- Guideline development
- Joint studies & research

## Government-to-Government Consultation Examples

- **Extensive tribal consultation under National Historic Preservation Act (NHPA) compliance:**  
In all stages of NHPA compliance and throughout NEPA process  
Tribes invited to NEPA scoping and notified about stages of EIS





# Intergovernmental & Stakeholder Engagement

BOEM regularly **coordinates, communicates, and collaborates** with intergovernmental entities including federal agencies, states, tribes, Fishery Management Councils, including:

- **Regional Ocean Partnerships** (i.e., NROC = Northeast Regional Ocean Council; and MACO = Mid-Atlantic Committee on the Ocean)
- **Offshore Wind Permitting Subgroup** (monthly federal agency webinars)
- **Intergovernmental state and regional task forces**
  - Affected state, local and tribal governments and federal agencies
  - **Does not replace consultation under existing federal laws and regulations**
  - Public involvement
  - *Regional collaboration is key*



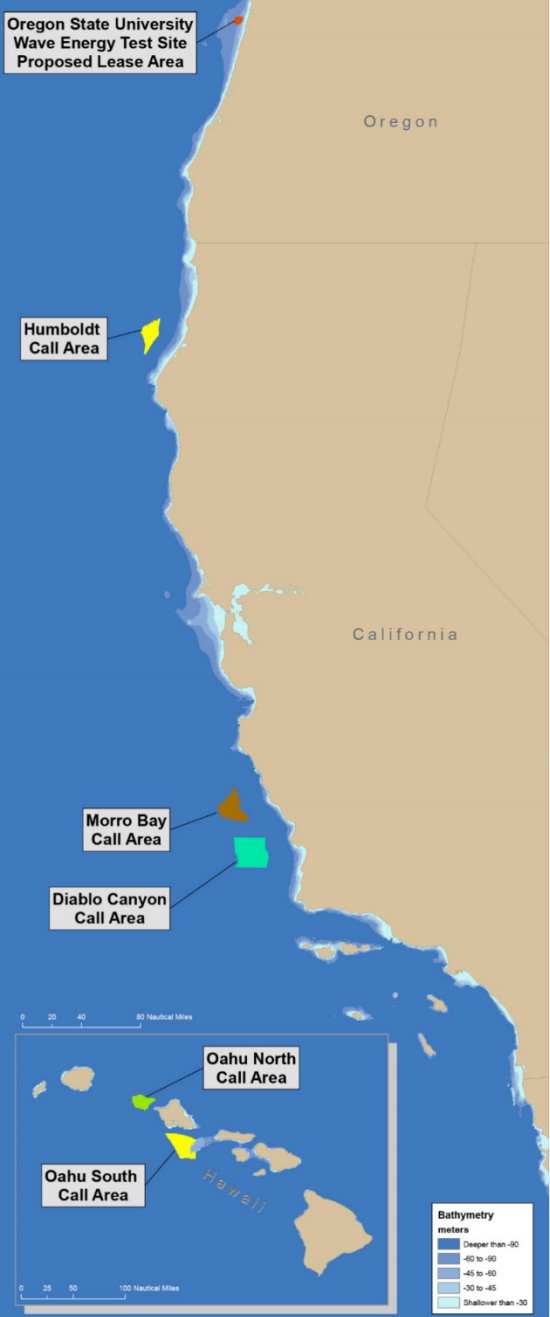
# Atlantic OCS Renewable Energy: State Leadership



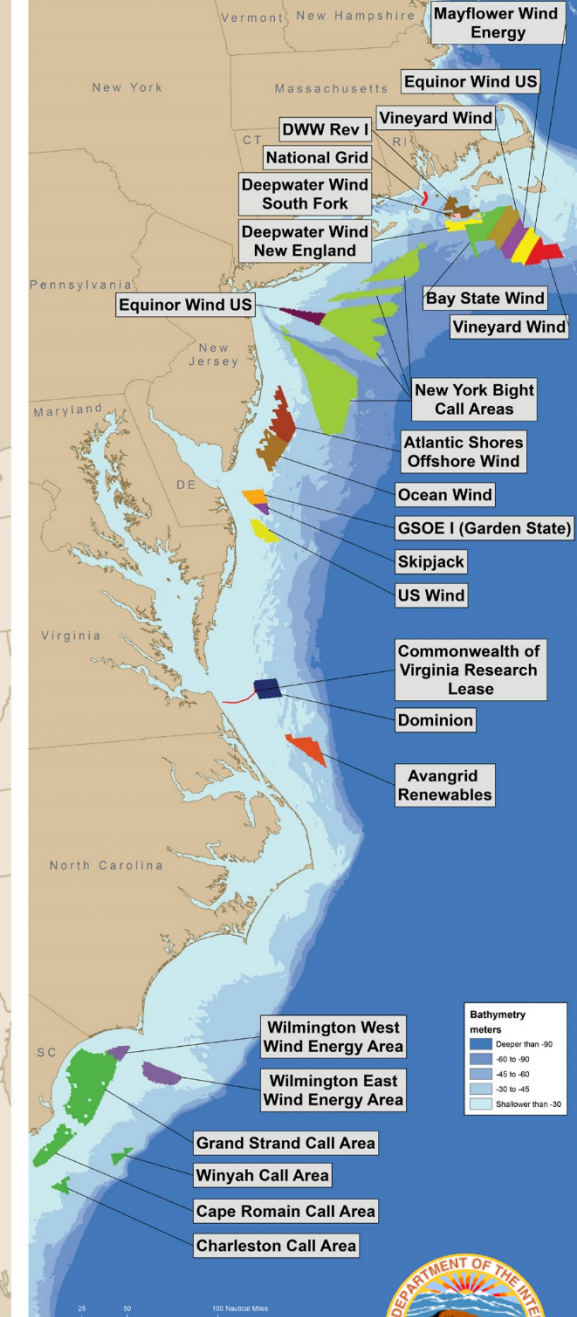
	Renewable Goals *	Offshore Wind Goals (MW)	Offshore Wind: "Offtake" Awarded (MW) + Scheduled (MW)	
Massachusetts	35% by 2030	5,600	1,600	+ 1,600
Rhode Island	100% by 2030	unspecified	430	+ 600
Connecticut	48% by 2030	2,300	1,108	+ 0
New York	70% by 2030	9,000	4,316	+ 0
New Jersey	50% by 2030	7,500	1,100	+ 6,400
Maryland	50% by 2030	1,568	368	+ 1,200
Virginia	30% by 2030	5,212	2,652**	+ **
<b>TOTAL</b>	--	<b>31,180 MW</b>	<b>21,374 MW</b>	







# Renewable Energy Program by the Numbers



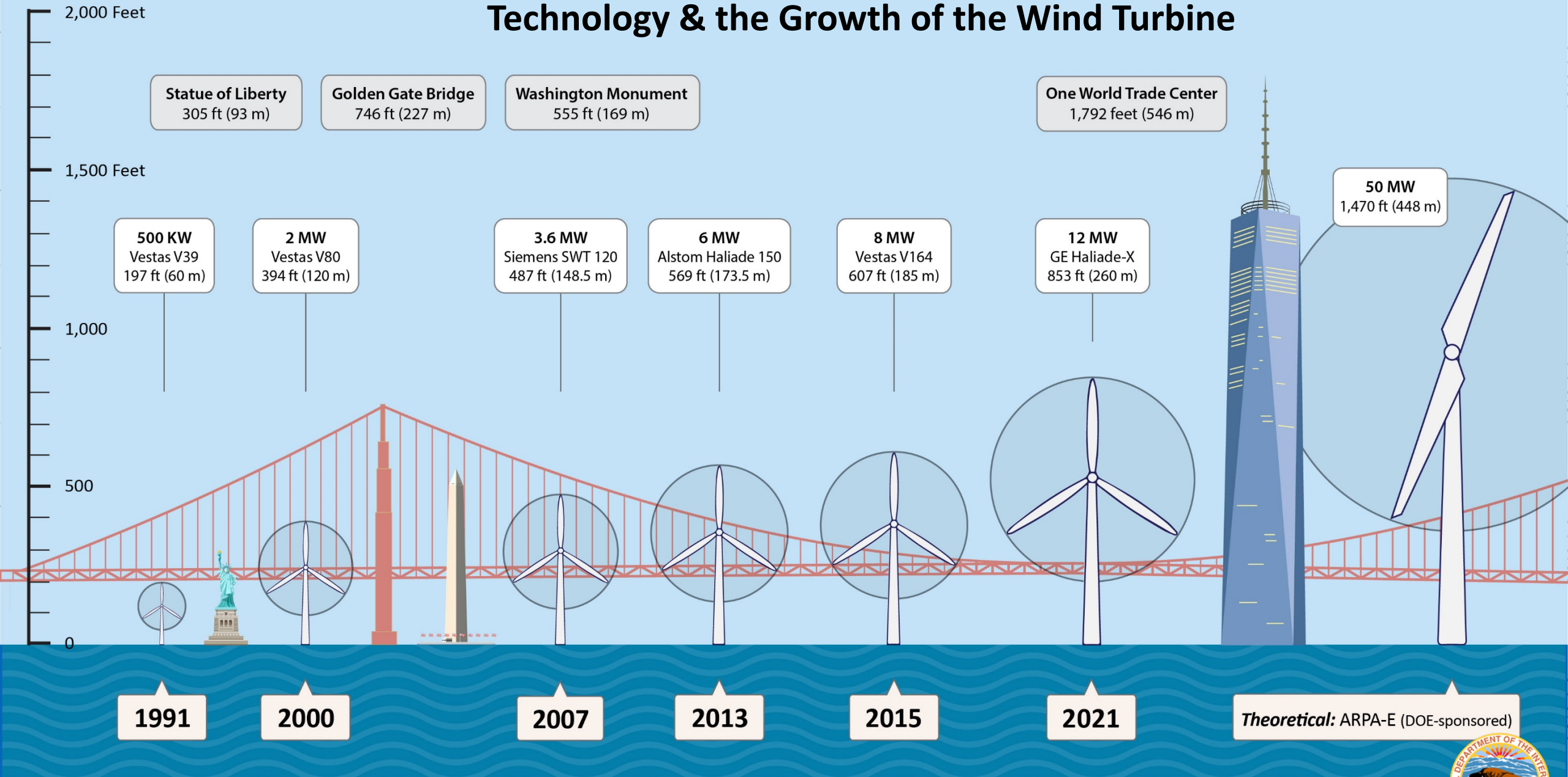
# Issues & Opportunities

- Employment
- Industrial Synergies
- Turbine Size
- Transmission
- Radar
- Wildlife
- Visual Effects
- Navigation
- Commercial and Recreational Fishing

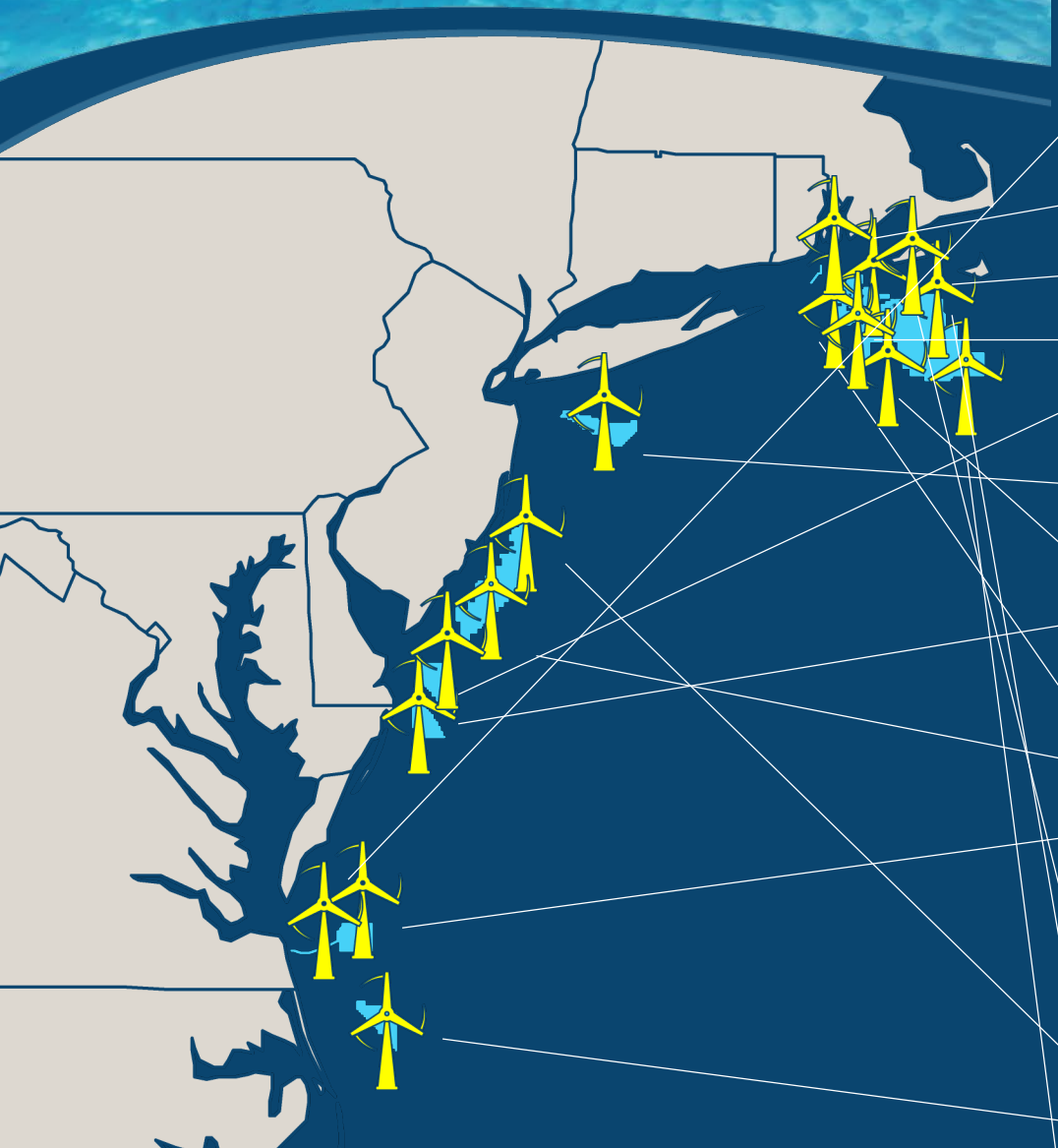




# Technology & the Growth of the Wind Turbine



# Atlantic OCS Renewable Energy: "Projects in the Pipeline"



	Project	Company
2020	Coastal Virginia Offshore Wind Pilot	
	South Fork	
	Vineyard Wind I	
	Revolution Wind	
	Skipjack Windfarm	
	Empire Wind	
	Bay State Wind	
	U.S. Wind	
	Sunrise Wind	
	Ocean Wind	
	Coastal Virginia Offshore Wind Commercial	
	Park City Wind	
	Mayflower Wind	
	Atlantic Shores	
	Kitty Hawk	
2030	OCS-A 0522	



# STEEL IN THE WATER! Coastal Virginia Offshore Wind Project (CVOW)

- Lessee: Virginia DMME
- Operator: Dominion Energy
- Engineering Contractor: Orsted
  - Construction (May/June 2020)
  - Two 6-MW turbines
  - Staging: Halifax, Hampton Roads, Camp Pendleton
  - Commissioning: 2020



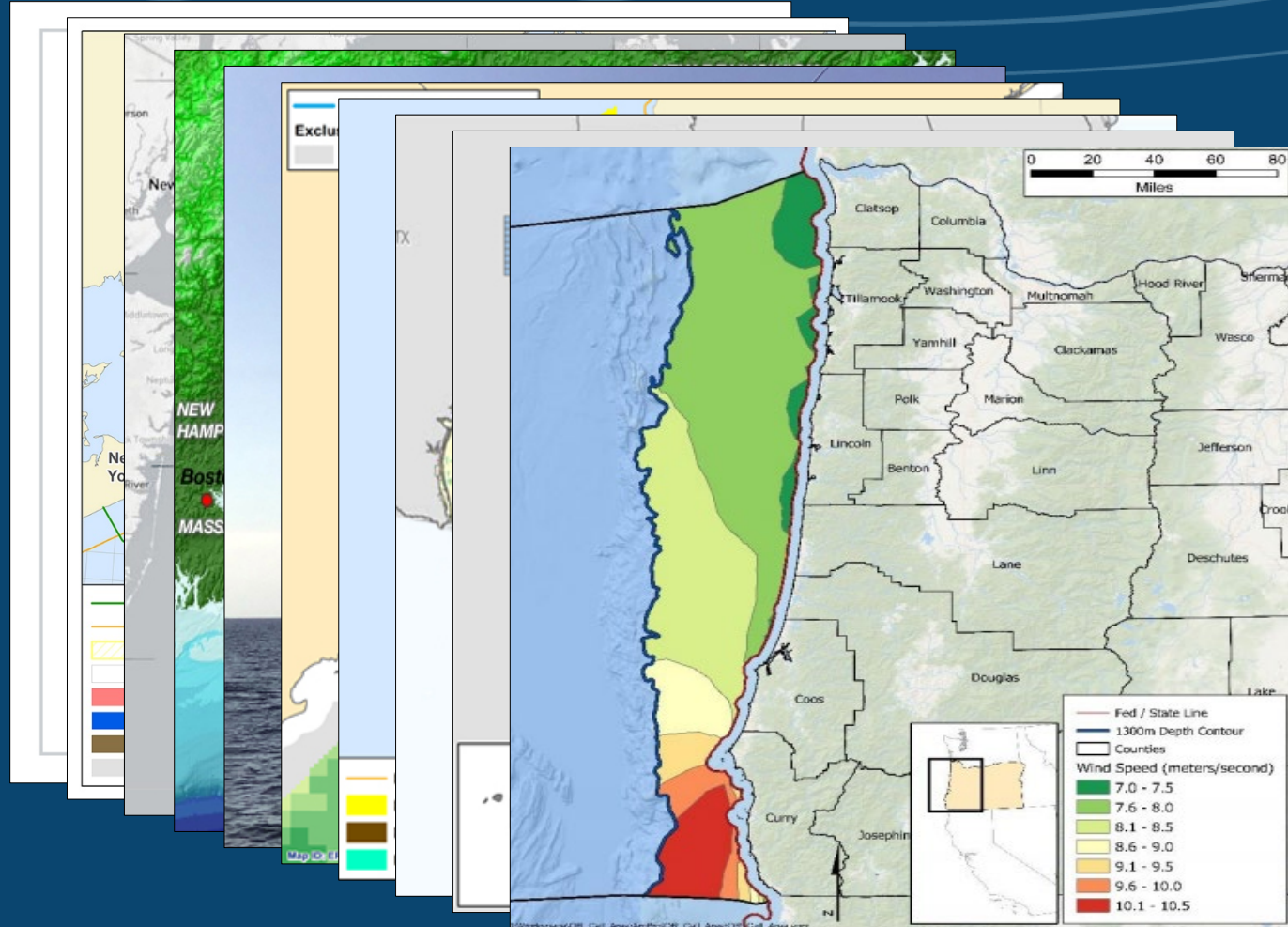
# Vineyard Wind

- The Department of the Interior approved the Vineyard Wind project in **May 2021** — the first large-scale, offshore wind project in the United States
- Prior to construction, Vineyard Wind must submit a **facility design report** and a **fabrication and installation report**
  - *These engineering and technical reports provide specific details for how the facility will be fabricated and installed in accordance with the approved **Construction and Operations Plan***



# U.S. Offshore Renewable Energy: "On the Horizon"

- Vineyard Wind
- South Fork
- New York Bight
- Gulf of Maine
- Virginia
- Carolinas
- California
- Gulf of Mexico
- Hawaii
- Oregon



# BOEM

Bureau of Ocean Energy Management  
U.S. Department of the Interior

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