



Offshore Wind Energy Challenges and Opportunities

Fishery Management Council Coordinating Committee

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Brian Hooker | Office of Renewable Energy Programs



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



Biden Administration Offshore Wind Energy Goals

- **March 29, 2021 the White House issued a “whole-of-government approach” to offshore wind energy development including:**
 - Establishing a Target of Employing Tens of Thousands of Workers to Deploy 30 Gigawatts (30,000 megawatts) of Offshore Wind by 2030 (BOEM).
 - Partnering with Industry on Data-Sharing (NOAA).
 - Studying Offshore Wind Impacts. (NOAA).

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[Administration](#) [Priorities](#) [COVID-19](#) [Briefin](#)

BRIEFING ROOM

FACT SHEET: Biden Administration Jumpstarts Offshore Wind Energy Projects to Create Jobs

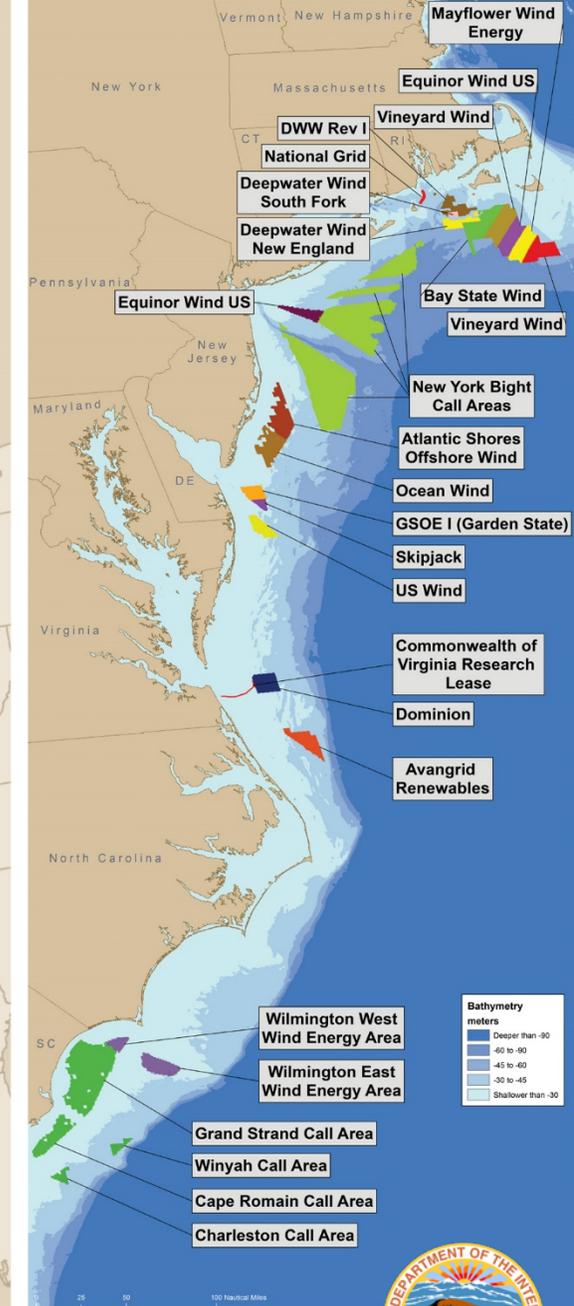
MARCH 29, 2021 • STATEMENTS AND RELEASES

Interior, Energy, Commerce, and Transportation Departments Announce New Leasing, Funding, and Development Goals to Accelerate and Deploy Offshore Wind Energy and Jobs

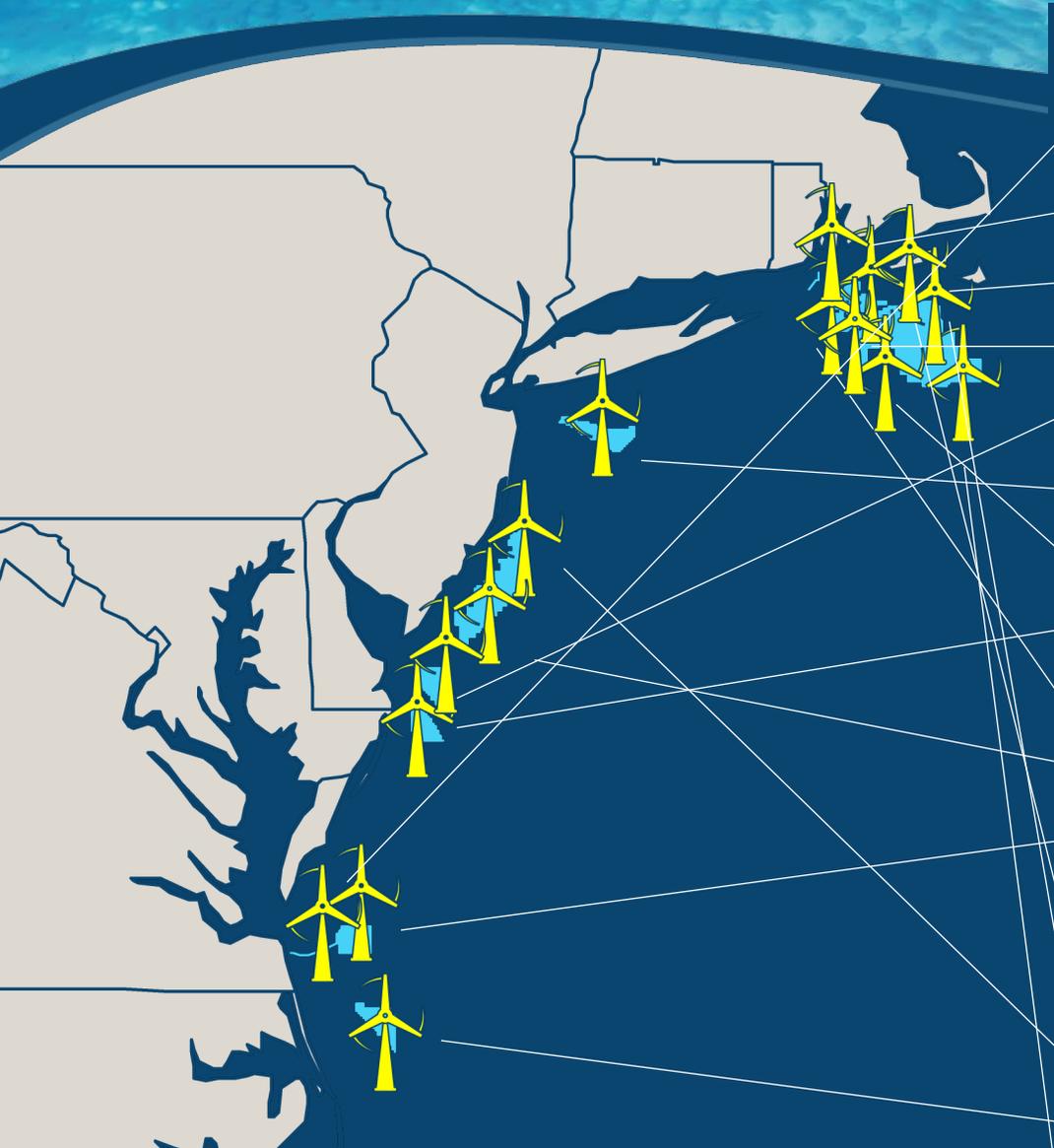




Renewable Energy Program by the Numbers



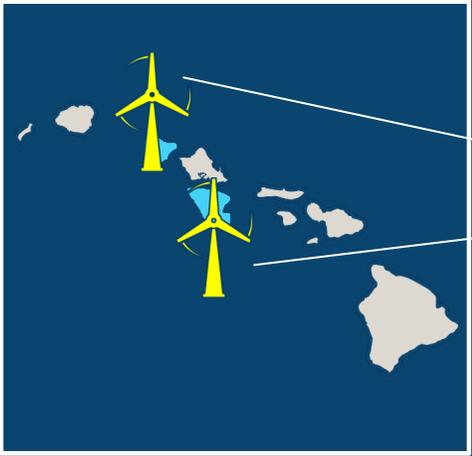
Atlantic OCS Renewable Energy: "Projects in the Pipeline"



	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	

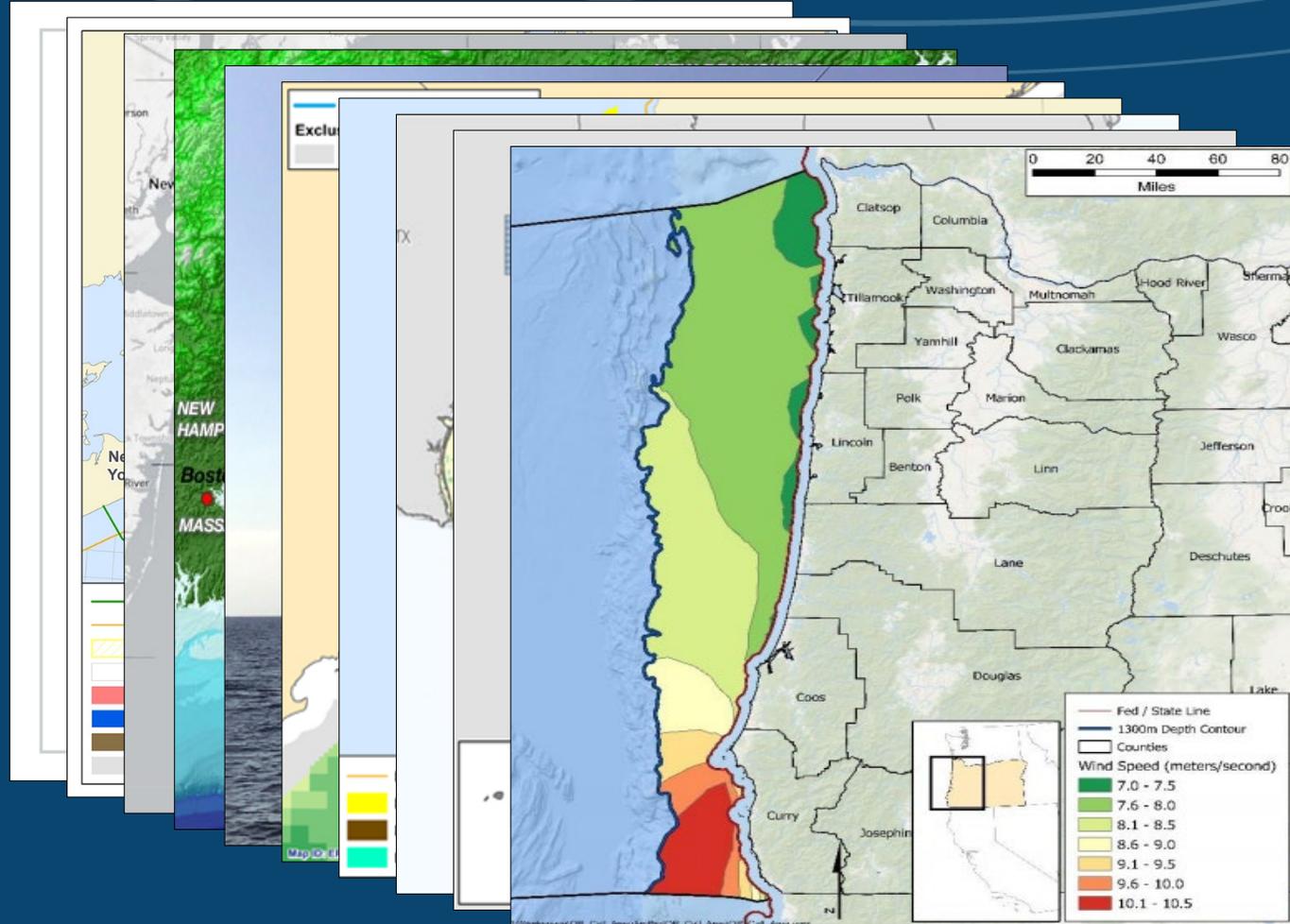
Pacific OCS Renewable Energy

State	Project	Nominations
California	Humboldt Call Area	10
California	Morro Bay Call Area	11
California	Diablo Canyon Call Area	11
Hawaii	Oahu North Call Area	2
Hawaii	Oahu South Call Area	3

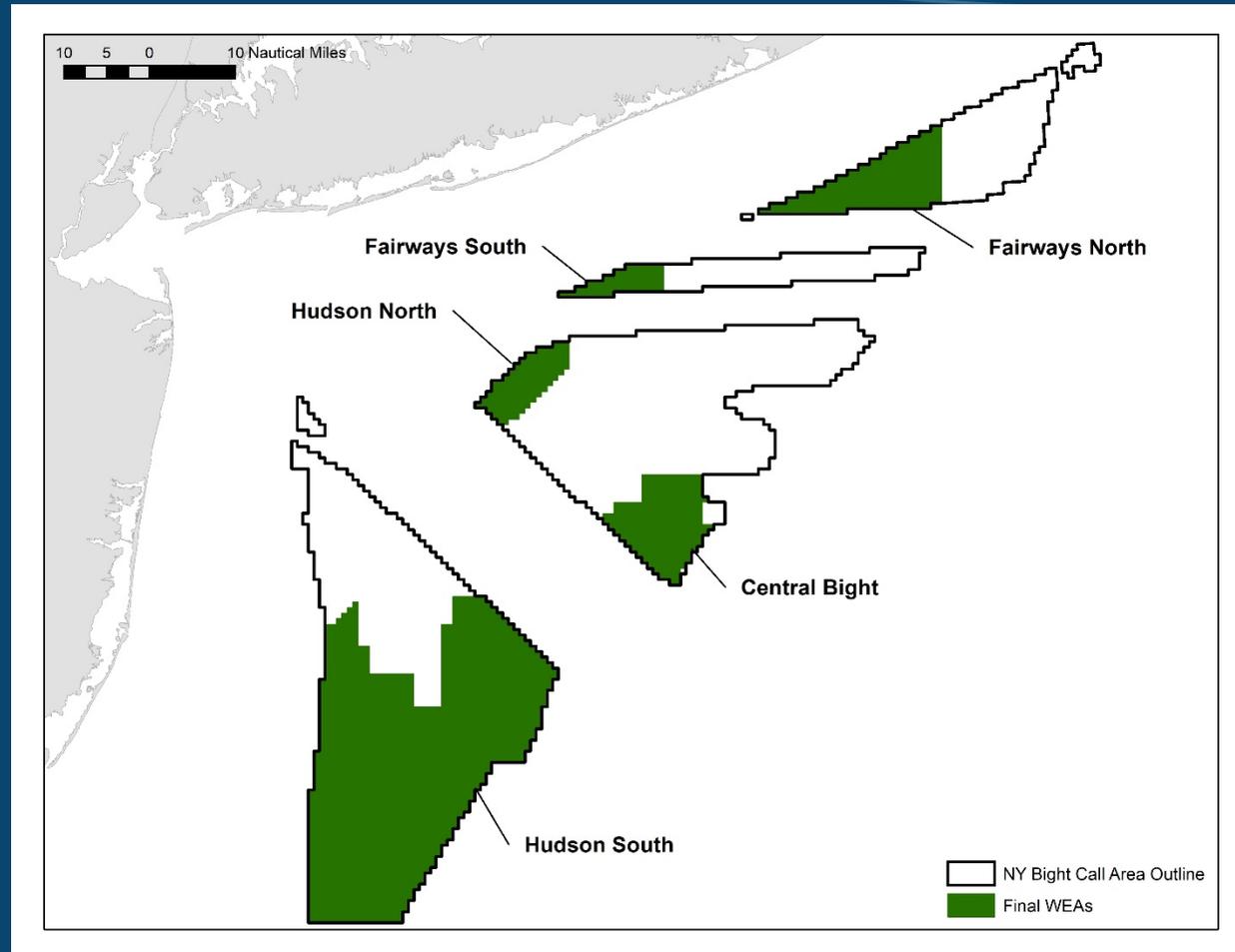


U.S. Offshore Renewable Energy: "On the Horizon"

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

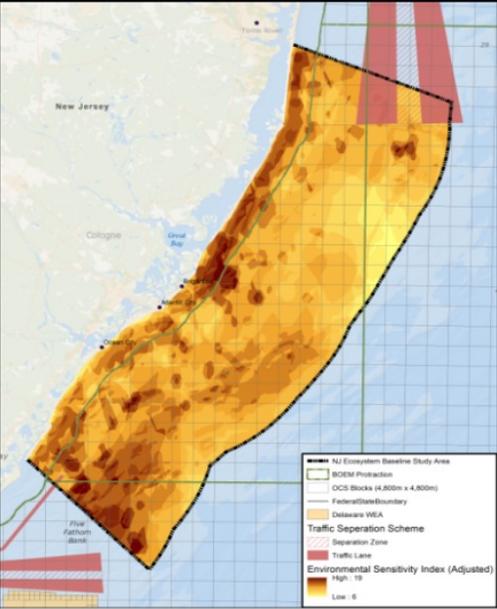


New York Bight Wind Energy Areas

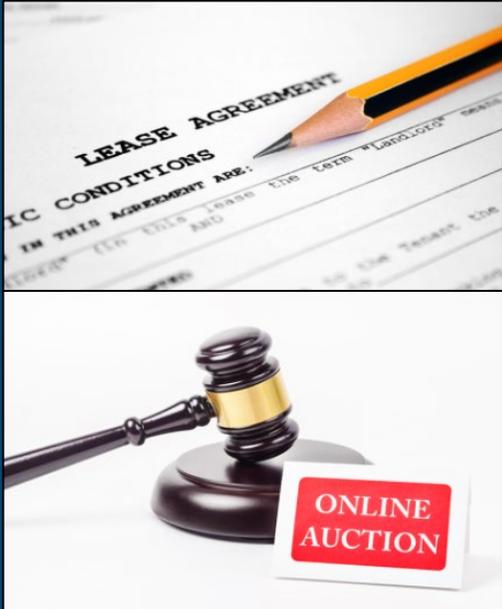


OCS Renewable Energy Authorization Process

Planning & Analysis



Leasing



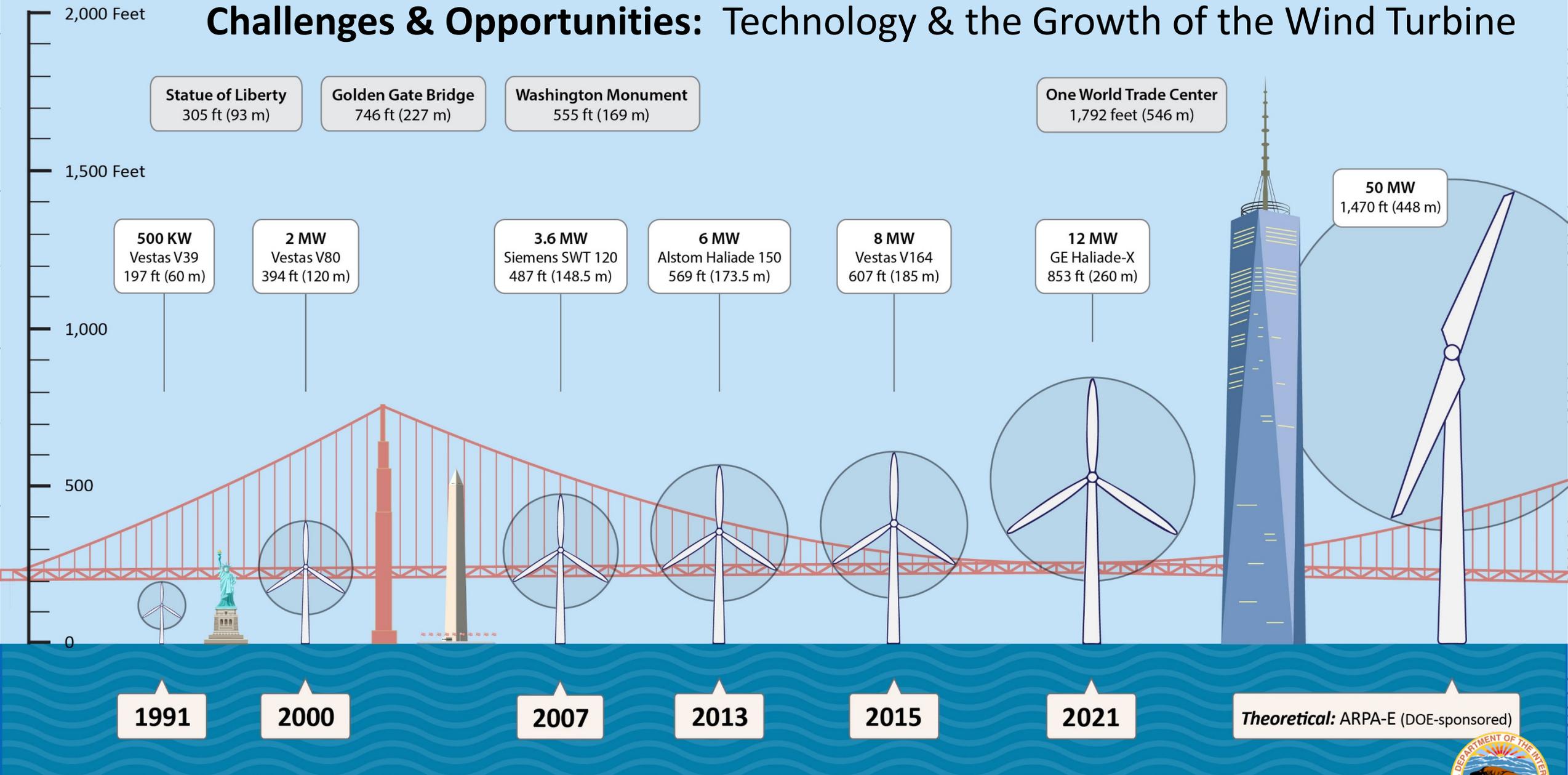
Site Assessment



Construction & Operations



Challenges & Opportunities: Technology & the Growth of the Wind Turbine

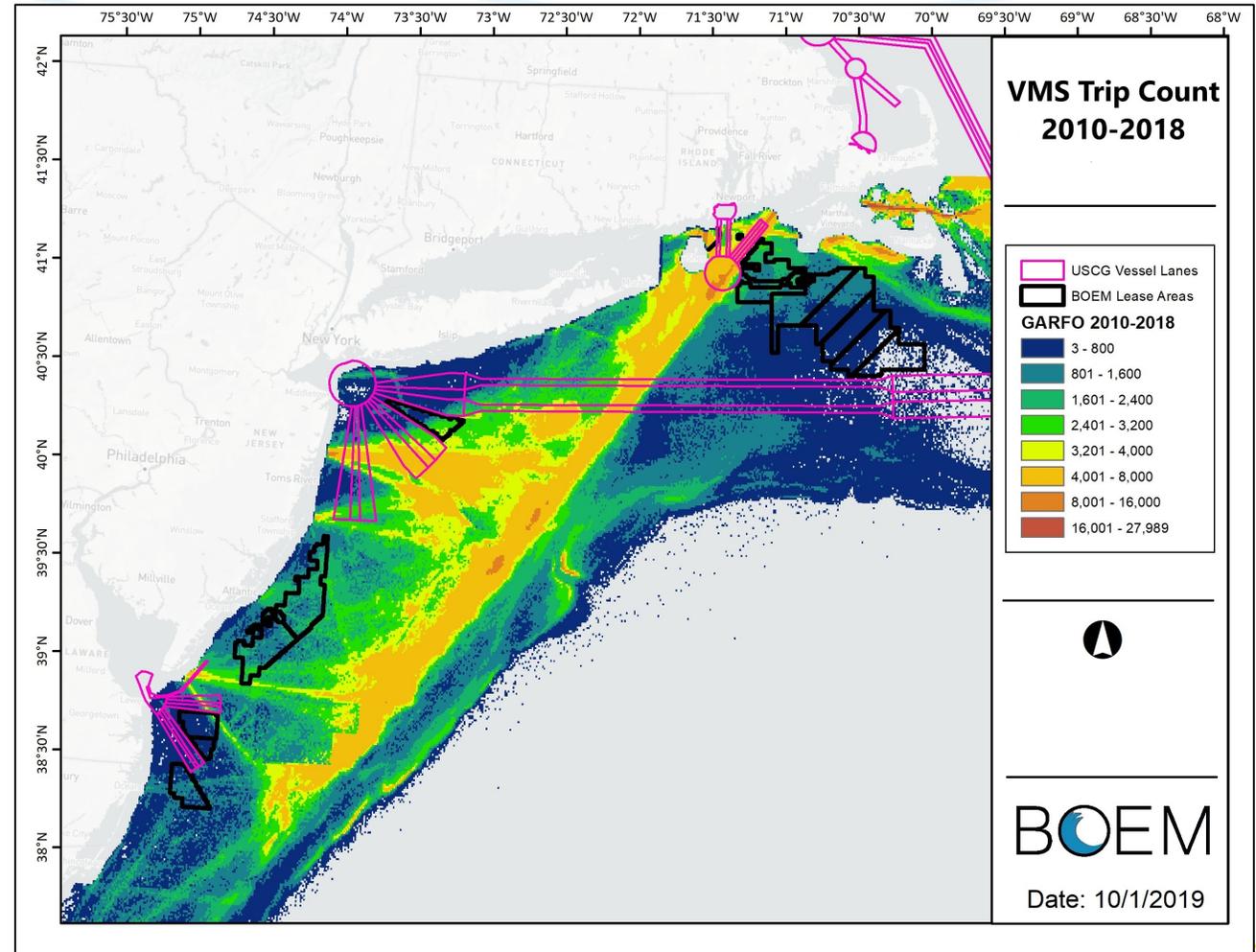


Challenges & Opportunities: Technology & Foundation Types



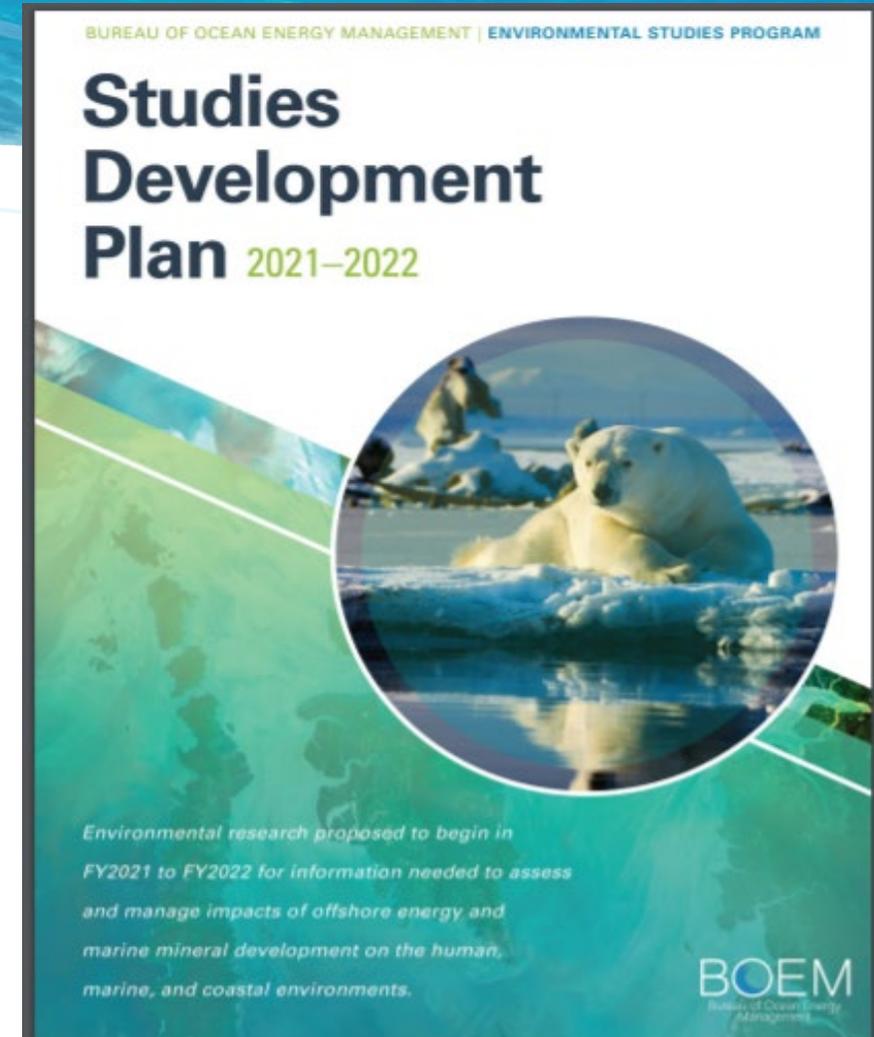
Challenges & Opportunities: Space-Use Conflict

- Challenges regarding the human dimension (space-use conflict) of offshore wind energy and fisheries are prevalent in public comment.
- The Secretary must consider the use of areas as a fishery, as well as other uses, when carrying out the program.



Environmental Studies Program

- BOEM concluded solicitation for 2022 study ideas in January
- Study ideas are reviewed internally and by the Standing Committee on Offshore Science and Assessment (COSA) convened under the National Academy of Sciences
- Results of studies are incorporated into BOEM environmental assessment and decision-making process



Where to Find Reports

- **Main renewable energy landing page (Atlantic and Pacific):**
www.boem.gov/environment/environmental-studies/renewable-energy-research
- **BOEM Environmental Studies Search:**
<https://marinecadastre.gov/espis/#/>

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