



U.S. Outer Continental Shelf Renewable Energy

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Mid-Atlantic Fisheries Management Council SSC

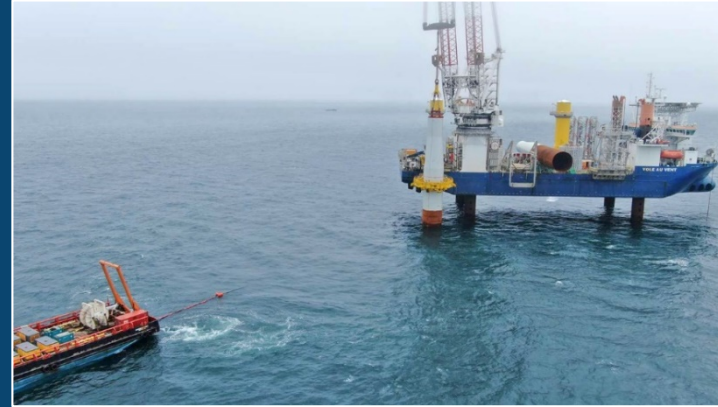
September 9, 2020



FIRST MID-ATLANTIC PROJECT: Coastal Virginia Offshore Wind Project (CVOW)

- Offshore Virginia
- Construction (May/June)
- Two 6-MW turbines
- Staging: Halifax, Hampton Roads, Camp Pendleton
- Onshore support
- Commissioning: late August
- Installation video:

<https://vimeo.com/432484731>



Recipe for Success: Market Demand



Atlantic OCS Renewable Energy: State Leadership



Atlantic OCS Renewable Energy: State Leadership



	Renewable Goals	Offshore Wind Goals (MW)	Offshore Wind: "Offtake" Awarded (MW) + Scheduled (MW)		
Massachusetts	35% by 2030	3,200	1,600	+	0
Rhode Island	100% by 2030	unspecified	430	+	0
Connecticut	48% by 2030	2,300	1,108	+	0
New York	70% by 2030	9,000	1,826	+	2,500
New Jersey	50% by 2030	7,500	1,100	+	2,400
Maryland	50% by 2030	2,000	368	+	1,200
Virginia	30% by 2030	5,212	12	+	0
TOTAL	--	28,612 MW	12,544 MW		



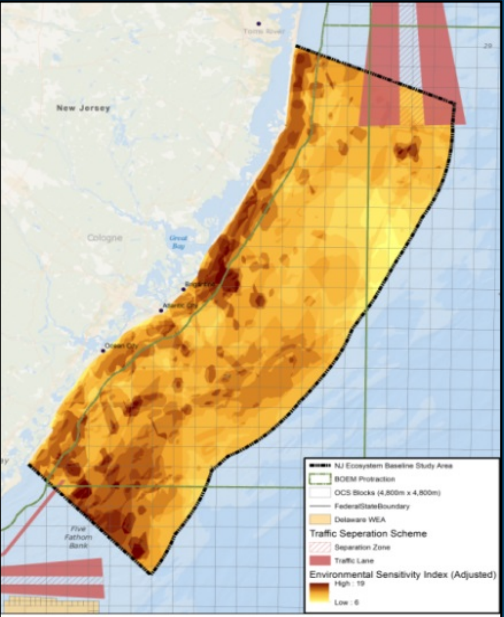
DOE Offshore Wind Market Reports

- Long-term outlook for offshore wind is summarized in DOE market reports.
- DOE report available here:
<https://www.energy.gov/eere/wind/wind-energy-technologies-office>

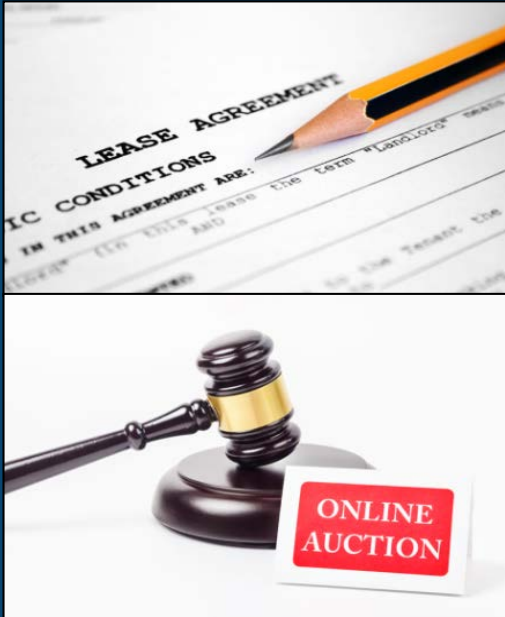


OCS Renewable Energy Authorization Process

Planning & Analysis



Leasing



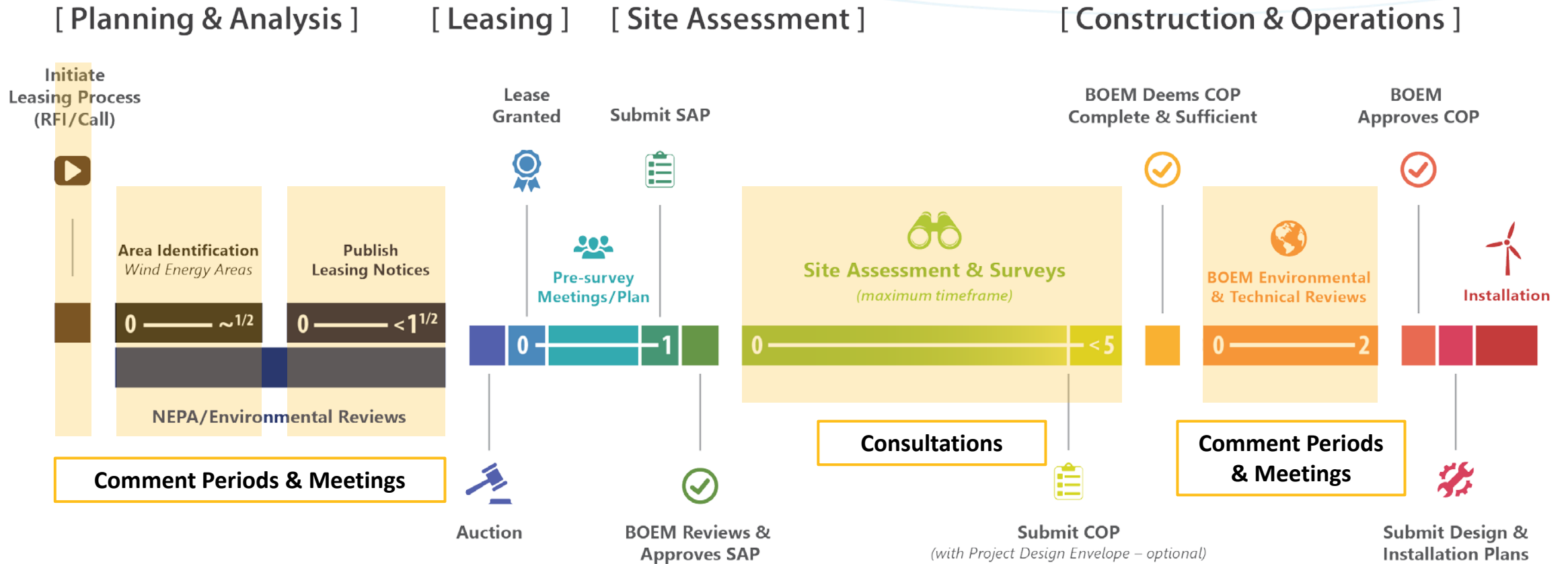
Site Assessment



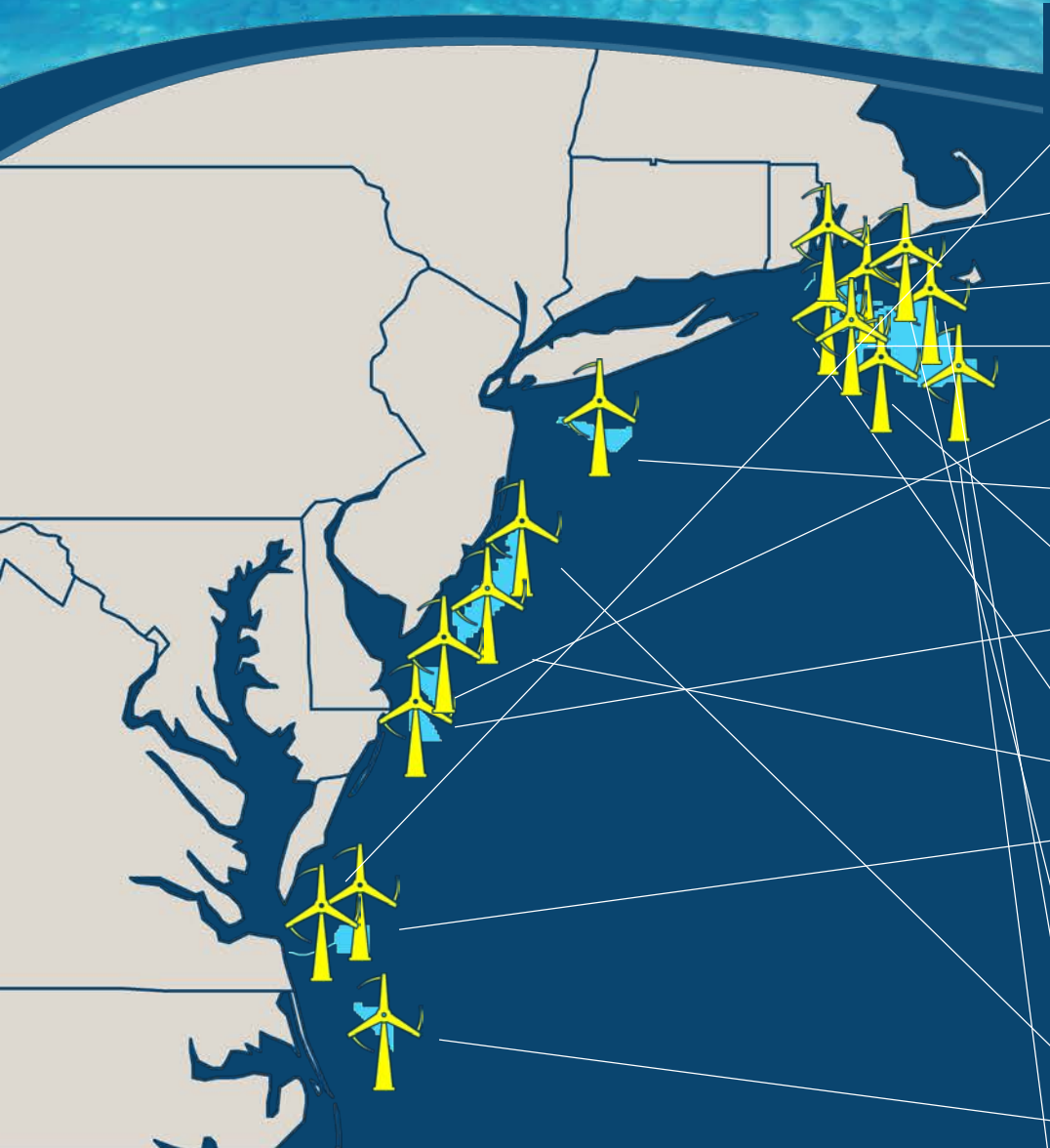
Construction & Operations



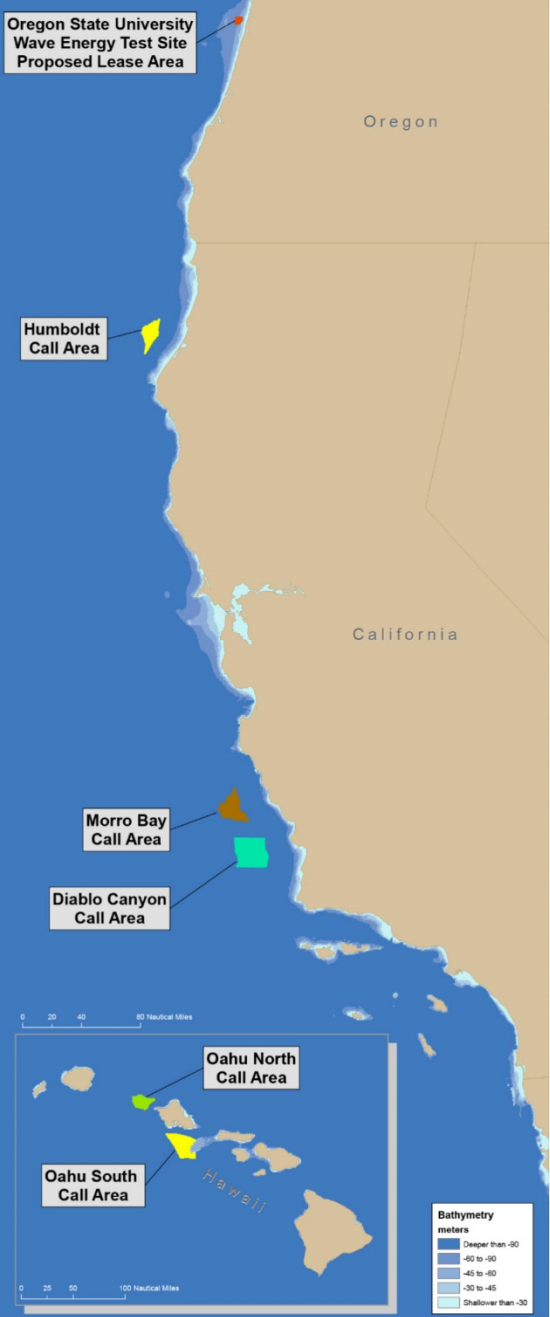
How is Input Collected?



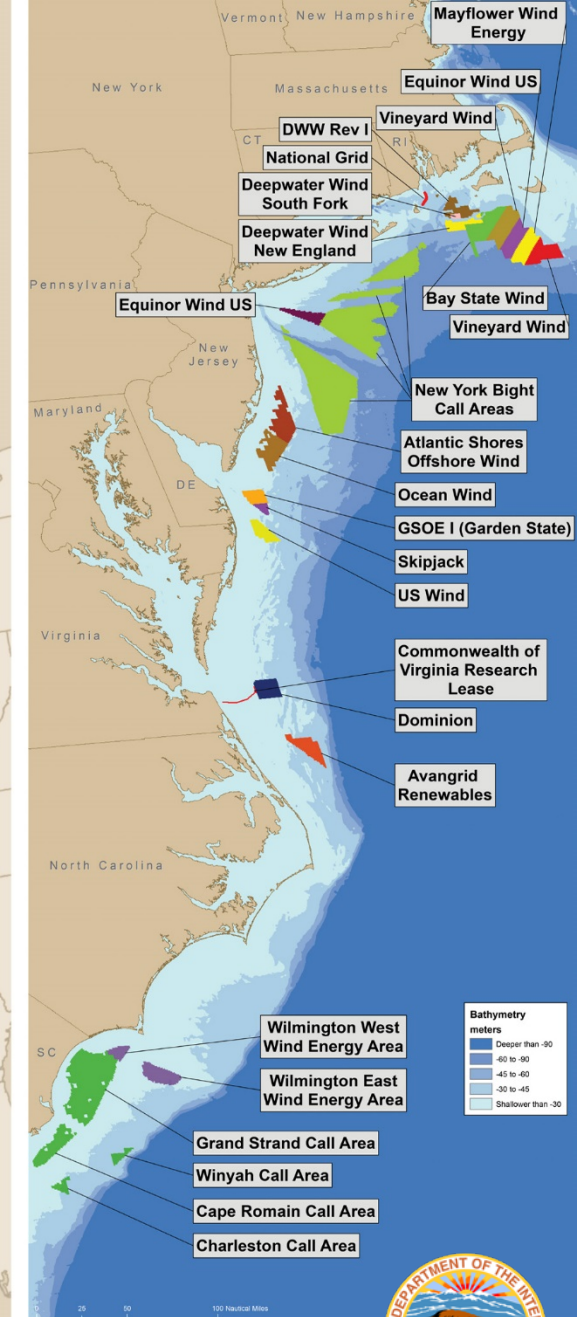
Atlantic OCS Renewable Energy: "Projects in the Pipeline"



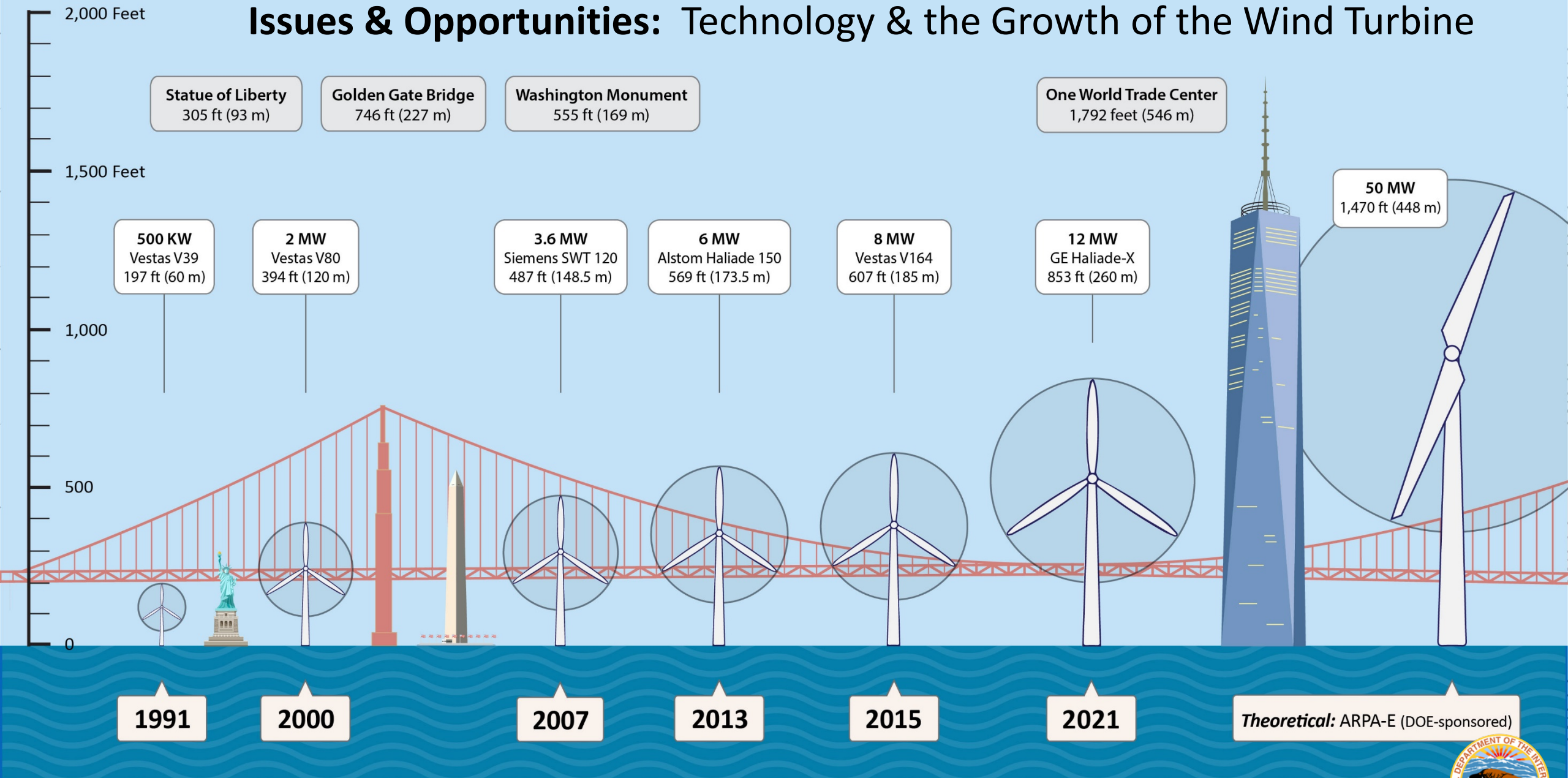
	Project	Company
2020	Coastal Virginia Offshore Wind Pilot	
▼	South Fork	
▼	Vineyard Wind I	
▼	Revolution Wind	
▼	Skipjack Windfarm	
▼	Empire Wind	
▼	Bay State Wind	
▼	U.S. Wind	
▼	Sunrise Wind	
▼	Ocean Wind	
▼	Coastal Virginia Offshore Wind Commercial	
▼	Park City Wind	
▼	Mayflower Wind	
▼	Atlantic Shores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



Renewable Energy Program by the Numbers



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

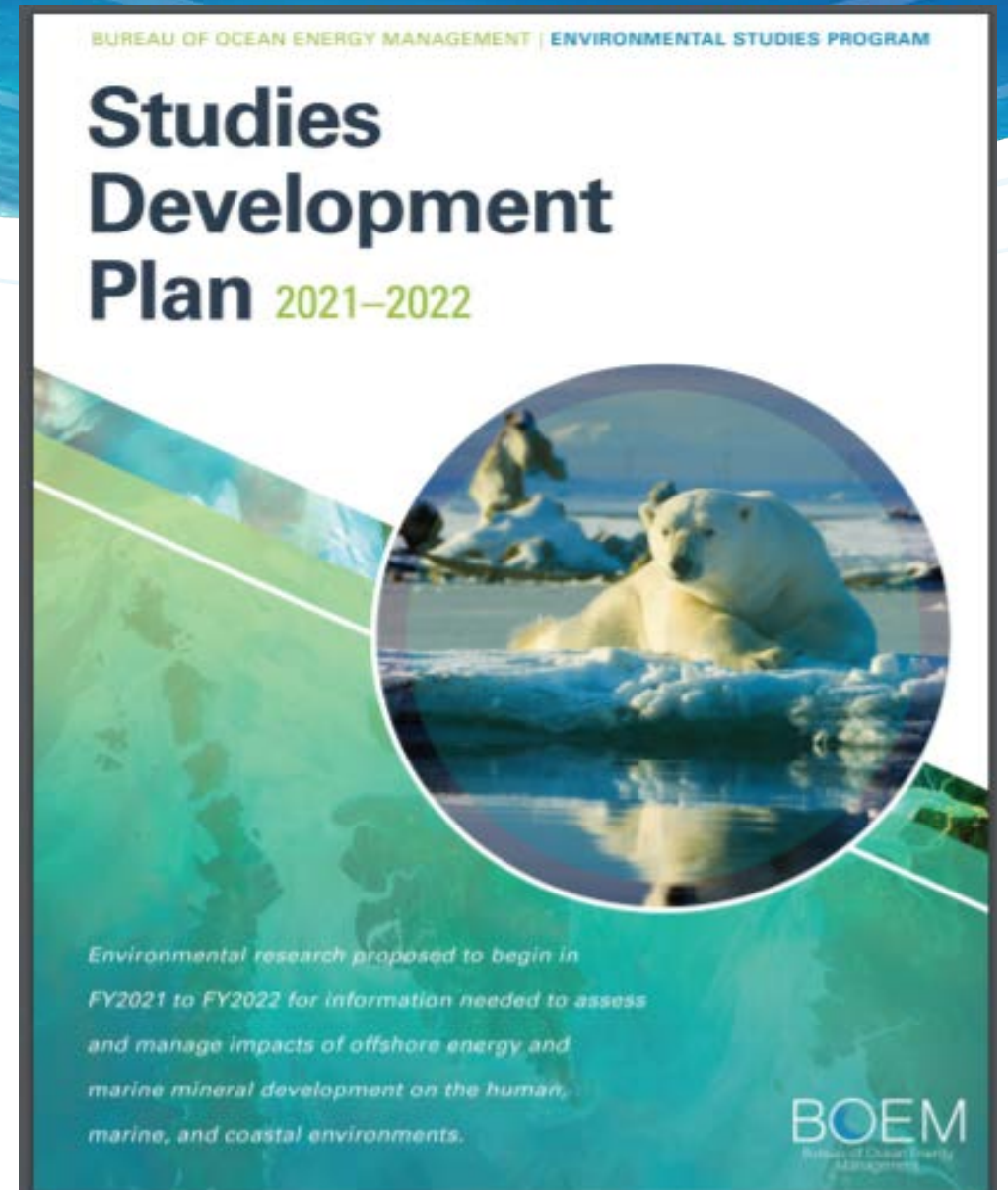


Issues & Opportunities: Technology & Foundation Types

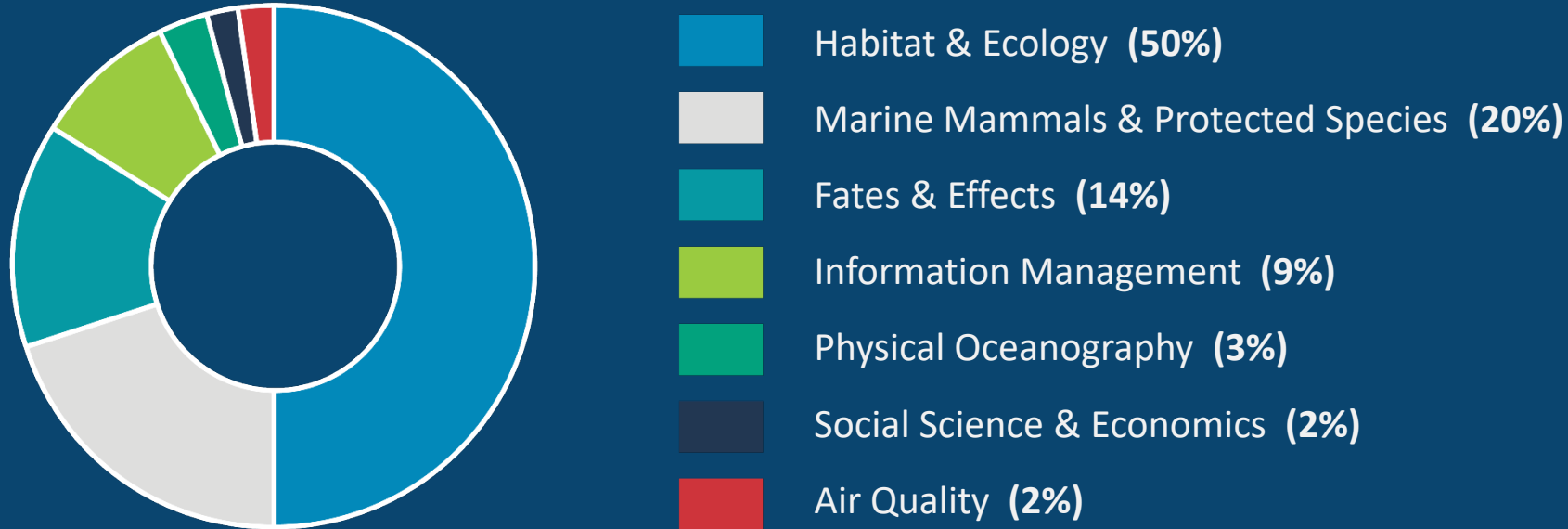


Environmental Studies Program

- BOEM just concluded solicitation for 2021 study ideas last winter
- Study ideas are reviewed 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



Funds for Renewable Energy Information Needs | FY 2011-18 Cumulative (~\$47M)



Includes obligations for all regions supporting environmental information needs for renewable energy, totaling \$47.3 million

BOEM

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

BOEM.gov



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