

Outer Continental Shelf (OCS) Renewable Energy

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Office of Renewable Energy Programs

Environmental and Energy Study Institute
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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 ..."





Atlantic OCS Renewable Energy: State Leadership





Atlantic OCS Renewable Energy: State Leadership (cont.)



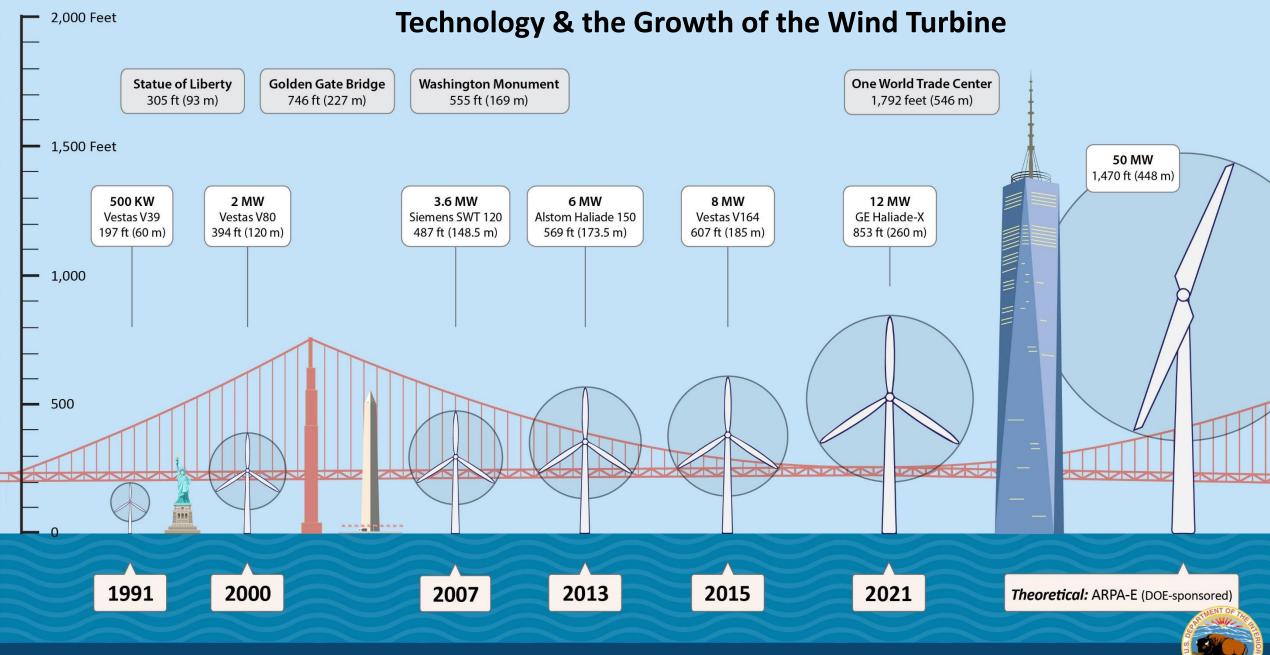
	Renewable Goals	Offshore Wind Goals (MW)	Offshore Wind: "Offtake" Awarded (MW) + Scheduled (MW)		
Maine	80% by 2030	144	0	+	0
Massachusetts	35% by 2030	5,600	1,600	+	1,600
Rhode Island	100% by 2030	unspecified	430	+	600
Connecticut	48% by 2030	2,300	1,108	+	0
New York	70% by 2030	9,000	4,316	+	0
New 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	+	0
North Carolina	unspecified	2,800	0	+	0

Atlantic OCS Renewable Energy: State Leadership (cont.)

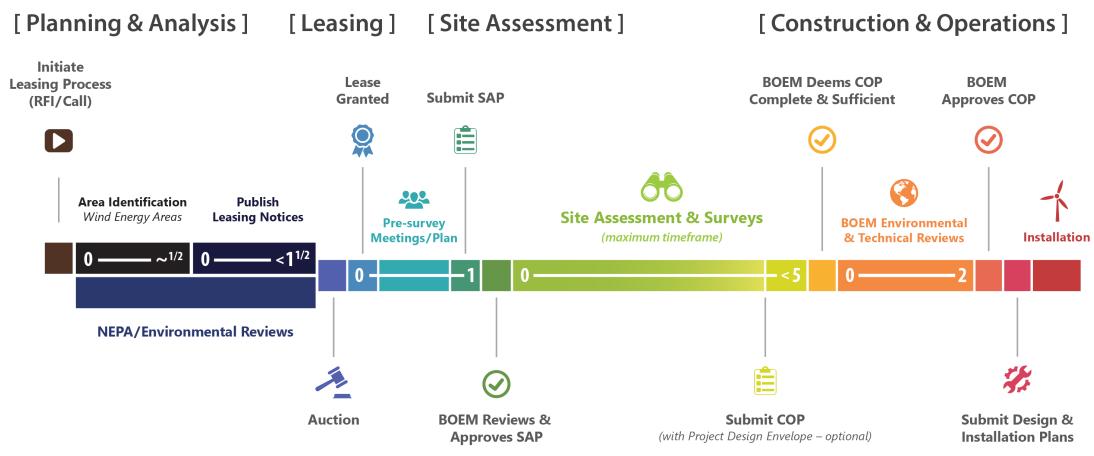


	Renewable Goals	Offshore Wind Goals (MW)	Offshore Wind: "Offtake" Awarded (MW) + Scheduled (MW)	
California	100% by 2045	3,000	unspecified	
Hawaii	100% by 2045	unspecified	unspecified	
Oregon	50% by 2040	unspecified	unspecified	
Louisiana	80% by 2050	5,000	unspecified	
TOTAL		42,124 MW	21,374 MW	



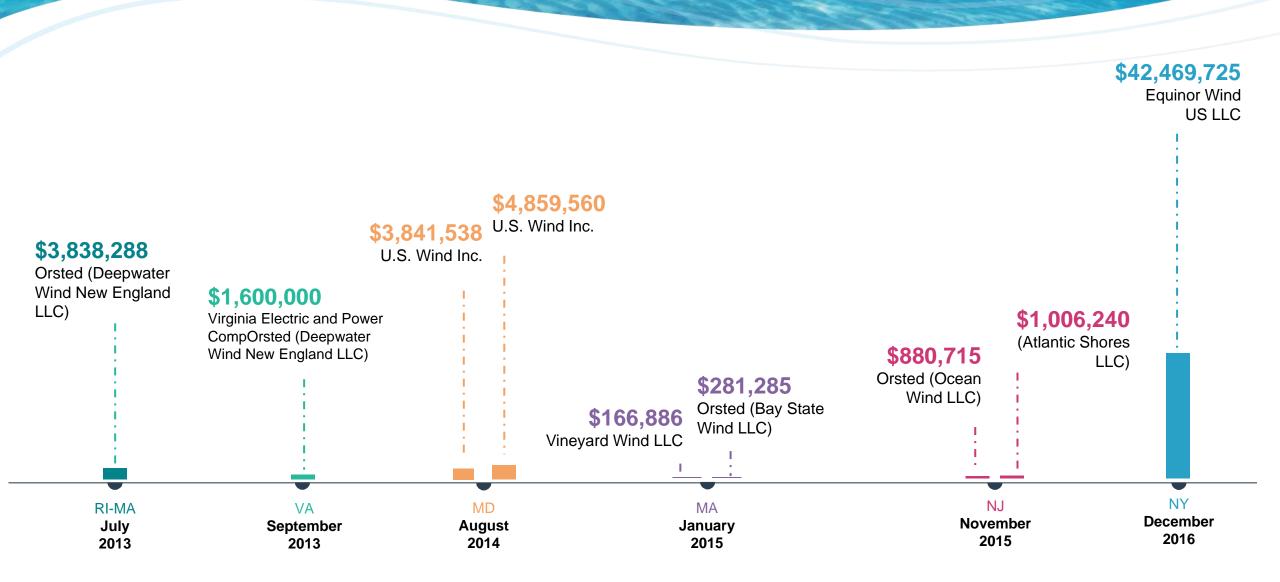


Renewable Energy Leasing Process: From RFI/Call to Operation

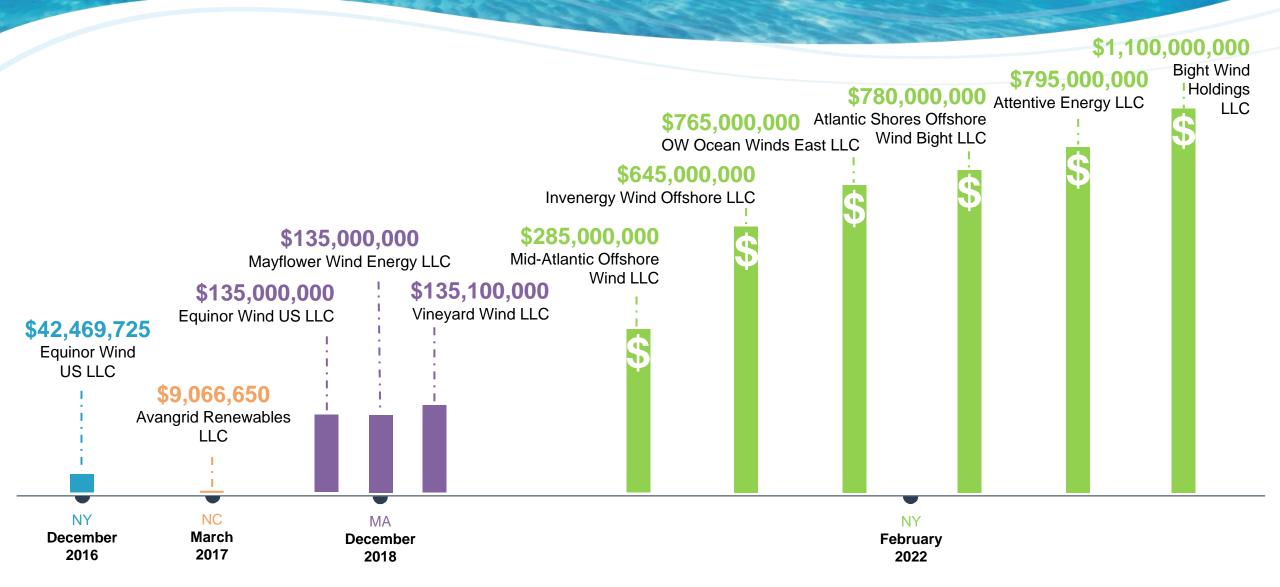




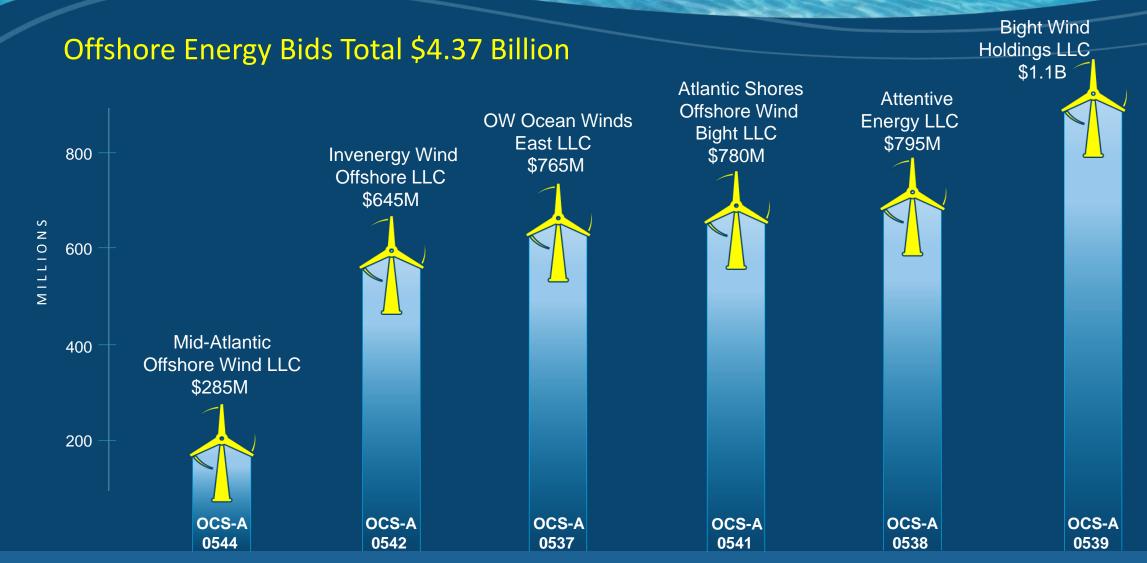
Atlantic OCS Renewable Energy Lease Sales (2013 – 2016)



Atlantic OCS Renewable Energy Lease Sales (2016 – 2022)



Atlantic OCS Renewable Energy Lease Record Sales



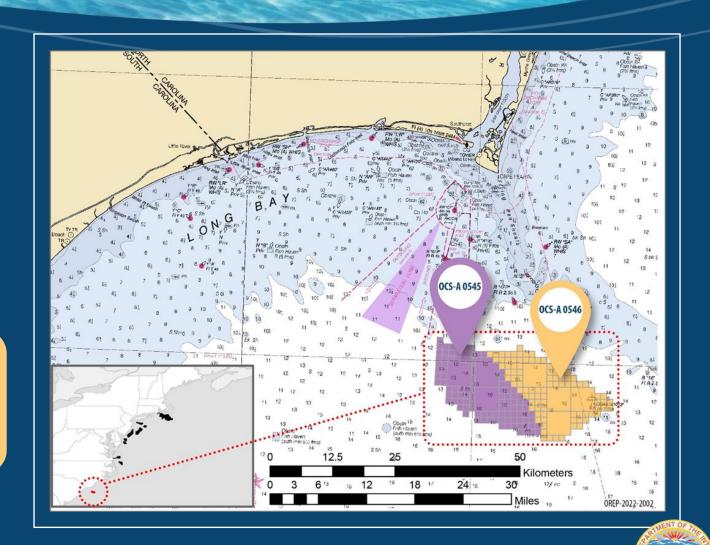


Renewable Energy Leasing: Carolina Long Bay

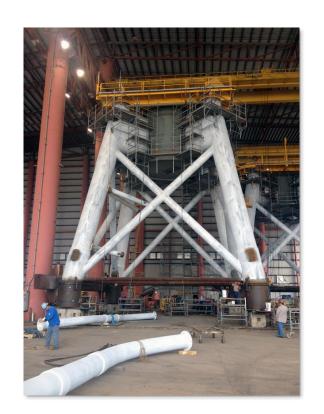
Provisional Winners of the Carolina Long Bay Lease Areas, \$315M in High Bids

OCS-A 0545
TotalEnergies
Renewables USA,
LLC

OCS-A 0546
Duke Energy
Renewables Wind,
LLC



















PORTS









Renewable Energy Program by the Numbers Oregon State University Mavflower Wind PacWave South **Competitive Lease Sales Completed:** 10 Energy LLC New York Oregon Call Area Coos Bay Oregon Revolution Wind, LLC **Active Commercial Offshore Leases Issued:** 27 National Grid Oregon Call Area Brookings **Active Research Offshore Leases Issued:** PA Humboldt WEA Attentive Energy LLC **Site Assessment Plans (SAPs) Approved:** 14 **General Activities Plans Approved:** Atlantic Shores South Ocean Wind **Construction and Operations Plans (COPs):** Orsted North America GSOE I (Garden State) **US Wind** California Skipjack **Approved Since 2021** 2 Virginia Electric and Power Company - CVOW Virginia **NEPA Process Underway** 10 Morro Bay WEA Avangrid Renewables **Other COPs Submitted Grand Strand Anticipated Within Next 12 Months** Call Area **Guidance:** 11 **Leasing Under Consideration:** Oahu South Bathymetry Cape Romain **Gulf of Mexico** Call Area **Steel in the Federal Waters:** Call Area 2020 Charleston Call Area

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











Atlantic OCS Renewable Energy: "Projects in the Pipeline"



Renewable Energy Project: Rhode Island / Massachusetts

South Fork (OCS-A 0517)

- Lease Issued: Oct 1, 2013
- Current Stage: Installation
- Next Milestone: Facility Design Report (FDR)
 Fabrication & Installation Report (FIR) Review
- Max # of WTG Locations: Up to 15
- Interconnection State: New York
- Power Purchase Agreement: NY, 133 MW
- Commissioning Date: 2023
- Lessee: South Fork Wind, LLC



Renewable Energy Project: Massachusetts

Vineyard Wind I (OCS-A 0501)

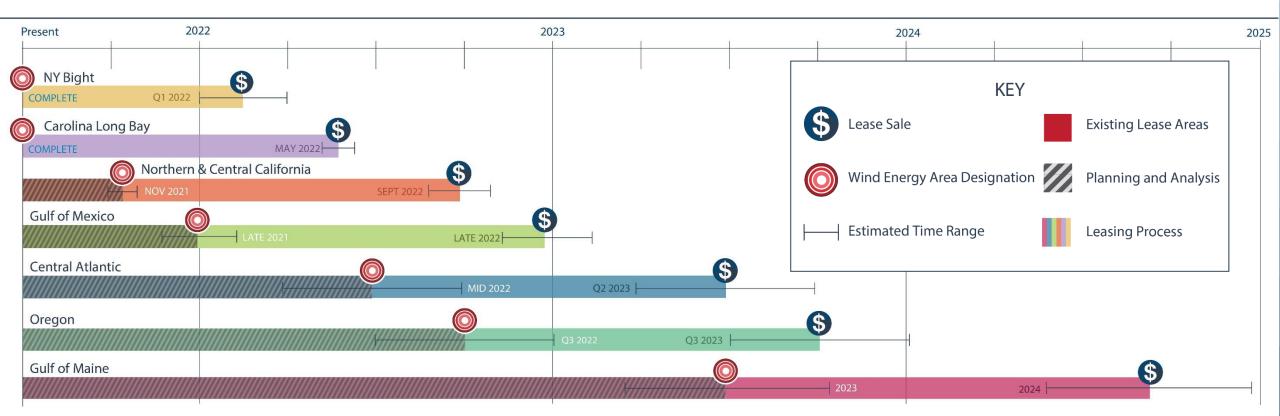
- Lease Issued: April 1, 2015
- Current Stage: Installation
- Next Milestone Facility Design Report (FDR)
 Fabrication & Installation Report (FIR) Review
- Max # of WTG Locations: 62
- Interconnection State: MA
- Power Purchase Agreement: MA, 800 MW
- Commissioning Date: 2024
- Lessee: Vineyard Wind 1, LLC



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

BOEM Offshore Wind Leasing Path Forward 2021-2025



Our path forward will help achieve the first-ever national offshore wind goal to deploy 30 gigawatts of offshore wind by 2030, which would create nearly 80,000 jobs



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

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