



BOEM Bureau of
Ocean Energy Management

Outer Continental Shelf (OCS) Renewable Energy

Mid-Atlantic Fisheries Management Council Meeting
December 12, 2022 – Annapolis, MD

Karen Baker
Chief, 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



OCS Renewable Energy: State Leadership & Renewable Energy Goals



Atlantic OCS Renewable Energy Goals

	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	3,200 + 0
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 + 2,000
New Jersey	50% by 2030	7,500	3,758 + 3,742
Maryland	50% by 2030	1,568	2,023 + 0
Virginia	30% by 2030	5,212	2,652 + 0
North Carolina	unspecified	2,800	0 + 0

Pacific OCS Renewable Energy Goals

California	100% by 2045	5,000	unspecified
Hawaii	100% by 2045	unspecified	unspecified
Oregon	50% by 2040	3,000	unspecified

Gulf of Mexico OCS Renewable Energy Goals

Louisiana	80% by 2050	5,000	unspecified
TOTAL	--	47,124 MW	23,829 MW



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**



Renewable Energy Leasing Process: From RFI/Call to Operation

[Planning & Analysis]

[Leasing]

[Site Assessment]

[Construction & Operations]

Initiate Leasing Process (RFI/Call)

Lease Granted

Submit SAP

BOEM Deems COP Complete & Sufficient

BOEM Approves COP



Area Identification
Wind Energy Areas

Publish Leasing Notices

Pre-survey Meetings/Plan

Site Assessment & Surveys
(maximum timeframe)

BOEM Environmental & Technical Reviews

Installation

0 — ~1/2

0 — <1 1/2

0

1

0

<5

0

2

NEPA/Environmental Reviews



Auction

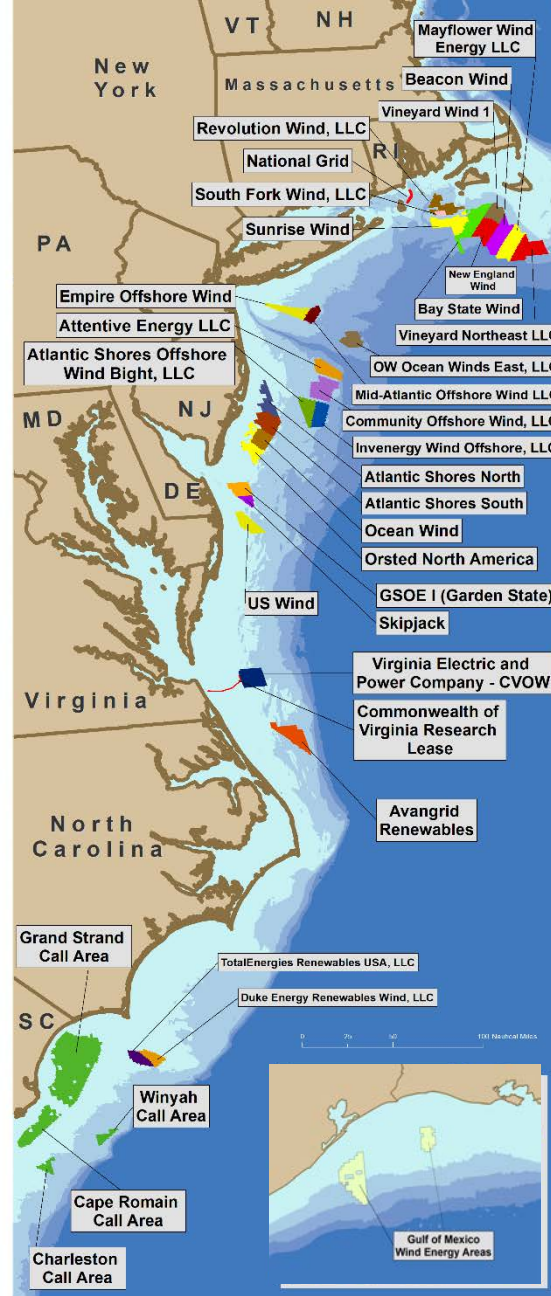
BOEM Reviews & Approves SAP

Submit COP
(with Project Design Envelope – optional)

Submit Design & Installation Plans



Renewable Energy Program by the Numbers



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



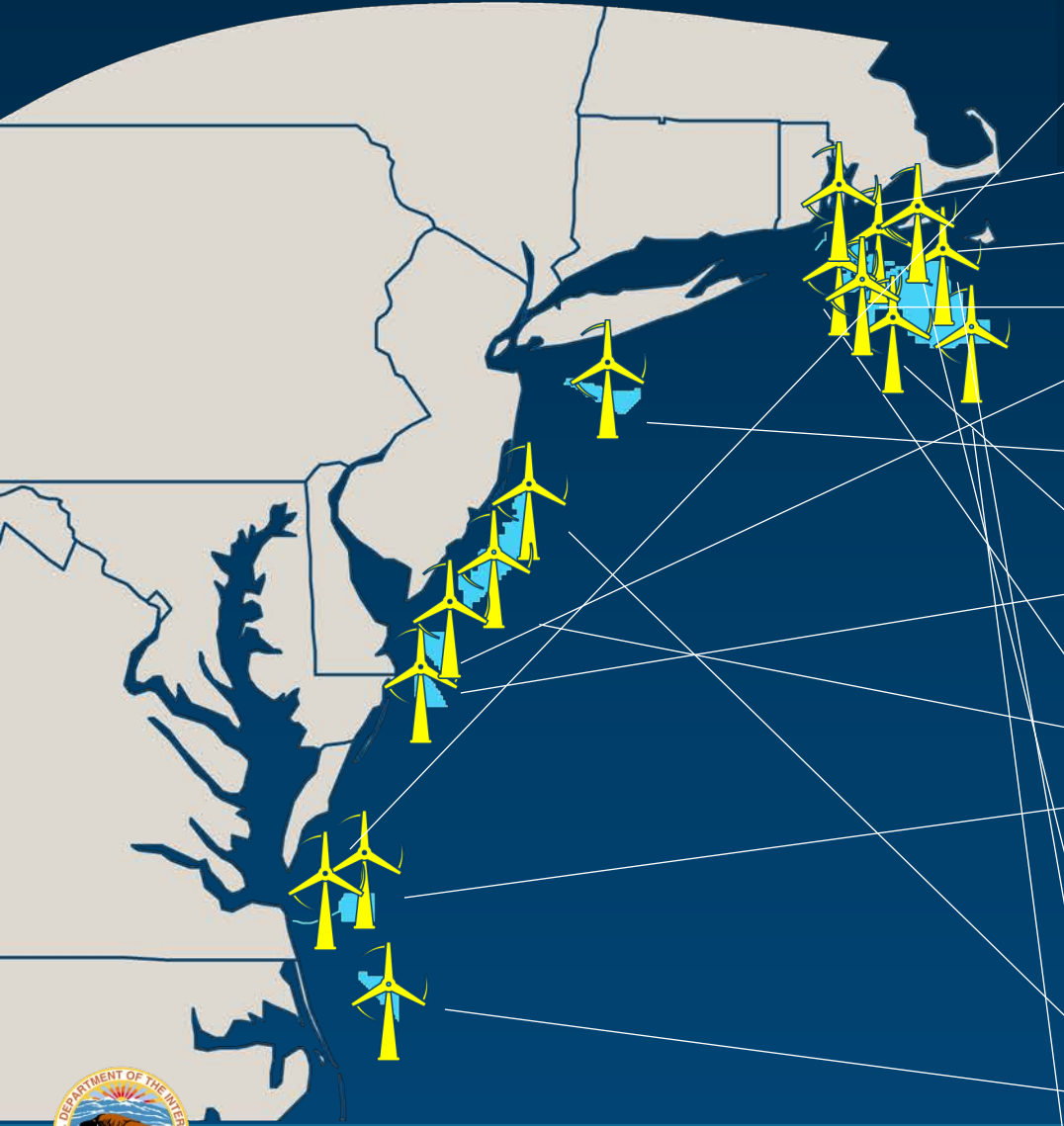
Renewable Energy Project: Massachusetts

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: Massachusetts
- Power Purchase Agreement: MA, 800 MW
- Commissioning Date: 2024
- Lessee: Vineyard Wind 1, LLC



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	
▼	New England Wind	
▼	Mayflower Wind	
▼	Atlantic Shores	
▼	Kitty Hawk	
2030	OCS-A 0522	



Renewable Energy Project: New York

Empire Wind (OCS-A 0512)

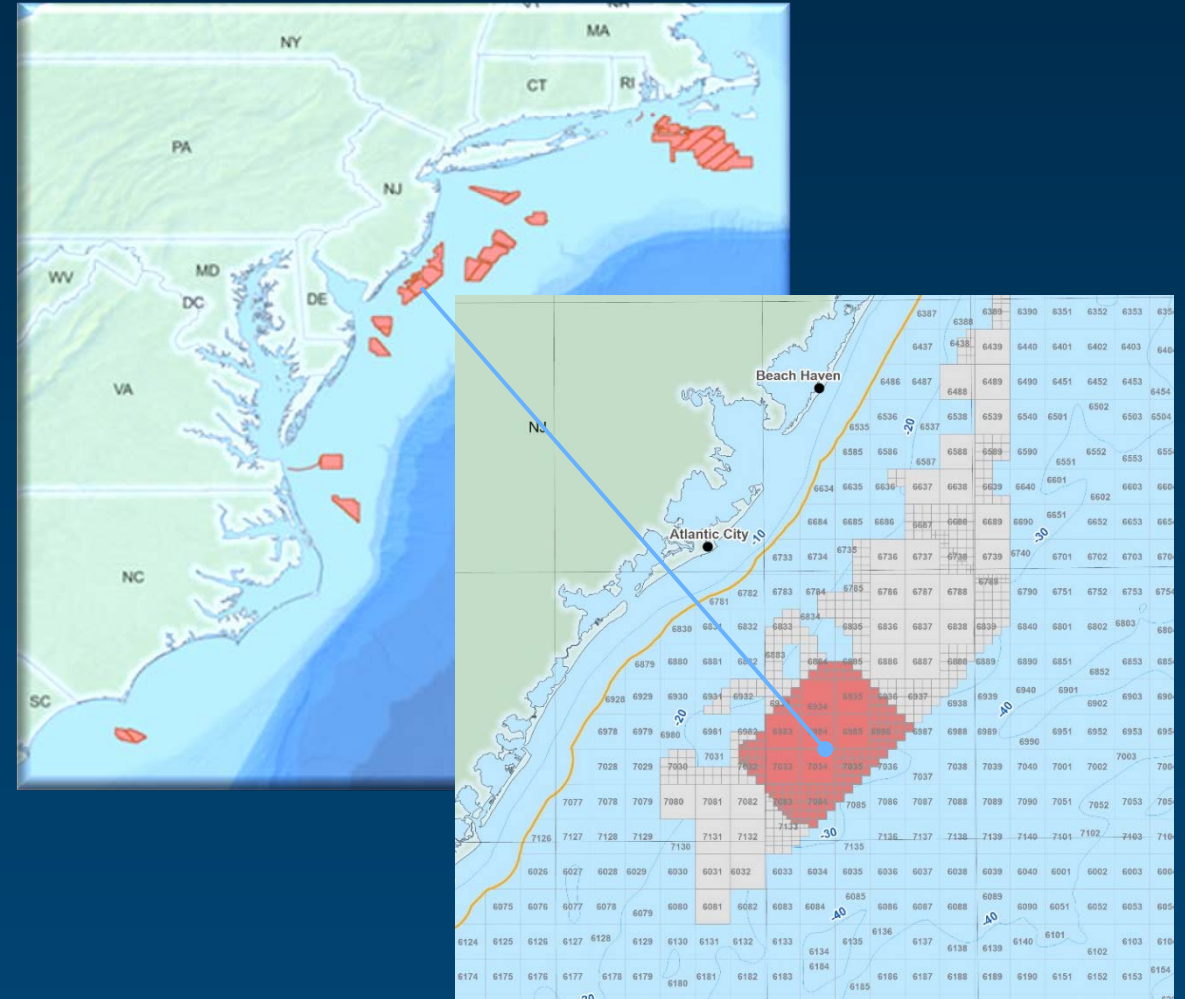
- Lease Issued: April 1, 2017
- Current Stage: **Construction and Operations Plan (COP)**
- Draft Environmental Impact Statement (DEIS) published in Federal Register Nov. 18, 2022
- Public meetings held Dec. 7, 13, & 15, 2022
- Max # of WTG Locations: 174
- Interconnection State: New York
- Power Purchase Agreement: NY, 816 MW (Phase I) and 1,260 MW (Phase II)
- Commissioning Date: 2024 (Phase I) and 2027 (Phase II)



Renewable Energy Project: New Jersey

Ocean Wind (OCS-A 0498)

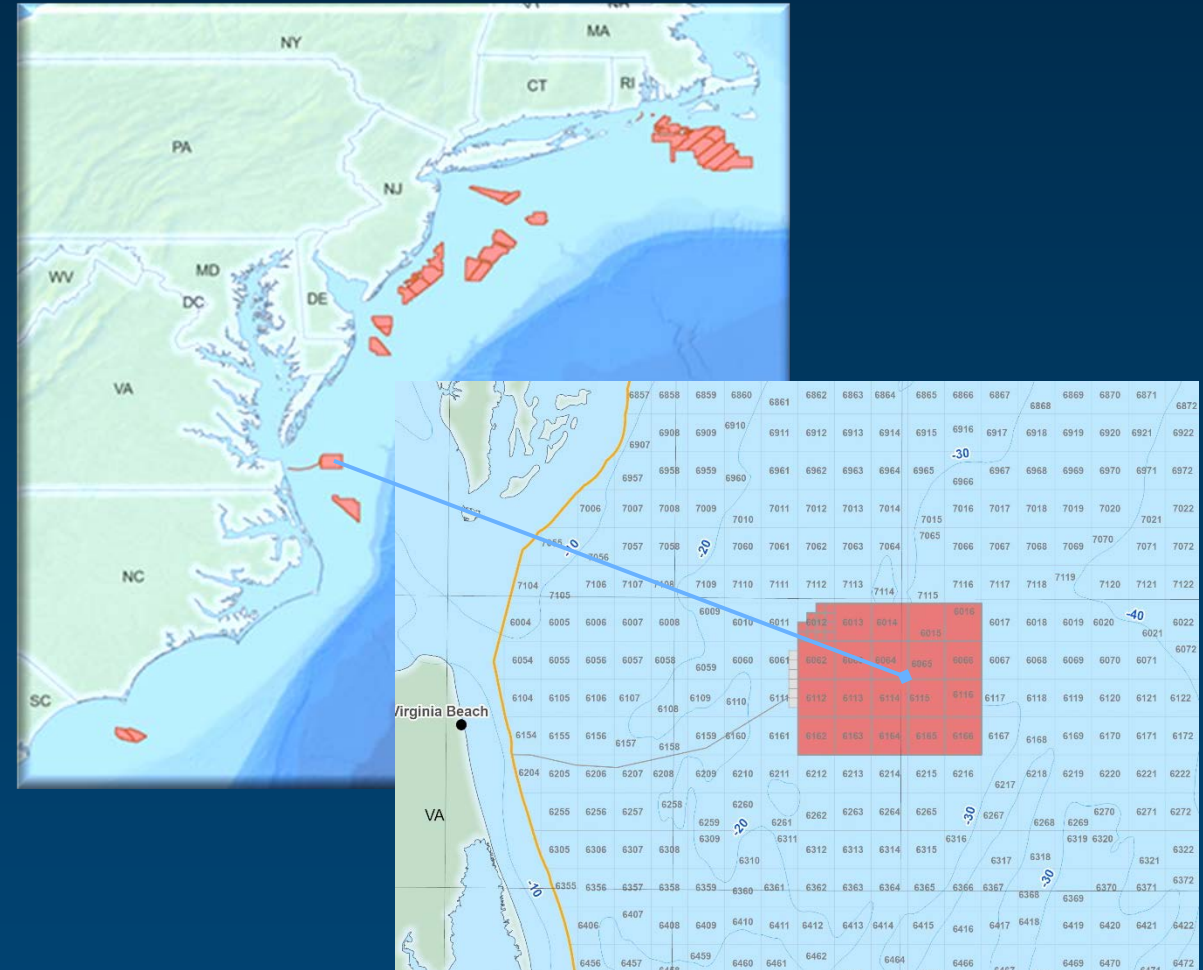
- Lease Issued: March 1, 2016
- Current Stage: **Construction and Operations Plan (COP)**
- Next Milestone: Final Environmental Impact Statement (FEIS)
- Max # of WTG Locations: 98
- Interconnection State: New Jersey
- Power Purchase Agreement: NJ, 1,100 MW
- Commissioning Date: 2026
- Lessee: Ocean Wind, LLC



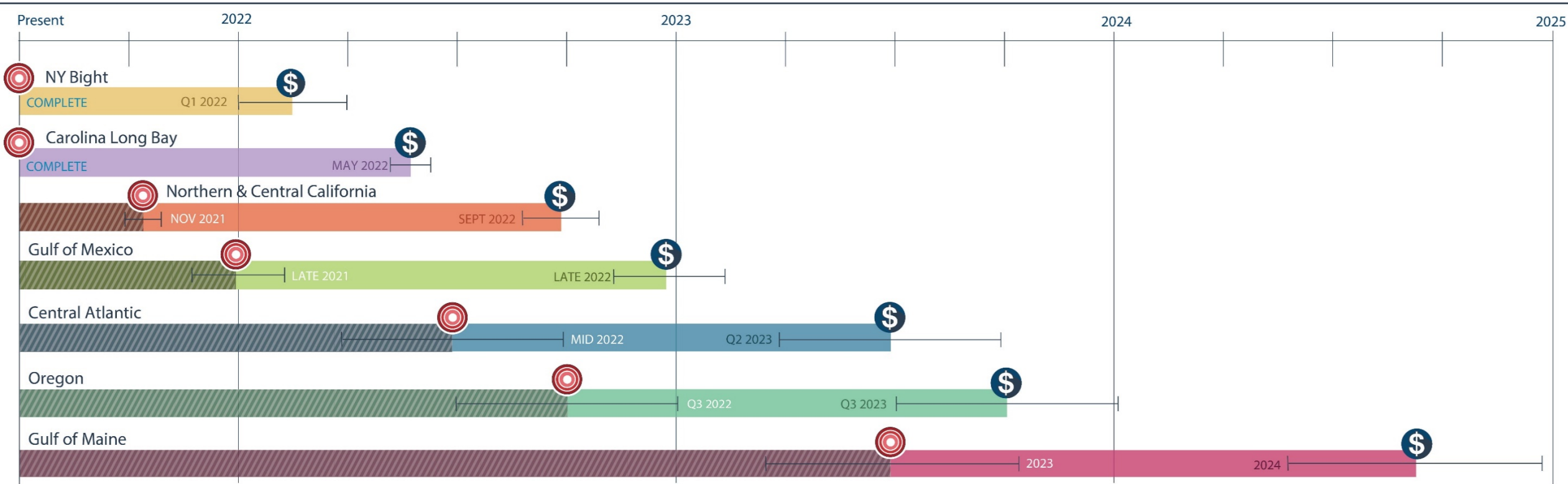
Renewable Energy Project: Virginia

Coastal Virginia Offshore Wind (Commercial; OCS-A 0483)

- Lease Issued: Nov 1, 2013
- Current Stage: **Construction and Operations Plan (COP)**
- Next Milestone: Draft Environmental Impact Statement (DEIS)
- Max # of WTG Locations: 205
- Interconnection State: Virginia
- Power Purchase Agreement: Utility Owned
- Commissioning Date: 2024 - 2026
- Owner: Virginia Electric and Power Company



BOEM Offshore Wind Leasing Path Forward: 2021-2025

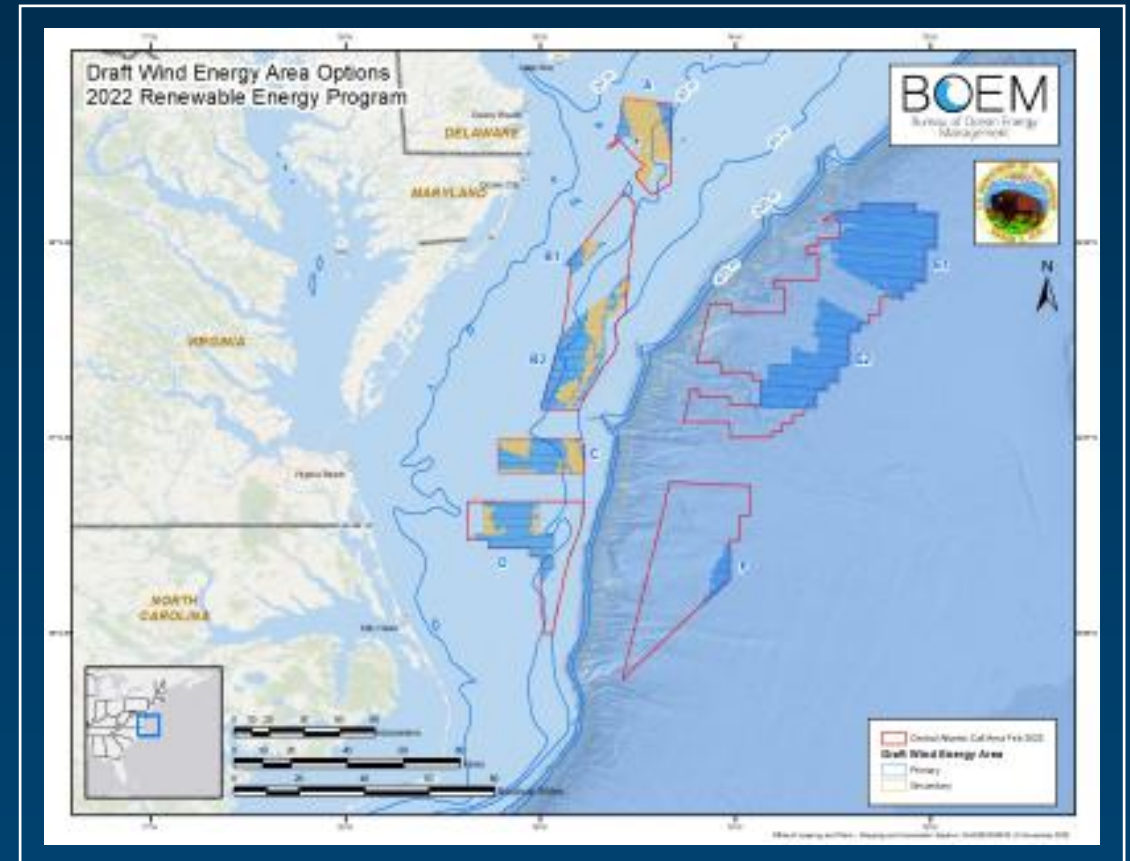


Our path forward will help achieve the first-ever **national offshore wind goal** to deploy **30 gigawatts of offshore wind by 2030**, which would support nearly **80,000 jobs**



Renewable Energy Leasing: Central Atlantic

- Currently in planning phase to identify Wind Energy Areas (WEAs)
- Call for Information and Nominations published Apr. 29, 2022, for public comment
- BOEM working with NOAA to conduct marine spatial modeling that will inform WEAs
- Draft WEAs published on Nov. 16, 2022, for 30-day comment period ending Dec. 16
- Draft WEA stakeholder engagement scheduled for Nov. 30 and Dec. 1
- **Next Step:** Finalize WEAs Q1 2023



Fisheries Mitigation Guidance

- In June BOEM published the draft guidance document and opened a **60-day comment period** which concluded on August 22, 2022. In total, **88 comments were received** from 79 organizations and 9 individuals.
- Also during that time BOEM held four virtual meetings to present the draft guidance and answer questions the public might have.
- Our goal is to have the **final guidance available this winter** to support BOEM's environmental analysis for upcoming construction and operation of several east coast projects. However, the mitigation will also be useful in the Gulf of Mexico and the Pacific Regions as they develop lease sales in those regions.
- BOEM intends to have a public meeting after the final guidance is issued to explain the changes we made based on the comments we received.



Environmental Studies Program

The request for study ideas closes on Dec. 9, 2022

- BOEM solicits study ideas from public every fall/winter.

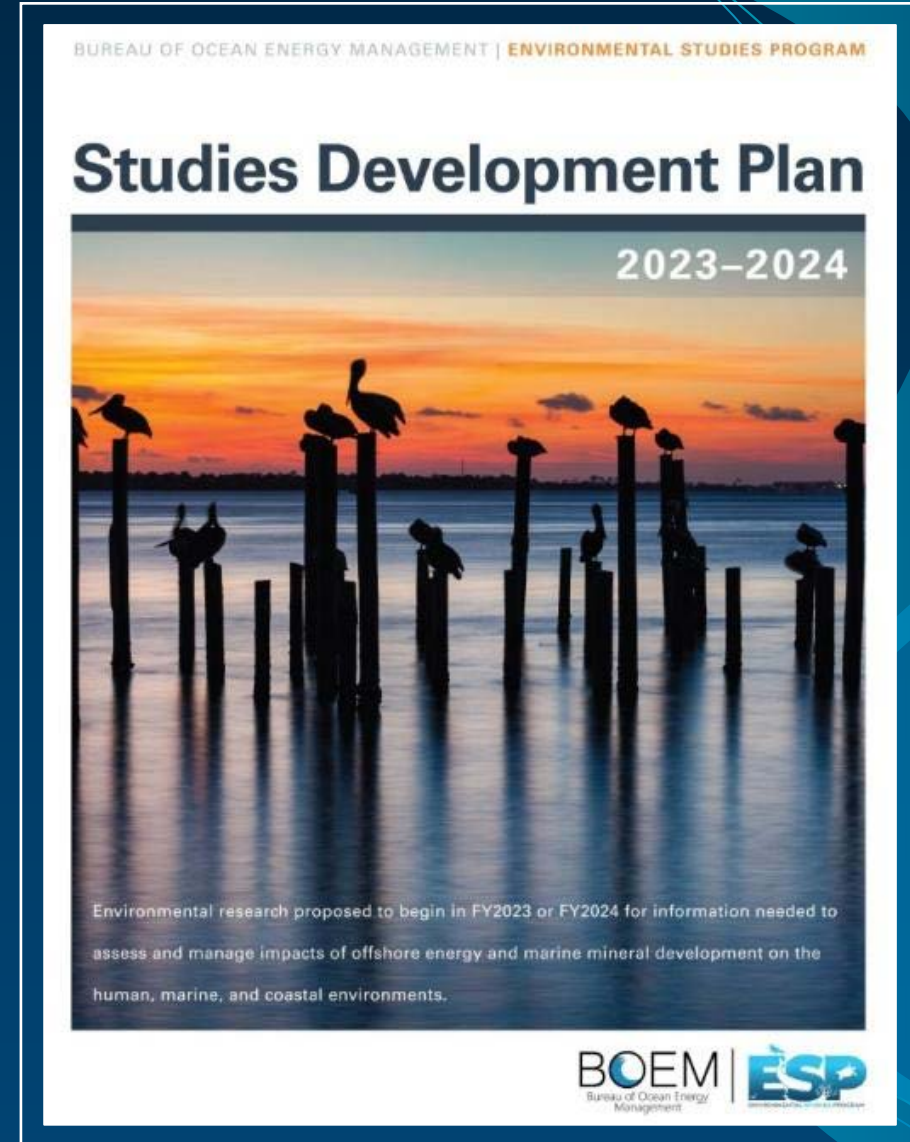


[Environmental Study Ideas FY 2024 & 2025](#)

- 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.
- The FY 2023 studies list can be found here:



[BOEM FY 2023 Studies List](#)





Renewable Energy

BOEM facilitates the responsible development of renewable energy resources on the Outer Continental Shelf.

[Read More](#)

BOEM
Bureau of Ocean Energy
Management

Please select your BOEM topic interests and join our mailing lists below.

Privacy Act Statement: BOEM requests your email address so that we can send you information regarding upcoming announcements via BOEM's email subscription service. The collection of your email address for this form is authorized under OMB Guidelines for Ensuring and Maximizing the Quality, Objectivity, Utility, and Integrity of Information Disseminated by Federal Agencies and 5 U.S.C 301, Departmental Regulations. Providing your email address is voluntary, but is necessary in order to participate in this email subscription service. You may unsubscribe at any time. Access to your email address and subscription information is limited to BOEM staff who have an official need to know. BOEM does not routinely share subscriber information with external agencies unless required by law, or as authorized under the Privacy Act or the routine uses in DOI-08, DOI Social Networks, 78 FR 44033 (July 22, 2011), which may be viewed at: <https://www.govinfo.gov/content/pkg/FR-2011-07-22/html/2011-18508.htm>. BOEM will not share your information with third parties for promotional purposes. To understand how BOEM uses information it collects through official BOEM accounts on third-party websites, please refer to the BOEM's Privacy Policy at <https://www.boem.gov/Privacy-Policy>. You may review the Constant Contact privacy policy to learn how Constant Contact uses your information.

* Email Address

First Name

Last Name

Contact Us



BOEM.gov



BOEM

Bureau of Ocean Energy
Management

BOEM.gov



Karen Baker, karen.baker@boem.gov