Outer Continental Shelf Wind Energy Leasing
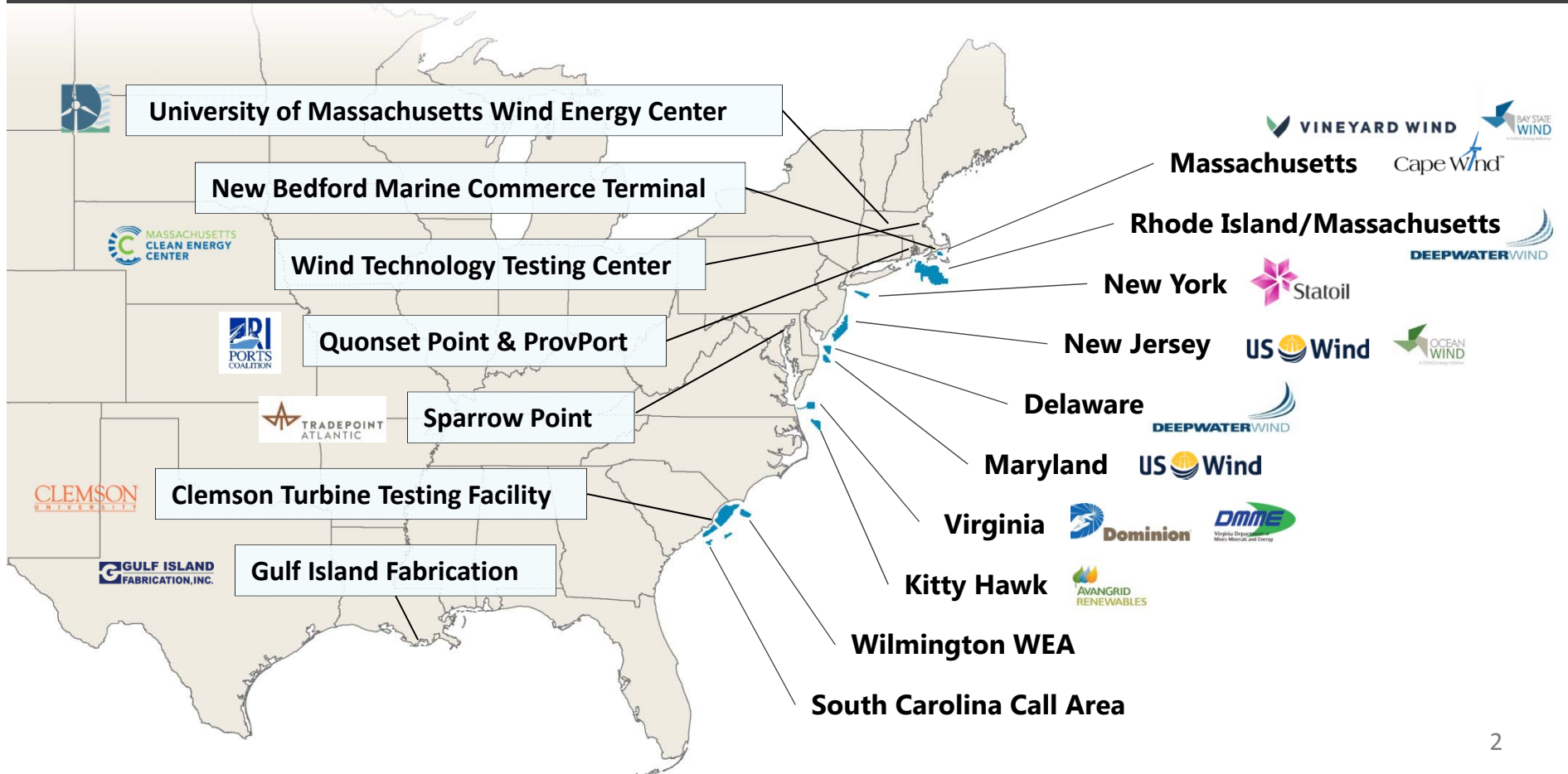# in the New York Bight

James Bennett, *Office of Renewable Energy Program Manager*

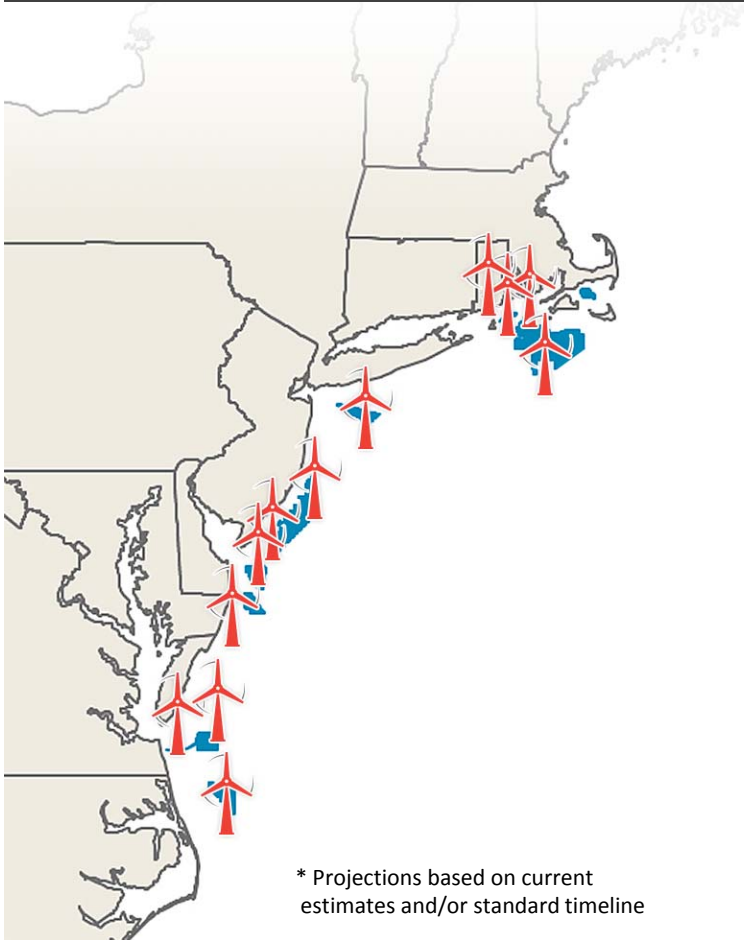**Luke Feinberg**, *Project Coordinator*

Bureau of Ocean Energy Management | Department of the Interior
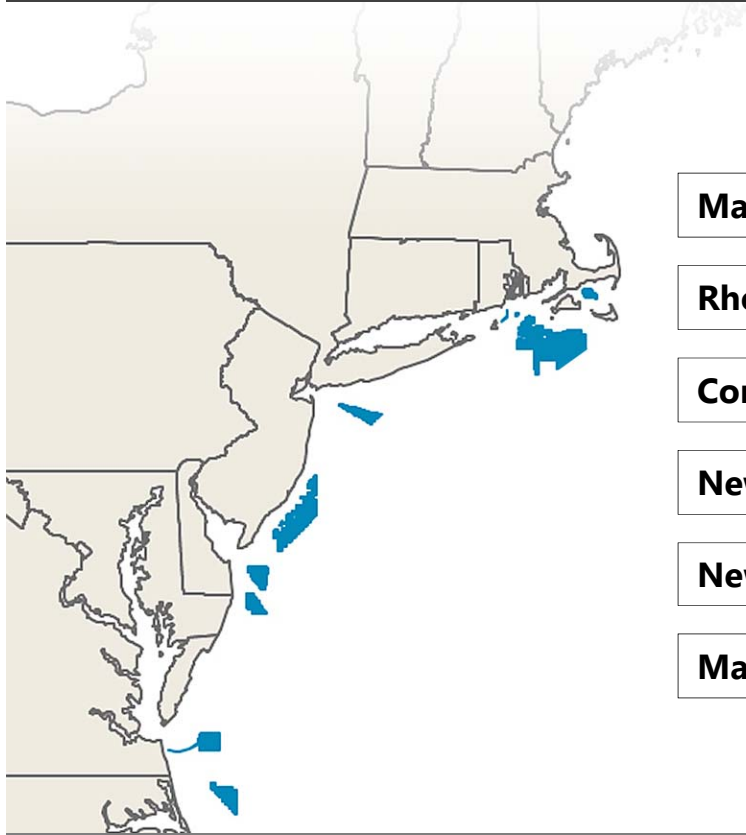
Atlantic OCS Renewable Energy Activities

University of Massachusetts Wind Energy Center

New Bedford Marine Commerce Terminal

Wind Technology Testing Center

Quonset Point & ProvPort

Sparrow Point

Clemson Turbine Testing Facility

Gulf Island Fabrication

Massachusetts

Rhode Island/Massachusetts

New York

New Jersey

Delaware

Maryland

Virginia

Kitty Hawk

Wilmington WEA

South Carolina Call Area

Atlantic OCS Renewable Energy: "Projects in the Pipeline"

Year	Project	Company
2020	Coastal Virginia Offshore Wind (CVOW)	DMME Ørsted
2021	Vineyard Wind	VINEYARD WIND
2022	South Fork	DEEPWATERWIND
2022	Ocean Wind	Ørsted
2022	Bay State Wind	Bay State Wind
2022	U.S. Wind (MD)	US Wind
2023	Revolution Wind	DEEPWATERWIND
2023	Skipjack Windfarm	DEEPWATERWIND
2025	Dominion Commercial Lease	Dominion Energy
2026	U.S. Wind (NJ)	US Wind
2027	Empire Wind	Statoil
2027	Kitty Hawk	AVANGRID

* Projections based on current
  estimates and/or standard timeline

Atlantic OCS Renewable Energy: "State Leadership"

	Offshore Solicitation (MW)	Offshore Goals (MW)	Renewable Goals
Massachusetts	400	1,600	25% by 2030
Rhode Island	400	N/A	38.5% by 2025
Connecticut	250	N/A	20% by 2020
New York	800	2,400	50% by 2030
New Jersey	1,100	3,500	N/A
Maryland	368	N/A	25% by 2020
TOTAL	**3,318 MW**	**7,500 MW**	--

United States Atlantic — BOEM Lease Areas, BOEM Wind Planning Areas
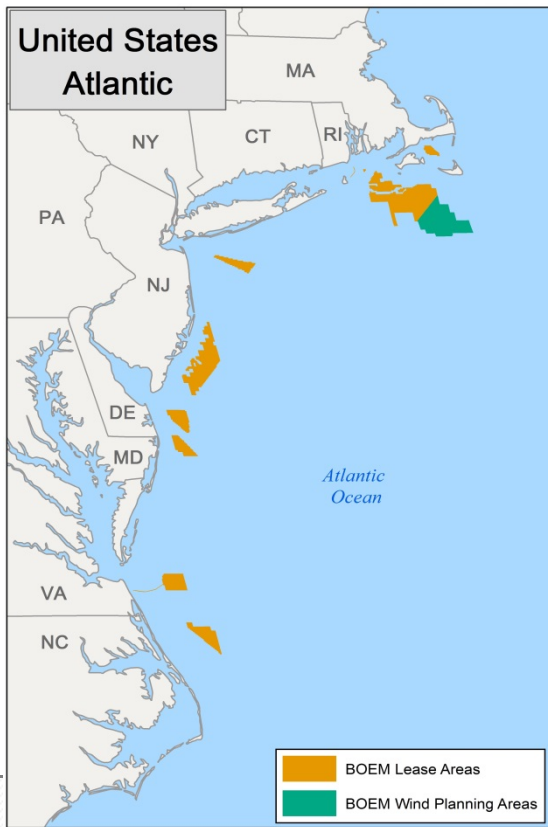
Metric	U.S. Atlantic	Continental North Sea
Population (< 50 mi of coast)	51,607,259	42,411,495
Length of Coast (NM)	600	700
Number of Active Projects	14	37
Production Start Date	2020 (anticipated)	1996
Active Production (MW nameplate)	0	8,174
Anticipated Production (MW)	7,500	43,878

Continental North Sea — Fully Commissioned Capacity (MW): 6 - 30, 31 - 97, 98 - 219, 220 - 389, 390 - 630; Planned
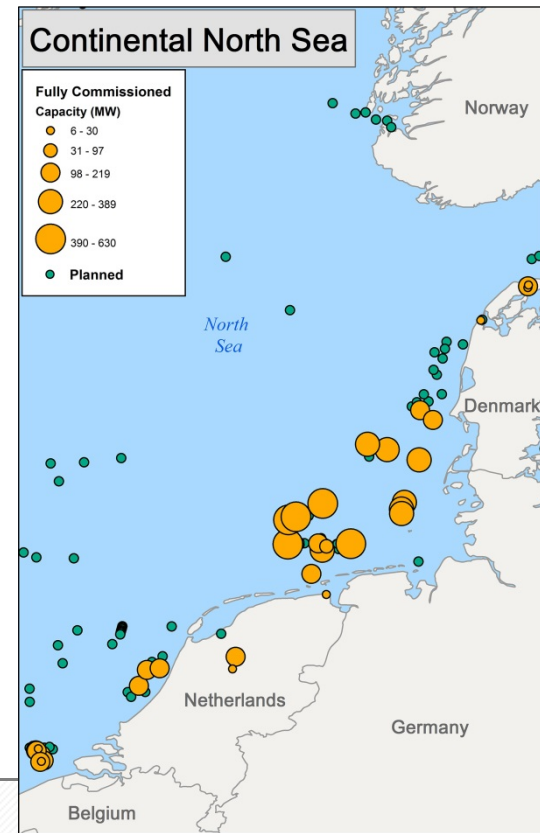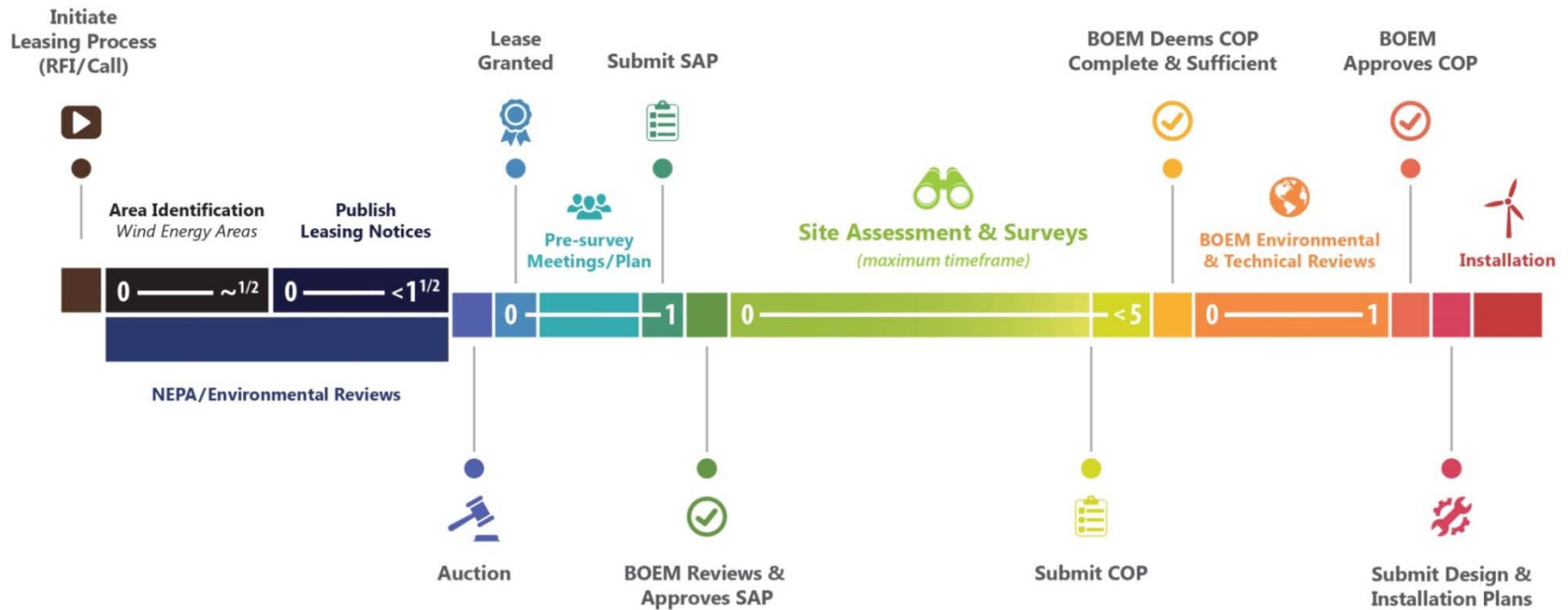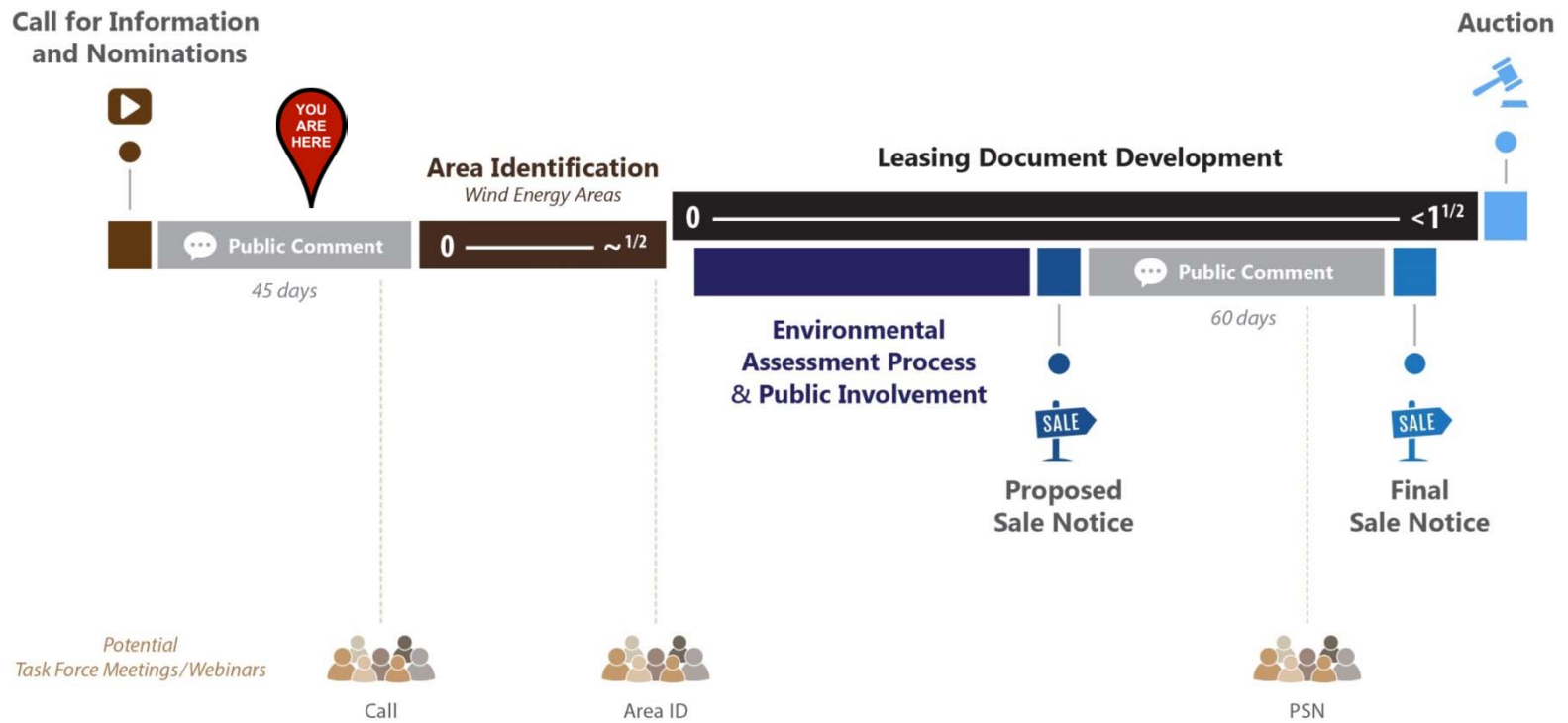
Challenges

- Commercial and recreational fishing

- Viewshed/visual impact

- Navigation and safety

- Wildlife

Renewable Energy Process: Leasing to Operations

Call for Information and Nominations

YOU ARE HERE

Public Comment

45 days

Area Identification
Wind Energy Areas

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Leasing Document Development

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Auction

Environmental Assessment Process & Public Involvement

Public Comment

60 days

SALE
Proposed Sale Notice

SALE
Final Sale Notice

Potential Task Force Meetings/Webinars

Call

Area ID

PSN

Call Development

- **Oct 2, 2017** | New York State Area for Consideration

- **Oct 3, 2017** | NY Task Force Meeting (Riverhead, NY)

- **Dec 4, 2017** | Intergovernmental Renewable Energy Task Force Webinar on the New York Bight

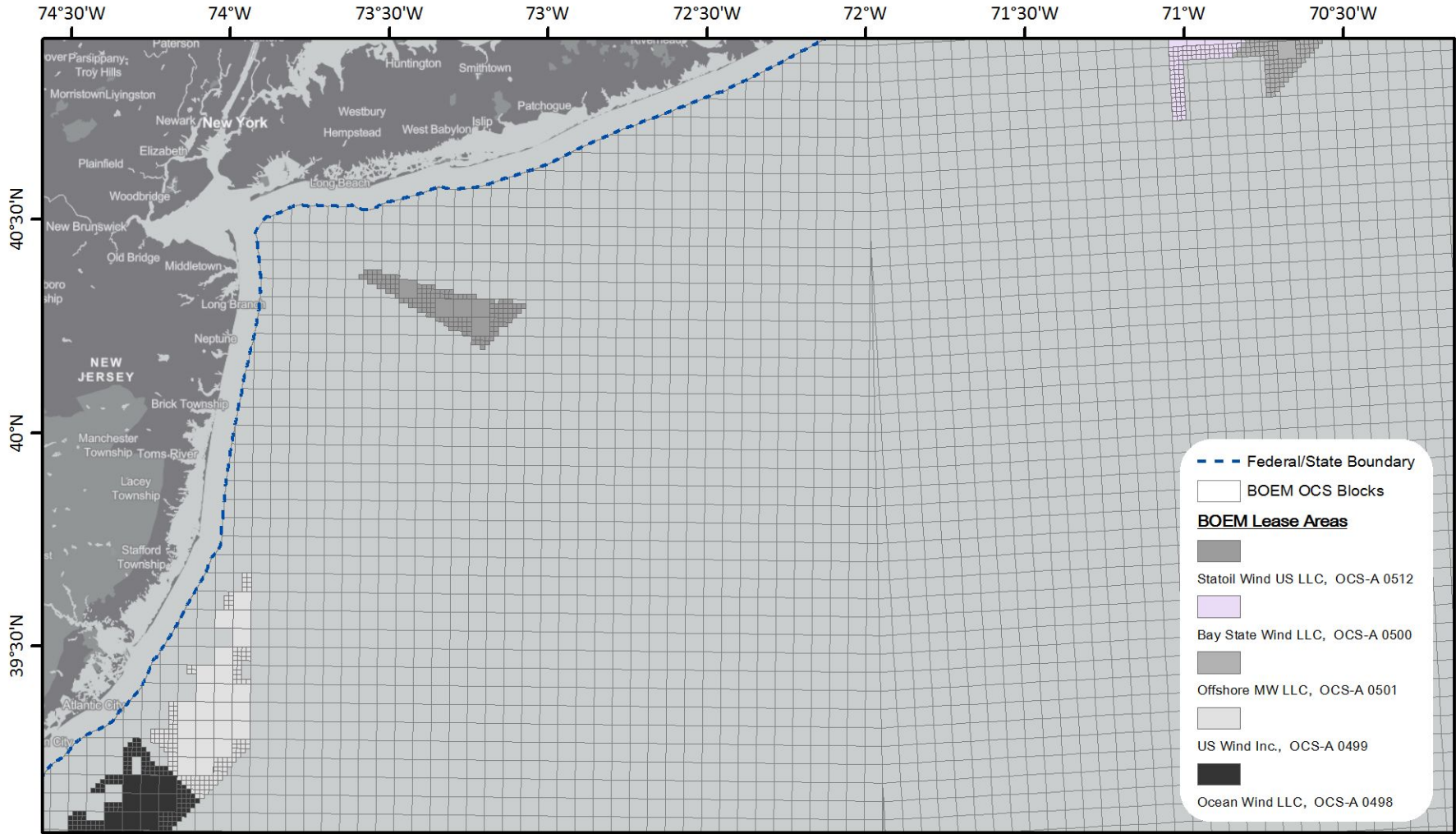- **Apr 11, 2018** | Call for Information and Nominations published
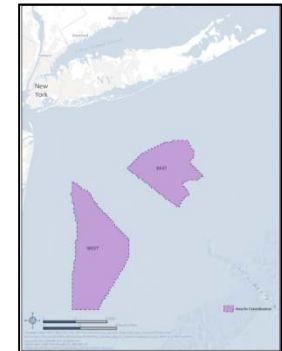
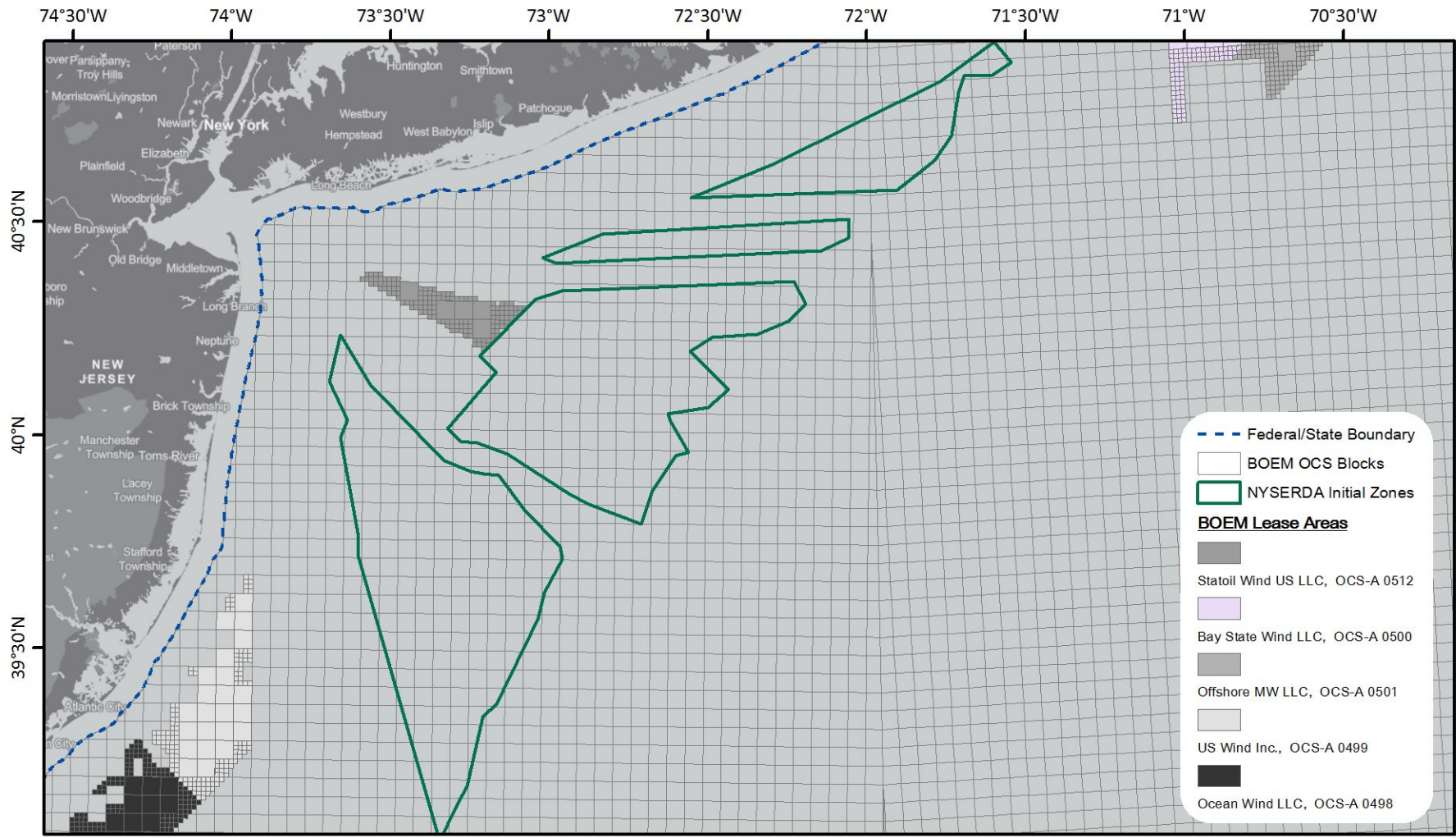## Call Development: Input & Response from Task Force Comments

- **National Marine Fisheries Service (NOAA)**
  - Additional data sources to consider
  - Material added to address commercial and recreational fisheries, Atlantic Sturgeon

- **United States Coast Guard (USCG)**
  - Added section to address military and training considerations

- **State of New York**
  - Supports BOEM leasing process

Call Development: Input & Response from Task Force Comments

- **New Jersey Department of Environmental Protection**

  - Requested removal of areas due to New Jersey Ocean Sport and Prime Fishing Areas, New Jersey commercial landings, other relevant information

  - BOEM kept such areas in the Call to receive public input

- **Rhode Island Department of Environmental Management**

  - Requested BOEM minimize conflicts with fishing activity and

  - Expressed safety concerns associated with potential shifts in commercial traffic

– – –	Federal/State Boundary
☐	BOEM OCS Blocks
☐	NYSERDA Initial Zones

BOEM Lease Areas

Statoil Wind US LLC, OCS-A 0512

Bay State Wind LLC, OCS-A 0500

Offshore MW LLC, OCS-A 0501

US Wind Inc., OCS-A 0499

Ocean Wind LLC, OCS-A 0498

	Legend
- - -	Federal/State Boundary
	BOEM OCS Blocks
────	15 NM Buffer from Coast
────	NYSERDA Initial Zones
────	-60 m Depth Contour
	DoD Wind Exclusion
	Scallop Rotational Area

BOEM Lease Areas

	Statoil Wind US LLC, OCS-A 0512
	Bay State Wind LLC, OCS-A 0500
	Offshore MW LLC, OCS-A 0501
	US Wind Inc., OCS-A 0499
	Ocean Wind LLC, OCS-A 0498

Traffic Separation Scheme

	Precautionary Area
	Separation Zone
	Shipping Safety Fairway
	Traffic Lane
	5 nmi Extension of TSS
	30 nmi Extension of TSS

Federal/State Boundary (dashed blue line)	
BOEM OCS Blocks	
15 NM Buffer from Coast (orange line)	
NYSERDA Initial Zones (green outline)	
-60 m Depth Contour (blue line)	
Proposed Call Areas	
DoD Wind Exclusion	
Scallop Rotational Area	

BOEM Lease Areas

Statoil Wind US LLC, OCS-A 0512

Bay State Wind LLC, OCS-A 0500

Offshore MW LLC, OCS-A 0501

US Wind Inc., OCS-A 0499

Ocean Wind LLC, OCS-A 0498

Traffic Separation Scheme

Precautionary Area

Separation Zone

Shipping Safety Fairway

Traffic Lane

5 nmi Extension of TSS

30 nmi Extension of TSS

Legend:

- − − − Federal/State Boundary
- ☐ BOEM OCS Blocks
- ☐ Removed Areas
- ☐ Call Areas

BOEM Lease Areas

- ☐ Statoil Wind US LLC, OCS-A 0512
- ☐ Bay State Wind LLC, OCS-A 0500
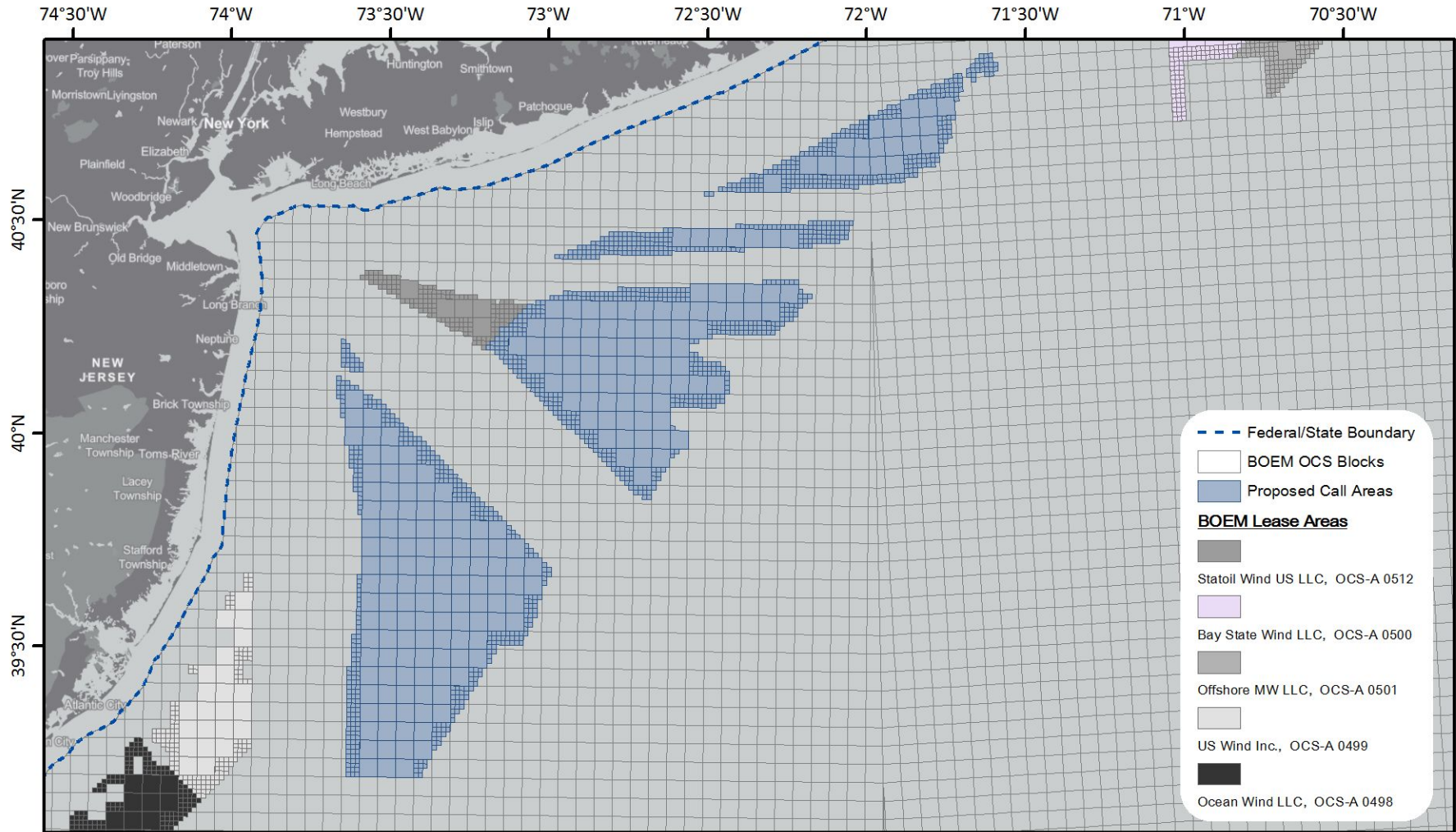- ☐ Offshore MW LLC, OCS-A 0501
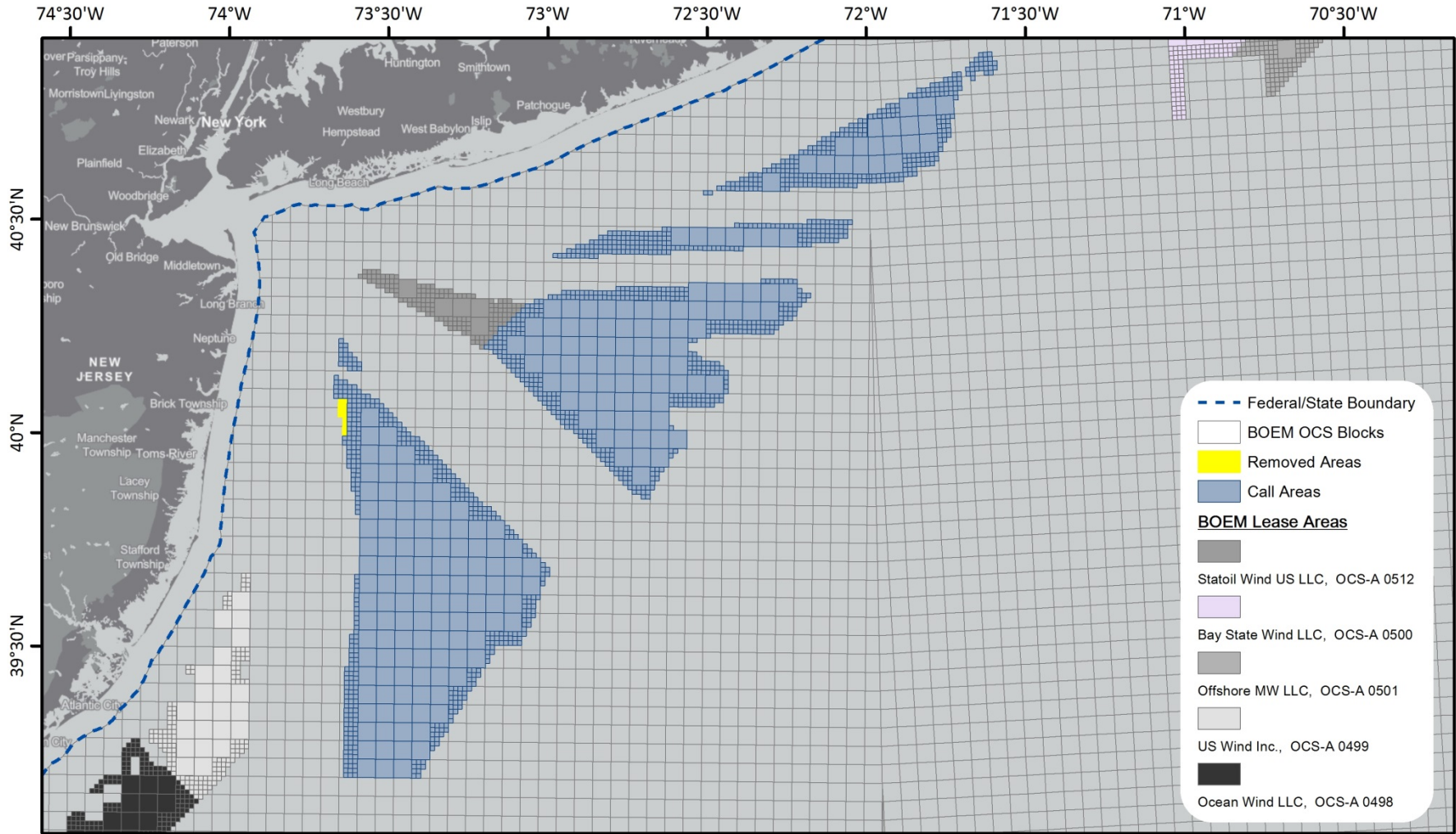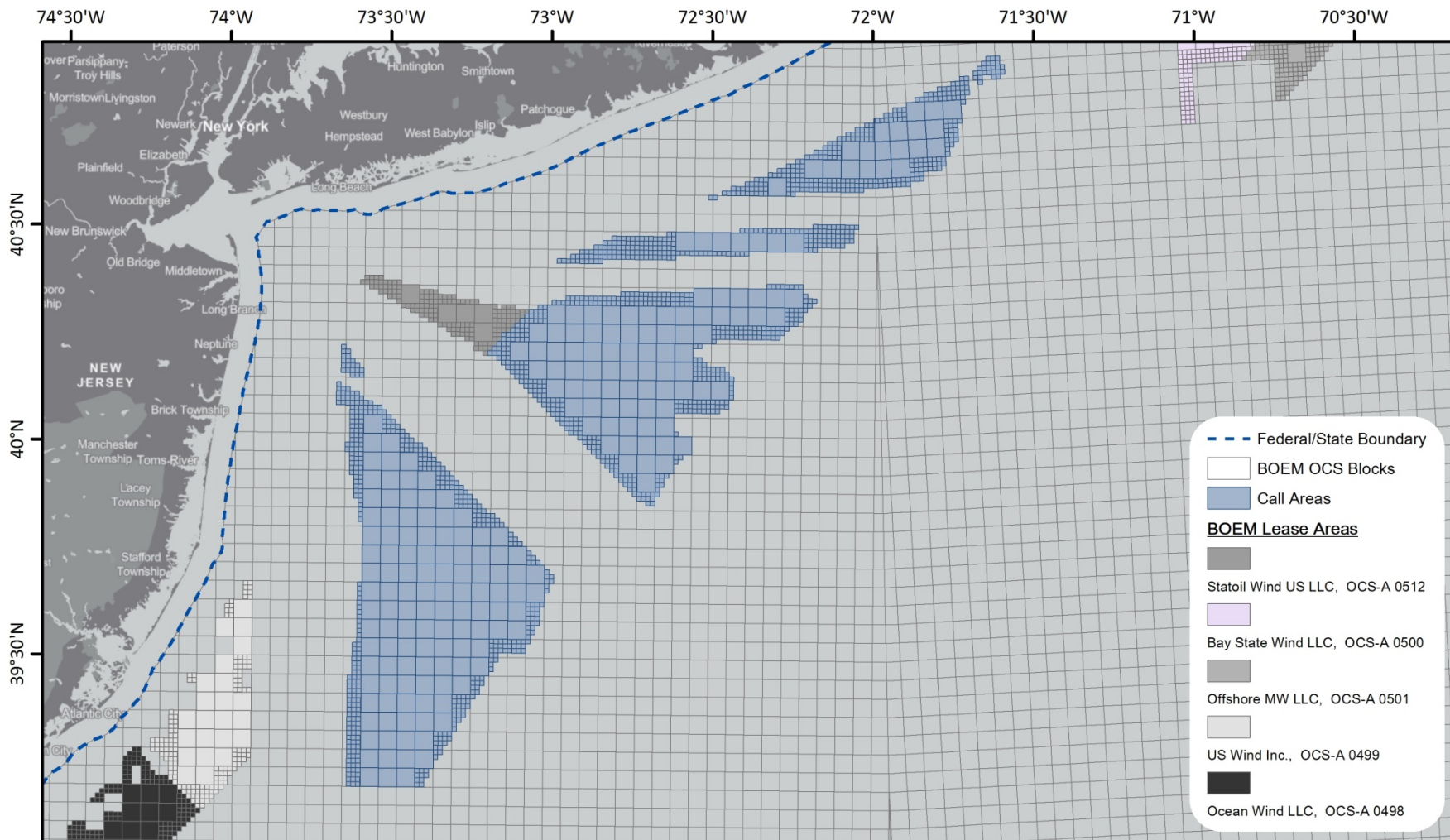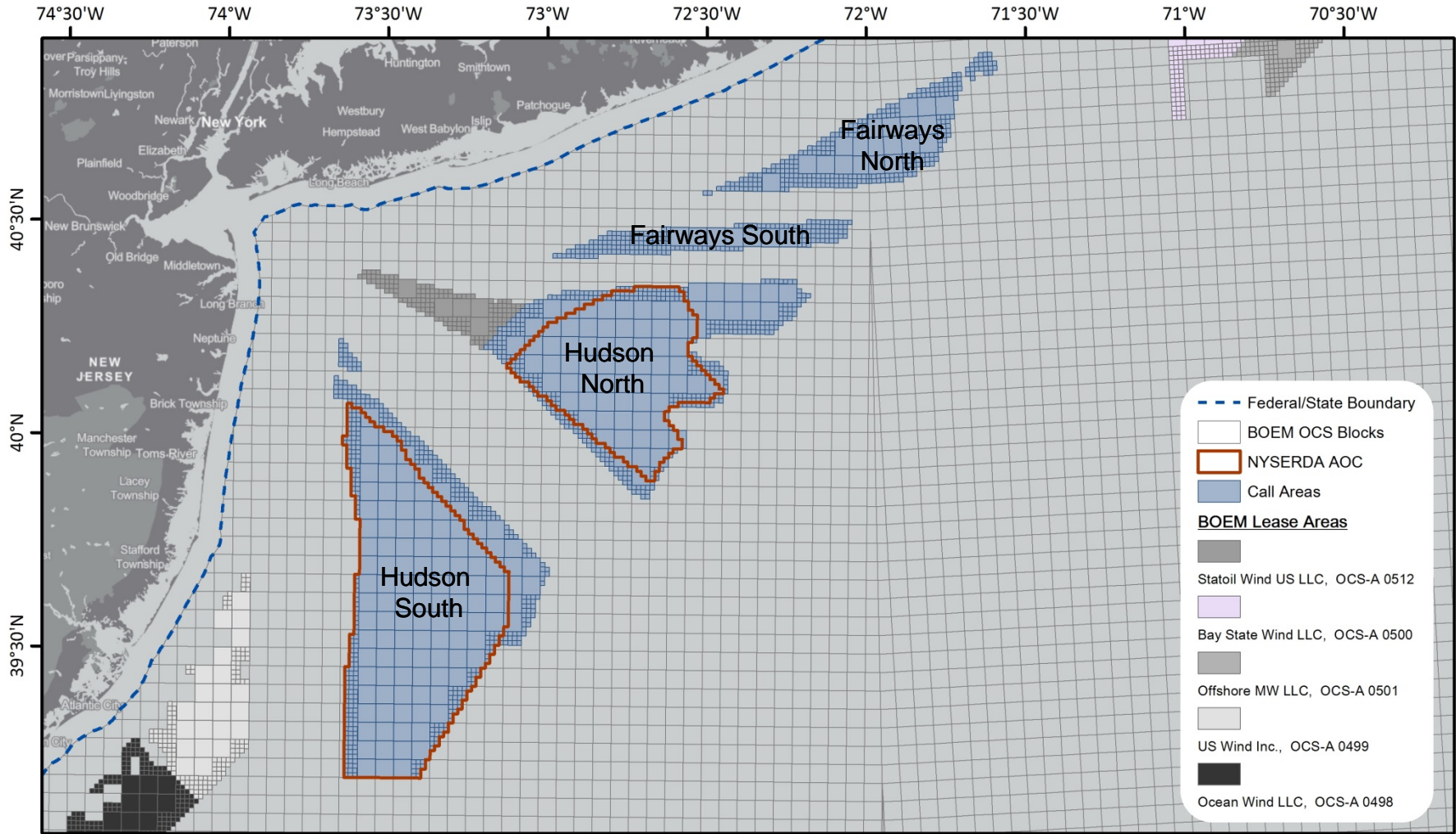- ☐ US Wind Inc., OCS-A 0499
- ☐ Ocean Wind LLC, OCS-A 0498

Call for Information & Nominations: Input Requested

- General conditions:
  - Geological, geophysical, biological

- Ways to mitigate **visual impacts**

- **Conflicting uses** within the Call Areas

- Transit corridors related to **fishing activities**

Call for Information & Nominations: Input Requested

- Potential **radar interference** in Call Areas

- Interest in **backbone transmission** system

- Potential **buffers** between WEAs

- **Size, number** of WEAs within Call Areas

- **Biologically** important areas

How to Submit Comments

- Comments must be submitted / postmarked by **May 29, 2018**

  ▪ On **www.regulations.gov**, search using keyword **BOEM-2018-0004**

  ▪ In written form, by **hand or mail delivery** to:

  > Bureau of Ocean Energy Management
  > 45600 Woodland Road, VAM-OREP
  > Sterling, Virginia 20166

  ▪ More information: **www.boem.gov/NY-Bight**

Area Identification (Wind Energy Areas)

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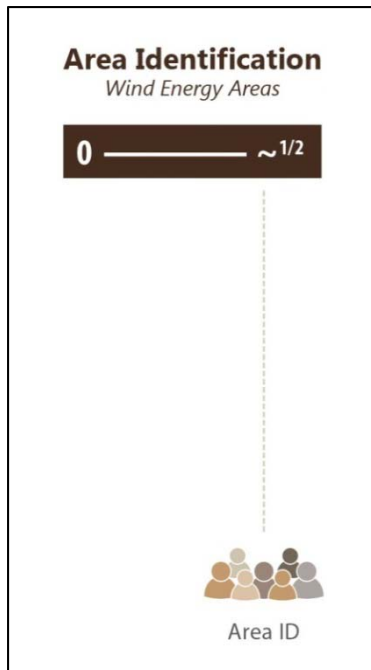
Area ID

Area Identification (ID)

- Identify areas for environmental analysis and consideration for leasing

- Information considered

- Balancing multiple factors

- Stakeholder outreach

Area Identification: Analysis

- **Preliminary analysis**

- Stakeholder Input

- Area ID Strategy

- Recommendations for **addressing conflicts**:

  - Modifications to the area(s)

  - Issue-specific mitigation

  - Informs alternatives for future NEPA document

Area Identification: Next Steps

- **Review comments** received (in response to the Call)

- Incorporate stakeholder input

- Refine existing analysis

- Create heat maps

- Develop a **Decision Memo**

- Announce **Wind Energy Areas**

Questions?

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703-787-1705