

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

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Office of Renewable Energy Programs



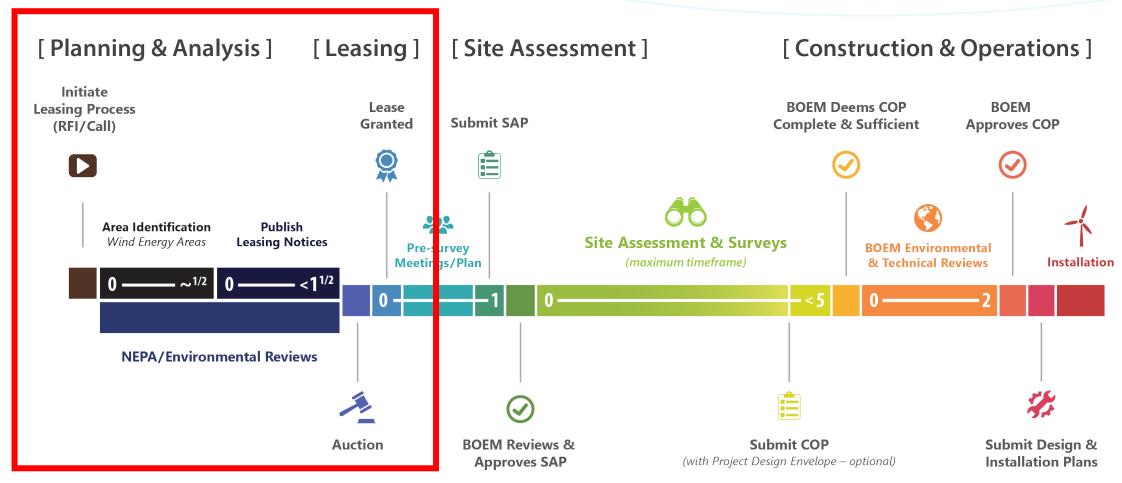
## Agenda

- BOEM Process
- Wind Energy Areas
- Proposed Lease Areas
- Questions and Conversation



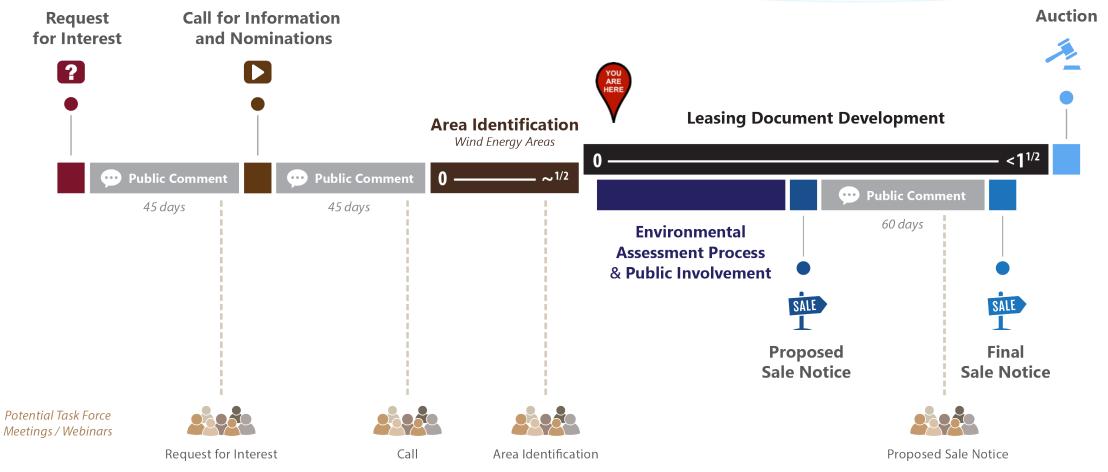


## Renewable Energy Process: From RFI/Call to Operation





## Request for Interest to Lease Sale



## **Call for Information and Nominations**

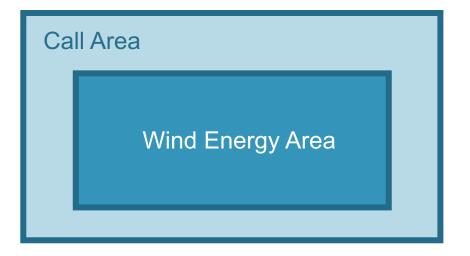
#### Request comments on:

- Areas for special consideration and analysis
- Conditions in the Call Area
- Areas to be considered for leasing



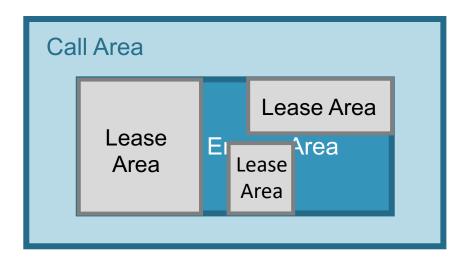
## Wind Energy Area

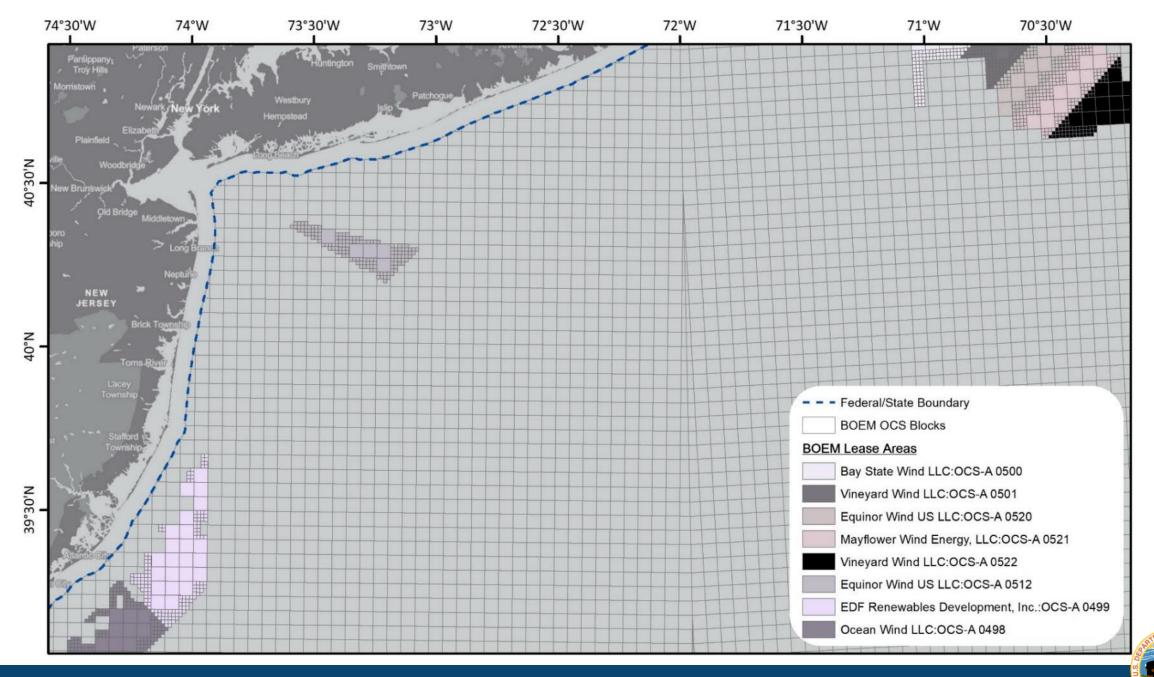
- A portion of the Outer Continental Shelf (OCS) identified by BOEM for NEPA analysis (Environmental Assessment)
- The basis for a Lease Area

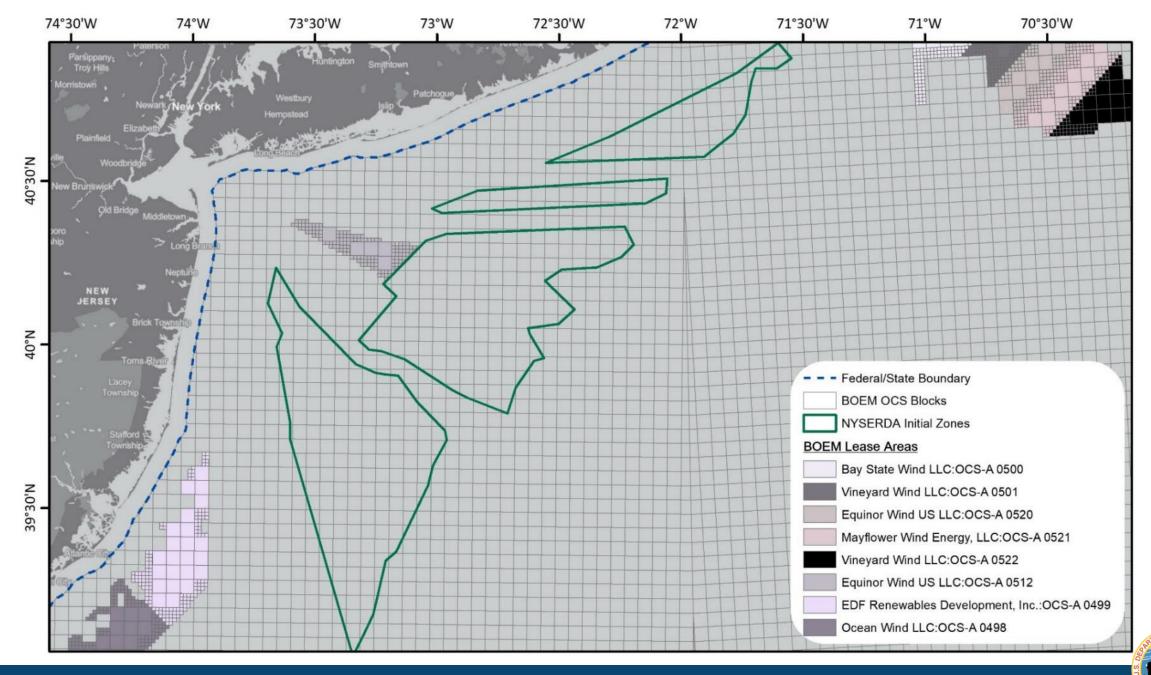


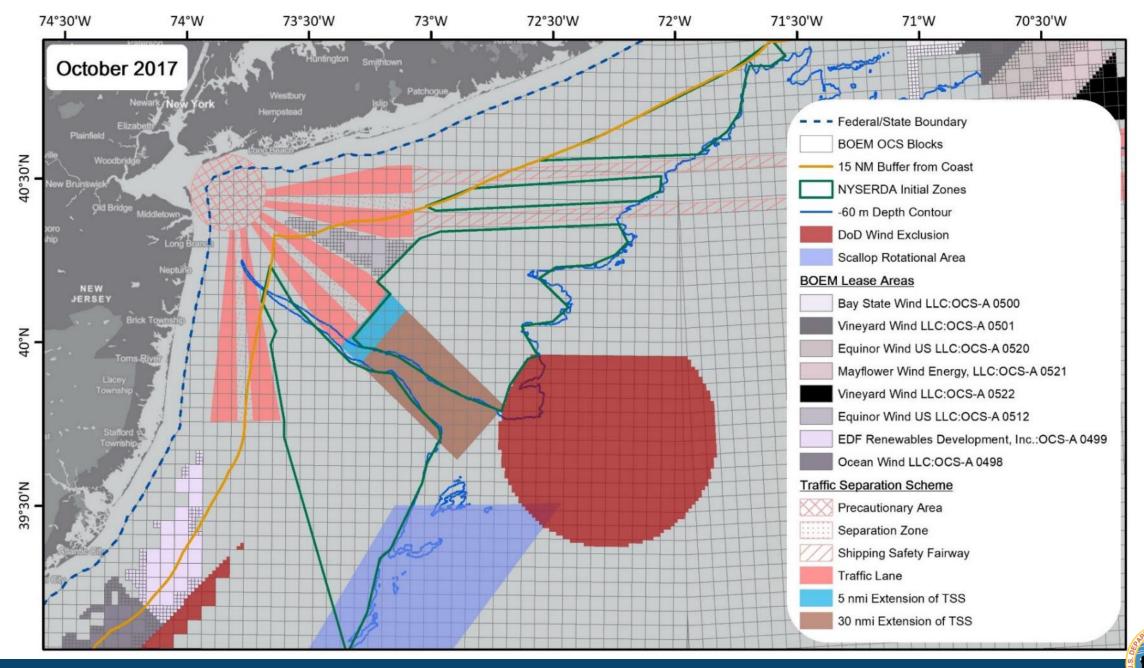
## **Lease Areas**

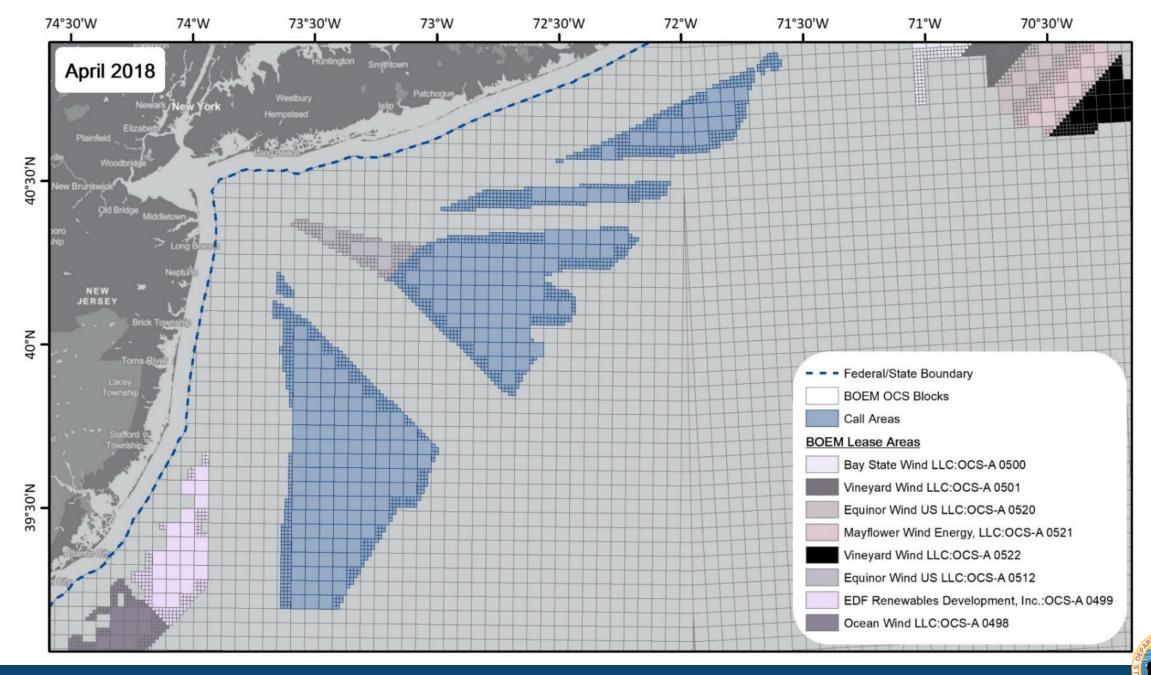
 Wind Energy Areas have the potential for further division into Lease Areas

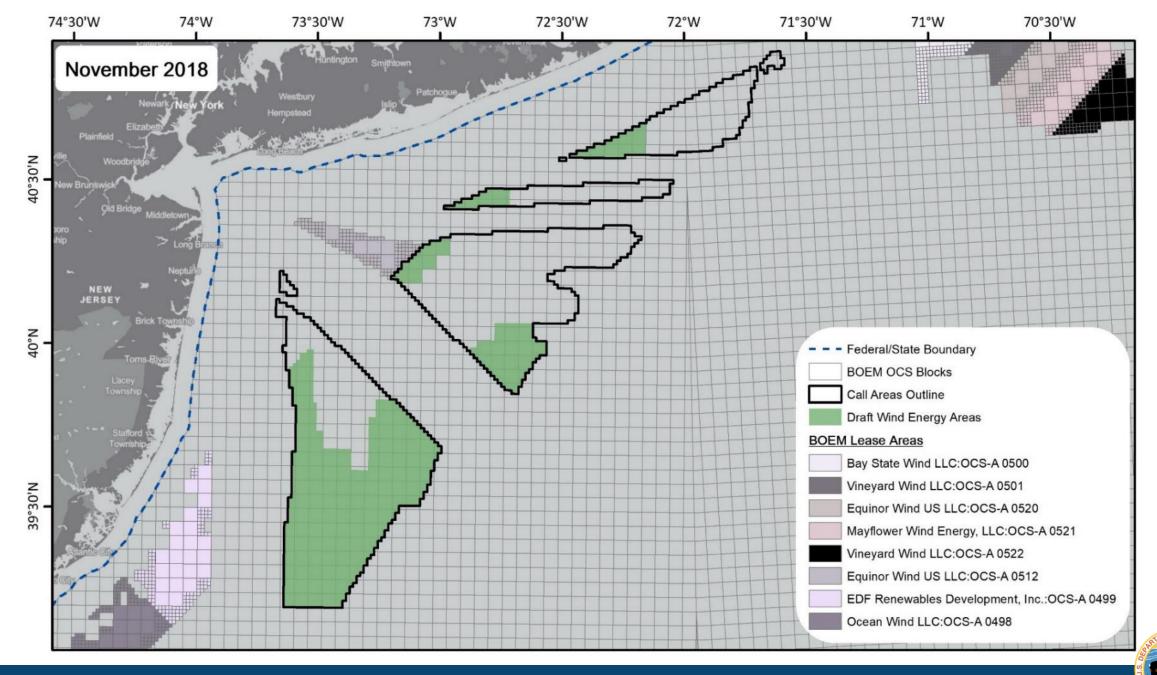


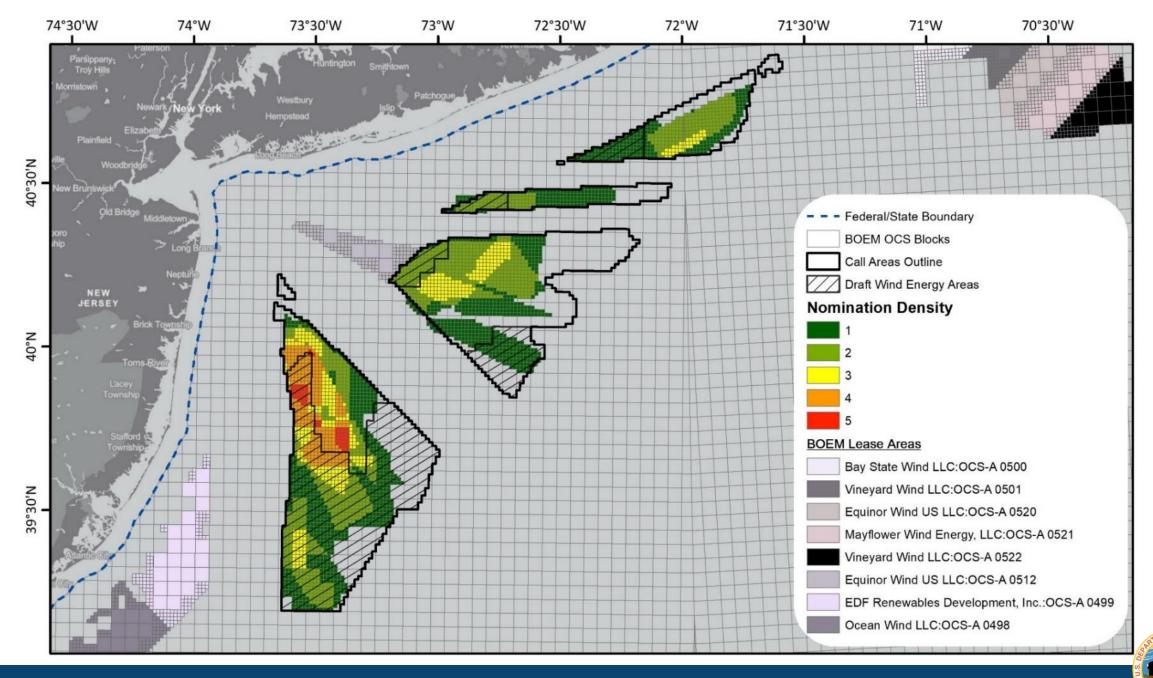


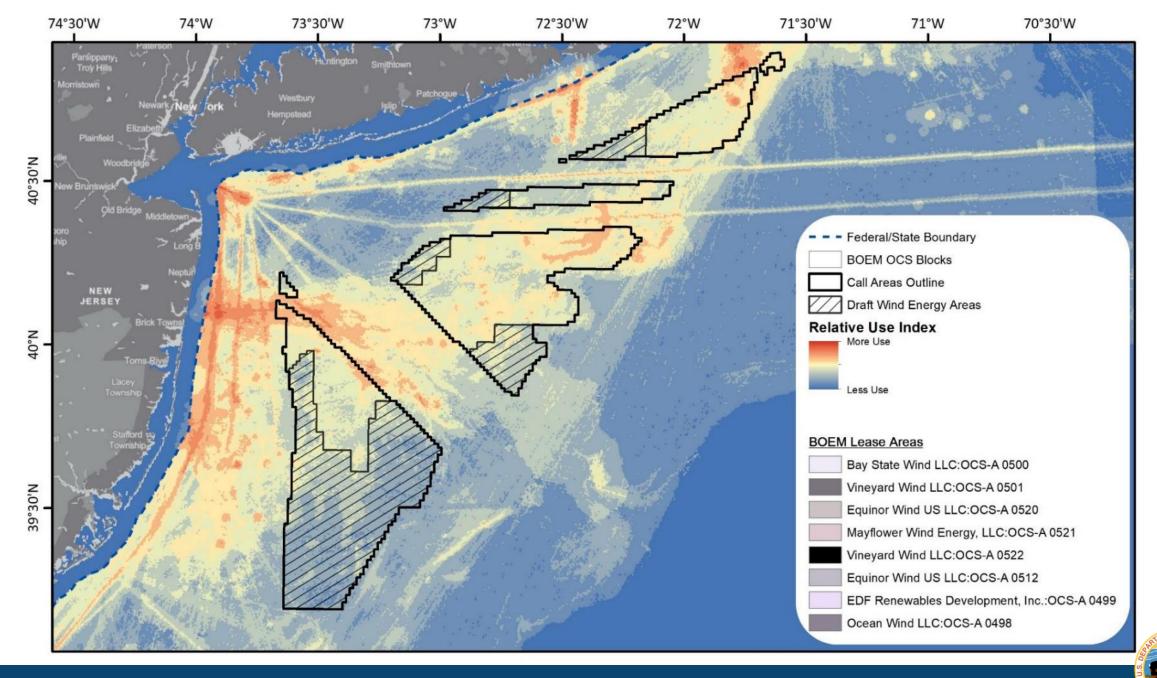


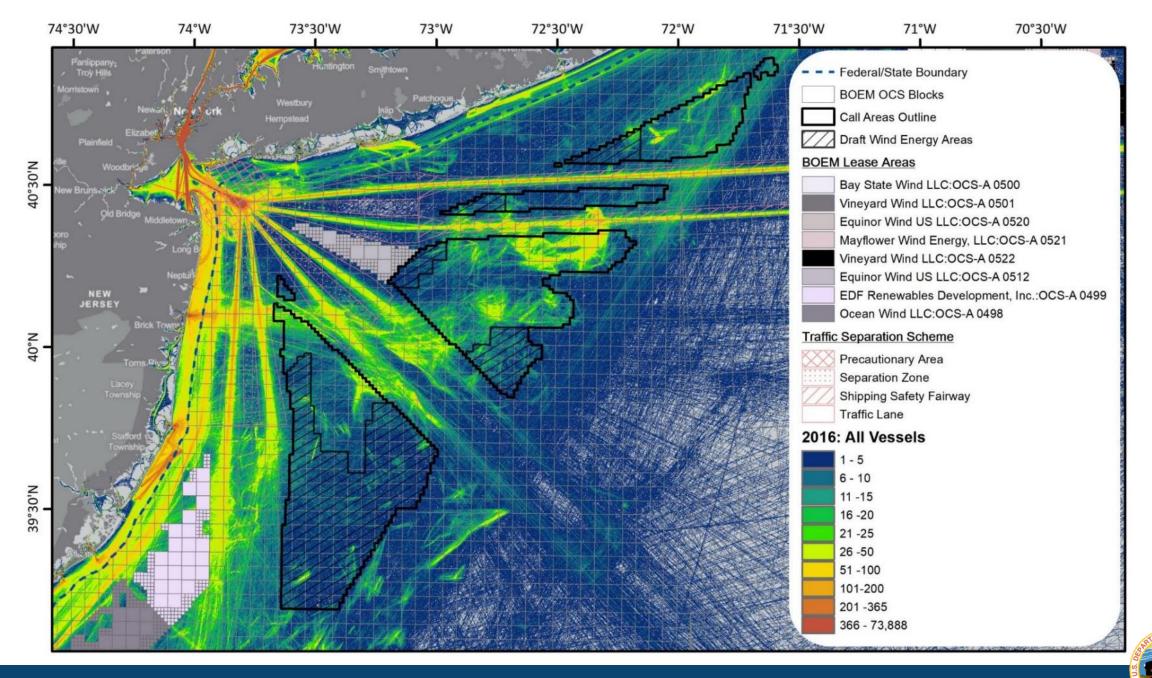


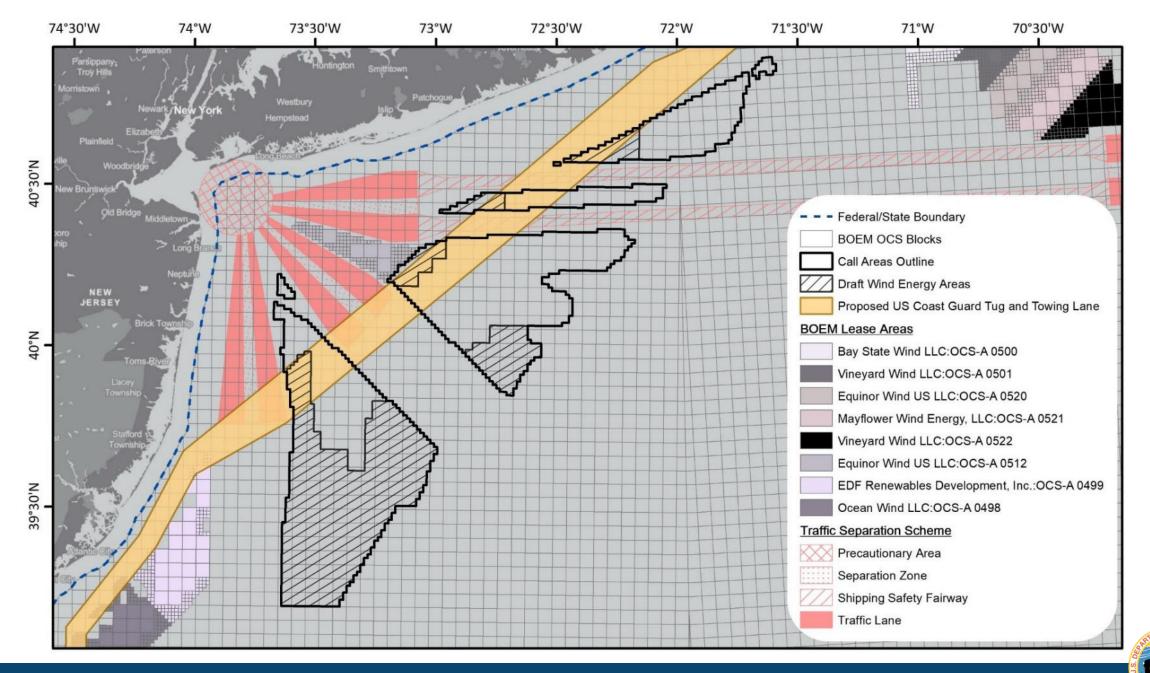


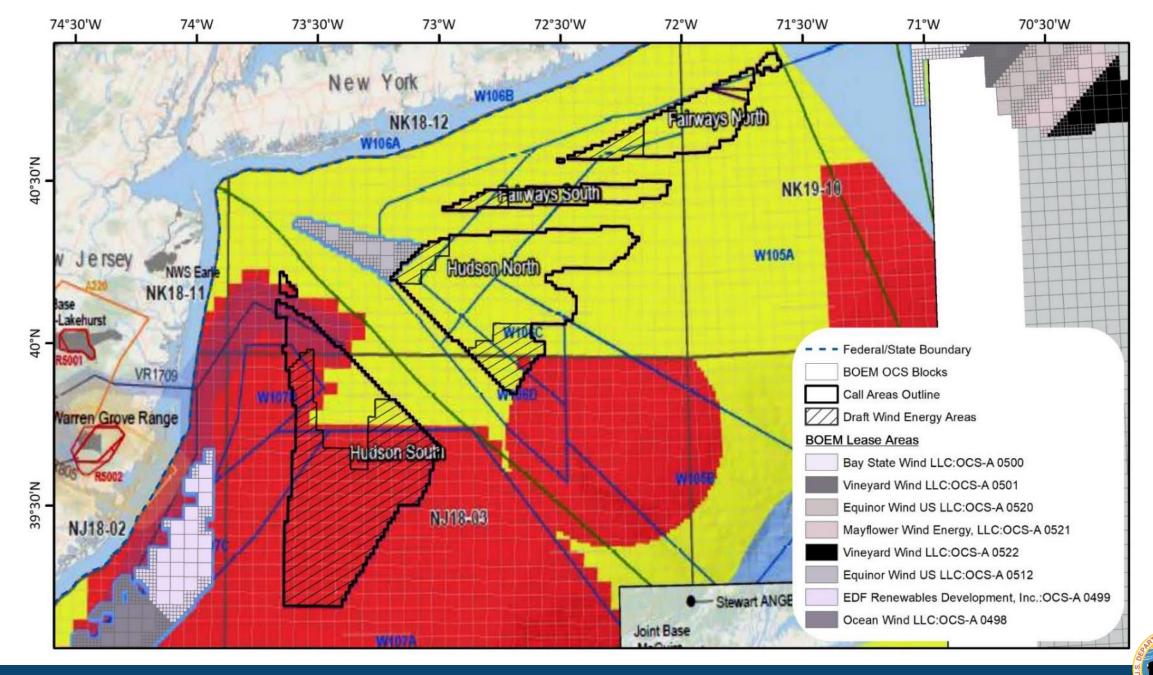


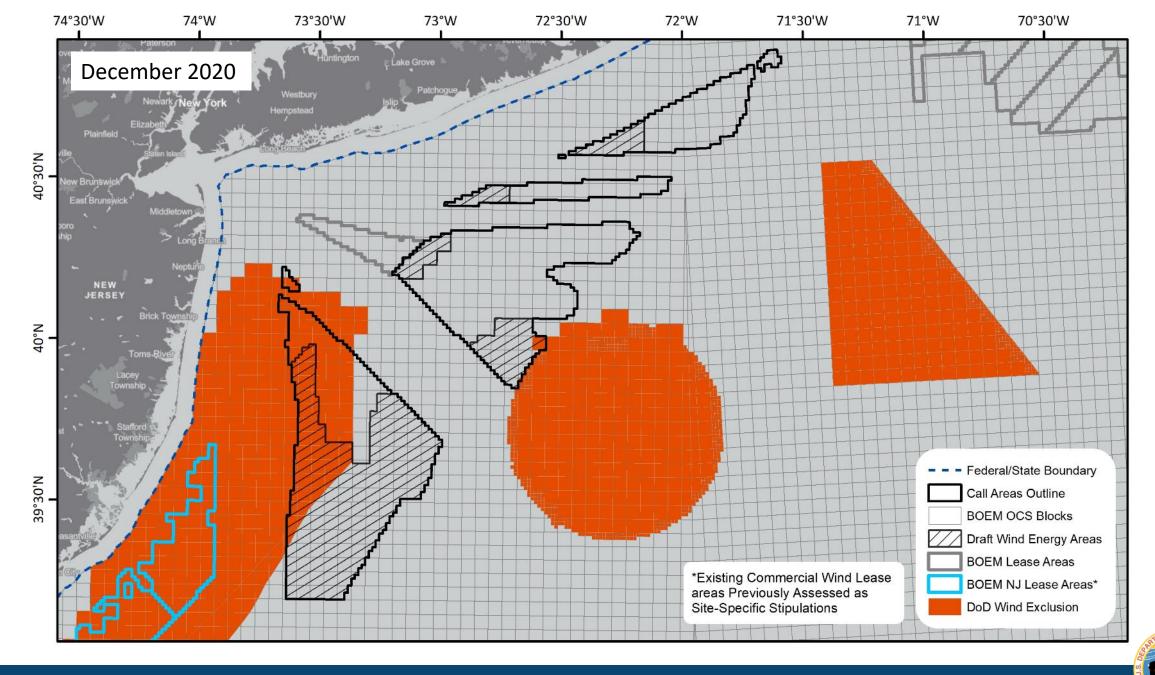




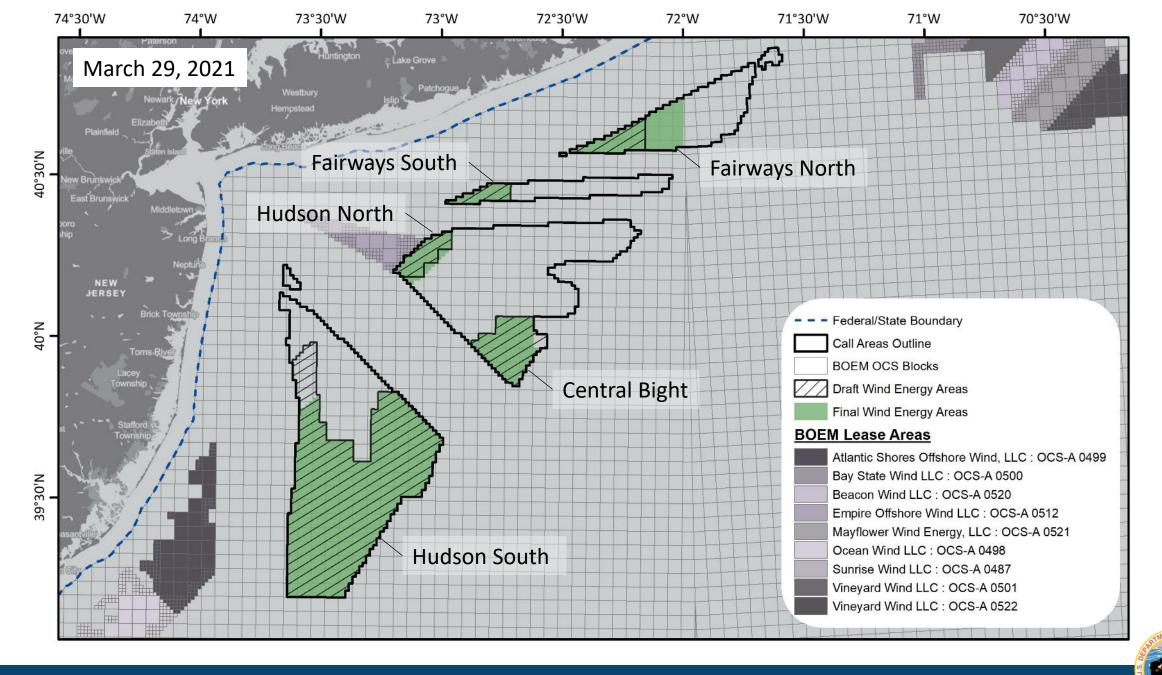










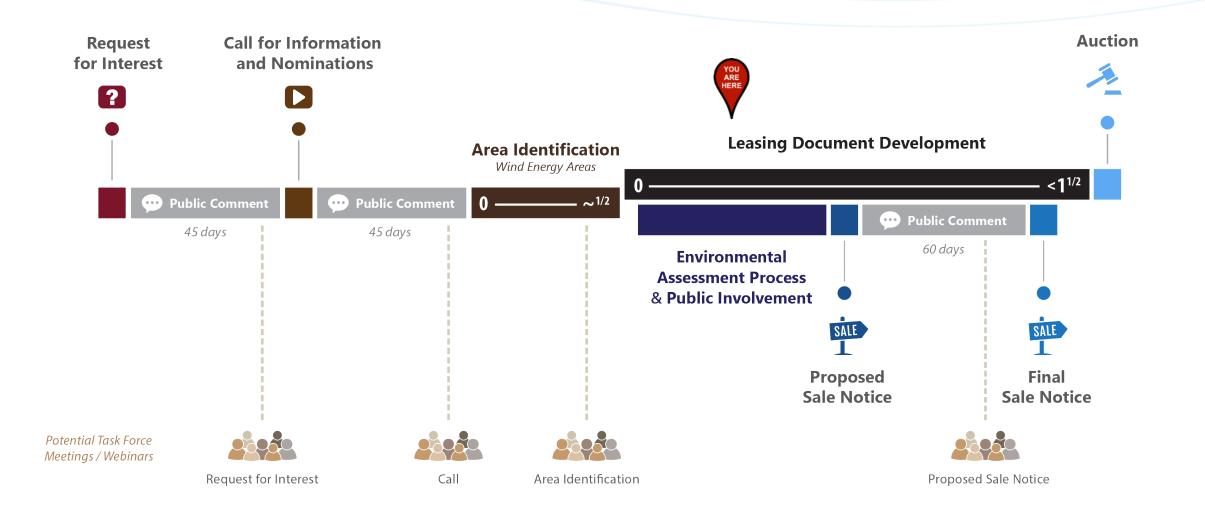




## **Pause for Poll**

Click the link in the chat

## Request for Interest to Lease Sale



## **Environmental Assessment**

## **Assesses Environmental Effects Associated with Leasing**

- Site Characterization Activities
  - biological, geological, geotechnical, and archaeological surveys
- Site Assessment Activities
  - meteorological and oceanographic buoy deployment

#### Comment Period ends April 28, 2021

- Docket No. BOEM-2021-0021
- Builds upon prior EA's completed in the Region



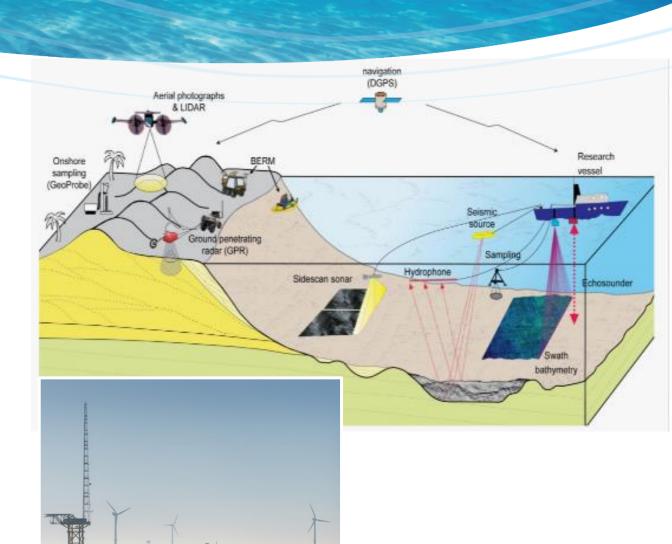
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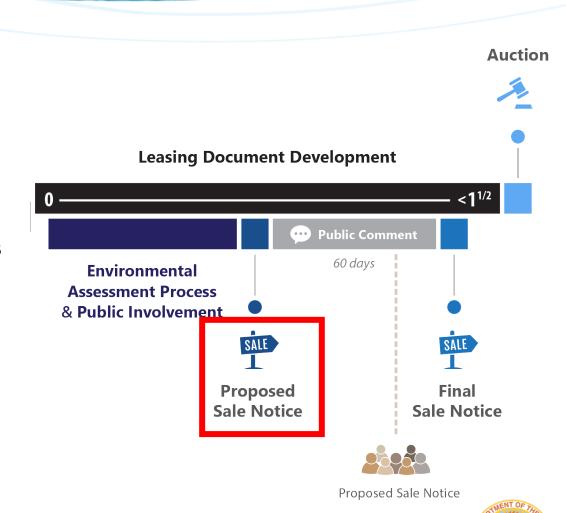


## Proposed Sale Notice

#### What is in a PSN?

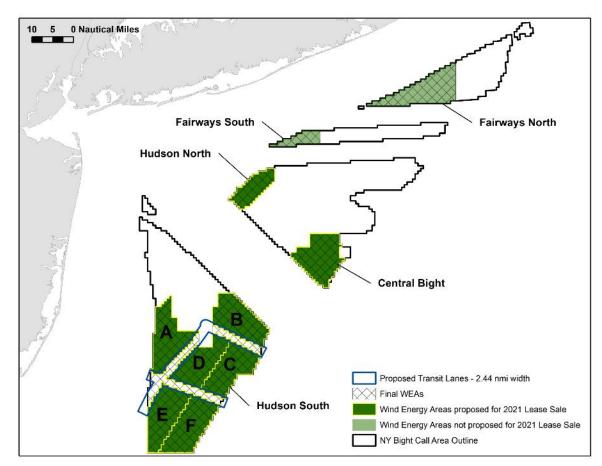
- Area for leasing
- Fiscal terms
- Auction details and format
- Proposed lease terms
- Last opportunity to submit company qualification materials
  - Legal
  - Technical
  - Financial
- Nonmonetary factors

#### **Auction Seminar for potential bidders**



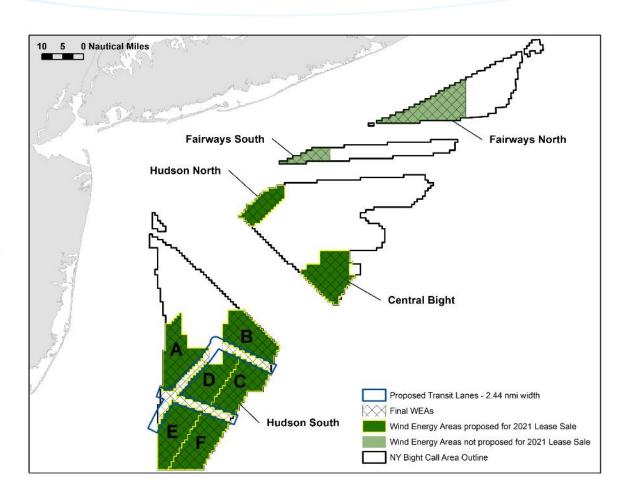
#### **Proposed Lease Areas**

- Represents a balance between existing users and emerging industry
- Eight areas
  - 627,000 acres
  - 7.6+ GW, conservatively
  - ~2.7 million homes powered
- Fairways North and South
  - Not considered for leasing, in part, due to maritime traffic, proposed fairway, commercial fisheries, commercial viability



#### Proposed Lease Areas: Hudson North and HS-A

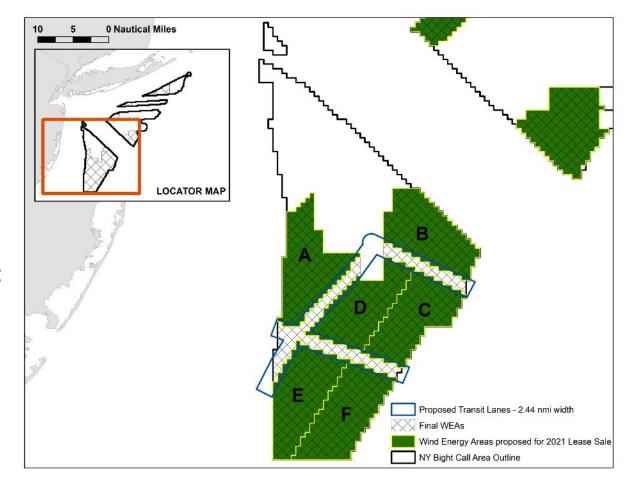
- Aware of outstanding conflicts
  - Hudson North USCG Proposed Tug Tow
     Lane
  - HS-A DOD Activities
- BOEM looks forward to working with the Task Force to identify a path forward.



#### **Hudson South**

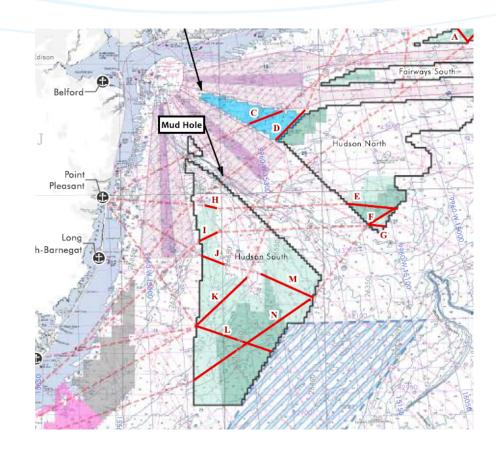
#### Hudson South was subdivided so each area:

- is of roughly equal commercial viability and size;
- includes transit lanes to account for vessel
   traffic patterns, fisheries, and DoD concerns;
- is laid out in a manner to reduce wake effect;
   and
- facilitates fair return to the government pursuant to the Outer Continental Shelf Lands Act.



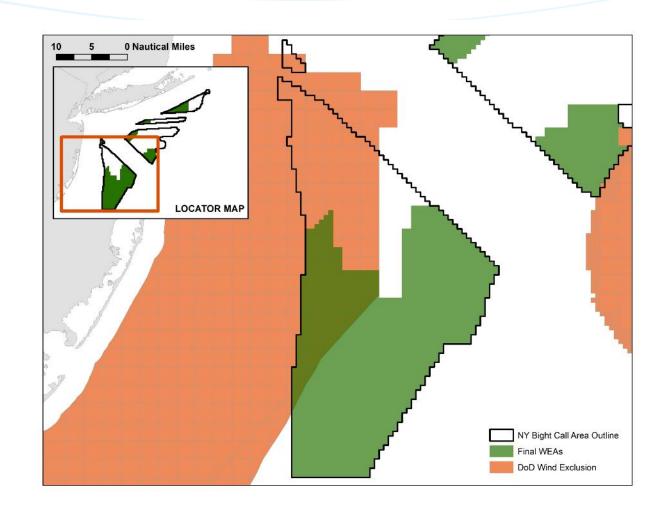
#### **Hudson South:** Transit Lanes

- NYSERDA, NYSDEC, and RODA Workshop and Outreach Summary
  - June 2020
- Transit Lanes Width
  - 2.44 nmi wide
  - Permanent International Association of Navigation Congress (PIANC)
  - Areas of overlap no surface occupancy

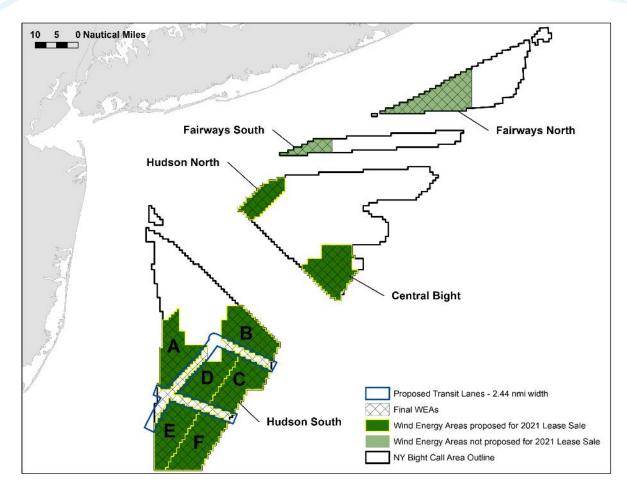


#### DoD overlap

- Working to understand training activities and determine if there is an opportunity for co-existence
- Transit lane aligned with border



### Proposed Lease Areas: By the Numbers



Lease Area	Acres	Installation Capacity (MW) <sup>1</sup>	Homes powered <sup>2</sup>	Power Production (MWh/yr) <sup>3</sup>
Central Bight	84,688	1,028	359,857	3,602,678
Hudson North	43,056	523	182,954	1,831,628
HS-A	85,755	1,041	182,954	3,648,088
HS-B	84,332	1,024	358,344	3,587,533
HS-C	80,062	972	340,200	3,405,885
HS-D	76,504	929	325,081	3,254,525
HS-E	85,044	1,032	361,369	3,617,822
HS-F	87,890	1,067	373,462	3,738,893
Total	627,331	7,616	2,665,659	26,687,052

Megawatts (MW) based upon 3MW/sqkm. Note this energy density conversion ratio is conservative, BOEM is reviewing COPs for projects with twice the energy density used here.

<sup>2</sup> Based upon 350 homes per MW

<sup>[3]</sup> Megawatt hours per year (MWh/yr) Formula = Capacity (MW) \* 8760 (hrs/yr) \* 0.4 (capacity factor)

## **New York Bight Milestones**

Milestone	Action	Target Date	
Environmental Assessment	NOA Draft EA	July 2021	
	30-Day Comment Period	July-August 2021	
	NOA Final EA/FONSI	September 2021	
Proposed Sale Notice	Publish PSN	June 2021	
	60-Day Comment Period	June - August 2021	
Final Sale Notice	Publish FSN	Fall 2021	
	Minimum 30-Day Waiting Period		
Lease Sale	Sale Date	Late 2021 or Early 2022	

#### **Questions for Task Force Consideration**

## 1. Number, size, orientation, and location of the proposed lease areas

- which lease areas, if any, should be prioritized for inclusion, or exclusion, from this lease sale and/or future lease sales
- Alternative subdivisions

#### 2. Transit Corridors

Reflections on proposed transit corridors

