

## BOEM Lease Areas

Shapefile



### Tags

Proposed Sale Notice, PSN, Final Sale Notice, FSN, Lease Area, BOEMRE, MMS, BOEM, Bureau of Ocean Energy Management, Offshore Wind, Marine Hydrokinetic, MHK, Cape Wind, Massachusetts, New Jersey, Rhode Island, RIMA, Delaware, Maryland, Virginia, New York, Research Lease, Right-of-Way Grant, Easement, Commercial Lease, Interim Policy, IP Lease, Atlantic, Mid Atlantic, North Atlantic, NGDA Portfolio Themes, National Geospatial Data Asset, NGDA, Cadastre Theme

### Summary

Active renewable energy leasing areas on the Atlantic OCS. Currently active leases and grants include:

Commercial Leases: Cape Wind offshore Cape Cod Massachusetts, Rhode Island / Massachusetts (RIMA), Rhode Island, Massachusetts, Delaware, Maryland, New Jersey, Virginia, New York

Research Lease: Virginia

ROW Grant: Rhode Island

### Description

#### Cape Wind

The Cape Wind Energy Project was proposed by Cape Wind Associates, LLC, in November 2001. Prior to BOEM's involvement, the United States Army Corps of Engineers assumed the lead federal regulatory role under the River and Harbors Act, and issued a draft Environmental Impact Statement (EIS) in November 2004. Following the Energy Policy Act of 2005, the former Minerals Management Service assumed lead federal responsibility for offshore wind power projects. On September 14, 2005, Cape Wind applied for a commercial lease to construct and operate an offshore wind facility located in Federal waters offshore Cape Cod, Massachusetts, on Horseshoe Shoal in Nantucket Sound. On April 28, 2010, Department of the Interior Secretary Salazar announced the availability of the Record of Decision (ROD) for the Cape Wind Project. The ROD documents the decision to select the Preferred Alternative at Horseshoe Shoal in Nantucket Sound, as described in the final Environmental Impact Statement.

On October 6, 2010, Cape Wind was issued the nation's first commercial lease to construct and operate an offshore wind power facility for the Massachusetts and the Cape Cod region. The lease area is comprised of approximately 46 square miles in Nantucket Sound offshore Massachusetts, which accounts for both the project area and a buffer zone.

For more information: <http://www.boem.gov/Renewable-Energy-Program/Studies/Cape-Wind.aspx>

#### Massachusetts

On Jan. 29, 2015, BOEM held a competitive lease sale (i.e., auction) for the Wind Energy Area offshore Massachusetts. Two leasing areas in the northwest section of the original WEA (Lease

Area OCS-A 0500 - 187,523 acres and OCS-A 0501 - 166,886 acres) were auctioned to the winning bidders of RES America Developments Inc. and Offshore MW LLC. On June 12, 2015 lease OCS-A 0500 was assigned to Bay State Wind LLC (DONG Energy).

For more information: <http://www.boem.gov/Commercial-Wind-Leasing-Offshore-Massachusetts/>

### **Rhode Island / Massachusetts**

On July 31, 2013, BOEM auctioned the Rhode Island/Massachusetts WEA, which represented our nation's first competitive lease sale. BOEM auctioned the area as two leases, referred to as the North Lease Area (Lease OCS-A 0486) and the South Lease Area (Lease OCS-A 0487). The North Lease Area consisted of about 97,500 acres and the South Lease Area consisted of about 67,250 acres. On October 1, 2013 leases for both areas became effective with Deepwater Wind New England LLC as the lessee.

Leases:

North Lease Area - OCS-A 0486 - approximately 97,500 acres: [Commercial Lease OCS-A 0486](#)

South Lease Area - OCS-A 0487 - approximately 67,250 acres: [Commercial Lease OCS-A 0487](#)

### **Rhode Island**

On December 1, 2014 a Right-of-Way Grant (ROW) offshore Rhode Island with Deepwater Wind Block Island Transmission, LLC became effective. The eight nautical mile-long, 200-foot wide corridor in federal waters on the Outer Continental Shelf (OCS) connects a proposed offshore wind farm, located in Rhode Island state waters approximately 2.5 nautical miles southeast of Block Island, to the Rhode Island mainland. On January 29, 2015 BOEM approved an assignment of ROW grant OCS-A 0506 from Deepwater Wind to The Narragansett Electric Company (TNEC).

For more information: <http://www.boem.gov/Renewable-Energy-Program/State-Activities/RI/Block-Island-Transmission-System.aspx>

### **Delaware**

Secretary Salazar announced on October 23, 2012 that BOEM has reached agreement on a commercial wind energy lease with Bluewater Wind Delaware, LLC for an area of the OCS offshore Delaware.

The Delaware Notice of Determination of No Competitive Interest (DNCI) was published in the *Federal Register* on April 12, 2011 under Docket ID: BOEM-2011-0008.

The Delaware Notice of Proposed Lease Area and Request for Competitive Interest (RFCI) was published in the *Federal Register* on January 26, 2011 under Docket ID: BOEMRE-2010-0075

For more information: <http://www.boem.gov/Renewable-Energy-Program/State-Activities/Delaware.aspx>

### **Maryland**

In November 2010, the Bureau of Ocean Energy Management (BOEM) initiated the leasing process offshore Maryland by issuing a Request for Interest (RFI) to gauge industry's interest in obtaining commercial wind leases in an area offshore of Maryland. The western edge of the Call Area is approximately 10 nautical miles from the Ocean City, Md., coast, and the eastern edge is approximately 23 nautical miles from the same location. The longest part of the north/south

portion is approximately 13 nautical miles and the longest part of the east/west portion is approximately 13 nautical miles. The entire area is approximately 32,256 hectares (79,706 acres).

Federal Register notices:

11/09/2010 – [Request for Interest\(RFI\)](#)

02/03/2012 – [Call for Information\(Call\)](#)

02/03/2012 - [Notice of Intent to Prepare an Environmental Impact Statement\(NOI\)](#)

12/18/2013 - [Proposed Sale Notice\(PSN\)](#)

07/03/2014 - [Final Sale Notice\(FSN\)](#)

For more information: [Maryland State Activities Home Page](#)

### **New Jersey**

On November 9, 2015, BOEM held Atlantic Wind Lease Sale Five (ATLW5) for the Wind Energy Area (WEA) offshore New Jersey. The New Jersey WEA includes about 343,833 acres. It begins about 7 nautical miles offshore and extends roughly 21 nm seaward. BOEM auctioned the area as two leases: Lease OCS-A 0498 (South Lease Area) and Lease OCS-A 0499 (North Lease Area). The South Lease Area consists of 160,480 acres and the North Lease Area consists of 183,353 acres.

Federal Register notices:

04/20/2011 – [Call for Information](#)

07/17/2014 [Proposed Sale Notice](#)

09/25/2015 - [Final Sale Notice](#)

11/09/2015 [Lease Sale](#)

For more information: [New Jersey State Activities Home Page](#)

### **New York**

On December 15, 2016, BOEM held Atlantic Wind Lease Sale Six (ATLW6) for Lease Area OCS-A 0512 Offshore New York. The provisional winner of the lease sale is Statoil Wind US LLC. The lease area is located 11.5 nautical miles from Jones Beach, NY. From its western edge, the area extends approximately 24 nmi southeast at its longest portion and consists of 5 full OCS blocks and 143 sub-blocks. The entire area is approximately 79,350 acres, or 32,112 hectares.

Federal Register Notices:

01/04/2013 - [Request for Interest\(RFI\)](#)

05/28/2014 - [Call for Information](#)

05/28/2014 - [Notice of Intent to Prepare an Environmental Assessment](#)

03/16/2016 - [Wind Energy Area Announcement](#)

06/06/2016 - [Proposed Sale Notice\(PSN\)](#)

06/06/2016 - [Environmental Assessment\(EA\)](#)

10/31/2016 - [Final Sale Notice\(FSN\)](#)

10/31/2016 - [Revised Environmental Assessment\(EA\)](#)

For more information: [New York State Activities Home Page](#)

## **Virginia**

A commercial lease with Virginia Electric and Power Company (dba Dominion Virginia Power) for the Virginia Wind Energy Area went into effect on November 1, 2013. The commercial lease sale (i.e., auction) for this lease was held September 4, 2013, representing the second competitive lease sale for renewable energy on the Outer Continental Shelf (OCS). The area covers approximately 112,799 acres and its western edge is located about 23.5 nautical miles from the Virginia Beach coastline.

For more information: [Virginia Commercial Lease Web Page](#)

## **Research Lease Virginia**

On March 24, 2015, BOEM announced it has executed the first wind energy research lease in U.S. federal waters with the Commonwealth of Virginia's Department of Mines, Minerals and Energy (DMME). This project is referred to as the Virginia Offshore Wind Technology Advancement Project (VOWTAP).

On March 23, 2016, BOEM approved the project's Research Activities Plan (RAP). In conjunction with RAP approval, the project easement requested in the RAP was also granted. The project easement consists of a 200ft corridor from the lease area landward to the Submerged Lands Act Boundary (federal/state line). [RAP Approval - Easement](#)

For more information: <http://www.boem.gov/VOWTAP/>

## **Credits**

Josh Wadlington - Bureau of Ocean Energy Management

## **Use limitations**

None - Public

## **Extent**

**West** -75.903466    **East** -70.221044  
**North** 41.551403    **South** 36.805555

## **Scale Range**

**Maximum (zoomed in)** 1:5,000  
**Minimum (zoomed out)** 1:150,000,000

## **Topics and Keywords** ▶

THEMES OR CATEGORIES OF THE RESOURCE boundaries, economy, environment, location, oceans, planning  
Cadastre, society, structure

\* CONTENT TYPE Downloadable Data  
EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION No

## Citation ►

TITLE BOEM Lease Areas  
CREATION DATE 2016-03-22 00:00:00

PRESENTATION FORMATS \* digital map  
FGDC GEOSPATIAL PRESENTATION FORMAT vector digital data

## Resource Details ►

DATASET LANGUAGES \* English (UNITED STATES)  
DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

SPATIAL REPRESENTATION TYPE \* vector

\* PROCESSING ENVIRONMENT Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri  
ArcGIS 10.3.1.4959

CREDITS  
Josh Wadlington - Bureau of Ocean Energy Management

ARCGIS ITEM PROPERTIES  
\* NAME BOEM\_Lease\_Areas\_12\_15\_2016  
\* SIZE 0.189

## Extents ►

EXTENT  
GEOGRAPHIC EXTENT  
BOUNDING RECTANGLE  
EXTENT TYPE Extent used for searching  
\* WEST LONGITUDE -75.903466  
\* EAST LONGITUDE -70.221044  
\* NORTH LATITUDE 41.551403  
\* SOUTH LATITUDE 36.805555  
\* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM  
\* WEST LONGITUDE -75.903466  
\* EAST LONGITUDE -70.221044  
\* SOUTH LATITUDE 36.805555  
\* NORTH LATITUDE 41.551403  
\* EXTENT CONTAINS THE RESOURCE Yes

## Resource Points of Contact ►

POINT OF CONTACT

INDIVIDUAL'S NAME Josh Wadlington  
ORGANIZATION'S NAME Bureau of Ocean Energy Management  
CONTACT'S POSITION Geographer  
CONTACT'S ROLE originator

## Resource Maintenance ►

RESOURCE MAINTENANCE  
UPDATE FREQUENCY as needed

## Resource Constraints ►

CONSTRAINTS  
LIMITATIONS OF USE

None - Public

## Spatial Reference ►

ARCGIS COORDINATE SYSTEM

- \* TYPE Geographic
- \* GEOGRAPHIC COORDINATE REFERENCE GCS\_North\_American\_1983
- \* COORDINATE REFERENCE DETAILS  
GEOGRAPHIC COORDINATE SYSTEM  
WELL-KNOWN IDENTIFIER 4269  
X ORIGIN -400  
Y ORIGIN -400  
XY SCALE 1111948722.2222221  
Z ORIGIN -100000  
Z SCALE 10000  
M ORIGIN -100000  
M SCALE 10000  
XY TOLERANCE 8.9831528411952133e-009  
Z TOLERANCE 0.001  
M TOLERANCE 0.001  
HIGH PRECISION true  
LEFT LONGITUDE -180  
LATEST WELL-KNOWN IDENTIFIER 4269  
WELL-KNOWN TEXT  
GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433],AUTHORITY["EPSG",4269]]

REFERENCE SYSTEM IDENTIFIER

DIMENSION horizontal  
\* VALUE 4269  
\* CODESPACE EPSG  
\* VERSION 8.6.2

## Spatial Data Properties ►

VECTOR ►

- \* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

#### GEOMETRIC OBJECTS

FEATURE CLASS NAME BOEM\_Lease\_Areas\_12\_15\_2016  
\* OBJECT TYPE composite  
\* OBJECT COUNT 1527

## Data Quality ▶

SCOPE OF QUALITY INFORMATION ▶  
RESOURCE LEVEL dataset

DATA QUALITY REPORT - CONCEPTUAL CONSISTENCY ▶  
DIMENSION horizontal

#### CONFORMANCE TEST RESULTS

TEST PASSED Yes  
RESULT EXPLANATION

This dataset is believed to be free from errors, however inconsistencies are possible.

#### PRODUCT SPECIFICATION ▶

TITLE Visual Check  
CREATION DATE 2016-03-22 00:00:00

## Lineage ▶

#### LINEAGE STATEMENT

This dataset is subject to periodic revision and represents only the most recent version of the features displayed. Archival data about the history of the leasing areas is maintained by the Bureau of Ocean Energy Management, however it is not included in this dataset.

#### PROCESS STEP ▶

WHEN THE PROCESS OCCURRED 2016-03-22 00:00:00  
DESCRIPTION  
Visual inspection

## Distribution ▶

#### DISTRIBUTION FORMAT

\* NAME File Geodatabase Feature Class  
VERSION n/a

#### TRANSFER OPTIONS

\* TRANSFER SIZE 0.189

#### ONLINE SOURCE

LOCATION <http://www.boem.gov/Renewable-Energy-GIS-Data/>  
FUNCTION PERFORMED download

## Fields ▶

DETAILS FOR OBJECT [BOEM\\_Lease\\_Areas\\_12\\_15\\_2016](#) ▶

\* TYPE Feature Class  
\* ROW COUNT 1527  
DEFINITION  
BOEM Lease Areas

DEFINITION SOURCE  
BOEM

FIELD OBJECTID ►

\* ALIAS OBJECTID  
\* DATA TYPE OID  
\* WIDTH 4  
\* PRECISION 0  
\* SCALE 0  
\* FIELD DESCRIPTION  
Internal feature number.

\* DESCRIPTION SOURCE  
Esri

\* DESCRIPTION OF VALUES  
Sequential unique whole numbers that are automatically generated.

FIELD Shape ►

\* ALIAS Shape  
\* DATA TYPE Geometry  
\* WIDTH 0  
\* PRECISION 0  
\* SCALE 0  
\* FIELD DESCRIPTION  
Feature geometry.

\* DESCRIPTION SOURCE  
ESRI

\* DESCRIPTION OF VALUES  
Coordinates defining the features.

FIELD PROT\_NUMBE ►

\* ALIAS PROT\_NUMBE  
\* DATA TYPE String  
\* WIDTH 7  
\* PRECISION 0  
\* SCALE 0

FIELD DESCRIPTION  
Official Protraction Diagram (BOEM) in which an OCS block is related.

DESCRIPTION SOURCE  
BOEM - MBB

DESCRIPTION OF VALUES  
Official Protraction Diagram (BOEM) in which an OCS block is related.

FIELD BLOCK\_NUMB ►



- \* ALIAS BLOCK\_NUMB
- \* DATA TYPE String
- \* WIDTH 10
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

The Outer Continental Shelf (OCS) Block number related to a particular Official Protraction Diagram (ex. NJ18-08, 6784) where 6784 is the block number) Those blocks split into 16ths do not have a number in this field. Use the "BLOCK\_LAB" field for block numbers on 1/16 blocks.

DESCRIPTION SOURCE

BOEM - MBB

DESCRIPTION OF VALUES

The Outer Continental Shelf (OCS) Block number related to a particular Official Protraction Diagram (ex. NJ18-08, 6784) where 6784 is the block number) Those blocks split into 16ths do not have a number in this field. Use the "BLOCK\_LAB" field for block numbers on 1/16 blocks.

FIELD BLOCK\_LAB ►

- \* ALIAS BLOCK\_LAB
- \* DATA TYPE String
- \* WIDTH 6
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

A field created for labeling purposes, but also has all the blocks listed and can be used as an alternate to the "BLOCK\_NUMB" field.

DESCRIPTION SOURCE

BOEM - OREP

DESCRIPTION OF VALUES

A field created for labeling purposes, but also has all the blocks listed and can be used as an alternate to the "BLOCK\_NUMB" field.

FIELD SUB\_BLK ►

- \* ALIAS SUB\_BLK
- \* DATA TYPE String
- \* WIDTH 5
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

A letter designation for 1/16th of an OCS Block.

DESCRIPTION SOURCE

BOEM - OREP/MBB

DESCRIPTION OF VALUES

A letter designation for 1/16th of an OCS Block.

FIELD Lease\_Numb ►

- \* ALIAS Lease\_Numb
- \* DATA TYPE String
- \* WIDTH 50

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

BOEM lease number identified in the federal register notice

DESCRIPTION SOURCE

BOEM - OREP

DESCRIPTION OF VALUES

BOEM lease number identified in the federal register notice

FIELD State ►

\* ALIAS State

\* DATA TYPE String

\* WIDTH 50

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

State(s) task force involved during project planning

DESCRIPTION SOURCE

BOEM - OREP

DESCRIPTION OF VALUES

State(s) task force involved during project planning

FIELD Lease\_Date ►

\* ALIAS Lease\_Date

\* DATA TYPE String

\* WIDTH 20

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Effective date of lease or grant

DESCRIPTION SOURCE

BOEM - OREP

DESCRIPTION OF VALUES

Effective date of lease or grant

FIELD Lease\_Type ►

\* ALIAS Lease\_Type

\* DATA TYPE String

\* WIDTH 50

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Lease types can include Commercial, Research, Interim Policy, Right-of-Way Grant

DESCRIPTION SOURCE

BOEM - OREP

DESCRIPTION OF VALUES

Lease types can include Commercial, Research, Interim Policy, Right-of-Way Grant

FIELD Resource ►

- \* ALIAS Resource
- \* DATA TYPE String
- \* WIDTH 50
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

Type of energy source – wind, hydrokinetic

DESCRIPTION SOURCE

BOEM - OREP

DESCRIPTION OF VALUES

Type of energy source – wind, hydrokinetic

FIELD Company ▶

- \* ALIAS Company
- \* DATA TYPE String
- \* WIDTH 80
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

Lease holder

DESCRIPTION SOURCE

BOEM - OREP

DESCRIPTION OF VALUES

Lease holder

FIELD PROT\_NAME ▶

- \* ALIAS PROT\_NAME
- \* DATA TYPE String
- \* WIDTH 50
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

Official Protraction Diagram (BOEM) name in which an OCS block is related.

DESCRIPTION SOURCE

BOEM - MBB

DESCRIPTION OF VALUES

Official Protraction Diagram (BOEM) name in which an OCS block is related.

FIELD Proj\_Ease ▶

- \* ALIAS Proj\_Ease
- \* DATA TYPE String
- \* WIDTH 50
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

Date of project easement associated with lease. Field is populated as to-be-determined (TBD) if no easement has been issued.

DESCRIPTION SOURCE

BOEM - OREP

FIELD Lease\_Term ▶

- \* ALIAS Lease\_Term
- \* DATA TYPE String
- \* WIDTH 50
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

Length of lease term in years

DESCRIPTION SOURCE

BOEM - OREP

DESCRIPTION OF VALUES

Length of lease term in years

FIELD INFO ▶

- \* ALIAS INFO
- \* DATA TYPE String
- \* WIDTH 50
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

Project name used for legend/labeling purposes.

DESCRIPTION SOURCE

BOEM - OREP

DESCRIPTION OF VALUES

Project name used for legend/labeling purposes.

FIELD Shape\_Length ▶

- \* ALIAS Shape\_Length
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0
- \* FIELD DESCRIPTION

Length of feature in internal units.

\* DESCRIPTION SOURCE

Esri

\* DESCRIPTION OF VALUES

Positive real numbers that are automatically generated.

FIELD Shape\_Area ▶

- \* ALIAS Shape\_Area
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0
- \* FIELD DESCRIPTION

Area of feature in internal units squared.

\* DESCRIPTION SOURCE

Esri

\* DESCRIPTION OF VALUES

Positive real numbers that are automatically generated.

## Metadata Details ▶

\* METADATA LANGUAGE English (UNITED STATES)

METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

METADATA IDENTIFIER BOEM Lease Areas

SCOPE OF THE DATA DESCRIBED BY THE METADATA \* dataset

SCOPE NAME \* dataset

\* LAST UPDATE 2016-12-15

## Metadata Contacts ▶

METADATA CONTACT

INDIVIDUAL'S NAME Josh Wadlington

ORGANIZATION'S NAME Bureau of Ocean Energy Management

CONTACT'S POSITION Geographer

CONTACT'S ROLE originator

## Metadata Maintenance ▶

MAINTENANCE

UPDATE FREQUENCY as needed