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.


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).


**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


**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

Citation

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

PRESENTATION FORMATS: digital map

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

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**  1111948722.222221  
    - **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.

**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 Protracion Diagram (BOEM) in which an OCS block is related.

* **DESCRIPTION SOURCE**
  BOEM - MBB

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

**FIELD BLOCK_NUMB**
**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
**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 Protration Diagram (BOEM) name in which an OCS block is related.

DESCRIPTION SOURCE
BOEM - MBB

DESCRIPTION OF VALUES
Official Protration 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
**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