

Renewable Energy Leasing Areas Shapefile



Tags

Alternative Energy, Renewable Energy, lease area, wind, Proposed Sale Notice, FSN, Final Sale Notice, BOEMRE, MMS, BOEM, Bureau of Ocean Energy Management, Offshore Wind, Cape Wind, Rhode Island, Massachusetts, Delaware, Virginia, IP Lease

Summary

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

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

Research Lease: Virginia

IP Leases: New Jersey and Florida

Description

Cape Wind

Project History and Overview 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.

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

Rhode Island / Massachusetts

On July 31, 2013, Interior Secretary Sally Jewel announced the nations first-ever competitive lease sale for renewable energy in federal waters. The provisional winner of the lease sale, which auctioned two leases for a Wind Energy Area of 164,750 acres offshore Rhode Island and Massachusetts for wind energy development, is Deepwater Wind New England, LLC.

Leases

North Lease Area - OCS-A0486 - approximately 97,500 acres

http://www.boem.gov/uploadedFiles/BOEM/Renewable_Energy_Program/State_Activities/Lease%20OCS-A%200486.pdf

South Lease Area - OCS-A0487 - approximately 67,250 acres

http://www.boem.gov/uploadedFiles/BOEM/Renewable_Energy_Program/State_Activities/Lease%20OCS-A%200487.pdf

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).

MD 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: [Mary land 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](#)

Virginia

On September 4, 2013, Interior Secretary Sally Jewel announced the competitive lease sale for the wind energy area offshore Virginia. The auction represents 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:

http://www.boem.gov/VA_Final-Sale-Notice_Signed/

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).

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

IP Leases New Jersey

OCS-A-0473, Fishermen's Energy LLC
November 1, 2009, 5 year limited lease

For more information:

http://www.boem.gov/uploadedFiles/BOEM/Renewable_Energy_Program/Current_Projects/Lease_A0473.pdf

OCS-A-0472, GSOE-I LLC (Formerly Deepwater Wind LLC)
November 1, 2009, 5 year limited lease

For more information:

http://www.boem.gov/uploadedFiles/BOEM/Renewable_Energy_Program/Current_Projects/Lease_A0472.pdf

IP Lease Florida

Under the 2007 BOEM Interim Policy for authorization of the installation of offshore data collection and technology testing facilities on the Outer Continental Shelf (OCS), BOEM identified four proposed lease areas (PLAs) offshore Florida. One applicant, Florida Atlantic University Southeast National Marine Renewable Energy Center, submitted an Interim Policy lease application for technology testing and resource assessment within three OCS blocks in PLA 1. The final lease issuance was announced on June 2nd, 2014.

For more information: <http://www.boem.gov/State-Activities-Florida/>

Josh Wadlington - Bureau of Ocean Energy Management

Use limitations

None - Public

Extent

West -75.485351 **East** -70.221044
North 41.551403 **South** 36.821676

Scale Range

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

ArcGIS Metadata ►

Topics and Keywords ►

* CONTENT TYPE Downloadable Data

Hide Topics and Keywords ▲

Citation ►

TITLE Renewable Energy Leasing Areas

PRESENTATION FORMATS * digital map

Hide Citation ▲

Resource Details ▼

Extents ►

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

* WEST LONGITUDE -75.485351

* EAST LONGITUDE -70.221044

* NORTH LATITUDE 41.551403

* SOUTH LATITUDE 36.821676

* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE -75.485351

* EAST LONGITUDE -70.221044
* SOUTH LATITUDE 36.821676
* NORTH LATITUDE 41.551403
* EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

Resource Constraints ►

CONSTRAINTS
LIMITATIONS OF USE
None - Public

[Hide Resource Constraints ▲](#)

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 11258999068426.238
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
* VALUE 4269
* CODESPACE EPSG
* VERSION 8.2.6

[Hide Spatial Reference ▲](#)

Spatial Data Properties ►

VECTOR ►
* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS
FEATURE CLASS NAME BOEM_Lease_Areas_03_22_2016
* OBJECT TYPE composite
* OBJECT COUNT 1387

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME BOEM_Lease_Areas_03_22_2016

- * FEATURE TYPE Simple
- * GEOMETRY TYPE Polygon
- * HAS TOPOLOGY FALSE
- * FEATURE COUNT 1387
- * SPATIAL INDEX TRUE
- * LINEAR REFERENCING FALSE

[Hide ArcGIS Feature Class Properties ▲](#)

[Hide Spatial Data Properties ▲](#)

Geoprocessing history ▼

Fields ►

DETAILS FOR OBJECT Boem_Lease_Areas_03_22_2016 ►

- * TYPE Feature Class
- * ROW COUNT 1387

FIELD FID ►

- * ALIAS FID
- * 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.

Hide Field FID ▲

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.

Hide Field Shape ▲

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

Hide Field PROT_NUMBE ▲

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

DESCRIPTION SOURCE

BOEM – MBB

Hide Field BLOCK_NUMB ▲

FIELD BLOCK_LAB ►

* ALIAS BLOCK_LAB
* DATA TYPE String
* WIDTH 6
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

The Outer Continental Shelf (OCS) Block Label

DESCRIPTION SOURCE

Bureau of Ocean Energy Management

Hide Field BLOCK_LAB ▲

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 Outer Continental Shelf (OCS) Block

DESCRIPTION SOURCE

Bureau of Ocean Energy Management

Hide Field SUB_BLK ▲

FIELD Lease_Numb ►

* ALIAS Lease_Numb
* DATA TYPE String
* WIDTH 50
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

Bureau of Ocean Energy Management (BOEM) Lease Number Identified in the Federal Register Notice

DESCRIPTION SOURCE

Bureau of Ocean Energy Management

Hide Field Lease_Numb ▲

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

Bureau of Ocean Energy Management

Hide Field State ▲

FIELD Lease_Date ►

- * ALIAS Lease_Date
- * DATA TYPE String
- * WIDTH 20
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Date of Lease Issuance

DESCRIPTION SOURCE

Bureau of Ocean Energy Management

Hide Field Lease_Date ▲

FIELD Lease_Type ►

- * ALIAS Lease_Type
- * DATA TYPE String
- * WIDTH 50
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Lease Type (Can Include Commercial and Research)

DESCRIPTION SOURCE

Bureau of Ocean Energy Management

Hide Field Lease_Type ▲

FIELD Resource ►

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

FIELD DESCRIPTION

Type of Energy Source (Wind, Hydrokinetic)

DESCRIPTION SOURCE

Bureau of Ocean Energy Management

Hide Field Resource ▲

FIELD Company ►

- * ALIAS Company
- * DATA TYPE String
- * WIDTH 50
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Lease Holder

DESCRIPTION SOURCE

Bureau of Ocean Energy Management

[Hide Field Company](#) ▲

FIELD [PROT_NAME](#) ►

- * ALIAS PROT_NAME
- * DATA TYPE String
- * WIDTH 50
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Official Protraction Diagram Name

DESCRIPTION SOURCE

Bureau of Ocean Energy Management

[Hide Field PROT_NAME](#) ▲

FIELD [Lease_Term](#) ►

- * ALIAS Lease_Term
- * DATA TYPE String
- * WIDTH 50
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Length of Lease Terms (Years)

DESCRIPTION SOURCE

Bureau of Ocean Energy Management

[Hide Field Lease_Term](#) ▲

FIELD [Proj_Ease_](#) ►

- * ALIAS Proj_Ease_
- * DATA TYPE String
- * WIDTH 50
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Easements for Power Transmission

DESCRIPTION SOURCE

Bureau of Ocean Energy Management

[Hide Field Proj_Ease_](#) ▲

[Hide Details for object boem_lease_areas_09_18_13](#) ▲

[Hide Fields](#) ▲

Metadata Details ►

- * METADATA LANGUAGE English (UNITED STATES)

SCOPE OF THE DATA DESCRIBED BY THE METADATA * dataset

SCOPE NAME * dataset

* LAST UPDATE 2016-03-24

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0

STANDARD OR PROFILE USED TO EDIT METADATA FGDC

CREATED IN ARCGIS FOR THE ITEM 2015-02-05 17:32:34

LAST MODIFIED IN ARCGIS FOR THE ITEM 2016-03-24 08:51:17

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2016-03-24 08:51:17

Hide Metadata Details ▲

Thumbnail and Enclosures ►

THUMBNAIL

THUMBNAIL TYPE JPG

Hide Thumbnail and Enclosures ▲

FGDC Metadata (read-only) ▼