BOEM Wind Planning Areas

Tags
BOEM, Wind, Planning Areas

Summary
This data set represents the most recent changes for the Wind Development Planning Areas in the Atlantic.

Description
Wind Planning Areas in this dataset represent up to six different types of announcements within the US Federal Register that can be used to show the current status of an area that is being considered for Wind Power Development. Individual projects are listed by state below. Previous Wind Planning Areas that are now designated as leases can be found on the BOEM Leases Shapefile. Metadata for the leases can be found here. MassachusettsThe Wind Energy Area is located off the coast of Massachusetts beginning approximately 12 nmi south of Martha's Vineyard and 13 nautical miles southwest of Nantucket. It covers an area of approximately 300,672 hectares (742,974 acres).Federal Register notices12/29/2010 – Request for Interest(RFI)02/06/2012 – Call for Information02/06/2012 - Notice of Intent to Prepare an Environmental Impact Statement05/30/2012 – Wind Energy Area(WEA) 11/02/2012 – Environmental Assessment(EA)06/17/2014 - Proposed Sale Notice (PSN) For more information: Massachusetts State Activities Home PageNew YorkThe New York Power Authority (NYPA), Long Island Power Authority (LIPA), and Consolidated Edison (ConEd) worked together to propose an offshore wind power project south of Long Island, approximately 13 nmi off Rockaway Peninsula. On September 8, 2011, BOEM received an unsolicited request for a commercial lease from NYPA. The area is approximately 32,832 hectares (81,129 acres)Federal Register notices01/04/2013 Request for Interest(RFI)For more information: New York State Activities Home PageNew JerseyThe New Jersey WEA is located offshore New Jersey beginning approximately 7 nautical miles (nmi) from shore and extends 23 nmi seaward. The area is approximately 139,104 hectares (343,732) acres.Federal Register notices04/20/2011 – Call for Information07/17/2014 Proposed Sale NoticeFor more information: New Jersey State Activities Home PageMarylandIn 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 notices11/09/2010 – Request for Interest (RFI)02/03/2012 – Call for Information02/03/2012 - Notice of Intent to Prepare an Environmental Impact Statement12/18/2013 - Proposed Sale Notice07/03/2014 - Final Sale NoticeFor more information: Maryland State Activities Home PageNorth CarolinaThe NC Call Areas are located in 3 sections along the NC coast. Call Area Kitty Hawk offshore North Carolina contains approximately 138 whole OCS blocks and 36 partial blocks. The boundary begins 6 miles from the shore and extends roughly 34 nautical miles seaward at its longest point. It extends from north to south approximately 45 nautical miles. The entire area is approximately 355,248 hectares. Call Area Wilmington-West offshore North Carolina contains approximately 6 whole OCS blocks and 9 partial blocks. The boundary begins 7 miles from the shore and extends roughly 11 nautical miles seaward. It extends from east to west approximately 15 nautical miles. The entire area is approximately 26,784 hectares. Call Area Wilmington-East offshore North Carolina contains approximately 51 whole OCS blocks and 15 partial blocks. The boundary begins 13 miles from the shore andextends roughly 28 nautical miles seaward. It extends from east to west approximately 21 nautical miles. The entire area is approximately 111,984 hectares.NC Federal Register notices12/13/2012 – Call for Information02/05/2013 – Call for Information (reopening of comment period)For more information: North Carolina State Activities Home PageGeorgiaBOEM has received and is processing an application from Southern Company for an Interim Policy lease approximately 3 to 11 nautical miles off the coast of Tybee Island, Georgia that would authorize the installation and operation of a meteorological tower and/or buoy.Georgia Federal Register noticesEnvironmental Assessment– April 1, 2014For more information: Georgia State Activities Home PageFloridaUnder 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, has submitted an Interim Policy lease application for technology testing and resource assessment within three OCS blocks in PLA 1. Georgia Federal Register noticesRevised Environmental

Credits
Bureau of Ocean Energy Management Office of Renewable Energy Programs

Use limitations
There are no access and use limitations for this item.

Extent
    West -158.663606   **East**   -70.021549
    North   41.021068   **South** 20.776510

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

ArcGIS Metadata

Topics and Keywords
    * CONTENT TYPE   Downloadable Data

Citation
    TITLE   BOEM Wind Planning Areas
    PRESENTATION FORMATS   ***** digital map

Citation Contacts
    RESPONSIBLE PARTY
        ORGANIZATION'S NAME   Bureau of Ocean Energy Management
        CONTACT'S ROLE   originator

Resource Details
    DATASET LANGUAGES   ***** English (UNITED STATES)
    SPATIAL REPRESENTATION TYPE   ***** vector
    * PROCESSING ENVIRONMENT Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.3.0.4322
    CREDITS
        Bureau of Ocean Energy Management Office of Renewable Energy Programs

Extents
    EXTENT
        GEOGRAPHIC EXTENT
            BOUNDING RECTANGLE
                EXTENT TYPE   Extent used for searching
               * WEST LONGITUDE   -158.663606
               * EAST LONGITUDE   -70.021549
               * NORTH LATITUDE   41.021068
               * SOUTH LATITUDE   20.776510
               * EXTENT CONTAINS THE RESOURCE   Yes
        EXTENT IN THE ITEM'S COORDINATE SYSTEM
            * WEST LONGITUDE   -17662351.876401
            * EAST LONGITUDE   -7794763.194785
            * SOUTH LATITUDE   2365249.646709
            * NORTH LATITUDE   5015449.701694
            * EXTENT CONTAINS THE RESOURCE   Yes

Spatial Reference
    ARCGIS COORDINATE SYSTEM
        * TYPE   Projected
        * GEOGRAPHIC COORDINATE REFERENCE   GCS_WGS_1984
        * PROJECTION   WGS_1984_Web_Mercator_Auxiliary_Sphere
            * COORDINATE REFERENCE DETAILS
            PROJECTED COORDINATE SYSTEM
            WELL-KNOWN IDENTIFIER   102100
            X ORIGIN   -22041545.367140558
            Y ORIGIN   -33272760.666300893
            XY SCALE   135368852.55357128
            Z ORIGIN   -100000
            Z SCALE   10000
            M ORIGIN   -100000
            M SCALE   10000
            XY TOLERANCE   0.001
            Z TOLERANCE   0.001

M TOLERANCE 0.001
HIGH PRECISION true
LATEST WELL-KNOWN IDENTIFIER 3857
WELL-KNOWN TEXT PROJCS["WGS_1984_Web_Mercator_Auxiliary_Sphere",GEOGCS
["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID
["WGS_1984",6378137.0,298.257223563]],PRIMEM["Greenwich",0.0],UNIT
["Degree",0.0174532925199433]],PROJECTION["Mercator_Auxiliary_Sphere"],PARAMETER
["False_Easting",0.0],PARAMETER["False_Northing",0.0],PARAMETER
["Central_Meridian",0.0],PARAMETER["Standard_Parallel_1",0.0],PARAMETER
["Auxiliary_Sphere_Type",0.0],UNIT["Meter",1.0],AUTHORITY["EPSG",3857]]
REFERENCE SYSTEM IDENTIFIER
* VALUE 3857
* CODESPACE EPSG
* VERSION 8.2.6

Spatial Data Properties
VECTOR
* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only
GEOMETRIC OBJECTS
FEATURE CLASS NAME boem_wind_planning_area
* OBJECT TYPE composite
* OBJECT COUNT 2634
ARCGIS FEATURE CLASS PROPERTIES
FEATURE CLASS NAME boem_wind_planning_area
* FEATURE TYPE Simple
* GEOMETRY TYPE Polygon
* HAS TOPOLOGY FALSE
* FEATURE COUNT 2634
* SPATIAL INDEX TRUE
* LINEAR REFERENCING FALSE

Distribution
DISTRIBUTION FORMAT
* NAME File Geodatabase Feature Class

Fields
DETAILS FOR OBJECT boem_wind_planning_area
* TYPE Feature Class
* ROW COUNT 2634

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 INFO
* ALIAS INFO
* DATA TYPE String
* WIDTH 250
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Description of the Category for Legend Description Purposes and to indicate affected US State.

DESCRIPTION SOURCE
   BOEM Office of Renewable Energy

FIELD PROT_NUMBE
* ALIAS   PROT_NUMBE
* DATA TYPE   String
* WIDTH   10
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
   Official Protraction Diagram (BOEM) in which an OCS block is related.
DESCRIPTION SOURCE
   BOEM Official Protraction Diagram - MBB

FIELD PROT_APRV_
* ALIAS   PROT_APRV_
* DATA TYPE   String
* WIDTH   50
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
   Date that the Official Protraction Diagram was Approved for Publication by the Chief of the
   Leasing Division's Mapping and Boundary Branch
DESCRIPTION SOURCE
   BOEM MBB

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

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 ORE/MBB

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
Scope of the data described by the metadata   * dataset
Scope name   * dataset
* Last update   2017-01-03
ArcGIS metadata properties
   Metadata format   ArcGIS 1.0
   Metadata style   FGDC CSDGM Metadata
   Standard or profile used to edit metadata   FGDC
   Created in ArcGIS for the item   2016-12-14   13:27:57
   Last modified in ArcGIS for the item   2017-01-03   10:26:09
   Automatic updates
     Have been performed   Yes
     Last update   2017-01-03   09:47:02