**Title:** Active Atlantic Renewable Energy Leases
October 2026

**Prepared for:**
Northeast Regional Ocean Council (NROC)
www.northeastoceandata.org

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**Version history:**
Version 1.0, October 2026

# 1. INTRODUCTION

Since the early 2020s, the U.S. Bureau of Ocean Energy Management (BOEM) published a public geospatial dataset showing the extents and cadastral areas of offshore renewable energy leases on the U.S. Outer Continental Shelf. The dataset was available via webservice and download from BOEM's website. The data were most recently available at these URLs:

- https://www.arcgis.com/home/item.html?id=e5a371353b4744418e57da448dac9471#overview
- https://www.boem.gov/renewable-energy/boem-renewable-energy-geodatabase

According to BOEM's Renewable Energy GIS website, the data above were last updated on February 5, 2025.

In fall of 2026, Northeast Ocean Data Portal staff modified the source data from BOEM to reflect the domain of interest for Northeast Ocean Data Portal users and to reflect the current status of renewable energy leases. These modifications included omitting any lease areas outside of the U.S. Atlantic Outer Continental Shelf and those that have been relinquished, rescinded, cancelled, or are in the process of being relinquished, rescinded, and/or cancelled. The resulting dataset reflects the suite of active renewable energy lease on the U.S. Atlantic Outer Continental Shelf.

# 2. PURPOSE

The purpose of this dataset is to show the extents of active offshore renewable energy leases within the U.S. Atlantic Outer Continental Shelf in federally managed waters within the U.S. EEZ.

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***To cite this data and metadata:*** *Shumchenia and Ducharme. 2026. Active Atlantic Renewable Energy Leases. Northeast Ocean Data. www.northeastoceandata.org. Accessed MM/DD/YYYY.*

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## 3. SOURCES AND AUTHORITIES

BOEM's Active Renewable Energy Areas dataset:

- https://www.arcgis.com/home/item.html?id=e5a371353b4744418e57da448dac9471#overview (last accessed 09-29-2026)
- https://www.boem.gov/renewable-energy/boem-renewable-energy-geodatabase (last accessed 09-29-2026)

BOEM's Renewable Energy Lease and Grant Information page: https://www.boem.gov/renewable-energy/lease-and-grant-information (last accessed 09-29-2026)

## 4. DATABASE DESIGN AND CONTENT

Native storage format: ArcGIS File Geodatabase – simple feature class
Feature Types: polygon features representing lease blocks
Data Dictionary:

| | Name | Definition | Type | Size |
|---|---|---|---|---|
| 1 | OBJECTID | Uniquely identifies a feature | OBJECTID | * |
| 2 | Shape | Geometric representation of the feature | geometry | * |
| 3 | LEASE_NUMBER | BOEM lease identifier | String | 50 |
| 4 | LEASE_NUMBER_COMPANY | Lease identifier combined with company name | String | 200 |
| 5 | PROJECT_EASEMENT | Associated project easement information | String | 50 |
| 6 | PROTRACTION_NUMBER | Official protraction diagram identifier | String | 7 |
| 7 | PROTRACTION_NAME | Name of Protraction Diagram | String | 50 |
| 8 | BLOCK_NUMBER | OCS block identifier within the diagram | String | 10 |
| 9 | LEASE_DOCUMENT1 | Link to the primary lease document | String | 254 |

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| | | | | |
|---|---|---|---|---|
| 10 | LEASE_DOCUMENT2 | Link to a secondary lease document | String | 254 |
| 11 | BLOCK_LABEL | Display label for the lease block | String | 6 |
| 12 | SUB_BLOCK | Subdivision of the lease block | String | 5 |
| 13 | LEASE_TYPE | Category or type of renewable-energy lease | String | 50 |
| 14 | RESOURCE | Energy resource covered by the lease | String | 50 |
| 15 | COMPANY | Leaseholder or operating company | String | 80 |
| 16 | LEASE_DATE | Date the lease was issued | String | 20 |
| 17 | LEASE_TERM | Duration of the lease | String | 50 |
| 18 | STATE | Associated state or states | String | 50 |

Feature Class Names:
BOEMActiveAtlanticRenewableEnergyLeases

Total Number of Unique Features: 3,317

Dataset Status: Complete

## 5. SPATIAL REPRESENTATION

Geometry Type: vector polygon
Reference System: GCS North American 1983
Horizontal Datum: North American Datum 1983
Ellipsoid: Geodetic Reference System 1980

XY Resolution: XY Scale is 0.000000001
Tolerance: 0.000000008983153

Geographic extent: -126.4 to -66.1, 31.9 to 45.9

IS0 19115 Topic Category: environment, oceans, energy

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Scale range for optimal visualization: 6,000,000 to 500,000

## 6. DATA PROCESSING

Processing environment: ArcGIS Pro 3.5.2, Windows 11 Enterprise, Intel Core Ultra 7

| | Process Steps Description – Occurs Automatically Daily at 2AM (EST) |
|---|---|
| 1 | Download available GIS data from BOEM ESRI REST endpoint |
| 2 | Rehost data, updating symbology and labeling |

## 7. QUALITY PROCESS

Attribute Accuracy: Original content was acquired from BOEM. Any attribute editing was informed by specific information in the metadata and Sources and Authorities listed above.

Logical Consistency: Lease blocks are pulled from BOEM protraction diagram data sets and attributed for new lessee information. In some cases blocks are subdivided down to 1/16ths or 1/64ths to fully delineate the area of the lease.

Completeness: Data are based upon a dataset last updated 02-05-2025. Modifications to that dataset were made based on publicly available information and are considered complete.

Positional Accuracy: Although these data were processed successfully on a computer system at the Bureau of Ocean Energy Management, no warranty expressed or implied is made regarding the accuracy or utility of the data on any other system or for general or scientific purposes, nor shall the act of distribution constitute any such warranty. It is also strongly recommended that careful attention be paid to the contents of the metadata file associated with these data to evaluate data set limitations, restrictions or intended use.

Timeliness: This dataset is based on best available information as of September 29, 2026. The status of offshore renewable energy leases and their ownership has fluctuated over time.

Use restrictions: Data are presented as is. Users are responsible for understanding the metadata prior to use.

Distribution Liability: All parties receiving these data must be informed of caveats and limitations.

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