Title: Previously Leased Areas
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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Ocean Data Portal staff created a subset of the source data from BOEM to reflect leases that have been relinquished, rescinded, cancelled, or are in the process of being relinquished, rescinded, and/or cancelled within the domain of interest for Northeast Ocean Data Portal users. The resulting dataset reflects the suite of previously leased areas on the U.S. Atlantic Outer Continental Shelf.

2. PURPOSE

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

To cite this data and metadata: *Shumchenia and Ducharme. 2026. Previously Leased Areas. 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:
BOEMPreviouslyLeasedAreas

Total Number of Unique Features: 986

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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