

Block Island Wind Farm Turbine Locations
Northeast United States
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Prepared for:
Northeast Ocean Data
www.northeastoceandata.org

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1. INTRODUCTION

The Block Island Wind Farm (BIWF) will be a 30-megawatt offshore wind farm located approximately three miles southeast of Block Island. It will consist of five, 6-MW wind turbine generators, a submarine cable interconnecting the wind turbine generators (WTGs), and a transmission cable, all located within Rhode Island State waters. The wind farm will generate over 125,000 megawatt hours annually. Deepwater Wind began offshore construction in 2015. This dataset shows the proposed locations of the BIWF WTGs. For additional information, consult the [project overview](#).

2. PURPOSE

To support coastal and ocean planning.

3. SOURCES AND AUTHORITIES

- Rhode Island Coastal Resources Management Council
- Deepwater Wind LLC

4. DATABASE DESIGN AND CONTENT

Native storage format: ArcGIS File Geodatabase – simple feature class

Feature Types:

Wind Turbine Generator (WTG) locations

Data Dictionary:

Line	Name	Definition	Type	Size
1	OBJECTID	Uniquely identifies a feature	OBJECTID	*
2	Shape	Geometric representation of the feature	geometry	*
3	name	Unique identifier for each WTG	text	8
4	depth	Depth of water (in meters) at WTG location)	double	*
5	latitude	Latitude of WTG in degrees, minutes and seconds	double	*
6	longitude	Longitude of WTG in degrees, minutes and seconds	double	*

Feature Class Name: Block Island Wind Farm Turbine Locations

Total Number of Unique Features: 5

Dataset Status: Complete

5. SPATIAL REPRESENTATION

Geometry Type: vector point

Reference System: GCS North American 1983

Horizontal Datum: North American Datum 1983

Ellipsoid: Geodetic Reference System 1980

XY Resolution: XY Scale is 1000000000.0000001

Tolerance: 0.0000000089831528411952117

Geographic extent: - 71.54 to - 71.51, 41.11 To 41.13

ISO 19115 Topic Category: environment, oceans, structure, utilitiesCommunication

Place Names:

Atlantic Ocean Block Island, Block Island Sound, Rhode Island

Recommended Cartographic Properties:

(Using ArcGIS ArcMap nomenclature)

Character Marker Symbol: ESRI Default Marker, Unicode #35, size 10, color 284-100-90

Scale range for optimal visualization: 40,000 to 400,000

6. DATA PROCESSING

None

7. QUALITY PROCESS

Attribute Accuracy: Content was acquired from authoritative sources

Logical Consistency: Tested through visual inspection at a scale of 1:40,000

Completeness: All known records acquired

Positional Accuracy: The position of each WTG is based upon data from the developer team.

Timeliness: This dataset is up to date as of December 2015

Use restrictions: Data are presented as is

Distribution Liability: None