

Mid-Atlantic Regional Council on the Ocean

A Partnership in Ocean Conservation



Importance:

Our region's offshore ocean waters represent a tremendous, virtually untapped, source of offshore renewable energy including wind and hydrokinetic. As the Mid-Atlantic States strive to meet their clean energy, job creation and climate change goals, the region is preparing to responsibly locate the development of new offshore renewable energy facilities as well as face new challenges to accommodate multiple uses of the ocean.

Objectives:

One of the Mid-Atlantic Regional Council on the Ocean's (MARCO) goals is promoting sustainable development of offshore renewable energy resources by addressing regulatory barriers and regional issues regarding potential impacts of development.

The MARCO objectives to address this goal are to:

- Develop shared research and monitoring protocols for proposed energy development in the marine environment which will be incorporated into the permitting process.
- Examine and define regulatory steps, time frames and identify potential barriers to developing offshore renewable energy.
- Create an offshore use mapping and decision-support tool to aid in responsible siting of offshore renewable wind energy projects.

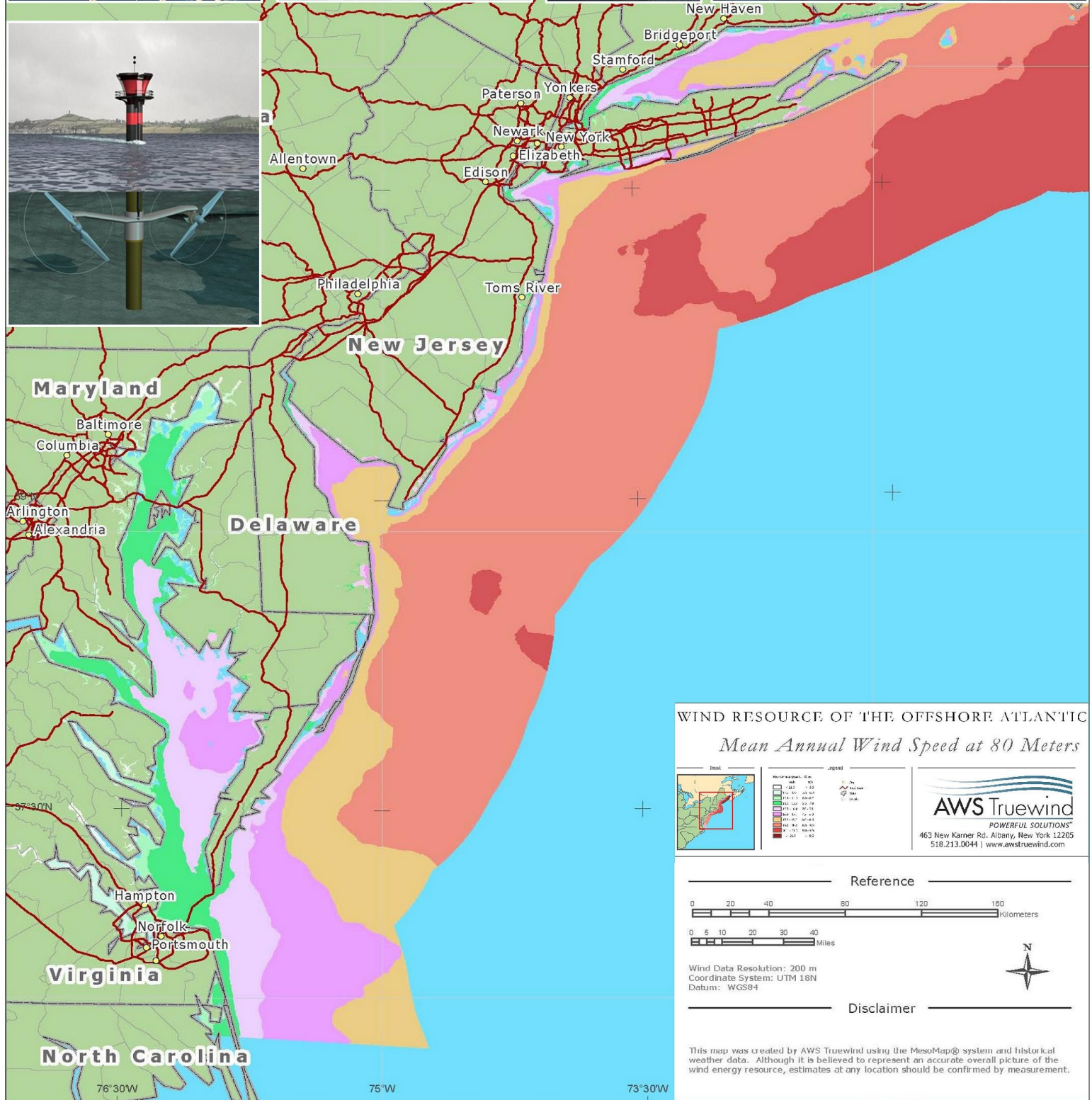
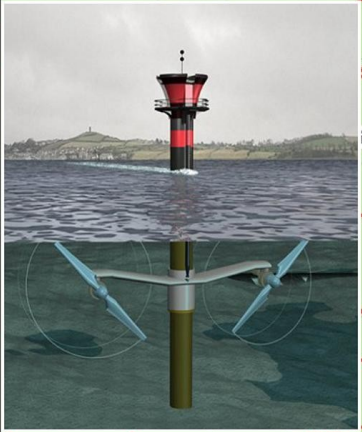
First Steps:

As a starting place for accomplishing these energy objectives, the Mid-Atlantic States agreed to begin with the following tasks:

1. Eliminate unnecessary Federal/State regulatory obstacles or uncertainties to offshore renewable energy development.
2. Identify renewable energy development industry needs, funding sources, best practices, and innovative research and development in order to facilitate renewable energy development.
3. Initiate development of offshore use mapping and decision-support tools (also noted as part of the habitat protection goal initial steps).

Renewable Energy

Mid-Atlantic Ocean - Renewable Energy



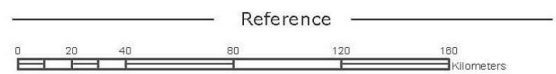
WIND RESOURCE OF THE OFFSHORE ATLANTIC

Mean Annual Wind Speed at 80 Meters



Wind Speed (m/s)	Color
1.0 - 1.9	Blue
2.0 - 2.9	Light Blue
3.0 - 3.9	Light Green
4.0 - 4.9	Green
5.0 - 5.9	Yellow-Green
6.0 - 6.9	Yellow
7.0 - 7.9	Orange
8.0 - 8.9	Red-Orange
9.0 - 9.9	Red
10.0 - 10.9	Dark Red
11.0 - 11.9	Dark Red
12.0 - 12.9	Dark Red
13.0 - 13.9	Dark Red
14.0 - 14.9	Dark Red
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98.0 - 98.9	Dark Red
99.0 - 99.9	Dark Red
100.0 - 100.9	Dark Red

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Wind Data Resolution: 200 m
 Coordinate System: UTM 18N
 Datum: WGS84



Disclaimer

This map was created by AWS Truewind using the MesoMap® system and historical weather data. Although it is believed to represent an accurate overall picture of the wind energy resource, estimates at any location should be confirmed by measurement.