

H1 Spring

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In response to stakeholder interest regarding visual impacts from potential future renewable energy development within the New York Call Area, BOEM has undertaken a project to develop visual simulations of a hypothetical wind energy facility on the Outer Continental Shelf offshore Long Island, New York. The purpose of this study is to characterize the potential onshore visibility of offshore wind turbines from locations along the coasts of New York and New Jersey under different seasons, times of day and weather conditions.

BOEM is not currently considering the approval of a specific project within the Call Area; therefore, the visual simulations illustrate a *hypothetical project*. The *hypothetical project* was designed to represent a commercially-scaled and technically feasible scenario that is consistent with industry trends regarding operating capacity, wind turbine size, spacing and configuration. Per BOEM's guidelines, project-specific visual simulations would be prepared by a lessee and submitted with its construction and operations plan. See *Guidelines for Information Requirements for a Renewable Energy Construction and Operations Plan* at <http://www.boem.gov/National-and-Regional-Guidelines-for-Renewable-Energy-Activities/>.

A series of accurate and realistic visual simulations of a hypothetical, commercial-scale wind energy facility within the New York Call Area were created from photographs and video taken at sixteen Key Observation Points located in New York and New Jersey. The simulations were further informed by a meteorological conditions assessment and a GIS-based viewshed analysis. A detailed description of the methods and supporting information used to create the visual simulations is provided in the Compendium Report accompanying the simulations.

Visual Simulation Overview

This appendix includes visual simulations of the Hypothetical Project prepared using photographs taken at each Key Observation Point. A cover sheet is provided for each Key Observation Point and includes:

- Base Photographic Documentation
- Camera Information
- Sun and Weather Information
- Turbine Information
- Image Preview
- Context Map
- Viewing Instructions

The cover sheet is then followed by an existing conditions photograph (showing the view with no turbines simulated); simulations of the turbines under different weather and lighting

conditions; and a wireframe simulation. Wireframe images depict turbines placed to scale within the image and with proper coloration but with no meteorological conditions or lighting added. Consequently, the turbines in those images appear more distinct and apparent than they might when viewed under actual weather and lighting conditions. These images overstate visibility, as such conditions are unlikely in a real-world scenario; however, they serve to orient the viewer to the location of the simulated turbines and illustrate the scale and height of the turbines from the distance of the specific Key Observation Point.

Viewing Instructions

Viewing instructions are provided on each simulation. The visibility of the turbines on images projected on a computer screen will depend on the scale at which the image is being viewed. Simply put, zooming in on the image may overstate visibility. Conversely, zooming out or observing the image at full-screen will minimize the visibility of turbines. To view the simulations properly, adjust the zoom until the scale bar on the simulation measures four inches. Scaling the simulation in this manner will ensure that turbines – and other natural features in the view frame – are portrayed at an accurate scale and will ensure the field of view is similar to that experienced by an observer standing at the KOP. Once property scaled the images should be viewed from a distance of 11.2 inches.

Meteorological Visibility

Understanding the distinction between the visibility metrics provided in Section 2.0 of this report and the actual expected visibility of the turbines illustrated by the photosimulations is central to this visibility assessment. “Maximum Visibility” and “Average Predicted Visibility” refer to the definition of visibility provided in Section 2.0 of the Compendium Report: “the greatest distance at which an observer can just see a black object viewed against the horizon sky” (Malm 1999). “Average Visibility” metrics refer to the average distance at which a black object would be visible on the horizon based on the relationship between visibility and humidity. Please see Section 2 for more information.

Actual Visibility

As discussed in Section 7 of the Compendium Report, the actual visibility of the offshore wind turbines as shown in the photo simulations will depend on a variety of factors, such as contrast of the turbines against the backdrop of the horizon, existing lighting and how it falls on the turbines, the degree of atmospheric haze, and observer characteristics. The simulations depict the appearance of light grey turbines under proper lighting and meteorological conditions (e.g., haze), consistent with those recorded at the time the photograph was taken. There is thus very little visual contrast between the color and distinction in form of the turbines as they “blend” with the color of the horizon. Please see Section 7 for more information.

KOP: Otis Pike Fire Island High Dune Wilderness - Visitor Center

Season: Spring
 Time of Day: Morning

Base Photographic Documentation

Date (MM/DD/YYYY): 6/16/2014
 Time (24hr): 10:18
 GPS Longitude: -72.866598
 GPS Latitude: 40.732304
 Viewpoint Elevation (ft): 16.35
 Camera Height (ft): 5.41
 Camera Heading (°): 218

Camera Information

Camera Make & Model: Canon EOS 5D Mark III
 Camera Sensor Size: 36mm x 24mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

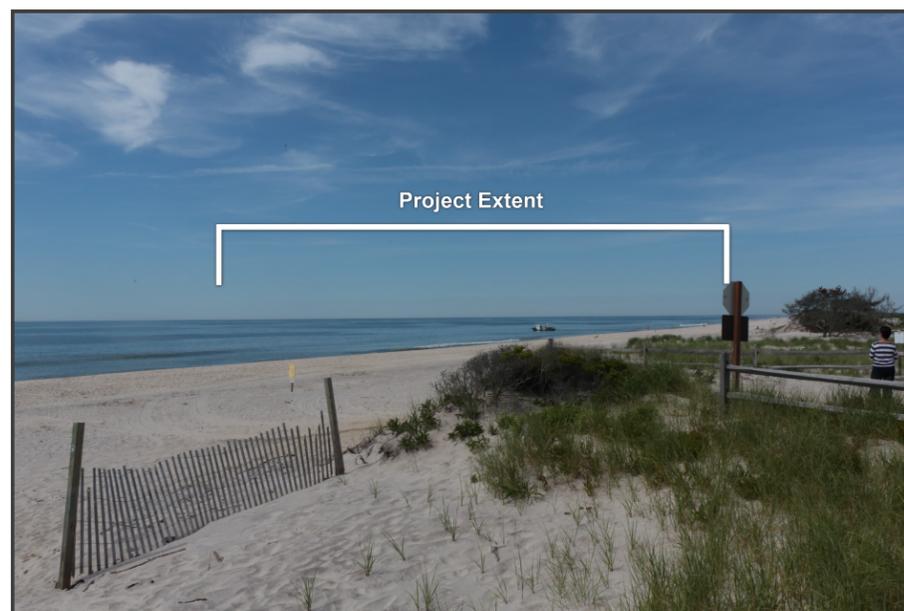
Sun And Weather Information

Sun Azimuth: 106.3835246
 Sun Elevation: 53.39887785
 Lighting Angle (On Turbines): Left-Lit
 Weather Conditions: Partly-Cloudy
 Maximum Visibility (NM): 23.8
 Average Predicted Visibility (NM): 16.0
 Wave Height (ft): 0.8
 Period (Seconds): 10
 Temperature (°F): 70
 Temperature (°C): 21
 Humidity (%): 51

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



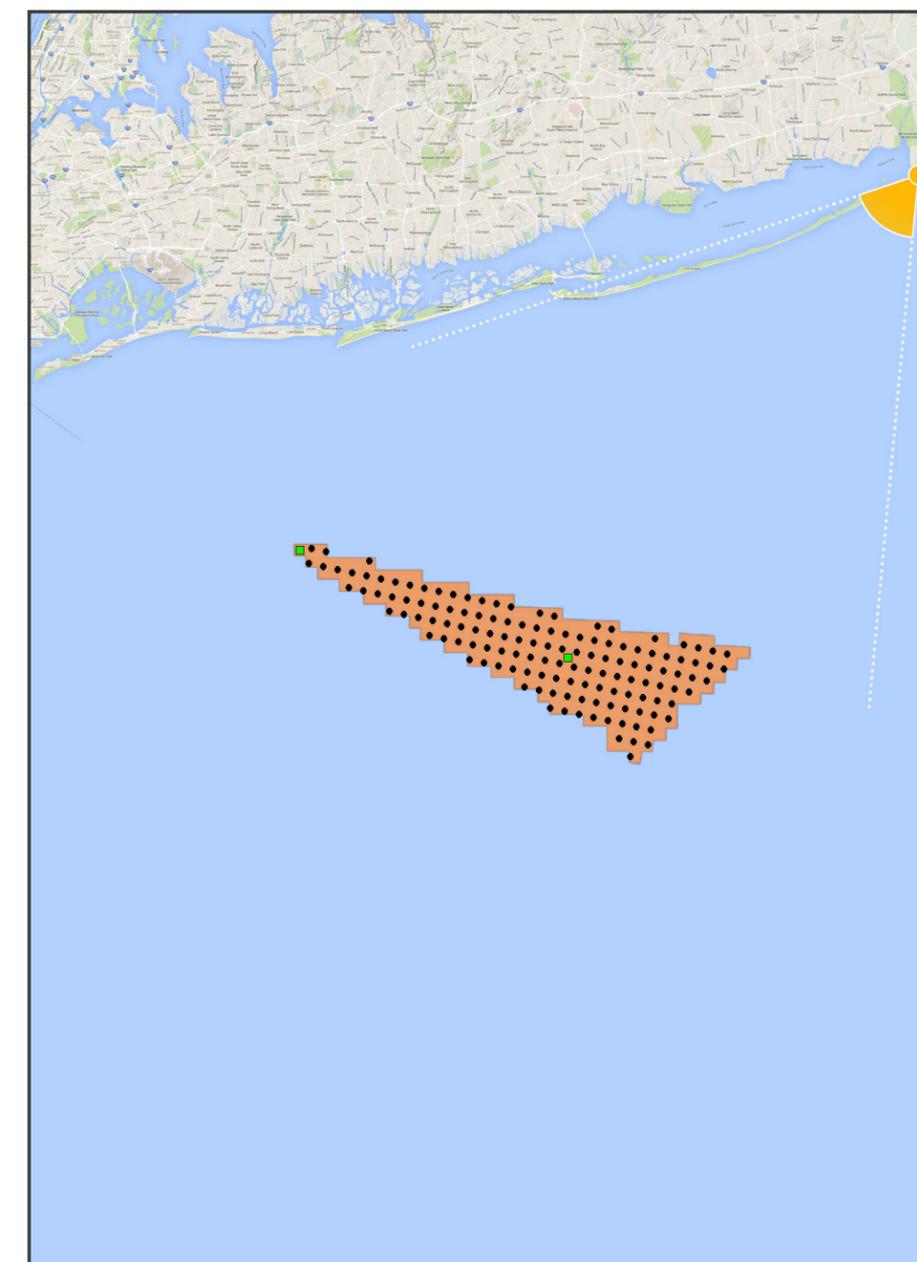
Turbine Information

Distance to Nearest Turbine (NM): 28.4
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
 Rotor Diameter (ft): 498.7
 Total Height to Tip of Blade (ft): 577.4
 Service Platform: 100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



Context Map



● Key Observation Point (KOP) ■ Site Boundary
 ● Turbine ■ Electrical Service Platform



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

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For On-Screen Display:
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For On-Screen Display:
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Scale bar to be 4 inches wide (102 mm)

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Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Otis Pike Fire Island High Dune Wilderness - Visitor Center

Season: Spring
 Time of Day: Midday

Base Photographic Documentation

Date (MM/DD/YYYY): 5/29/2014
 Time (24hr): 11:19
 GPS Longitude: -72.866598
 GPS Latitude: 40.732304
 Viewpoint Elevation (ft): 16.35
 Camera Height (ft): 5.41
 Camera Heading (°): 217

Camera Information

Camera Make & Model: Canon EOS 5D Mark III
 Camera Sensor Size: 36mm x 24mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

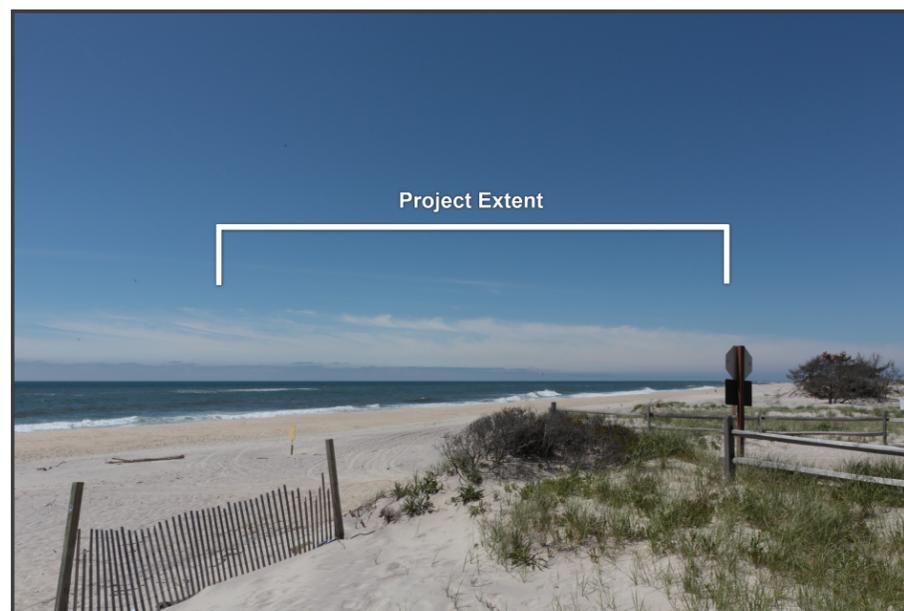
Sun And Weather Information

Sun Azimuth: 128.3116859
 Sun Elevation: 63.08778937
 Lighting Angle (On Turbines): Back-Lit
 Weather Conditions: Partly-Cloudy
 Maximum Visibility (NM): 22.0
 Average Predicted Visibility (NM): 16.0
 Wave Height (ft): 5
 Period (Seconds): 8
 Temperature (°F): 55
 Temperature (°C): 13
 Humidity (%): 57

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



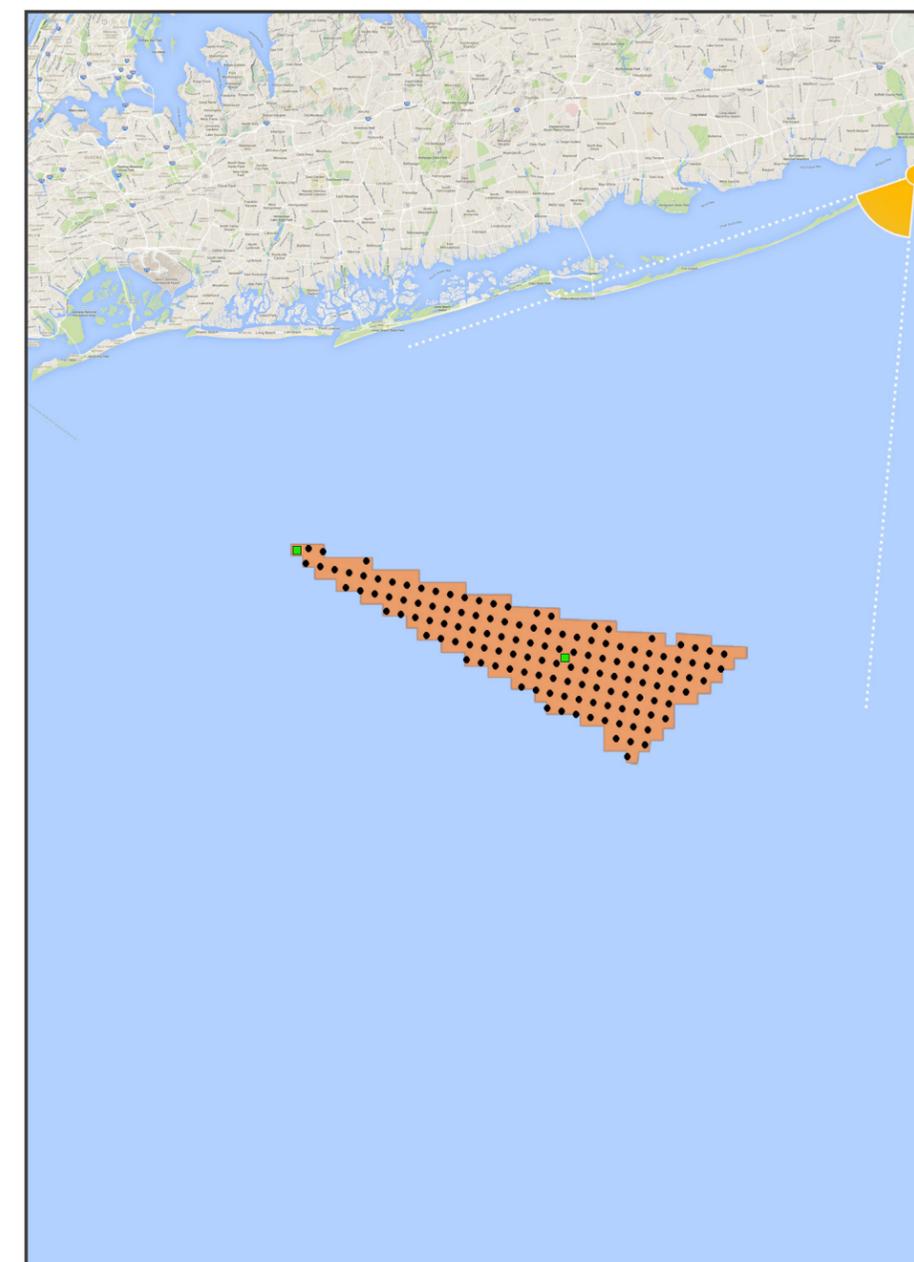
Turbine Information

Distance to Nearest Turbine (NM): 28.4
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
 Rotor Diameter (ft): 498.7
 Total Height to Tip of Blade (ft): 577.4
 Service Platform: 100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



Context Map



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 ● Turbine ■ Electrical Service Platform



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For On-Screen Display:
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Scale bar to be 4 inches wide (102 mm)

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For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Otis Pike Fire Island High Dune Wilderness - Visitor Center

Season: Spring
 Time of Day: Afternoon

Base Photographic Documentation

Date (MM/DD/YYYY): 6/16/2014
 Time (24hr): 14:24
 GPS Longitude: -72.866598
 GPS Latitude: 40.732304
 Viewpoint Elevation (ft): 16.35
 Camera Height (ft): 5.41
 Camera Heading (°): 217

Camera Information

Camera Make & Model: Canon EOS 5D Mark III
 Camera Sensor Size: 36mm x 24mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth: 234.9437966
 Sun Elevation: 64.06887348
 Lighting Angle (On Turbines): Right-Lit
 Weather Conditions: Clear
 Maximum Visibility (NM): 26.6
 Average Predicted Visibility (NM): 16.0
 Wave Height (ft): 0.9
 Period (Seconds): 10
 Temperature (°F): 68
 Temperature (°C): 20
 Humidity (%): 38

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



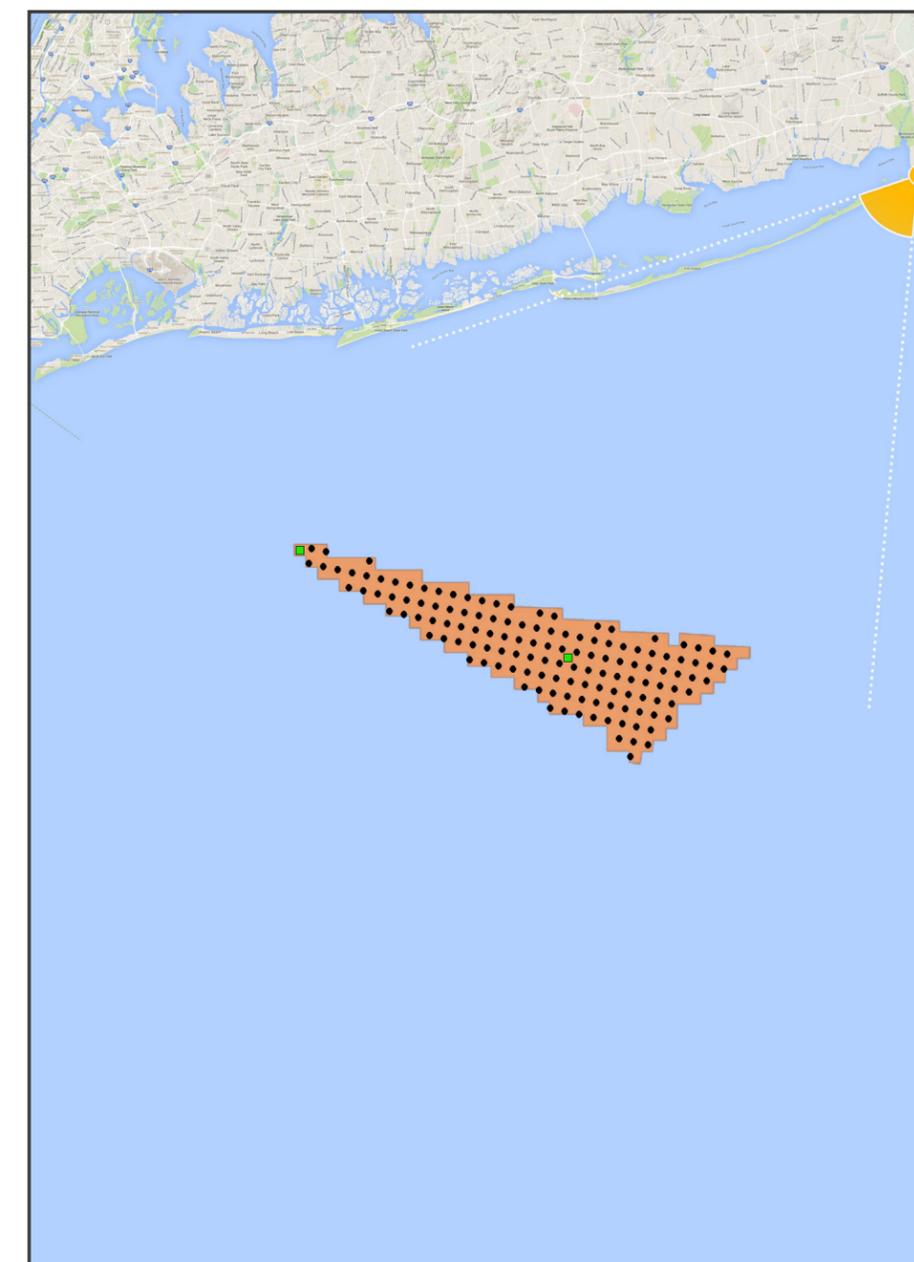
Turbine Information

Distance to Nearest Turbine (NM): 28.4
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
 Rotor Diameter (ft): 498.7
 Total Height to Tip of Blade (ft): 577.4
 Service Platform: 100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



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Viewing distance is 11.2 inches (285 mm)

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Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Sunken Forest
 Season: Spring
 Time of Day: Morning

Base Photographic Documentation

Date (MM/DD/YYYY): 6/19/2014
 Time (24hr): 10:30
 GPS Longitude: -73.112372
 GPS Latitude: 40.654935
 Viewpoint Elevation (ft): 31.31
 Camera Height (ft): 5.41
 Camera Heading (°): 197

Camera Information

Camera Make & Model: Canon EOS 5D Mark III
 Camera Sensor Size: 36mm x 24mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth: 108.7025803
 Sun Elevation: 55.33808792
 Lighting Angle (On Turbines): Left-Lit
 Weather Conditions: Overcast
 Maximum Visibility (NM): 16.3
 Average Predicted Visibility (NM): 15.9
 Wave Height (ft): 1
 Period (Seconds): 10
 Temperature (°F): 72
 Temperature (°C): 22
 Humidity (%): 73

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



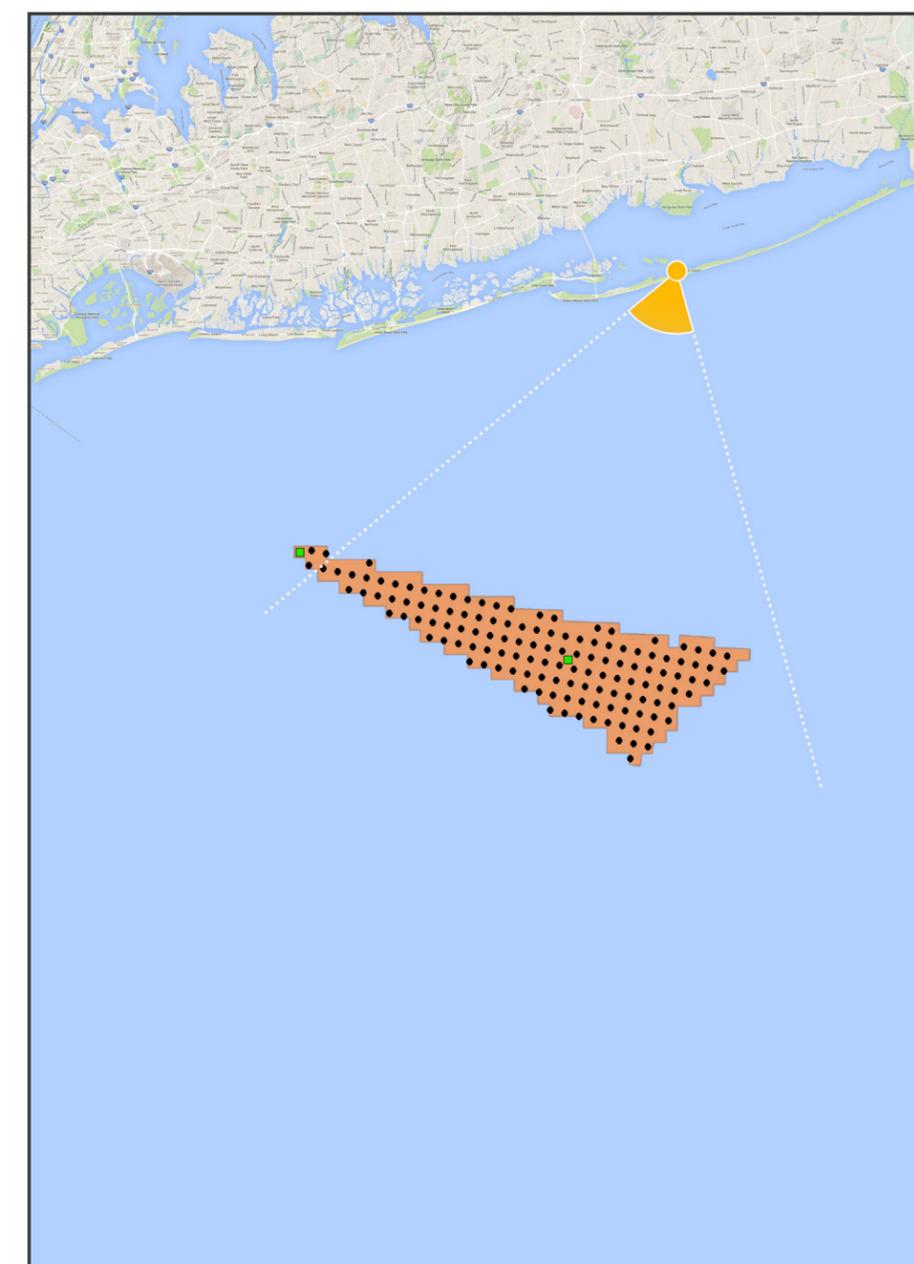
Turbine Information

Distance to Nearest Turbine (NM): 21.0
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
 Rotor Diameter (ft): 498.7
 Total Height to Tip of Blade (ft): 577.4
 Service Platform: 100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



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For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Sunken Forest
Season: Spring
Time of Day: Midday

Base Photographic Documentation

Date (MM/DD/YYYY): 6/20/2014
 Time (24hr): 13:09
 GPS Longitude: -73.112372
 GPS Latitude: 40.654935
 Viewpoint Elevation (ft): 31.31
 Camera Height (ft): 5.41
 Camera Heading (°): 197

Camera Information

Camera Make & Model: Canon EOS 5D Mark III
 Camera Sensor Size: 36mm x 24mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth: 191.4741583
 Sun Elevation: 72.49380278
 Lighting Angle (On Turbines): Back-Lit
 Weather Conditions: Partly-Cloudy
 Maximum Visibility (NM): 28.1
 Average Predicted Visibility (NM): 15.9
 Wave Height (ft): 1
 Period (Seconds): 10
 Temperature (°F): 73
 Temperature (°C): 23
 Humidity (%): 27

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



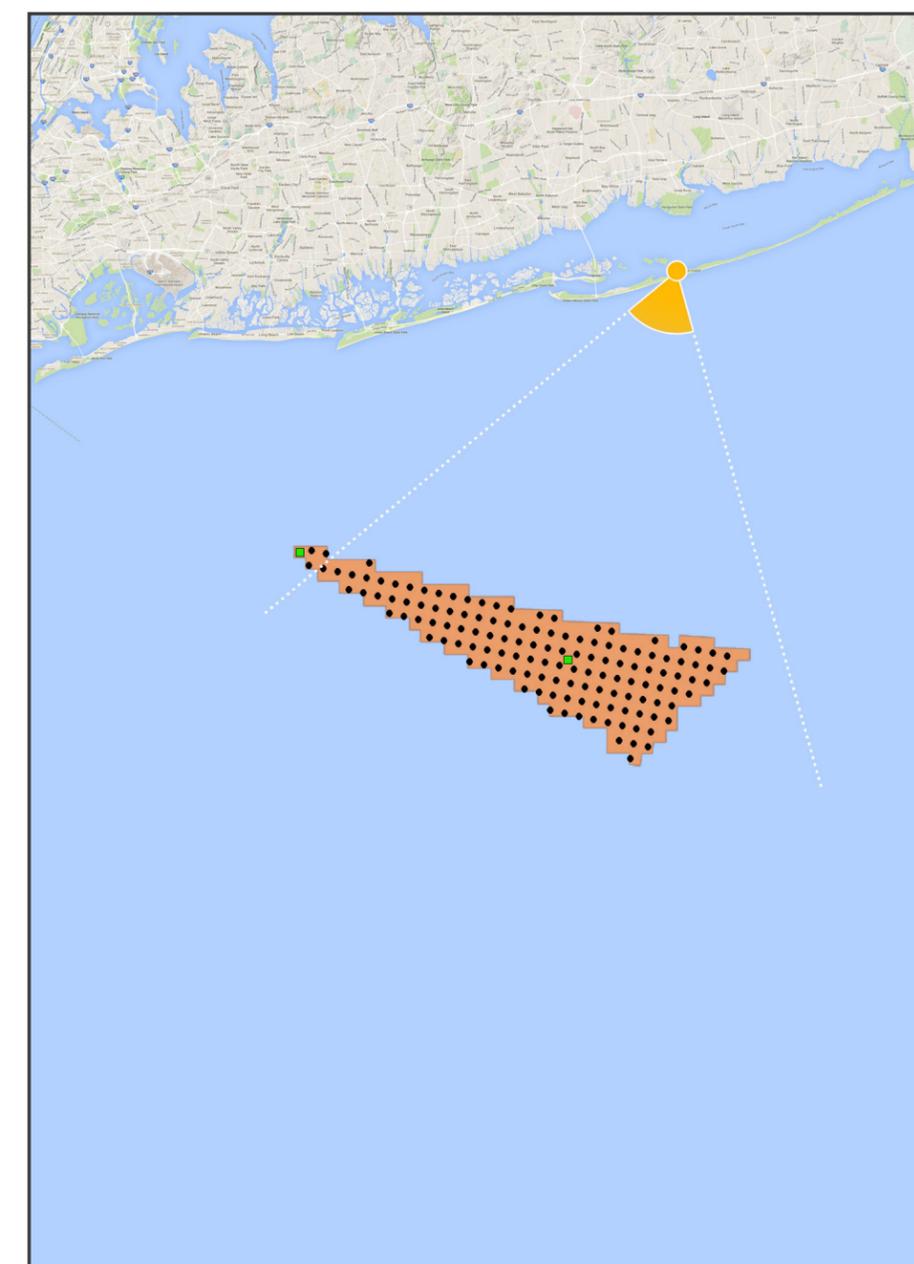
Turbine Information

Distance to Nearest Turbine (NM): 21.0
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
 Rotor Diameter (ft): 498.7
 Total Height to Tip of Blade (ft): 577.4
 Service Platform: 100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



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Viewing distance is 11.2 inches (285 mm)



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Scale bar to be 4 inches wide (102 mm)

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For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Sunken Forest
 Season: Spring
 Time of Day: Afternoon

Base Photographic Documentation

Date (MM/DD/YYYY): 6/20/2014
 Time (24hr): 15:40
 GPS Longitude: -73.112372
 GPS Latitude: 40.654935
 Viewpoint Elevation (ft): 31.31
 Camera Height (ft): 5.41
 Camera Heading (°): 198

Camera Information

Camera Make & Model: Canon EOS 5D Mark III
 Camera Sensor Size: 36mm x 24mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth: 256.4825458
 Sun Elevation: 51.31142853
 Lighting Angle (On Turbines): Right-Lit
 Weather Conditions: Partly-Cloudy
 Maximum Visibility (NM): 28.3
 Average Predicted Visibility (NM): 15.9
 Wave Height (ft): 1
 Period (Seconds): 10
 Temperature (°F): 73
 Temperature (°C): 23
 Humidity (%): 25

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



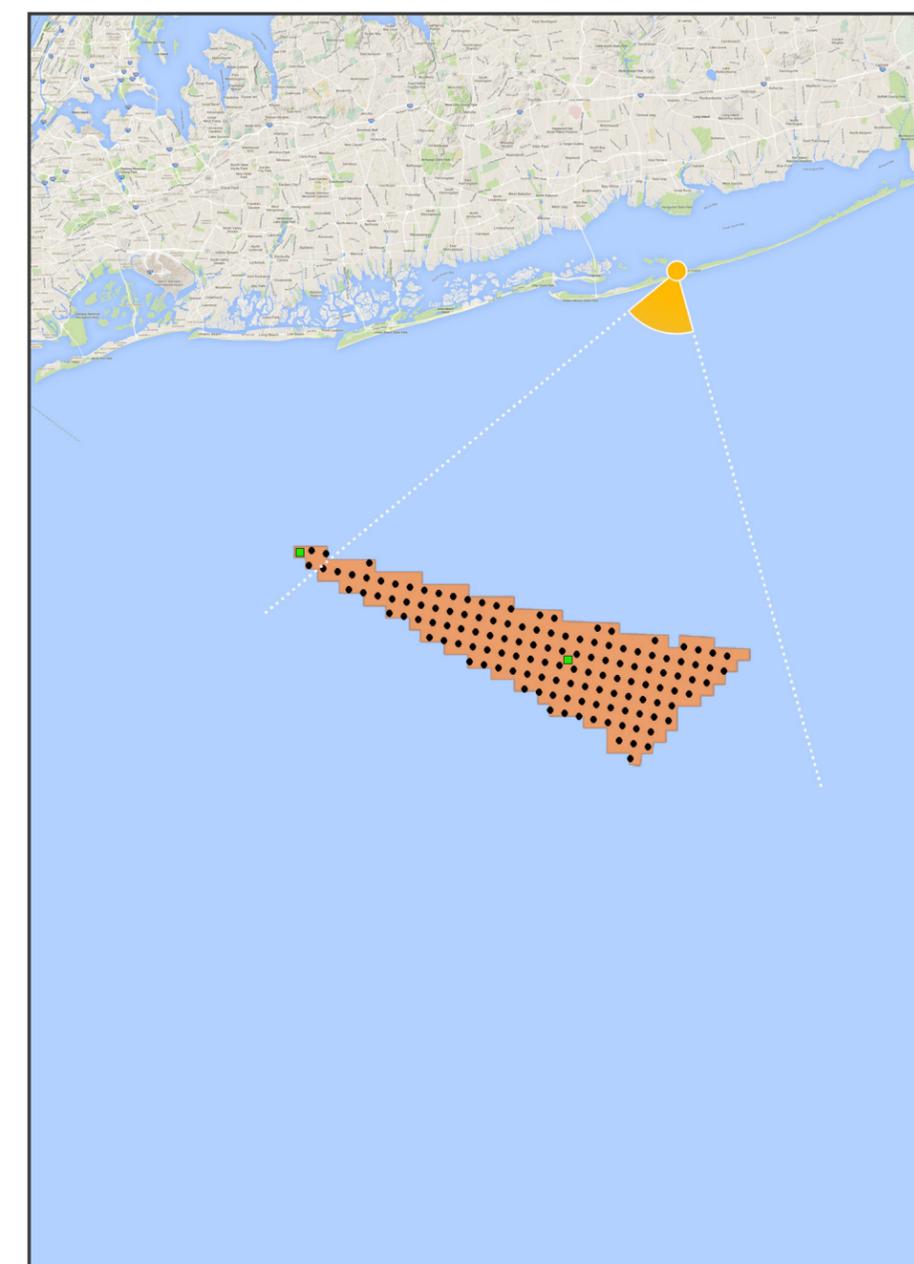
Turbine Information

Distance to Nearest Turbine (NM): 21.0
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
 Rotor Diameter (ft): 498.7
 Total Height to Tip of Blade (ft): 577.4
 Service Platform: 100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



Context Map



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For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Fire Island Light House
Season: Spring
Time of Day: Morning

Base Photographic Documentation

Date (MM/DD/YYYY): 6/21/2014
 Time (24hr): 10:32
 GPS Longitude: -73.218569
 GPS Latitude: 40.632419
 Viewpoint Elevation (ft): 154.68
 Camera Height (ft): 5.41
 Camera Heading (°): 180

Camera Information

Camera Make & Model: Canon EOS 6D
 Camera Sensor Size: 35.8mm x 23.9mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth: 108.9423609
 Sun Elevation: 55.55714794
 Lighting Angle (On Turbines): Back-Lit
 Weather Conditions: Partly-Cloudy
 Maximum Visibility (NM): 27.2
 Average Predicted Visibility (NM): 15.9
 Wave Height (ft): 0.9
 Period (Seconds): 12
 Temperature (°F): 66
 Temperature (°C): 19
 Humidity (%): 34

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



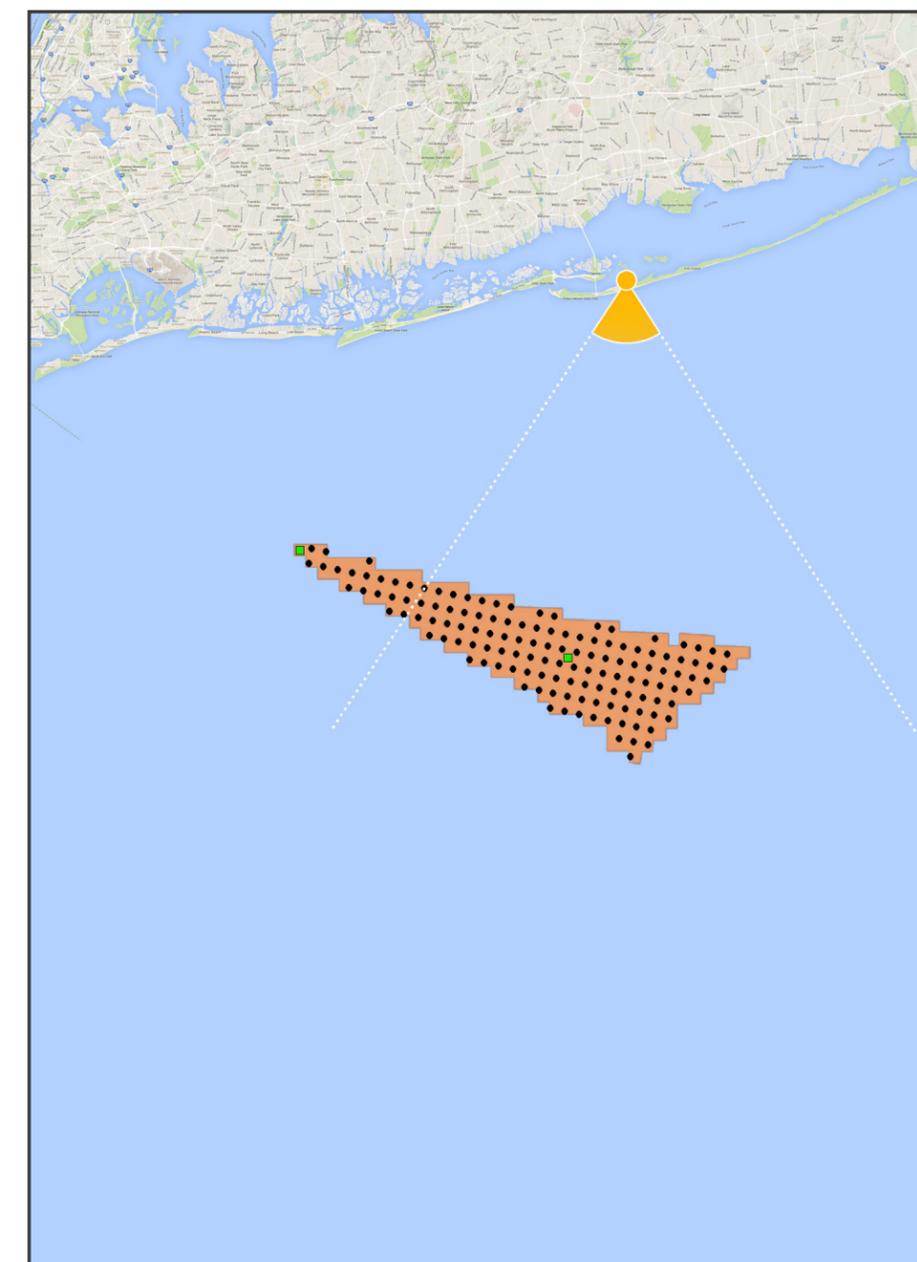
Turbine Information

Distance to Nearest Turbine (NM): 18.7
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
 Rotor Diameter (ft): 498.7
 Total Height to Tip of Blade (ft): 577.4
 Service Platform: 100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



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Scale bar to be 4 inches wide (102 mm)

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Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Fire Island Light House
 Season: Spring
 Time of Day: Midday

Base Photographic Documentation

Date (MM/DD/YYYY): 6/16/2014
 Time (24hr): 12:56
 GPS Longitude: -73.218569
 GPS Latitude: 40.632419
 Viewpoint Elevation (ft): 154.68
 Camera Height (ft): 5.41
 Camera Heading (°): 181

Camera Information

Camera Make & Model: Canon EOS 5D Mark III
 Camera Sensor Size: 36mm x 24mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth: 181.8573101
 Sun Elevation: 72.71782057
 Lighting Angle (On Turbines): Back-Lit
 Weather Conditions: Clear
 Maximum Visibility (NM): 27.2
 Average Predicted Visibility (NM): 15.9
 Wave Height (ft): 0.8
 Period (Seconds): 10
 Temperature (°F): 70
 Temperature (°C): 21
 Humidity (%): 34

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



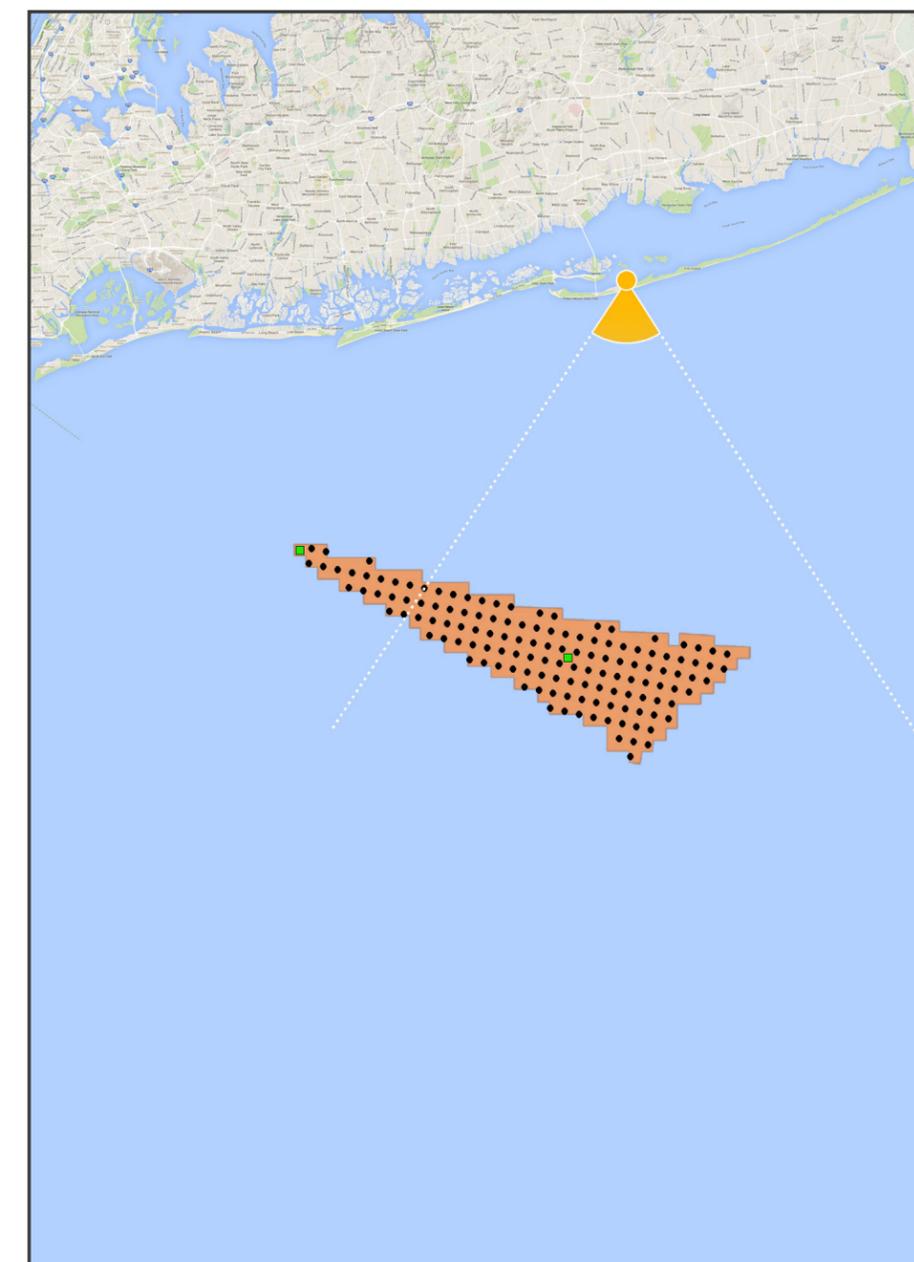
Turbine Information

Distance to Nearest Turbine (NM): 18.7
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
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Scale Bar



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For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Fire Island Light House
 Season: Spring
 Time of Day: Afternoon

Base Photographic Documentation

Date (MM/DD/YYYY): 5/29/2014
 Time (24hr): 13:58
 GPS Longitude: -73.218569
 GPS Latitude: 40.632419
 Viewpoint Elevation (ft): 154.68
 Camera Height (ft): 5.41
 Camera Heading (°): 181

Camera Information

Camera Make & Model: Canon EOS 5D Mark III
 Camera Sensor Size: 36mm x 24mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth: 222.1892595
 Sun Elevation: 66.24331303
 Lighting Angle (On Turbines): Right-Lit
 Weather Conditions: Partly-Cloudy
 Maximum Visibility (NM): 21.1
 Average Predicted Visibility (NM): 15.9
 Wave Height (ft): 4.5
 Period (Seconds): 8
 Temperature (°F): 55
 Temperature (°C): 13
 Humidity (%): 60

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



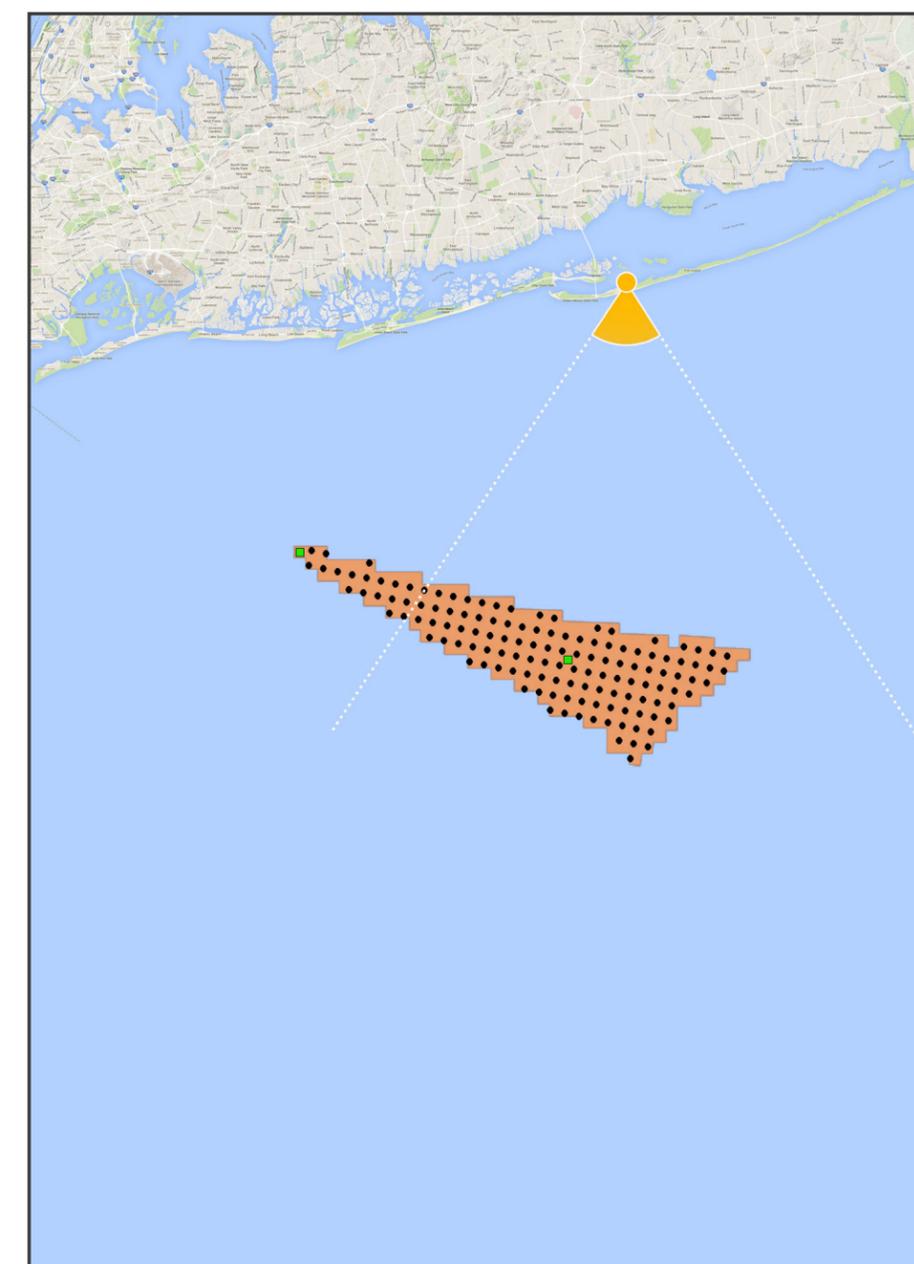
Turbine Information

Distance to Nearest Turbine (NM): 18.7
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
 Rotor Diameter (ft): 498.7
 Total Height to Tip of Blade (ft): 577.4
 Service Platform: 100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



Context Map



● Key Observation Point (KOP) ■ Site Boundary
 ● Turbine ■ Electrical Service Platform



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Green-Wood Cemetery

Season: Spring

Time of Day: Morning

Base Photographic Documentation

Date (MM/DD/YYYY):	5/30/2014
Time (24hr):	10:34
GPS Longitude:	-73.985403
GPS Latitude:	40.655679
Viewpoint Elevation (ft):	190.05
Camera Height (ft):	5.41
Camera Heading (°):	119

Camera Information

Camera Make & Model:	Canon EOS 5D Mark III
Camera Sensor Size:	36mm x 24mm
Lens Make & Model:	EF28mm f/1.8 USM
Lens Focal Length:	28mm
Field of View:	65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth:	111.993286
Sun Elevation:	55.08012184
Lighting Angle (On Turbines):	Back-Lit
Weather Conditions:	Partly-Cloudy
Maximum Visibility (NM):	24.0
Average Predicted Visibility (NM):	20.2
Wave Height (ft):	N/A
Period (Seconds):	N/A
Temperature (°F):	66
Temperature (°C):	19
Humidity (%):	50

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



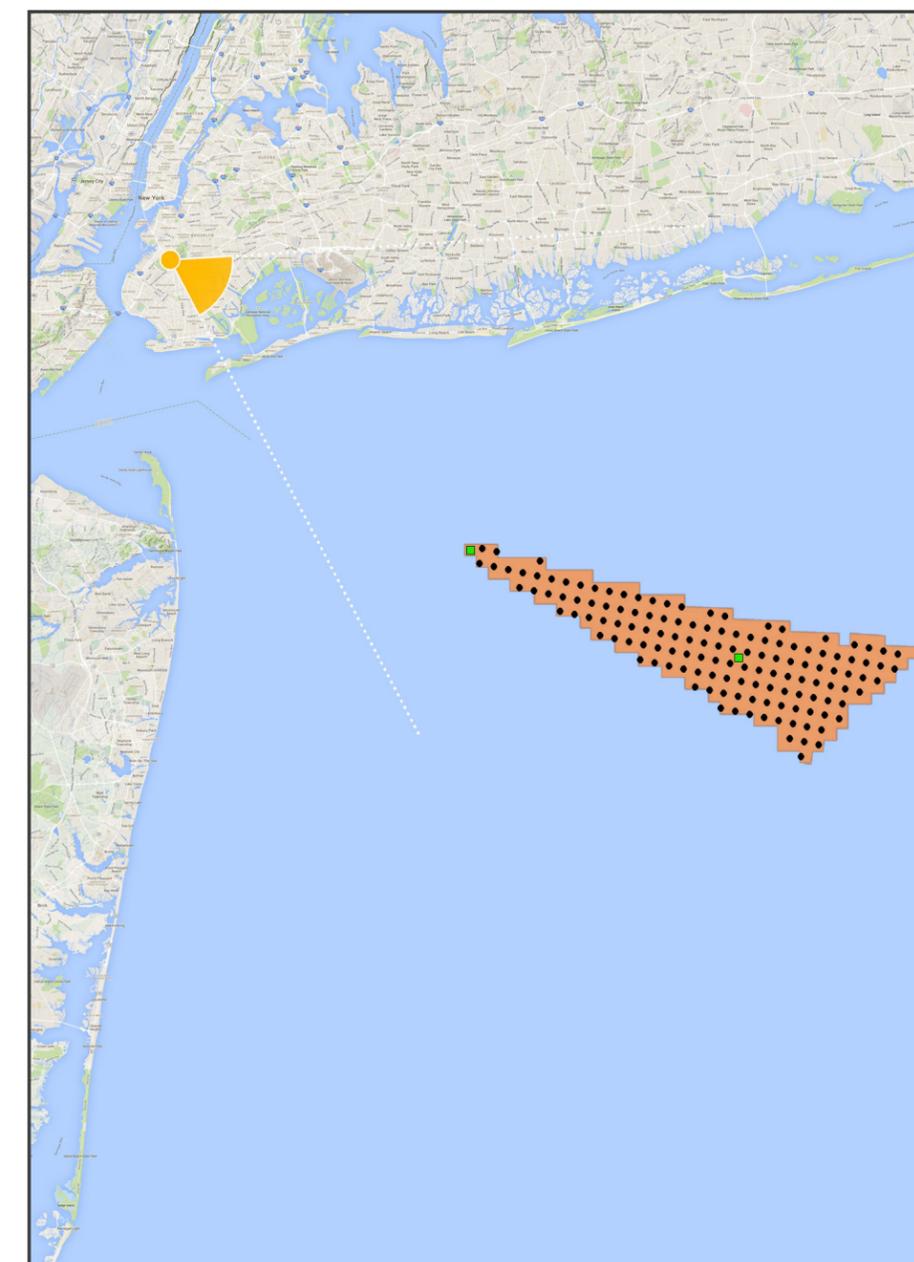
Turbine Information

Distance to Nearest Turbine (NM):	23.5
Make & Model:	Senvion 6.2M 152
Number of Turbines:	134
Hub Height (ft):	328.1
Support Structure Height (ft):	25
Rotor Diameter (ft):	498.7
Total Height to Tip of Blade (ft):	577.4
Service Platform:	100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



Context Map



● Key Observation Point (KOP) ■ Site Boundary
 ● Turbine ■ Electrical Service Platform



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Green-Wood Cemetery

Season: Spring

Time of Day: Midday

Base Photographic Documentation

Date (MM/DD/YYYY):	6/18/2014
Time (24hr):	12:28
GPS Longitude:	-73.985403
GPS Latitude:	40.655679
Viewpoint Elevation (ft):	190.05
Camera Height (ft):	5.41
Camera Heading (°):	119

Camera Information

Camera Make & Model:	Canon EOS 5D Mark III
Camera Sensor Size:	36mm x 24mm
Lens Make & Model:	EF28mm f/1.8 USM
Lens Focal Length:	28mm
Field of View:	65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth:	158.2817042
Sun Elevation:	71.70162285
Lighting Angle (On Turbines):	Back-Lit
Weather Conditions:	Partly-Cloudy
Maximum Visibility (NM):	26.2
Average Predicted Visibility (NM):	20.2
Wave Height (ft):	N/A
Period (Seconds):	N/A
Temperature (°F):	86
Temperature (°C):	30
Humidity (%):	40

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



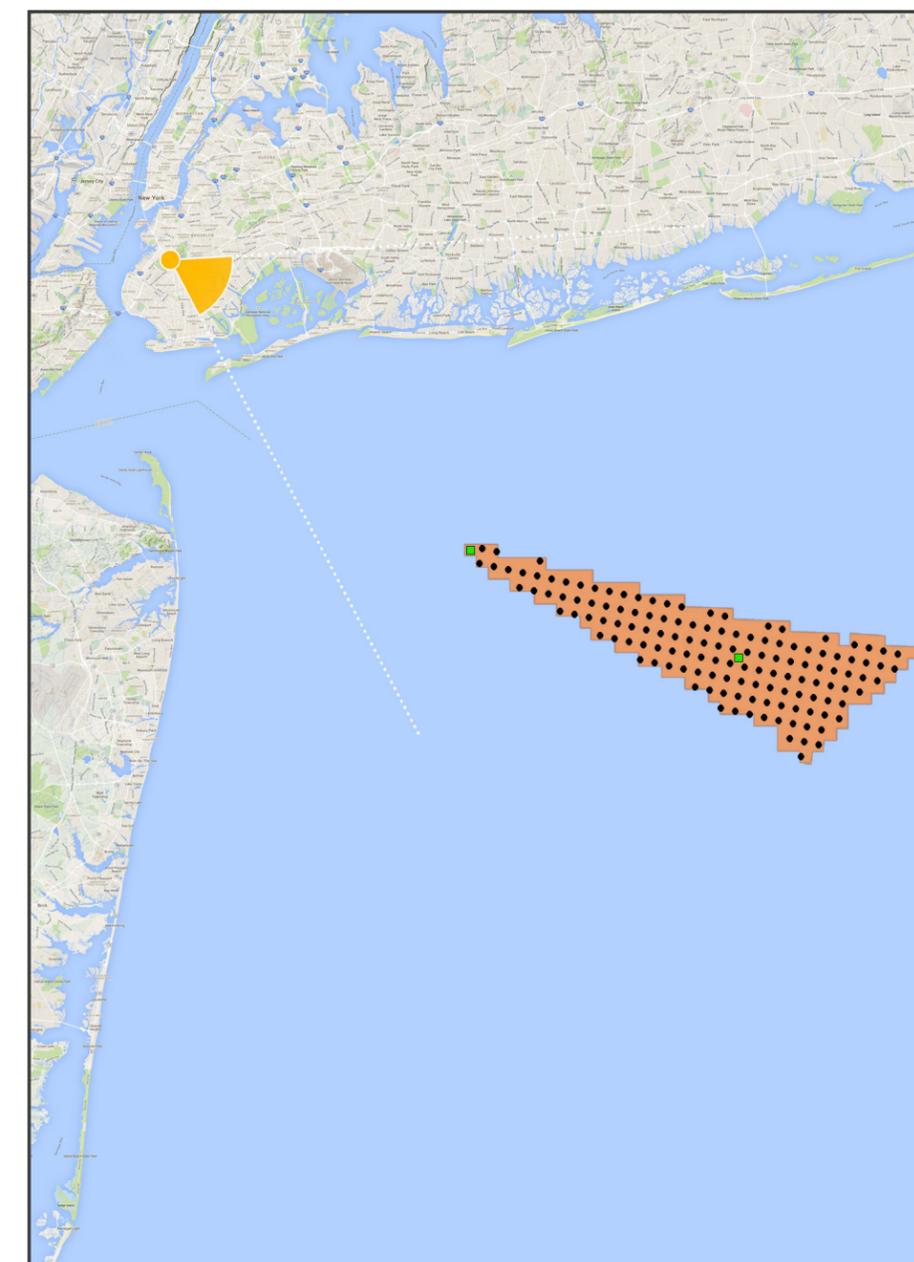
Turbine Information

Distance to Nearest Turbine (NM):	23.5
Make & Model:	Senvion 6.2M 152
Number of Turbines:	134
Hub Height (ft):	328.1
Support Structure Height (ft):	25
Rotor Diameter (ft):	498.7
Total Height to Tip of Blade (ft):	577.4
Service Platform:	100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



Context Map



● Key Observation Point (KOP) ■ Site Boundary
 ● Turbine ■ Electrical Service Platform



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Green-Wood Cemetery
 Season: Spring
 Time of Day: Afternoon

Base Photographic Documentation

Date (MM/DD/YYYY): 6/18/2014
 Time (24hr): 15:15
 GPS Longitude: -73.985403
 GPS Latitude: 40.655679
 Viewpoint Elevation (ft): 190.05
 Camera Height (ft): 5.41
 Camera Heading (°): 119

Camera Information

Camera Make & Model: Canon EOS 5D Mark III
 Camera Sensor Size: 36mm x 24mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

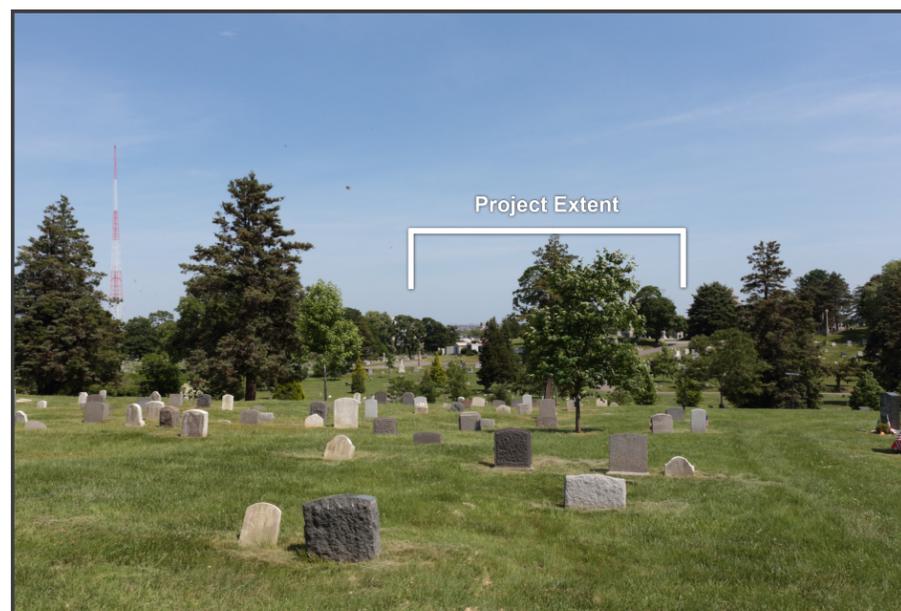
Sun And Weather Information

Sun Azimuth: 249.7632172
 Sun Elevation: 56.38843751
 Lighting Angle (On Turbines): Right-Lit
 Weather Conditions: Partly-Cloudy
 Maximum Visibility (NM): 27.1
 Average Predicted Visibility (NM): 20.2
 Wave Height (ft): N/A
 Period (Seconds): N/A
 Temperature (°F): 88
 Temperature (°C): 31
 Humidity (%): 35

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



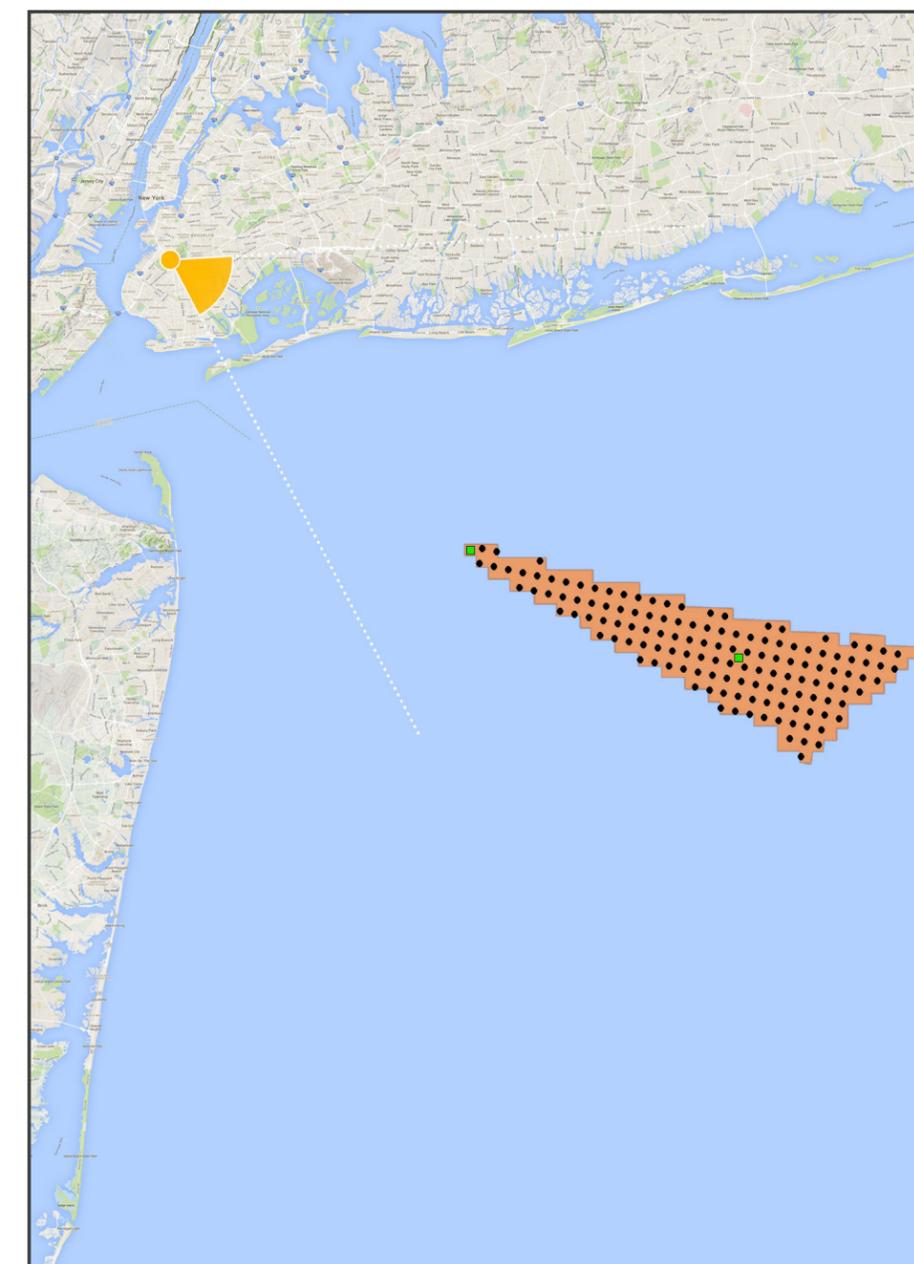
Turbine Information

Distance to Nearest Turbine (NM): 23.5
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
 Rotor Diameter (ft): 498.7
 Total Height to Tip of Blade (ft): 577.4
 Service Platform: 100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



Context Map



● Key Observation Point (KOP) ■ Site Boundary
 ● Turbine ■ Electrical Service Platform



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Jacob Riis Park
 Season: Spring
 Time of Day: Morning

Base Photographic Documentation

Date (MM/DD/YYYY): 6/18/2014
 Time (24hr): 09:10
 GPS Longitude: -73.869745
 GPS Latitude: 40.565889
 Viewpoint Elevation (ft): 15.57
 Camera Height (ft): 5.41
 Camera Heading (°): 115

Camera Information

Camera Make & Model: Canon EOS 5D Mark III
 Camera Sensor Size: 36mm x 24mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth: 91.96674233
 Sun Elevation: 39.91089532
 Lighting Angle (On Turbines): Back-Lit
 Weather Conditions: Clear
 Maximum Visibility (NM): 24.8
 Average Predicted Visibility (NM): 17.7
 Wave Height (ft): 2
 Period (Seconds): 5
 Temperature (°F): 82
 Temperature (°C): 28
 Humidity (%): 47

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



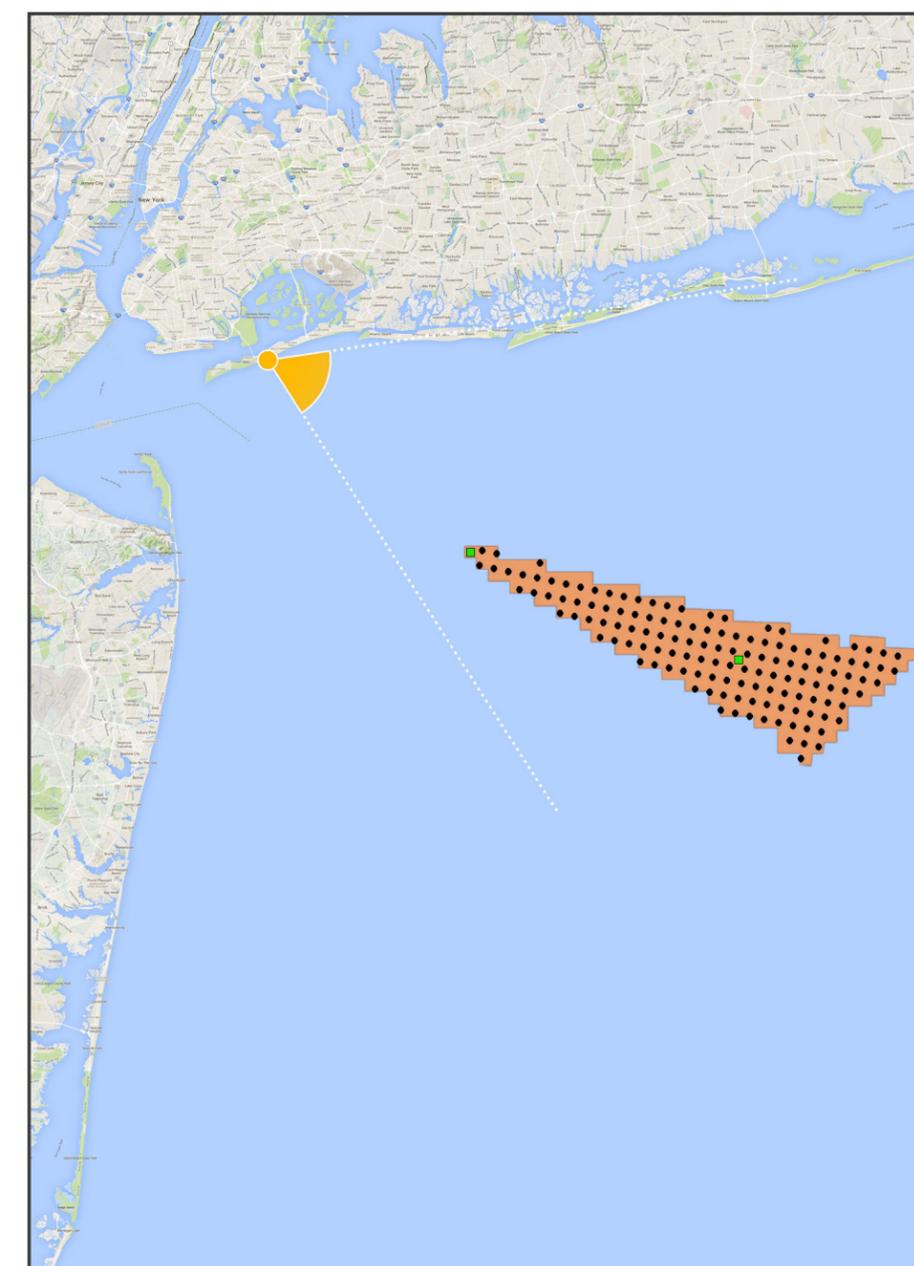
Turbine Information

Distance to Nearest Turbine (NM): 15.9
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
 Rotor Diameter (ft): 498.7
 Total Height to Tip of Blade (ft): 577.4
 Service Platform: 100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



Context Map



● Key Observation Point (KOP) ■ Site Boundary
 ● Turbine ■ Electrical Service Platform



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Jacob Riis Park
Season: Spring
Time of Day: Midday

Base Photographic Documentation

Date (MM/DD/YYYY): 6/21/2014
 Time (24hr): 12:47
 GPS Longitude: -73.869745
 GPS Latitude: 40.565889
 Viewpoint Elevation (ft): 15.57
 Camera Height (ft): 5.41
 Camera Heading (°): 114

Camera Information

Camera Make & Model: Canon EOS 6D
 Camera Sensor Size: 35.8mm x 23.9mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth: 172.027898
 Sun Elevation: 72.73297457
 Lighting Angle (On Turbines): Back-Lit
 Weather Conditions: Partly-Cloudy
 Maximum Visibility (NM): 27.1
 Average Predicted Visibility (NM): 17.7
 Wave Height (ft): 0.8
 Period (Seconds): 9
 Temperature (°F): 68
 Temperature (°C): 20
 Humidity (%): 35

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



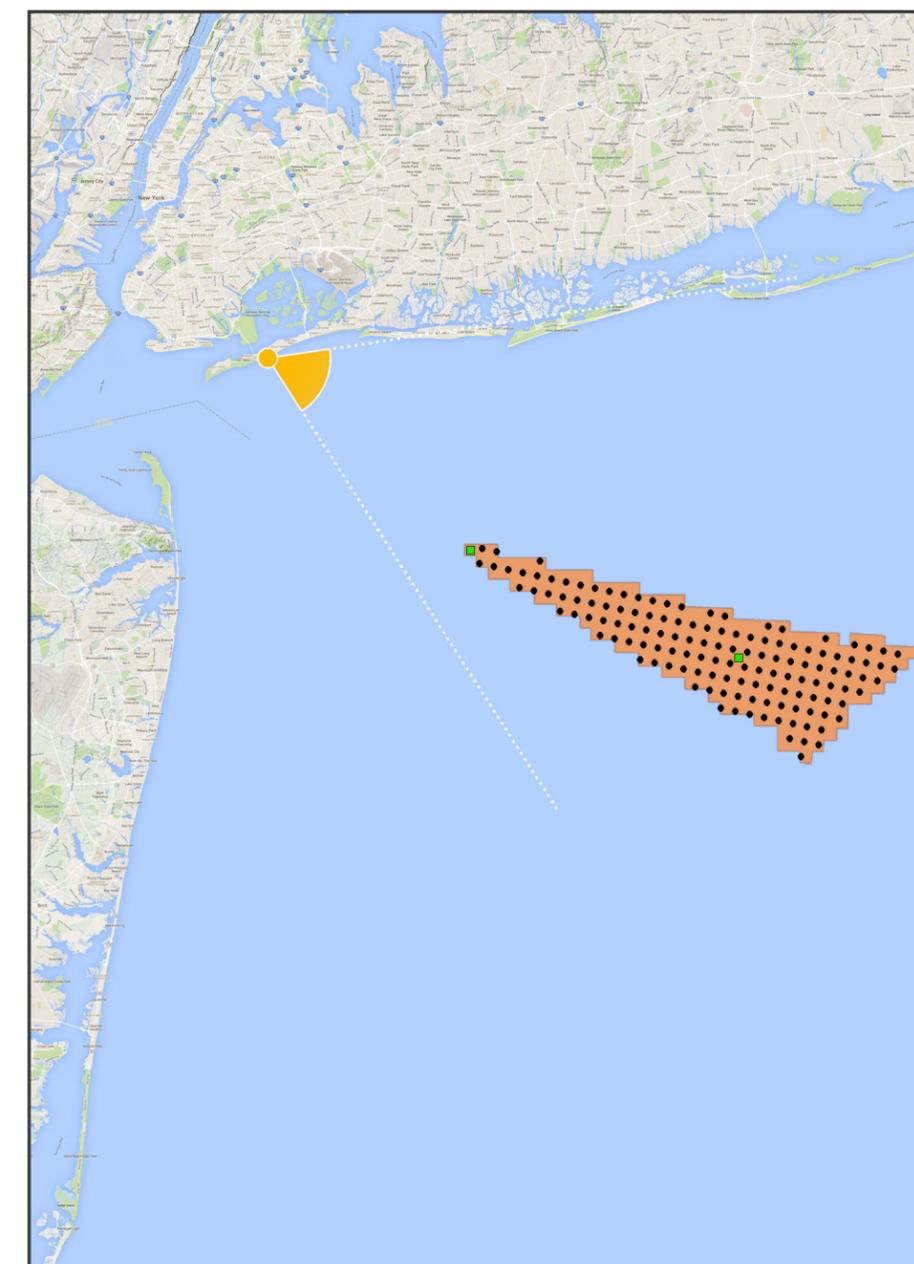
Turbine Information

Distance to Nearest Turbine (NM): 15.9
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
 Rotor Diameter (ft): 498.7
 Total Height to Tip of Blade (ft): 577.4
 Service Platform: 100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



Context Map



● Key Observation Point (KOP) ■ Site Boundary
 ● Turbine ■ Electrical Service Platform



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Jacob Riis Park
 Season: Spring
 Time of Day: Afternoon

Base Photographic Documentation

Date (MM/DD/YYYY):	5/30/2014
Time (24hr):	14:24
GPS Longitude:	-73.869745
GPS Latitude:	40.565889
Viewpoint Elevation (ft):	15.57
Camera Height (ft):	5.41
Camera Heading (°):	115

Camera Information

Camera Make & Model:	Canon EOS 5D Mark III
Camera Sensor Size:	36mm x 24mm
Lens Make & Model:	EF28mm f/1.8 USM
Lens Focal Length:	28mm
Field of View:	65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth:	232.6167687
Sun Elevation:	63.15455445
Lighting Angle (On Turbines):	Right-Lit
Weather Conditions:	Partly-Cloudy
Maximum Visibility (NM):	19.4
Average Predicted Visibility (NM):	17.7
Wave Height (ft):	2.5
Period (Seconds):	8
Temperature (°F):	66
Temperature (°C):	19
Humidity (%):	65

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



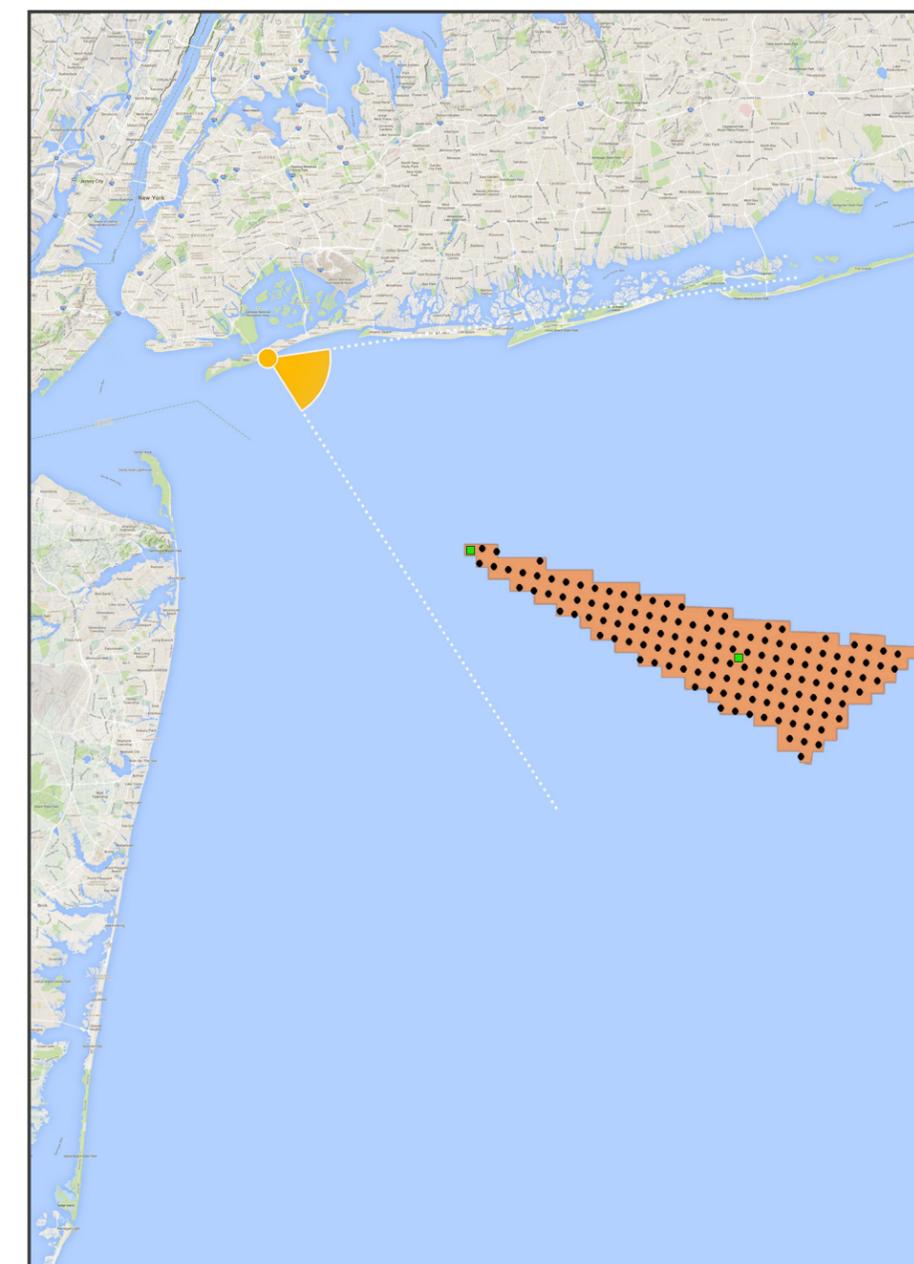
Turbine Information

Distance to Nearest Turbine (NM):	15.9
Make & Model:	Senvion 6.2M 152
Number of Turbines:	134
Hub Height (ft):	328.1
Support Structure Height (ft):	25
Rotor Diameter (ft):	498.7
Total Height to Tip of Blade (ft):	577.4
Service Platform:	100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



Context Map



● Key Observation Point (KOP) ■ Site Boundary
 ● Turbine ■ Electrical Service Platform



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Breezy Point
 Season: Spring
 Time of Day: Morning

Base Photographic Documentation

Date (MM/DD/YYYY): 6/18/2014
 Time (24hr): 08:39
 GPS Longitude: -73.93107
 GPS Latitude: 40.547231
 Viewpoint Elevation (ft): 7.95
 Camera Height (ft): 5.41
 Camera Heading (°): 107

Camera Information

Camera Make & Model: Canon EOS 5D Mark III
 Camera Sensor Size: 36mm x 24mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth: 86.91408828
 Sun Elevation: 33.97881919
 Lighting Angle (On Turbines): Back-Lit
 Weather Conditions: Clear
 Maximum Visibility (NM): 24.8
 Average Predicted Visibility (NM): 17.7
 Wave Height (ft): 0.6
 Period (Seconds): 10
 Temperature (°F): 82
 Temperature (°C): 28
 Humidity (%): 47

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



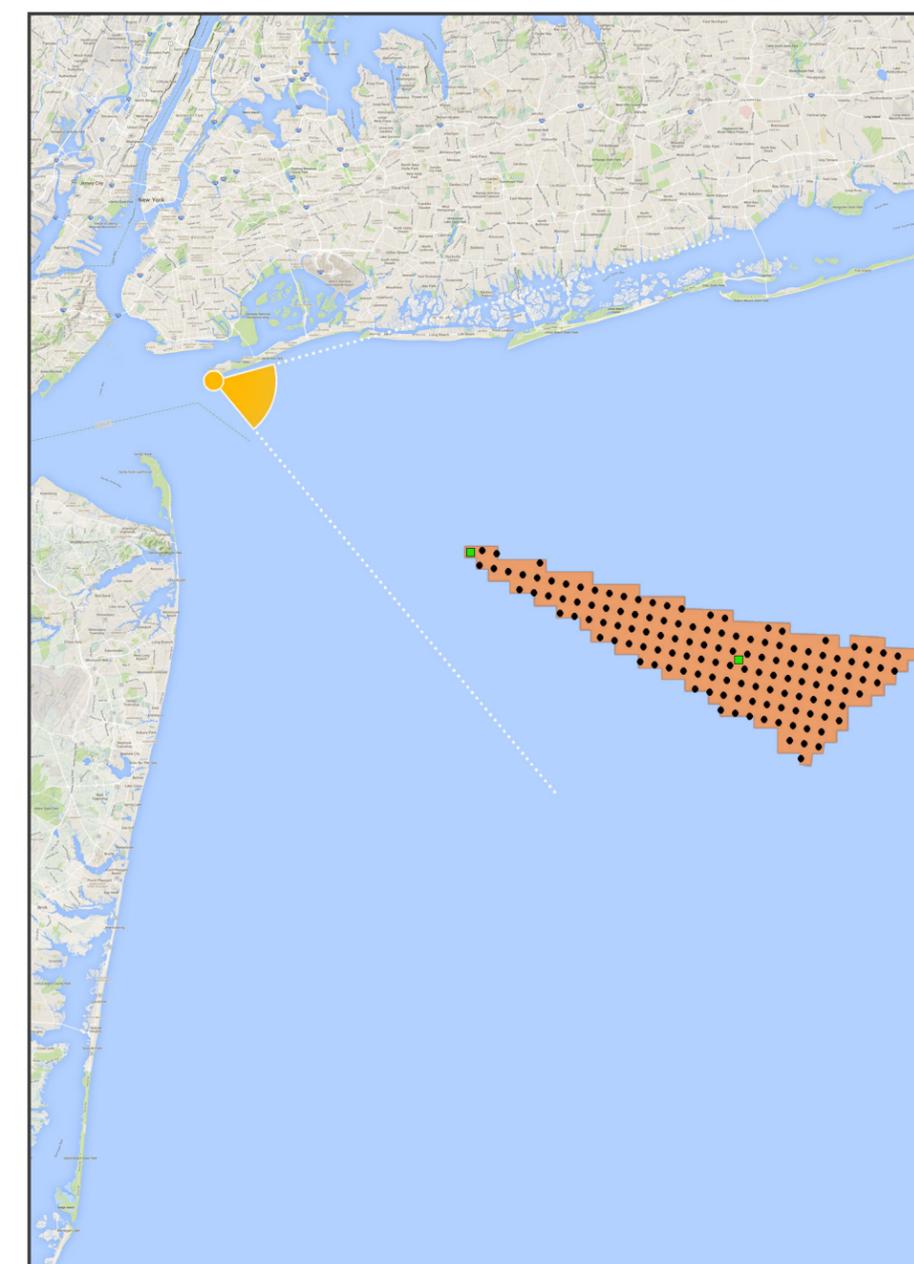
Turbine Information

Distance to Nearest Turbine (NM): 17.5
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
 Rotor Diameter (ft): 498.7
 Total Height to Tip of Blade (ft): 577.4
 Service Platform: 100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



Context Map



● Key Observation Point (KOP) ■ Site Boundary
 ● Turbine ■ Electrical Service Platform



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Breezy Point
Season: Spring
Time of Day: Midday

Base Photographic Documentation

Date (MM/DD/YYYY): 5/30/2014
 Time (24hr): 13:02
 GPS Longitude: -73.93107
 GPS Latitude: 40.547231
 Viewpoint Elevation (ft): 7.95
 Camera Height (ft): 5.41
 Camera Heading (°): 107

Camera Information

Camera Make & Model: Canon EOS 5D Mark III
 Camera Sensor Size: 36mm x 24mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth: 186.2914815
 Sun Elevation: 71.18963833
 Lighting Angle (On Turbines): Right-Lit
 Weather Conditions: Partly-Cloudy
 Maximum Visibility (NM): 23.2
 Average Predicted Visibility (NM): 17.7
 Wave Height (ft): 2.5
 Period (Seconds): 8
 Temperature (°F): 66
 Temperature (°C): 19
 Humidity (%): 53

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



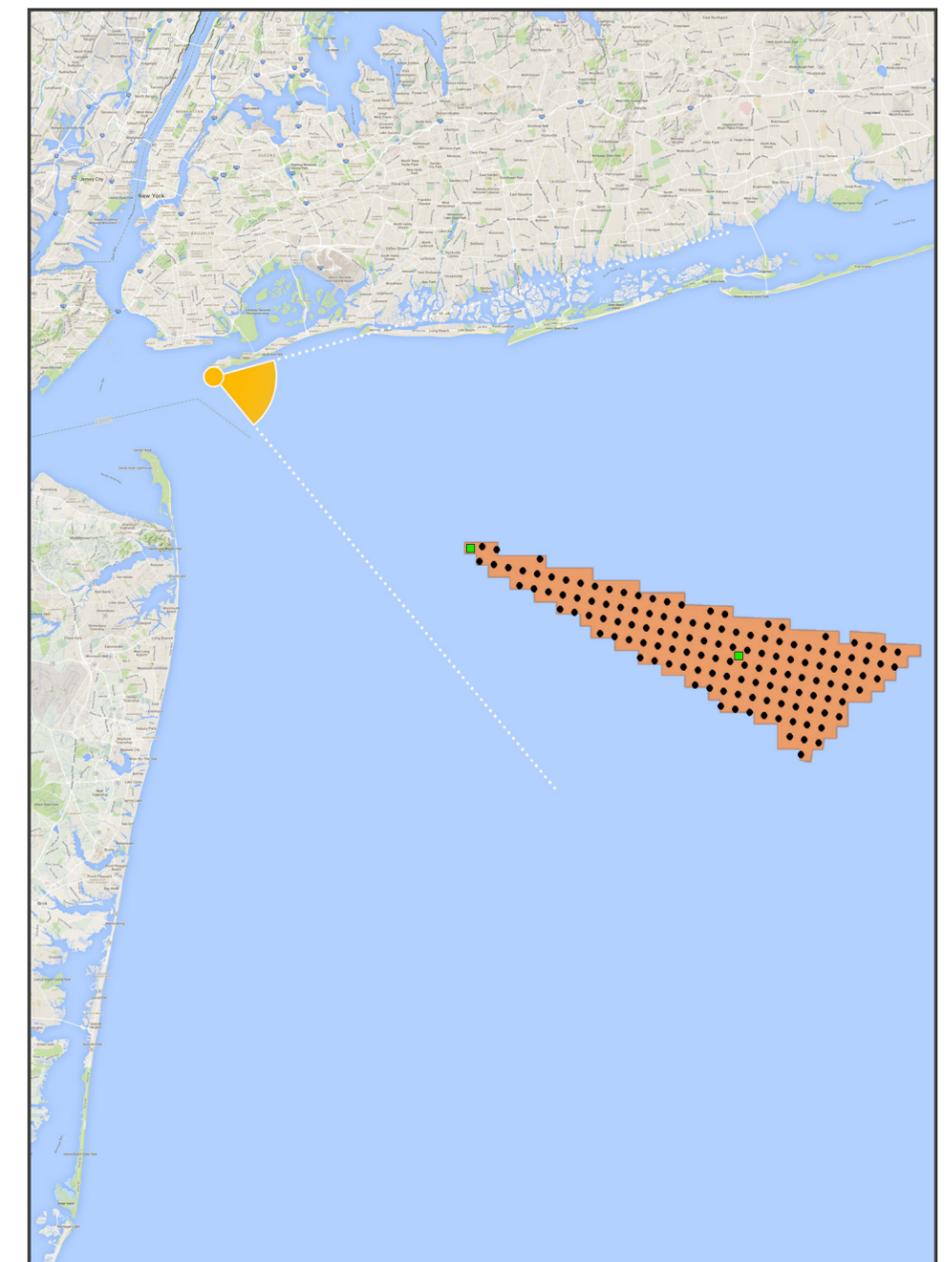
Turbine Information

Distance to Nearest Turbine (NM): 17.5
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
 Rotor Diameter (ft): 498.7
 Total Height to Tip of Blade (ft): 577.4
 Service Platform: 100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



Context Map



● Key Observation Point (KOP) ■ Site Boundary
 ● Turbine ■ Electrical Service Platform



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Breezy Point
 Season: Spring
 Time of Day: Afternoon

Base Photographic Documentation

Date (MM/DD/YYYY): 6/16/2014
 Time (24hr): 16:41
 GPS Longitude: -73.93107
 GPS Latitude: 40.547231
 Viewpoint Elevation (ft): 7.95
 Camera Height (ft): 5.41
 Camera Heading (°): 108

Camera Information

Camera Make & Model: Canon EOS 5D Mark III
 Camera Sensor Size: 36mm x 24mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth: 267.6512486
 Sun Elevation: 40.28202575
 Lighting Angle (On Turbines): Front-Lit
 Weather Conditions: Clear
 Maximum Visibility (NM): 26.6
 Average Predicted Visibility (NM): 17.7
 Wave Height (ft): 0.7
 Period (Seconds): 7
 Temperature (°F): 73
 Temperature (°C): 23
 Humidity (%): 38

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



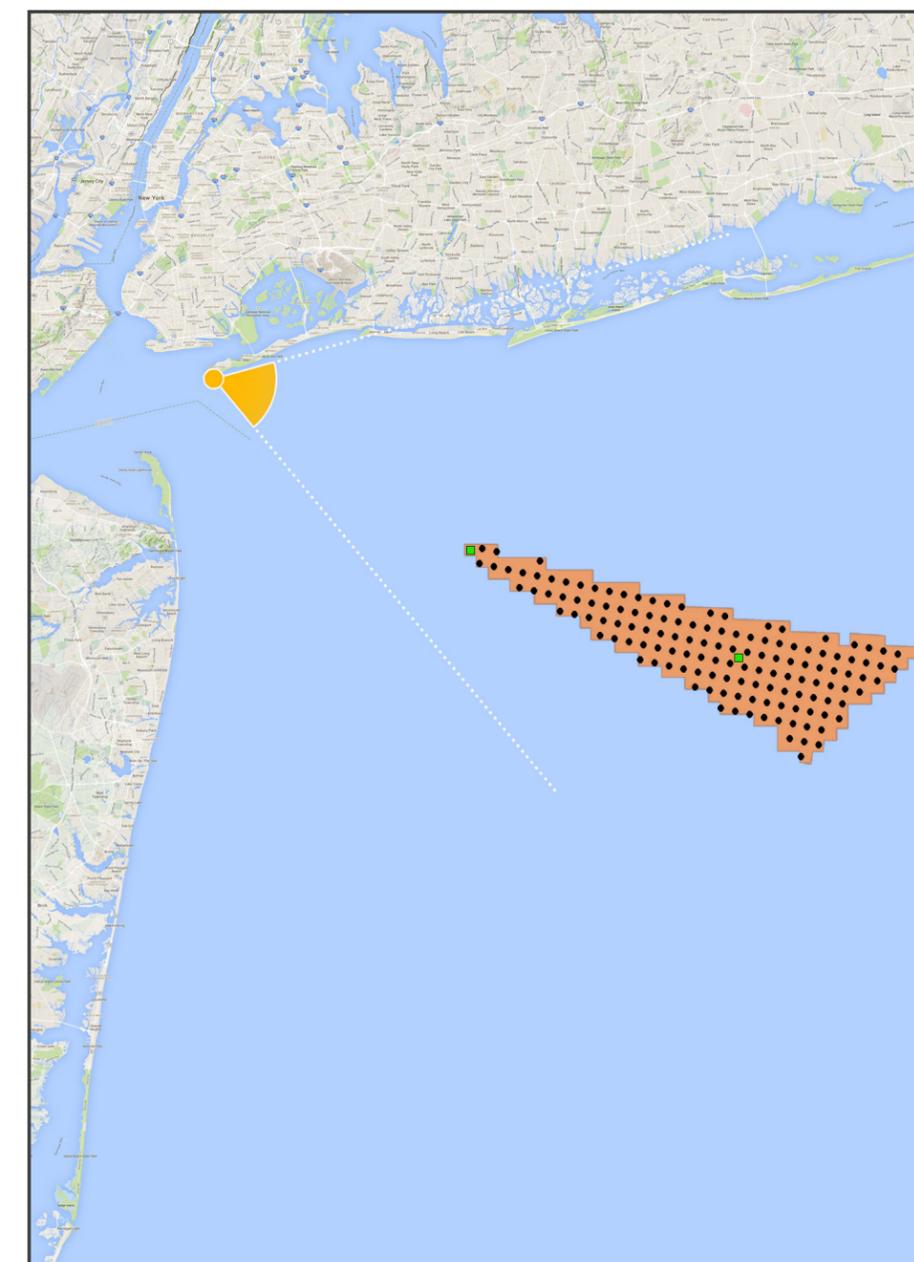
Turbine Information

Distance to Nearest Turbine (NM): 17.5
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
 Rotor Diameter (ft): 498.7
 Total Height to Tip of Blade (ft): 577.4
 Service Platform: 100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



Context Map



● Key Observation Point (KOP) ■ Site Boundary
 ● Turbine ■ Electrical Service Platform



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Fort Wadsworth
Season: Spring
Time of Day: Morning

Base Photographic Documentation

Date (MM/DD/YYYY): 6/18/2014
 Time (24hr): 09:49
 GPS Longitude: -74.05371
 GPS Latitude: 40.599661
 Viewpoint Elevation (ft): 8.21
 Camera Height (ft): 5.41
 Camera Heading (°): 116

Camera Information

Camera Make & Model: Canon EOS 5D Mark III
 Camera Sensor Size: 36mm x 24mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth: 98.88122146
 Sun Elevation: 47.13612742
 Lighting Angle (On Turbines): Back-Lit
 Weather Conditions: Clear
 Maximum Visibility (NM): 24.5
 Average Predicted Visibility (NM): 20.2
 Wave Height (ft): 0.6
 Period (Seconds): 10
 Temperature (°F): 82
 Temperature (°C): 28
 Humidity (%): 48

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



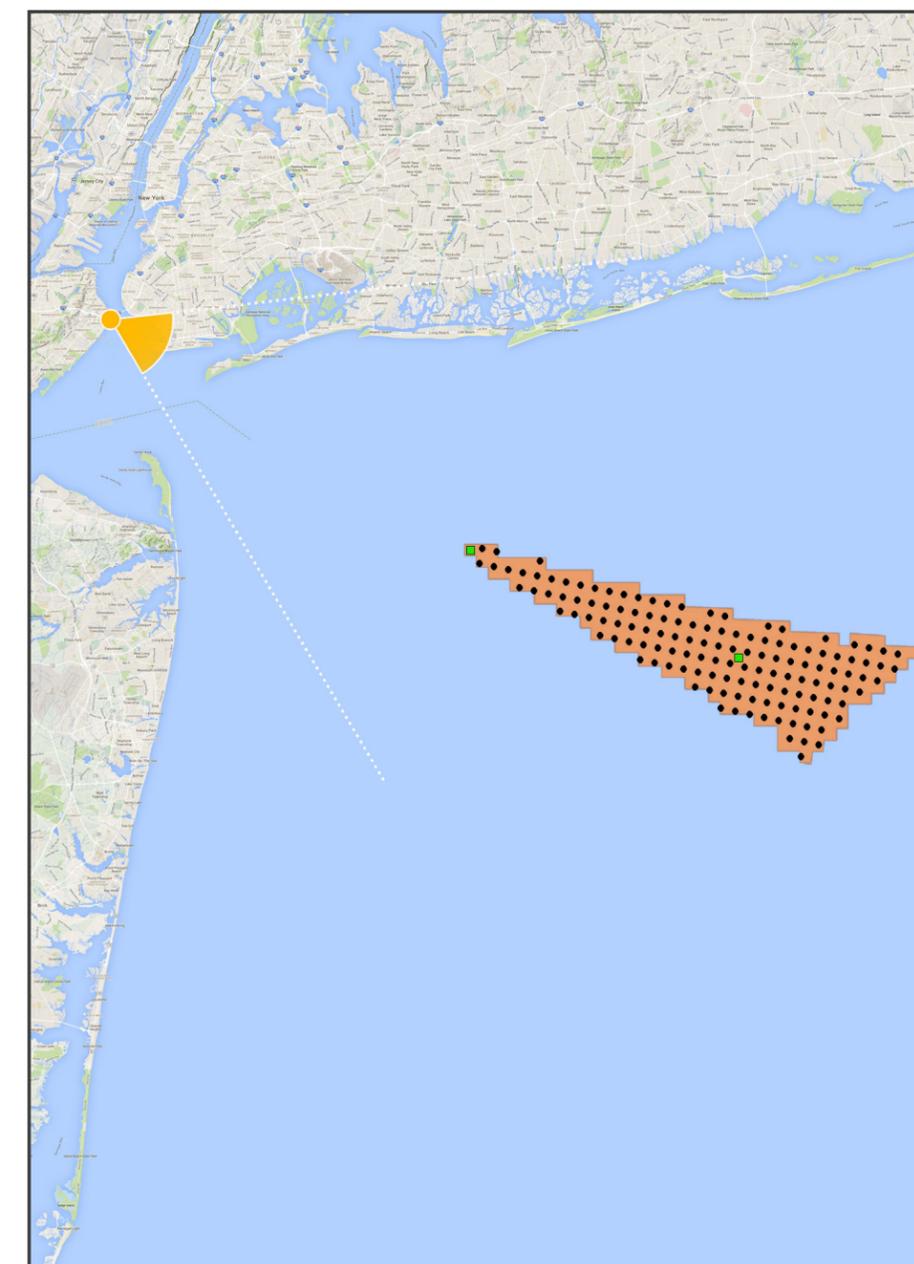
Turbine Information

Distance to Nearest Turbine (NM): 24.0
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
 Rotor Diameter (ft): 498.7
 Total Height to Tip of Blade (ft): 577.4
 Service Platform: 100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



Context Map



● Key Observation Point (KOP) ■ Site Boundary
 ● Turbine ■ Electrical Service Platform



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Fort Wadsworth
Season: Spring
Time of Day: Midday

Base Photographic Documentation

Date (MM/DD/YYYY): 6/18/2014
 Time (24hr): 13:08
 GPS Longitude: -74.05371
 GPS Latitude: 40.599661
 Viewpoint Elevation (ft): 8.21
 Camera Height (ft): 5.41
 Camera Heading (°): 117

Camera Information

Camera Make & Model: Canon EOS 5D Mark III
 Camera Sensor Size: 36mm x 24mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth: 188.2084012
 Sun Elevation: 72.66505437
 Lighting Angle (On Turbines): Right-Lit
 Weather Conditions: Partly-Cloudy
 Maximum Visibility (NM): 26.2
 Average Predicted Visibility (NM): 20.2
 Wave Height (ft): 0.6
 Period (Seconds): 10
 Temperature (°F): 86
 Temperature (°C): 30
 Humidity (%): 40

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



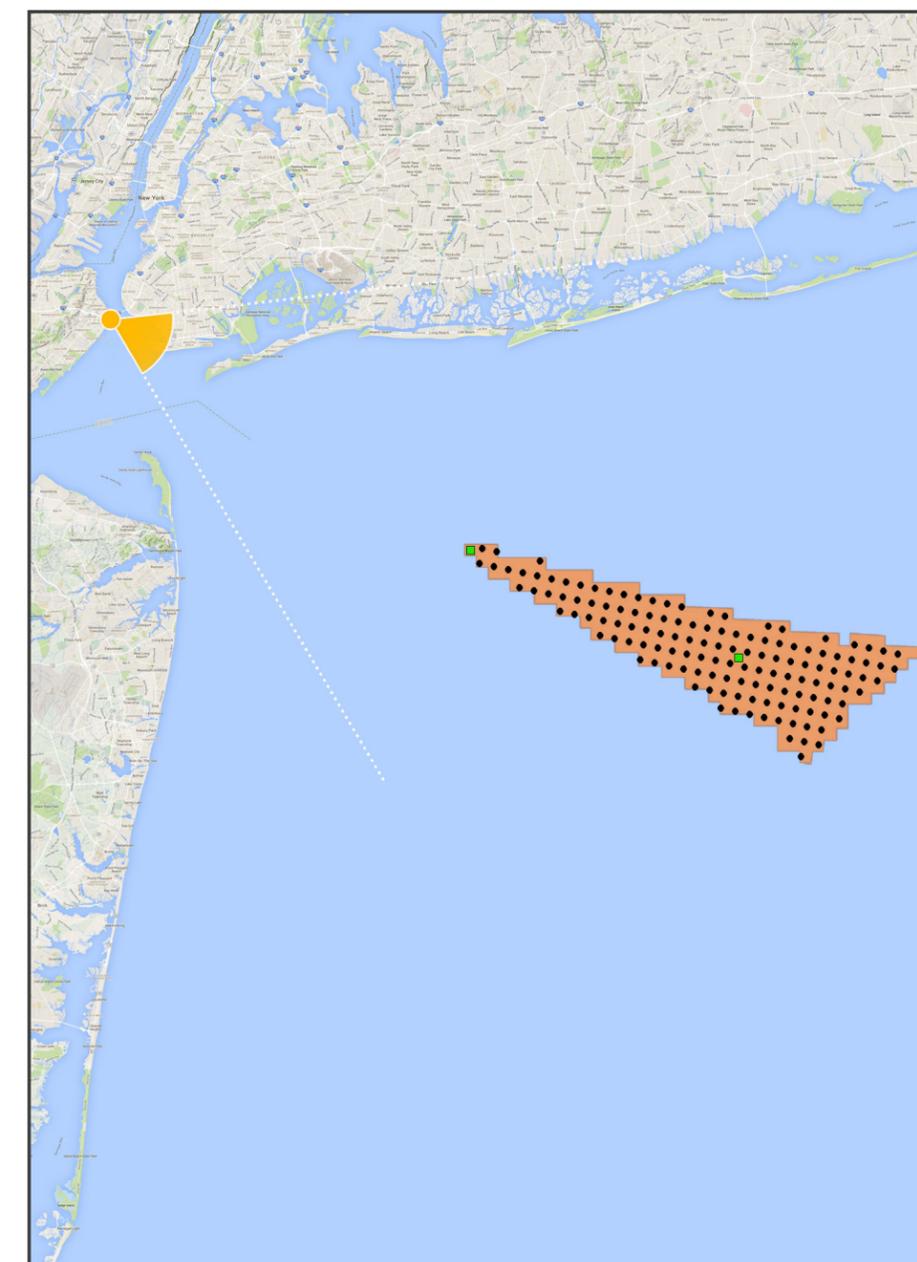
Turbine Information

Distance to Nearest Turbine (NM): 24.0
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
 Rotor Diameter (ft): 498.7
 Total Height to Tip of Blade (ft): 577.4
 Service Platform: 100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



Context Map



● Key Observation Point (KOP) ■ Site Boundary
 ● Turbine ■ Electrical Service Platform



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Fort Wadsworth
Season: Spring
Time of Day: Afternoon

Base Photographic Documentation

Date (MM/DD/YYYY):	6/20/2014
Time (24hr):	15:22
GPS Longitude:	-74.05371
GPS Latitude:	40.599661
Viewpoint Elevation (ft):	8.21
Camera Height (ft):	5.41
Camera Heading (°):	120

Camera Information

Camera Make & Model:	Canon EOS 6D
Camera Sensor Size:	35.8mm x 23.9mm
Lens Make & Model:	EF28mm f/1.8 USM
Lens Focal Length:	28mm
Field of View:	65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth:	251.4802273
Sun Elevation:	55.29536108
Lighting Angle (On Turbines):	Right-Lit
Weather Conditions:	Partly-Cloudy
Maximum Visibility (NM):	28.3
Average Predicted Visibility (NM):	20.2
Wave Height (ft):	0.9
Period (Seconds):	10
Temperature (°F):	75
Temperature (°C):	24
Humidity (%):	25

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



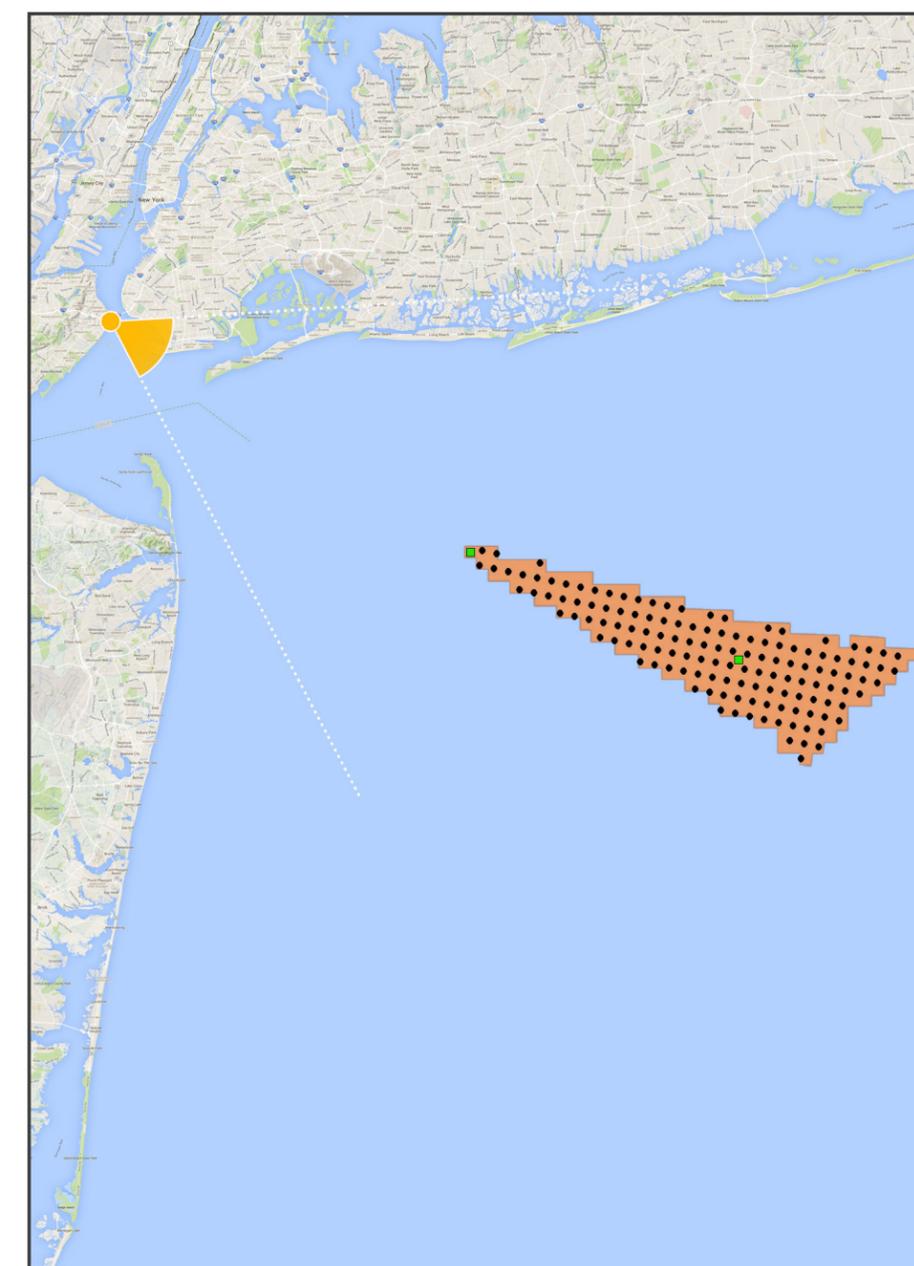
Turbine Information

Distance to Nearest Turbine (NM):	24.0
Make & Model:	Senvion 6.2M 152
Number of Turbines:	134
Hub Height (ft):	328.1
Support Structure Height (ft):	25
Rotor Diameter (ft):	498.7
Total Height to Tip of Blade (ft):	577.4
Service Platform:	100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



Context Map



● Key Observation Point (KOP) ■ Site Boundary
 ● Turbine ■ Electrical Service Platform



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Great Kills
Season: Spring
Time of Day: Morning

Base Photographic Documentation

Date (MM/DD/YYYY): 6/18/2014
 Time (24hr): 10:32
 GPS Longitude: -74.129602
 GPS Latitude: 40.537553
 Viewpoint Elevation (ft): 16.62
 Camera Height (ft): 5.41
 Camera Heading (°): 118

Camera Information

Camera Make & Model: Canon EOS 5D Mark III
 Camera Sensor Size: 36mm x 24mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth: 108.1038214
 Sun Elevation: 55.03166647
 Lighting Angle (On Turbines): Back-Lit
 Weather Conditions: Partly-Cloudy
 Maximum Visibility (NM): 25.4
 Average Predicted Visibility (NM): 20.2
 Wave Height (ft): 0.6
 Period (Seconds): 10
 Temperature (°F): 84
 Temperature (°C): 29
 Humidity (%): 44

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



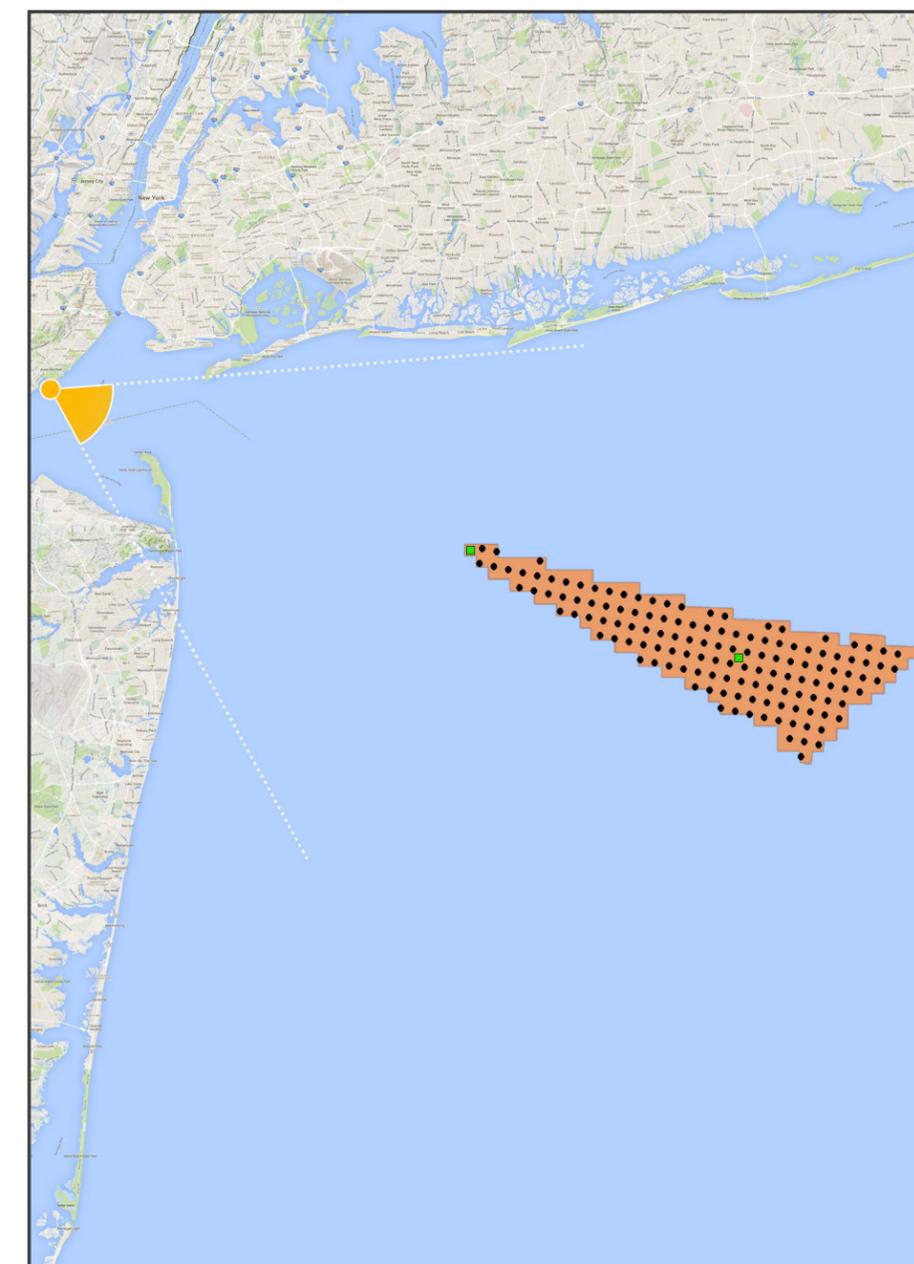
Turbine Information

Distance to Nearest Turbine (NM): 25.5
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
 Rotor Diameter (ft): 498.7
 Total Height to Tip of Blade (ft): 577.4
 Service Platform: 100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



Context Map



● Key Observation Point (KOP) ■ Site Boundary
 ● Turbine ■ Electrical Service Platform



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Great Kills
Season: Spring
Time of Day: Midday

Base Photographic Documentation

Date (MM/DD/YYYY): 6/20/2014
 Time (24hr): 14:46
 GPS Longitude: -74.129602
 GPS Latitude: 40.537553
 Viewpoint Elevation (ft): 16.62
 Camera Height (ft): 5.41
 Camera Heading (°): 118

Camera Information

Camera Make & Model: Canon EOS 6D
 Camera Sensor Size: 35.8mm x 23.9mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

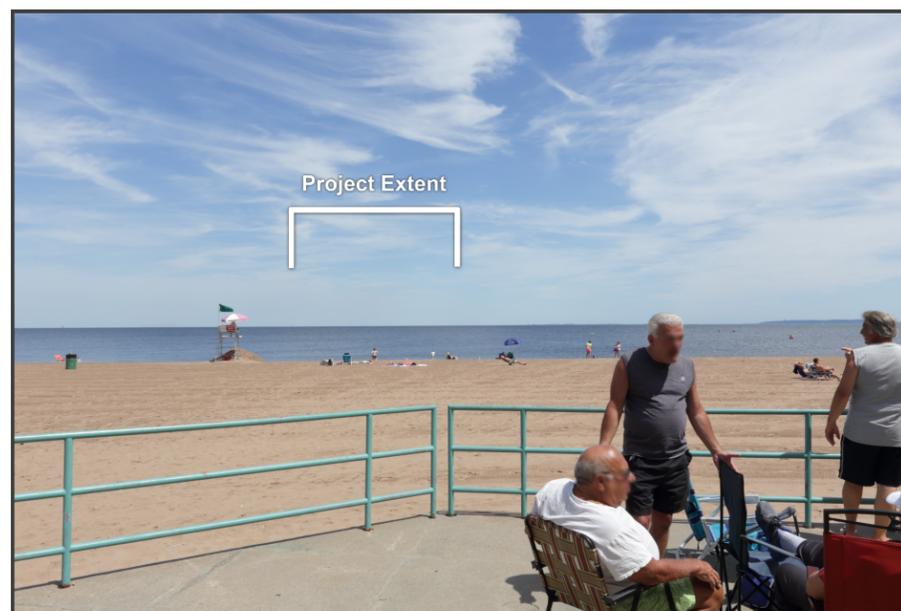
Sun And Weather Information

Sun Azimuth: 241.1463072
 Sun Elevation: 61.63582671
 Lighting Angle (On Turbines): Right-Lit
 Weather Conditions: Partly-Cloudy
 Maximum Visibility (NM): 28.4
 Average Predicted Visibility (NM): 20.2
 Wave Height (ft): 0.9
 Period (Seconds): 10
 Temperature (°F): 75
 Temperature (°C): 24
 Humidity (%): 24

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



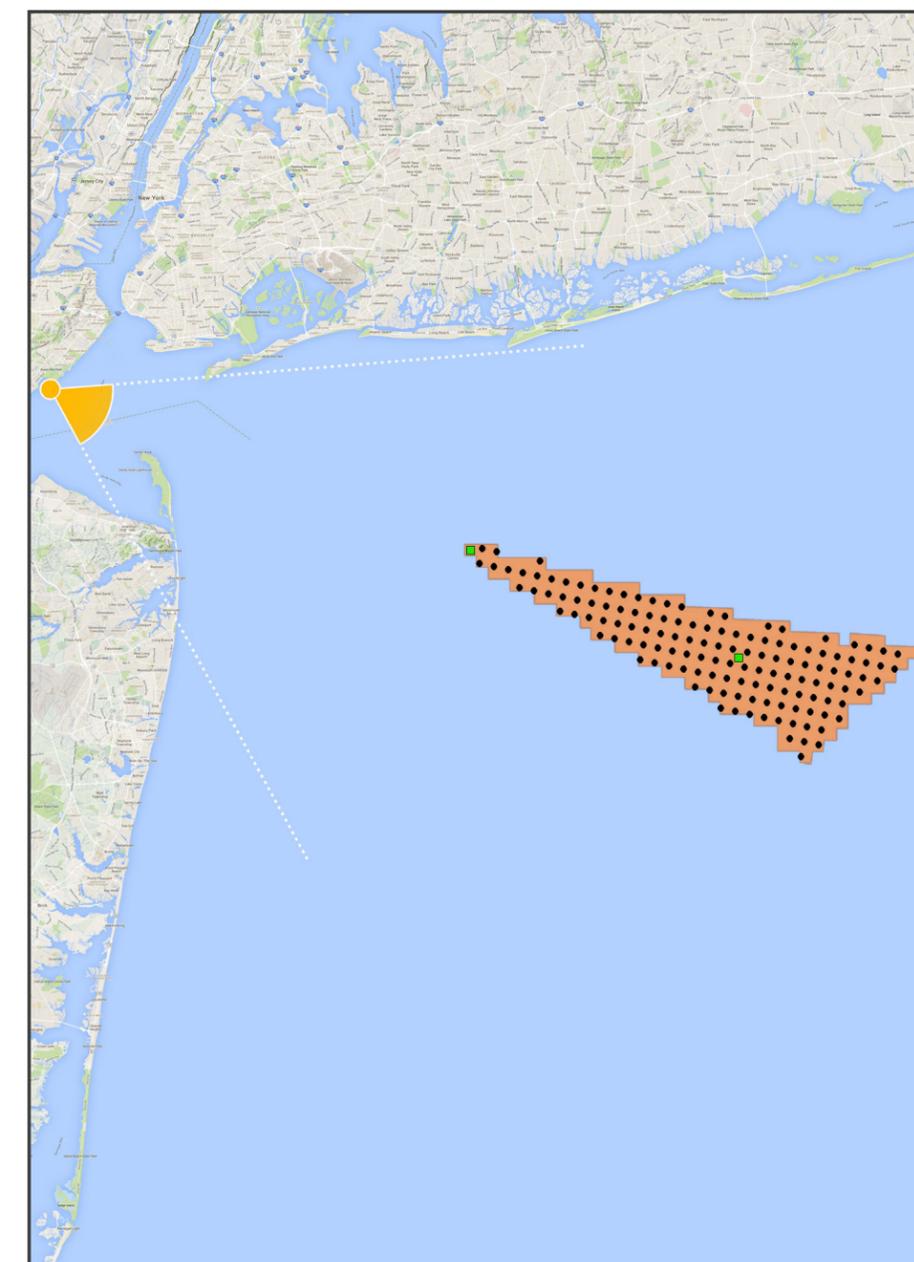
Turbine Information

Distance to Nearest Turbine (NM): 25.5
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
 Rotor Diameter (ft): 498.7
 Total Height to Tip of Blade (ft): 577.4
 Service Platform: 100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



Context Map



● Key Observation Point (KOP) ■ Site Boundary
 ● Turbine ■ Electrical Service Platform



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Great Kills
Season: Spring
Time of Day: Afternoon

Base Photographic Documentation

Date (MM/DD/YYYY): 5/30/2014
 Time (24hr): 17:05
 GPS Longitude: -74.129602
 GPS Latitude: 40.537553
 Viewpoint Elevation (ft): 16.62
 Camera Height (ft): 5.41
 Camera Heading (°): 118

Camera Information

Camera Make & Model: Canon EOS 5D Mark III
 Camera Sensor Size: 36mm x 24mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth: 270.4480647
 Sun Elevation: 34.41240528
 Lighting Angle (On Turbines): Front-Lit
 Weather Conditions: Clear
 Maximum Visibility (NM): 20.8
 Average Predicted Visibility (NM): 20.2
 Wave Height (ft): 2
 Period (Seconds): 7
 Temperature (°F): 66
 Temperature (°C): 19
 Humidity (%): 61

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



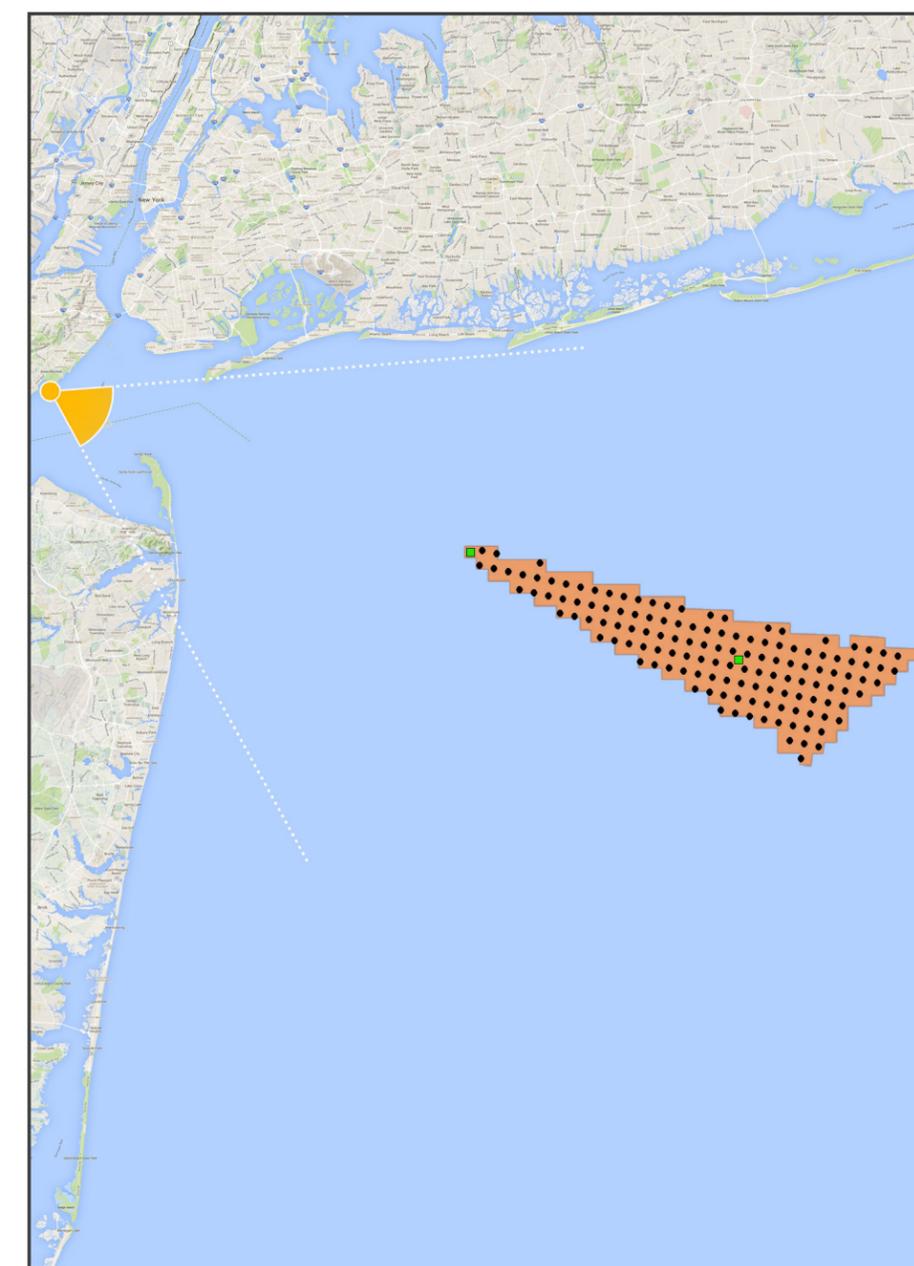
Turbine Information

Distance to Nearest Turbine (NM): 25.5
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
 Rotor Diameter (ft): 498.7
 Total Height to Tip of Blade (ft): 577.4
 Service Platform: 100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



Context Map



● Key Observation Point (KOP) ■ Site Boundary
 ● Turbine ■ Electrical Service Platform



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Sandy Hook Light House
Season: Spring
Time of Day: Morning

Base Photographic Documentation

Date (MM/DD/YYYY): 6/6/2014
 Time (24hr): 10:17
 GPS Longitude: -74.002015
 GPS Latitude: 40.461707
 Viewpoint Elevation (ft): 90.76
 Camera Height (ft): 5.41
 Camera Heading (°): 83

Camera Information

Camera Make & Model: Canon EOS 5D Mark III
 Camera Sensor Size: 36mm x 24mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth: 106.1066163
 Sun Elevation: 52.42149934
 Lighting Angle (On Turbines): Right-Lit
 Weather Conditions: Clear
 Maximum Visibility (NM): 22.3
 Average Predicted Visibility (NM): 18.2
 Wave Height (ft): 1.6
 Period (Seconds): 9
 Temperature (°F): 64
 Temperature (°C): 18
 Humidity (%): 56

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



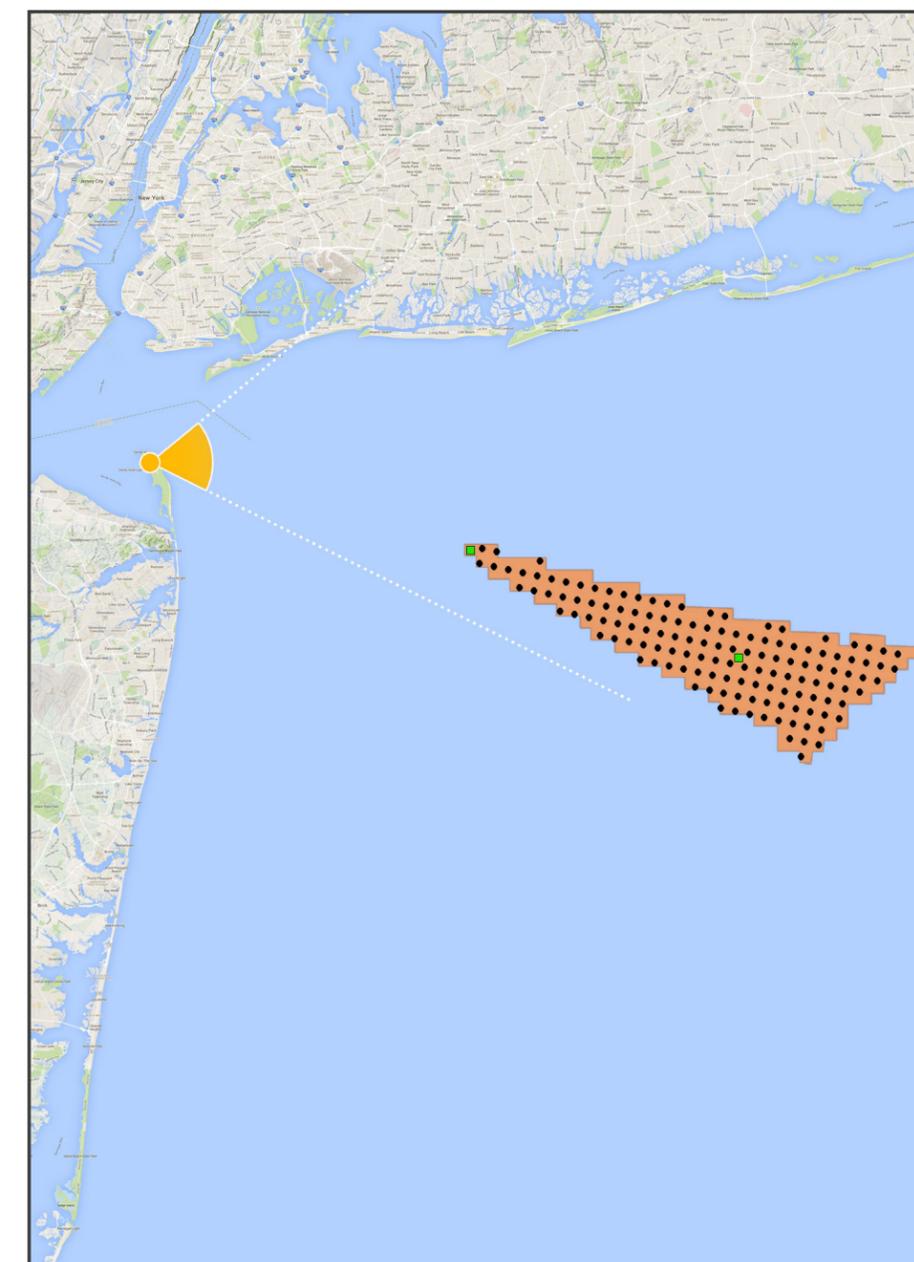
Turbine Information

Distance to Nearest Turbine (NM): 18.6
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
 Rotor Diameter (ft): 498.7
 Total Height to Tip of Blade (ft): 577.4
 Service Platform: 100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



Context Map



● Key Observation Point (KOP) ■ Site Boundary
 ● Turbine ■ Electrical Service Platform



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Sandy Hook Light House
Season: Spring
Time of Day: Midday

Base Photographic Documentation

Date (MM/DD/YYYY): 6/20/2014
 Time (24hr): 12:21
 GPS Longitude: -74.002015
 GPS Latitude: 40.461707
 Viewpoint Elevation (ft): 90.76
 Camera Height (ft): 5.41
 Camera Heading (°): 82

Camera Information

Camera Make & Model: Canon EOS 6D
 Camera Sensor Size: 35.8mm x 23.9mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth: 152.9163014
 Sun Elevation: 71.3122009
 Lighting Angle (On Turbines): Back-Lit
 Weather Conditions: Partly-Cloudy
 Maximum Visibility (NM): 26.6
 Average Predicted Visibility (NM): 18.2
 Wave Height (ft): 0.9
 Period (Seconds): 10
 Temperature (°F): 73
 Temperature (°C): 23
 Humidity (%): 38

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



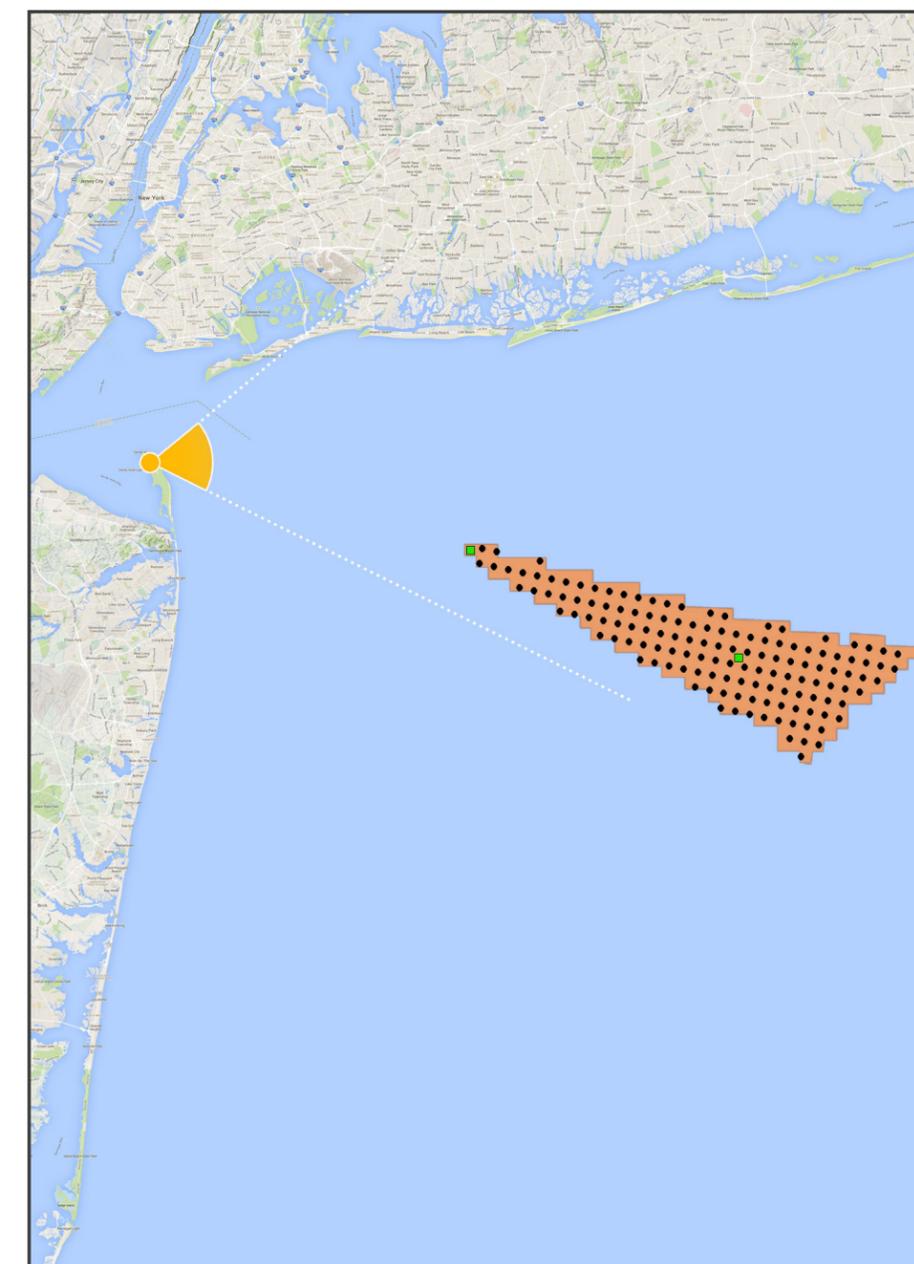
Turbine Information

Distance to Nearest Turbine (NM): 18.6
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
 Rotor Diameter (ft): 498.7
 Total Height to Tip of Blade (ft): 577.4
 Service Platform: 100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



Context Map



● Key Observation Point (KOP) ■ Site Boundary
 ● Turbine ■ Electrical Service Platform



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Sandy Hook Light House
 Season: Spring
 Time of Day: Afternoon

Base Photographic Documentation

Date (MM/DD/YYYY): 5/31/2014
 Time (24hr): 13:41
 GPS Longitude: -74.002015
 GPS Latitude: 40.461707
 Viewpoint Elevation (ft): 90.76
 Camera Height (ft): 5.41
 Camera Heading (°): 102

Camera Information

Camera Make & Model: Canon EOS 5D Mark III
 Camera Sensor Size: 36mm x 24mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth: 211.9787365
 Sun Elevation: 68.97506972
 Lighting Angle (On Turbines): Back-Lit
 Weather Conditions: Overcast
 Maximum Visibility (NM): 25.0
 Average Predicted Visibility (NM): 18.2
 Wave Height (ft): 2.5
 Period (Seconds): 6
 Temperature (°F): 64
 Temperature (°C): 18
 Humidity (%): 46

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



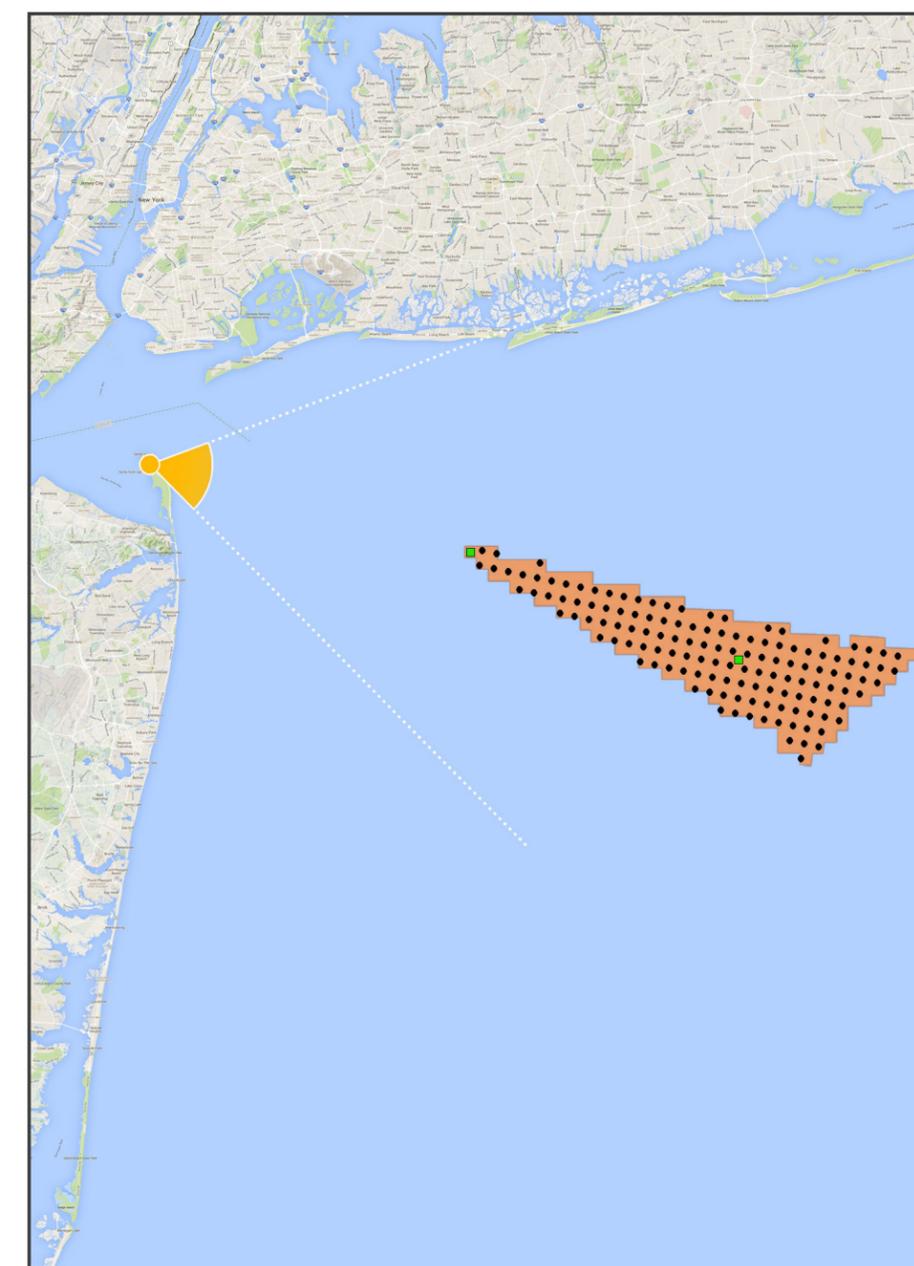
Turbine Information

Distance to Nearest Turbine (NM): 18.6
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
 Rotor Diameter (ft): 498.7
 Total Height to Tip of Blade (ft): 577.4
 Service Platform: 100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



Context Map



● Key Observation Point (KOP) ■ Site Boundary
 ● Turbine ■ Electrical Service Platform



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Sandy Hook North Beach
 Season: Spring
 Time of Day: Morning

Base Photographic Documentation

Date (MM/DD/YYYY): 6/20/2014
 Time (24hr): 09:43
 GPS Longitude: -73.994414
 GPS Latitude: 40.468987
 Viewpoint Elevation (ft): 10.94
 Camera Height (ft): 5.41
 Camera Heading (°): 89

Camera Information

Camera Make & Model: Canon EOS 6D
 Camera Sensor Size: 35.8mm x 23.9mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth: 97.52934238
 Sun Elevation: 46.00404464
 Lighting Angle (On Turbines): Back-Lit
 Weather Conditions: Partly-Cloudy
 Maximum Visibility (NM): 25.6
 Average Predicted Visibility (NM): 18.2
 Wave Height (ft): 0.9
 Period (Seconds): 10
 Temperature (°F): 70
 Temperature (°C): 21
 Humidity (%): 43

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



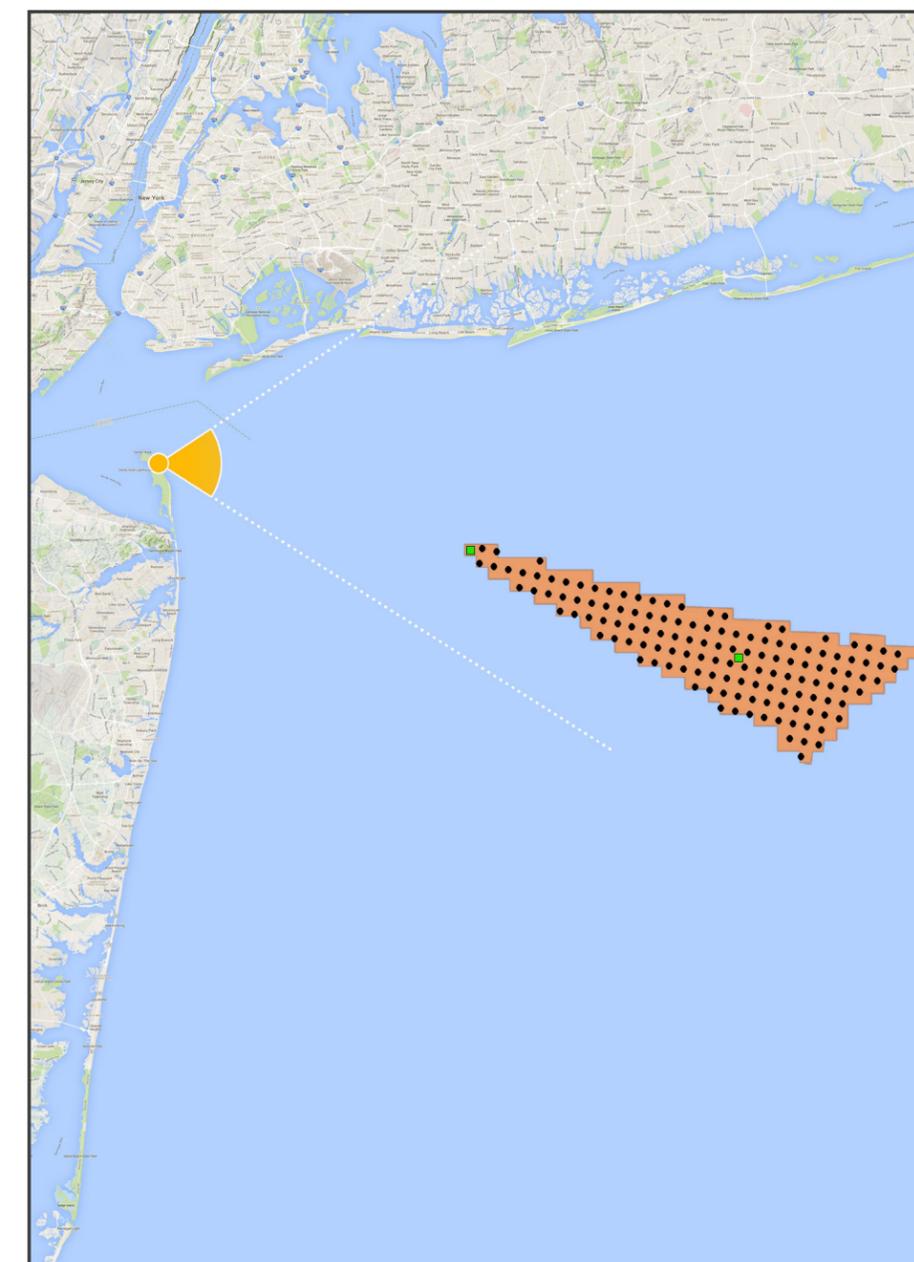
Turbine Information

Distance to Nearest Turbine (NM): 18.4
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
 Rotor Diameter (ft): 498.7
 Total Height to Tip of Blade (ft): 577.4
 Service Platform: 100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



Context Map



● Key Observation Point (KOP) ■ Site Boundary
 ● Turbine ■ Electrical Service Platform



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Sandy Hook North Beach
 Season: Spring
 Time of Day: Midday

Base Photographic Documentation

Date (MM/DD/YYYY): 6/6/2014
 Time (24hr): 10:52
 GPS Longitude: -73.994414
 GPS Latitude: 40.468987
 Viewpoint Elevation (ft): 10.94
 Camera Height (ft): 5.41
 Camera Heading (°): 90

Camera Information

Camera Make & Model: Canon EOS 5D Mark III
 Camera Sensor Size: 36mm x 24mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth: 115.2317046
 Sun Elevation: 58.65474446
 Lighting Angle (On Turbines): Back-Lit
 Weather Conditions: Partly-Cloudy
 Maximum Visibility (NM): 22.3
 Average Predicted Visibility (NM): 18.2
 Wave Height (ft): 1.4
 Period (Seconds): 9
 Temperature (°F): 70
 Temperature (°C): 21
 Humidity (%): 56

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



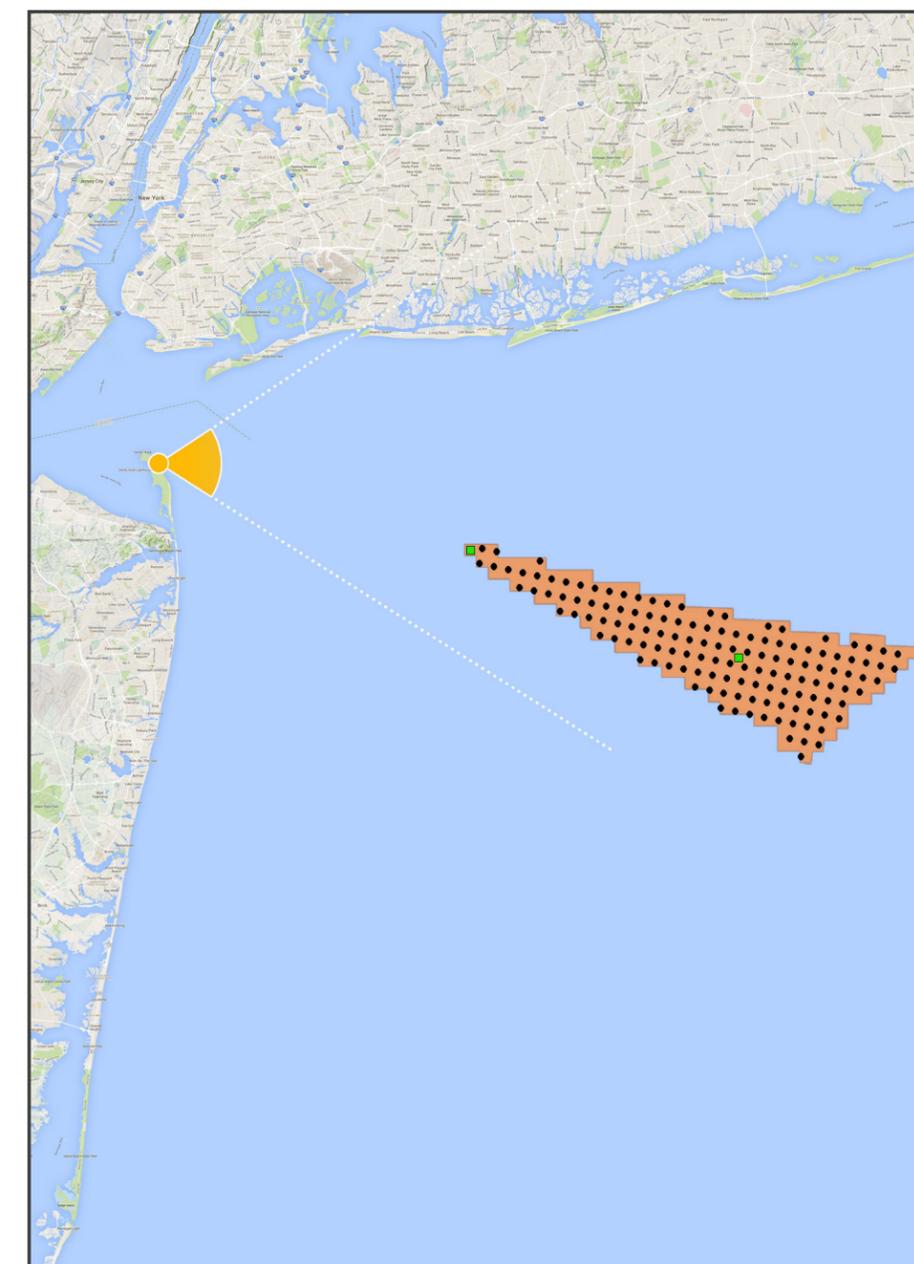
Turbine Information

Distance to Nearest Turbine (NM): 18.4
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
 Rotor Diameter (ft): 498.7
 Total Height to Tip of Blade (ft): 577.4
 Service Platform: 100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



Context Map



● Key Observation Point (KOP) ■ Site Boundary
 ● Turbine ■ Electrical Service Platform



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Sandy Hook North Beach
 Season: Spring
 Time of Day: Afternoon

Base Photographic Documentation

Date (MM/DD/YYYY): 5/31/2014
 Time (24hr): 15:36
 GPS Longitude: -73.994414
 GPS Latitude: 40.468987
 Viewpoint Elevation (ft): 10.94
 Camera Height (ft): 5.41
 Camera Heading (°): 89

Camera Information

Camera Make & Model: Canon EOS 5D Mark III
 Camera Sensor Size: 36mm x 24mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth: 254.0574672
 Sun Elevation: 51.14840429
 Lighting Angle (On Turbines): Left-Lit
 Weather Conditions: Cloud
 Maximum Visibility (NM): 21.1
 Average Predicted Visibility (NM): 18.2
 Wave Height (ft): 2.5
 Period (Seconds): 6
 Temperature (°F): 64
 Temperature (°C): 18
 Humidity (%): 60

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



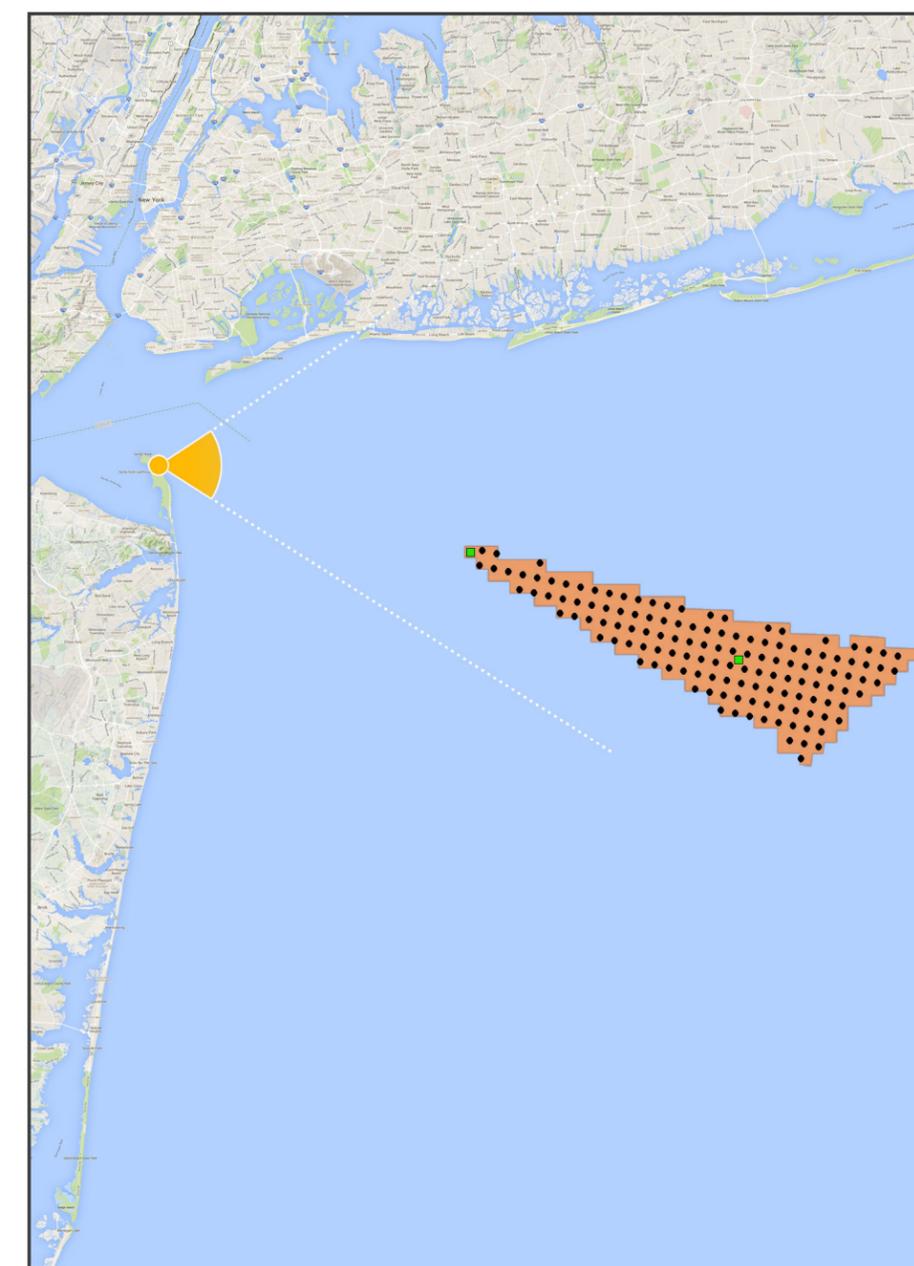
Turbine Information

Distance to Nearest Turbine (NM): 18.4
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
 Rotor Diameter (ft): 498.7
 Total Height to Tip of Blade (ft): 577.4
 Service Platform: 100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



Context Map



● Key Observation Point (KOP) ■ Site Boundary
 ● Turbine ■ Electrical Service Platform



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Sandy Hook Area D
Season: Spring
Time of Day: Morning

Base Photographic Documentation

Date (MM/DD/YYYY): 6/20/2014
 Time (24hr): 10:06
 GPS Longitude: -73.98319
 GPS Latitude: 40.425513
 Viewpoint Elevation (ft): 9.47
 Camera Height (ft): 5.41
 Camera Heading (°): 80

Camera Information

Camera Make & Model: Canon EOS 6D
 Camera Sensor Size: 35.8mm x 23.9mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth: 102.0533205
 Sun Elevation: 50.33067122
 Lighting Angle (On Turbines): Back-Lit
 Weather Conditions: Partly-Cloudy
 Maximum Visibility (NM): 25.6
 Average Predicted Visibility (NM): 18.2
 Wave Height (ft): 0.9
 Period (Seconds): 10
 Temperature (°F): 70
 Temperature (°C): 21
 Humidity (%): 43

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



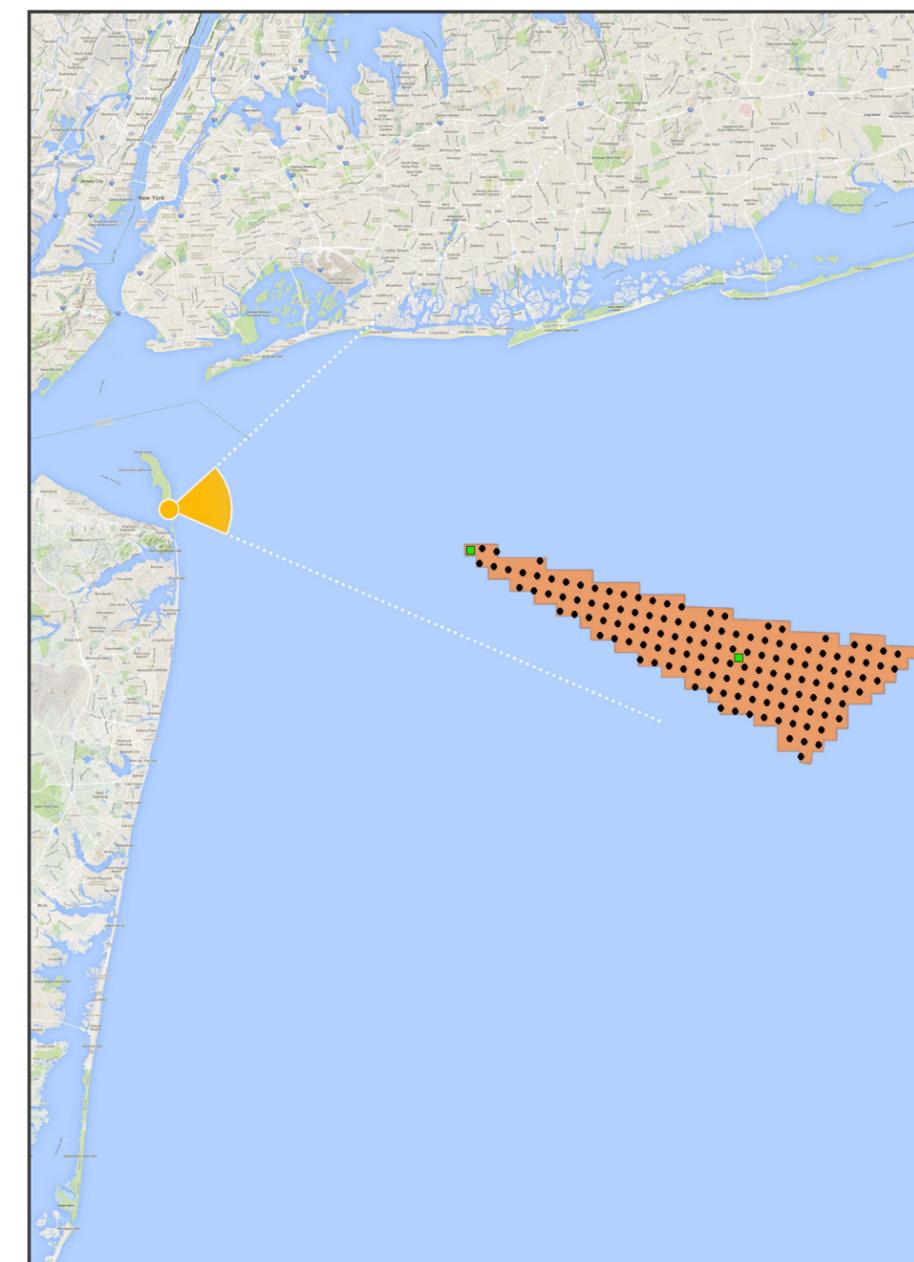
Turbine Information

Distance to Nearest Turbine (NM): 17.4
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
 Rotor Diameter (ft): 498.7
 Total Height to Tip of Blade (ft): 577.4
 Service Platform: 100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



Context Map



● Key Observation Point (KOP) ■ Site Boundary
 ● Turbine ■ Electrical Service Platform



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Sandy Hook Area D
Season: Spring
Time of Day: Midday

Base Photographic Documentation

Date (MM/DD/YYYY): 6/6/2014
 Time (24hr): 11:27
 GPS Longitude: -73.98319
 GPS Latitude: 40.425513
 Viewpoint Elevation (ft): 9.47
 Camera Height (ft): 5.41
 Camera Heading (°): 81

Camera Information

Camera Make & Model: Canon EOS 5D Mark III
 Camera Sensor Size: 36mm x 24mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth: 127.2284205
 Sun Elevation: 64.38745235
 Lighting Angle (On Turbines): Right-Lit
 Weather Conditions: Partly-Cloudy
 Maximum Visibility (NM): 23.2
 Average Predicted Visibility (NM): 18.2
 Wave Height (ft): 1.4
 Period (Seconds): 9
 Temperature (°F): 70
 Temperature (°C): 21
 Humidity (%): 53

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



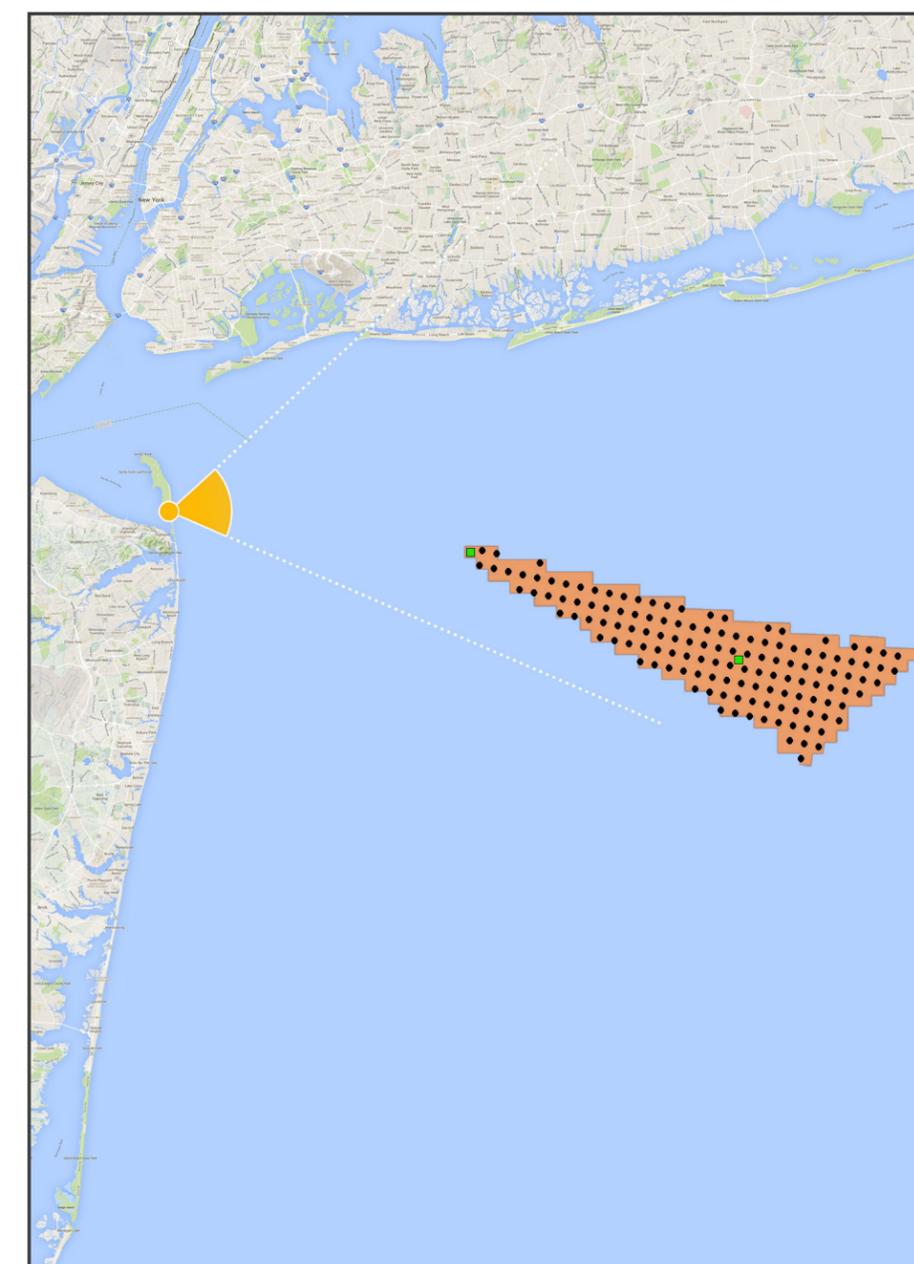
Turbine Information

Distance to Nearest Turbine (NM): 17.4
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
 Rotor Diameter (ft): 498.7
 Total Height to Tip of Blade (ft): 577.4
 Service Platform: 100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



Context Map



● Key Observation Point (KOP) ■ Site Boundary
 ● Turbine ■ Electrical Service Platform



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

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Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Sandy Hook Area D
Season: Spring
Time of Day: Afternoon

Base Photographic Documentation

Date (MM/DD/YYYY): 5/31/2014
 Time (24hr): 15:00
 GPS Longitude: -73.98319
 GPS Latitude: 40.425513
 Viewpoint Elevation (ft): 9.47
 Camera Height (ft): 5.41
 Camera Heading (°): 80

Camera Information

Camera Make & Model: Canon EOS 5D Mark III
 Camera Sensor Size: 36mm x 24mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth: 244.9269848
 Sun Elevation: 57.56845653
 Lighting Angle (On Turbines): Back-Lit
 Weather Conditions: Cloud
 Maximum Visibility (NM): 23.5
 Average Predicted Visibility (NM): 18.2
 Wave Height (ft): 2.5
 Period (Seconds): 6
 Temperature (°F): 64
 Temperature (°C): 18
 Humidity (%): 52

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



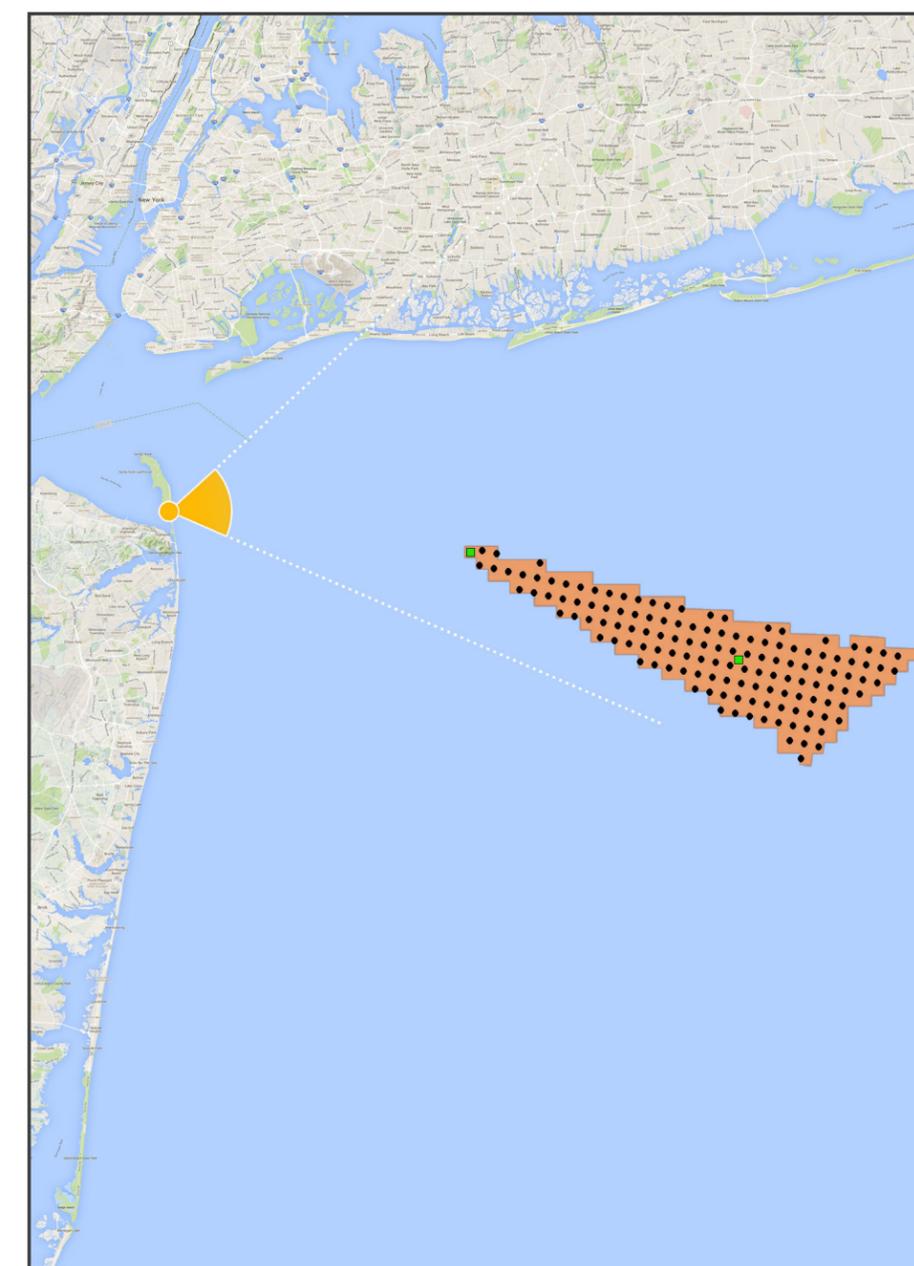
Turbine Information

Distance to Nearest Turbine (NM): 17.4
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
 Rotor Diameter (ft): 498.7
 Total Height to Tip of Blade (ft): 577.4
 Service Platform: 100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



Context Map



● Key Observation Point (KOP) ■ Site Boundary
 ● Turbine ■ Electrical Service Platform



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
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Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
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For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Rumson
 Season: Spring
 Time of Day: Morning

Base Photographic Documentation

Date (MM/DD/YYYY): 6/19/2014
 Time (24hr): 10:02
 GPS Longitude: -73.973794
 GPS Latitude: 40.366991
 Viewpoint Elevation (ft): 19.40
 Camera Height (ft): 5.41
 Camera Heading (°): 94

Camera Information

Camera Make & Model: Canon EOS 6D Mark
 Camera Sensor Size: 35.8mm x 23.9mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth: 101.2191077
 Sun Elevation: 49.63882517
 Lighting Angle (On Turbines): Right-Lit
 Weather Conditions: Overcast
 Maximum Visibility (NM): 16.3
 Average Predicted Visibility (NM): 18.2
 Wave Height (ft): 0.6
 Period (Seconds): 9
 Temperature (°F): 72
 Temperature (°C): 22
 Humidity (%): 73

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



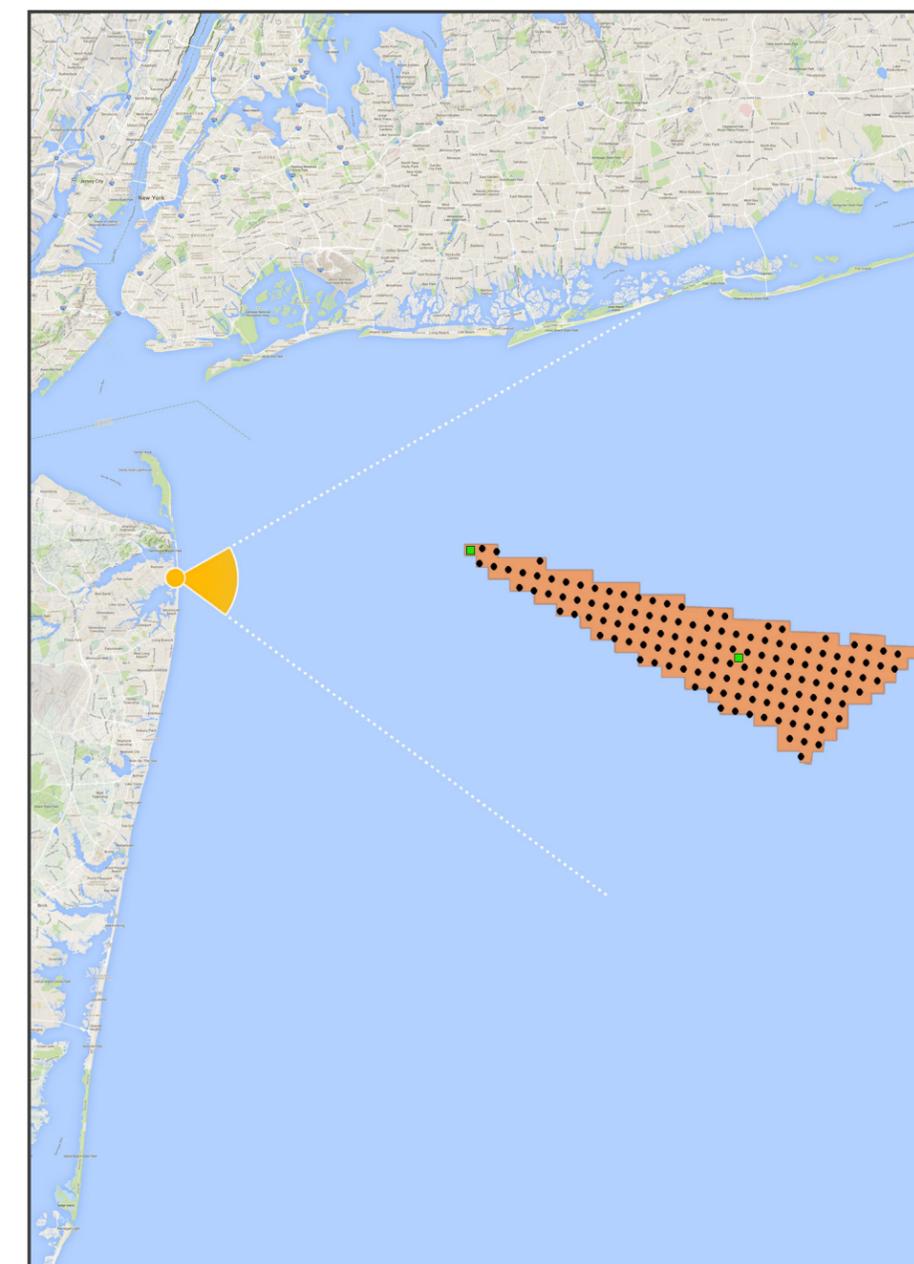
Turbine Information

Distance to Nearest Turbine (NM): 16.7
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
 Rotor Diameter (ft): 498.7
 Total Height to Tip of Blade (ft): 577.4
 Service Platform: 100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



Context Map



● Key Observation Point (KOP) ■ Site Boundary
 ● Turbine ■ Electrical Service Platform



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Rumson
Season: Spring
Time of Day: Midday

Base Photographic Documentation

Date (MM/DD/YYYY): 6/19/2014
 Time (24hr): 11:19
 GPS Longitude: -73.973794
 GPS Latitude: 40.366991
 Viewpoint Elevation (ft): 19.40
 Camera Height (ft): 5.41
 Camera Heading (°): 93

Camera Information

Camera Make & Model: Canon EOS 6D
 Camera Sensor Size: 35.8mm x 23.9mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth: 121.9230052
 Sun Elevation: 63.29405528
 Lighting Angle (On Turbines): Right-Lit
 Weather Conditions: Overcast
 Maximum Visibility (NM): 17.9
 Average Predicted Visibility (NM): 18.2
 Wave Height (ft): 0.7
 Period (Seconds): 10
 Temperature (°F): 72
 Temperature (°C): 22
 Humidity (%): 69

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



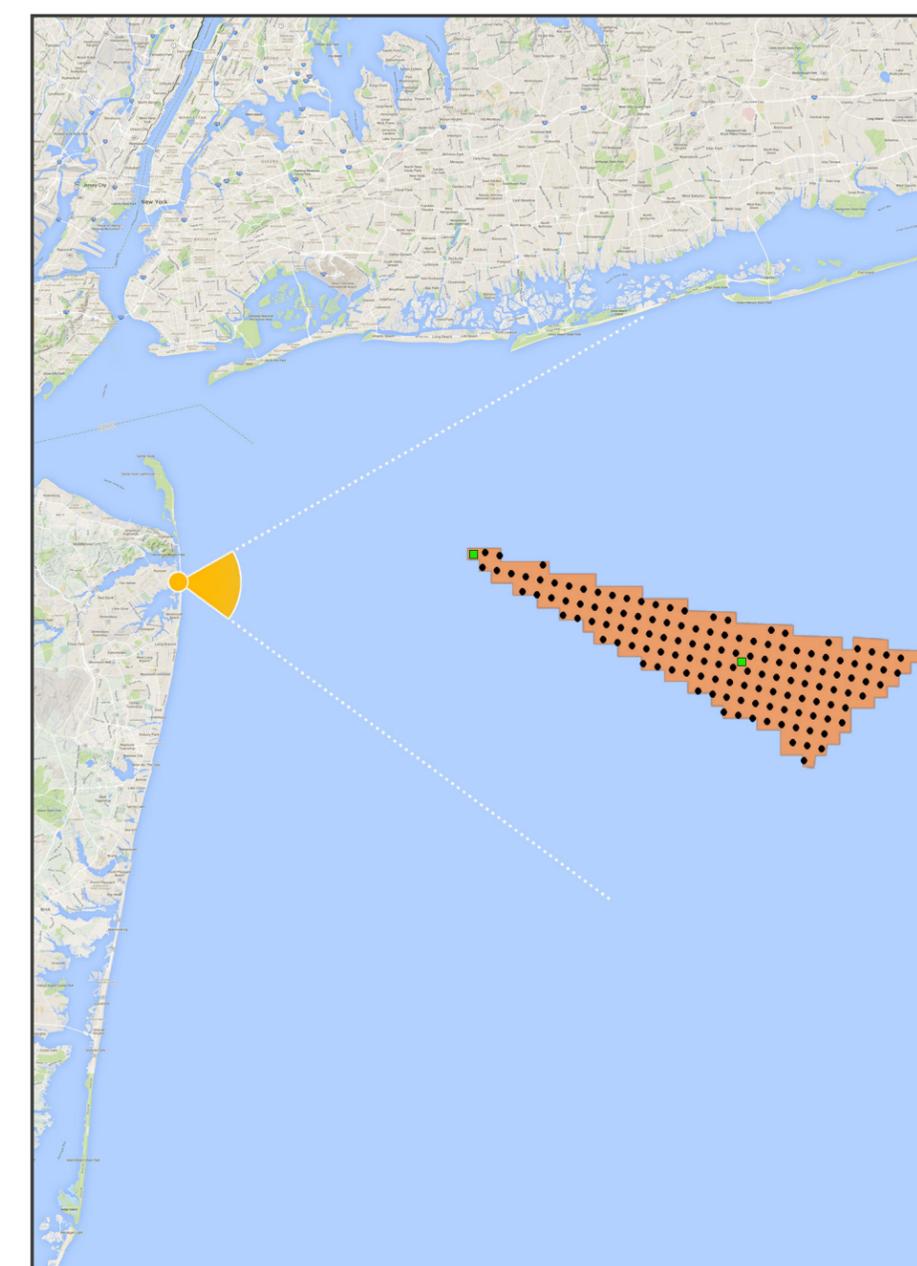
Turbine Information

Distance to Nearest Turbine (NM): 16.7
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
 Rotor Diameter (ft): 498.7
 Total Height to Tip of Blade (ft): 577.4
 Service Platform: 100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



Context Map



● Key Observation Point (KOP) ■ Site Boundary
 ● Turbine ■ Electrical Service Platform



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Rumson
 Season: Spring
 Time of Day: Afternoon

Base Photographic Documentation

Date (MM/DD/YYYY): 6/18/2014
 Time (24hr): 16:45
 GPS Longitude: -73.973794
 GPS Latitude: 40.366991
 Viewpoint Elevation (ft): 19.40
 Camera Height (ft): 5.41
 Camera Heading (°): 93

Camera Information

Camera Make & Model: Canon EOS 6D
 Camera Sensor Size: 35.8mm x 23.9mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth: 268.4249699
 Sun Elevation: 39.67050985
 Lighting Angle (On Turbines): Left-Lit
 Weather Conditions: Partly-Cloudy
 Maximum Visibility (NM): 26.0
 Average Predicted Visibility (NM): 18.2
 Wave Height (ft): 0.6
 Period (Seconds): 9
 Temperature (°F): 86
 Temperature (°C): 30
 Humidity (%): 41

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



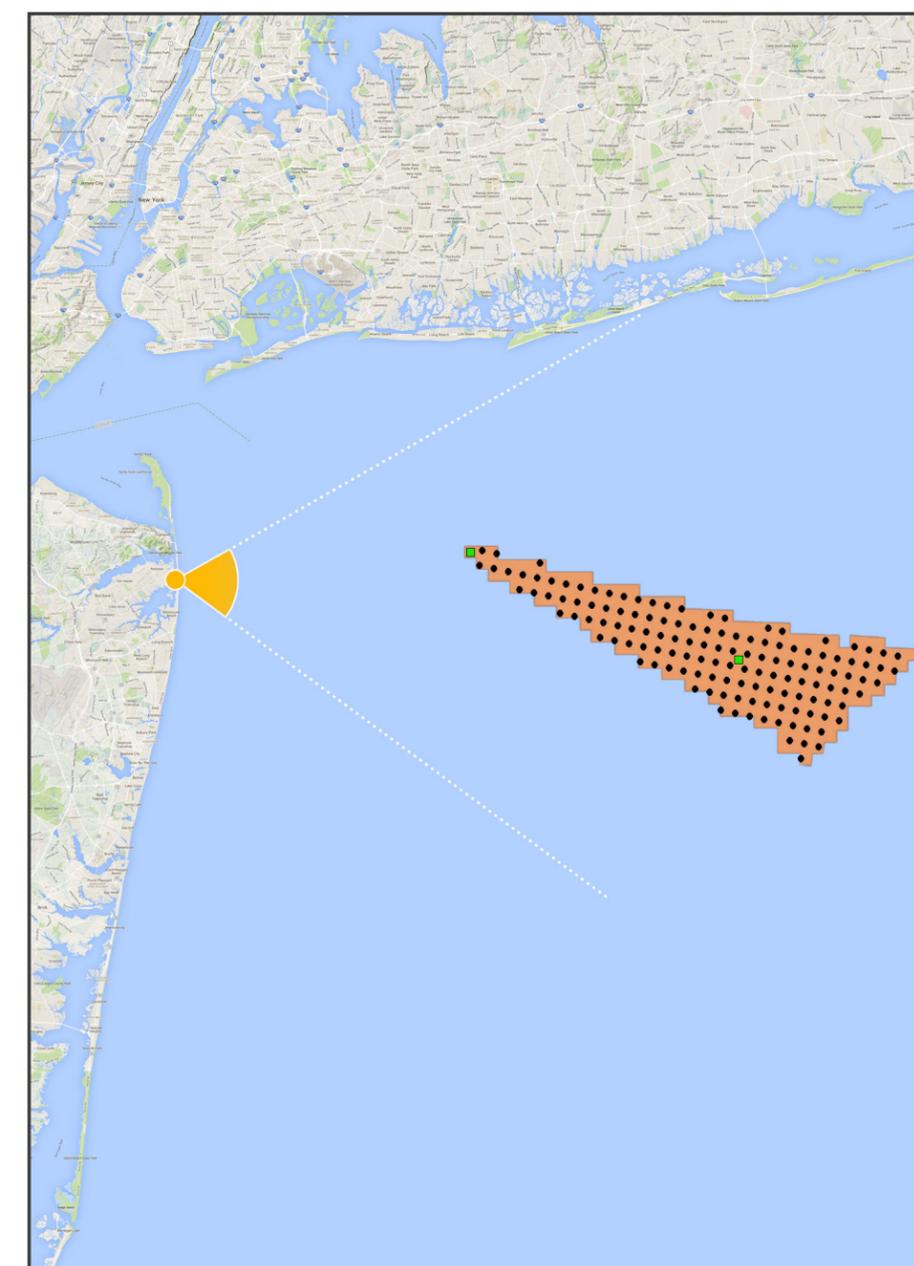
Turbine Information

Distance to Nearest Turbine (NM): 16.7
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
 Rotor Diameter (ft): 498.7
 Total Height to Tip of Blade (ft): 577.4
 Service Platform: 100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



Context Map



● Key Observation Point (KOP) ■ Site Boundary
 ● Turbine ■ Electrical Service Platform



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Asbury Park
Season: Spring
Time of Day: Morning

Base Photographic Documentation

Date (MM/DD/YYYY): 6/19/2014
 Time (24hr): 09:29
 GPS Longitude: -73.998334
 GPS Latitude: 40.224404
 Viewpoint Elevation (ft): 19.14
 Camera Height (ft): 5.41
 Camera Heading (°): 64

Camera Information

Camera Make & Model: Canon EOS 6D
 Camera Sensor Size: 35.8mm x 23.9mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth: 94.78743274
 Sun Elevation: 43.41158172
 Lighting Angle (On Turbines): Right-Lit
 Weather Conditions: Overcast
 Maximum Visibility (NM): 16.3
 Average Predicted Visibility (NM): 18.2
 Wave Height (ft): 0.5
 Period (Seconds): 9
 Temperature (°F): 72
 Temperature (°C): 22
 Humidity (%): 73

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



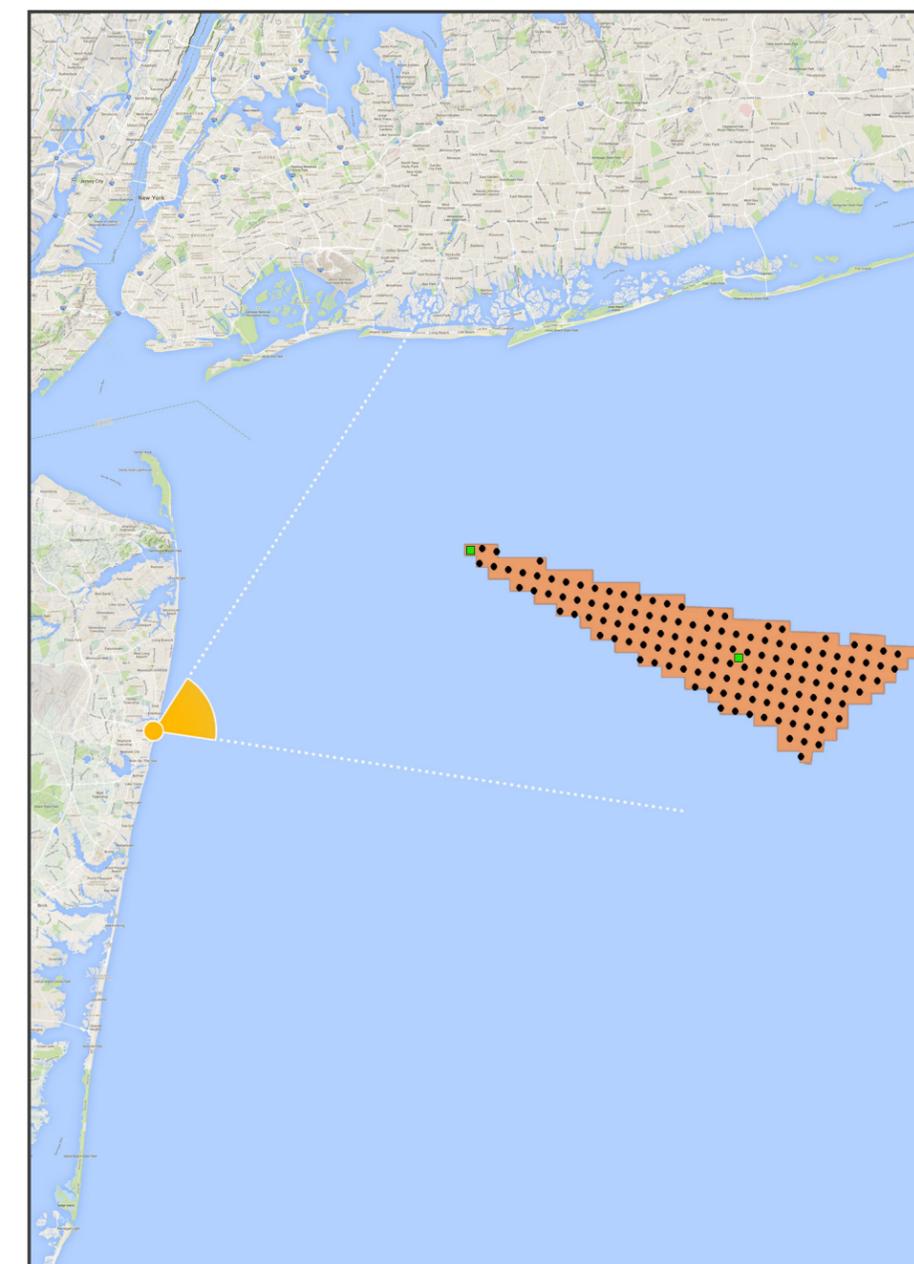
Turbine Information

Distance to Nearest Turbine (NM): 20.0
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
 Rotor Diameter (ft): 498.7
 Total Height to Tip of Blade (ft): 577.4
 Service Platform: 100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



Context Map



● Key Observation Point (KOP) ■ Site Boundary
 ● Turbine ■ Electrical Service Platform



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Asbury Park
Season: Spring
Time of Day: Midday

Base Photographic Documentation

Date (MM/DD/YYYY): 6/6/2014
 Time (24hr): 12:42
 GPS Longitude: -73.998334
 GPS Latitude: 40.224404
 Viewpoint Elevation (ft): 19.14
 Camera Height (ft): 5.41
 Camera Heading (°): 66

Camera Information

Camera Make & Model: Canon EOS 5D Mark III
 Camera Sensor Size: 36mm x 24mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth: 170.3552951
 Sun Elevation: 72.26096958
 Lighting Angle (On Turbines): Back-Lit
 Weather Conditions: Partly-Cloudy
 Maximum Visibility (NM): 24.0
 Average Predicted Visibility (NM): 18.2
 Wave Height (ft): 1.5
 Period (Seconds): 9
 Temperature (°F): 70
 Temperature (°C): 21
 Humidity (%): 50

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



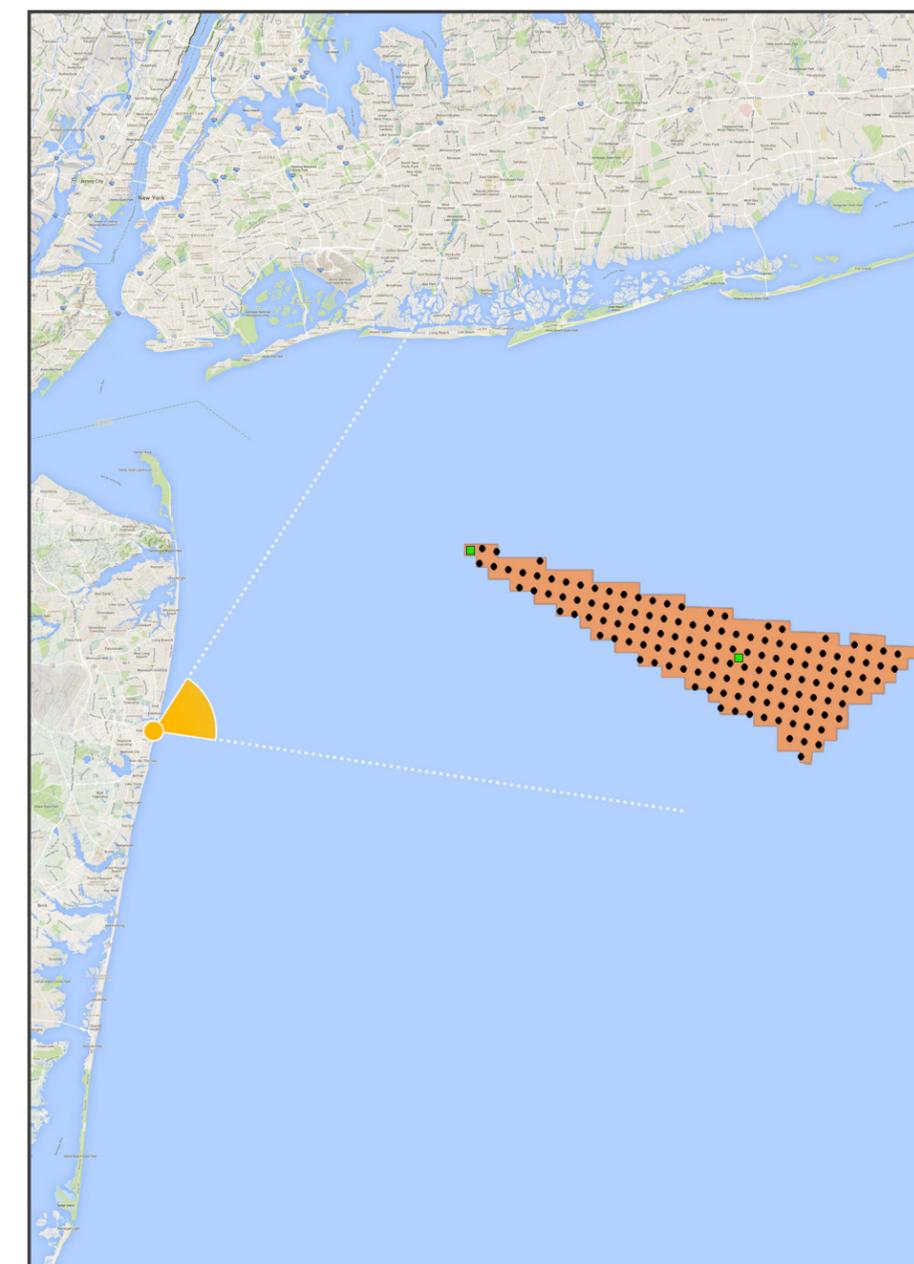
Turbine Information

Distance to Nearest Turbine (NM): 20.0
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
 Rotor Diameter (ft): 498.7
 Total Height to Tip of Blade (ft): 577.4
 Service Platform: 100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



Context Map



● Key Observation Point (KOP) ■ Site Boundary
 ● Turbine ■ Electrical Service Platform



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Asbury Park
Season: Spring
Time of Day: Afternoon

Base Photographic Documentation

Date (MM/DD/YYYY): 6/18/2014
 Time (24hr): 15:50
 GPS Longitude: -73.998334
 GPS Latitude: 40.224404
 Viewpoint Elevation (ft): 19.14
 Camera Height (ft): 5.41
 Camera Heading (°): 65

Camera Information

Camera Make & Model: Canon EOS 6D
 Camera Sensor Size: 35.8mm x 23.9mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth: 258.4330687
 Sun Elevation: 50.11202981
 Lighting Angle (On Turbines): Front-Lit
 Weather Conditions: Partly-Cloudy
 Maximum Visibility (NM): 25.6
 Average Predicted Visibility (NM): 18.2
 Wave Height (ft): 1.6
 Period (Seconds): 5
 Temperature (°F): 88
 Temperature (°C): 31
 Humidity (%): 43

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



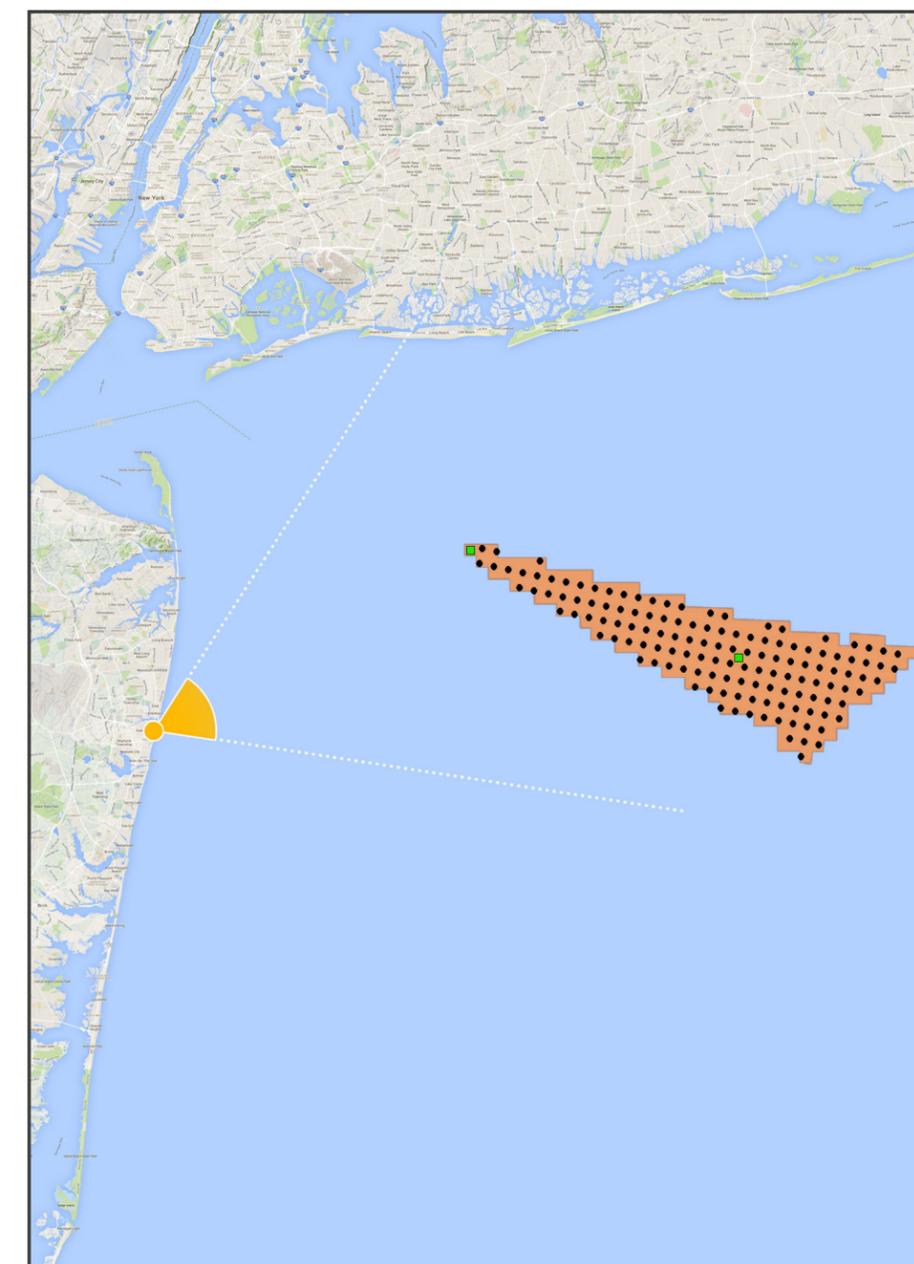
Turbine Information

Distance to Nearest Turbine (NM): 20.0
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
 Rotor Diameter (ft): 498.7
 Total Height to Tip of Blade (ft): 577.4
 Service Platform: 100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



Context Map



● Key Observation Point (KOP) ■ Site Boundary
 ● Turbine ■ Electrical Service Platform



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Ocean Grove
Season: Spring
Time of Day: Morning

Base Photographic Documentation

Date (MM/DD/YYYY): 5/31/2014
 Time (24hr): 10:47
 GPS Longitude: -74.002402
 GPS Latitude: 40.213252
 Viewpoint Elevation (ft): 15.70
 Camera Height (ft): 5.41
 Camera Heading (°): 85

Camera Information

Camera Make & Model: Canon EOS 5D Mark III
 Camera Sensor Size: 36mm x 24mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth: 114.7088126
 Sun Elevation: 57.58434711
 Lighting Angle (On Turbines): Right-Lit
 Weather Conditions: Clear
 Maximum Visibility (NM): 25.0
 Average Predicted Visibility (NM): 18.2
 Wave Height (ft): 1.4
 Period (Seconds): 7
 Temperature (°F): 64
 Temperature (°C): 18
 Humidity (%): 46

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



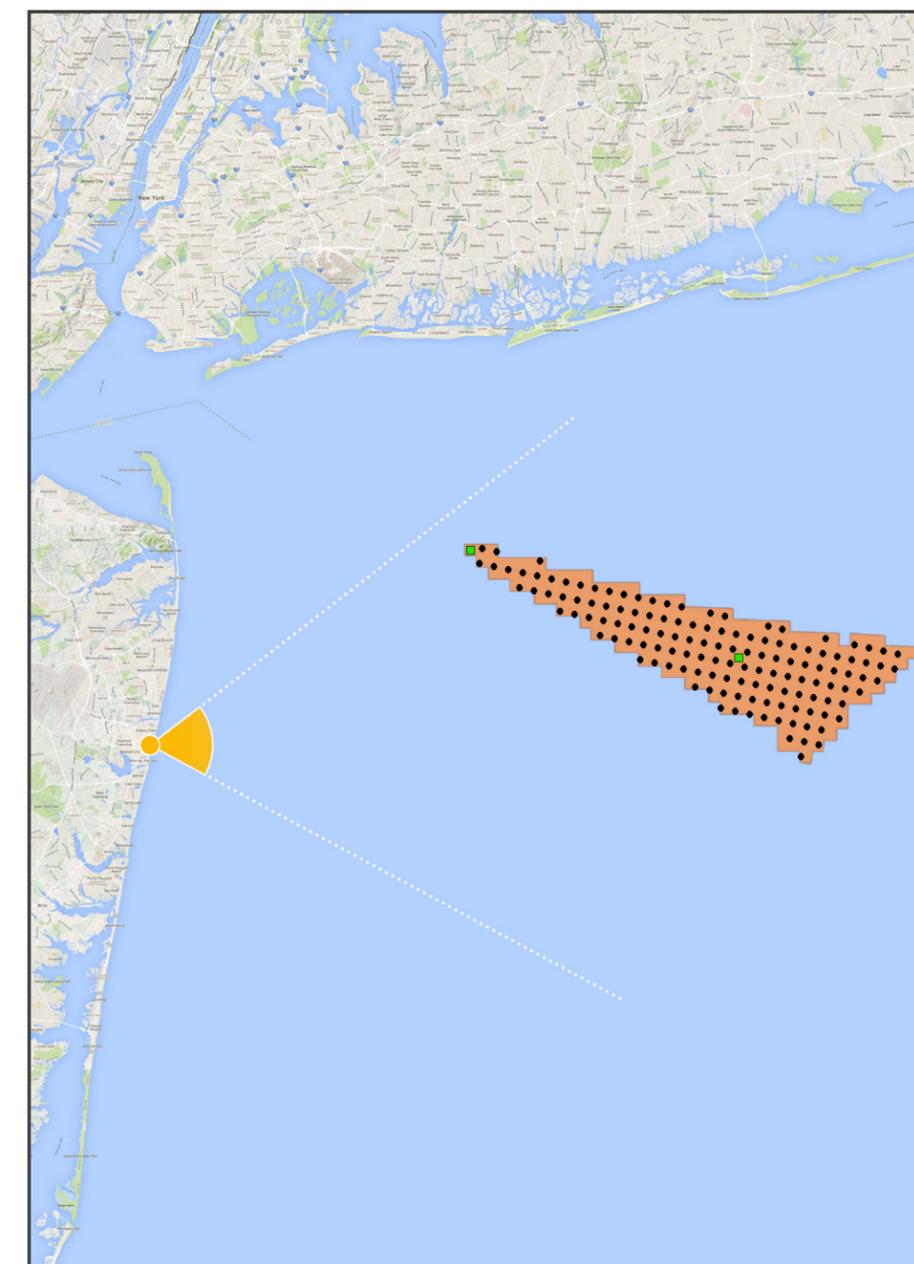
Turbine Information

Distance to Nearest Turbine (NM): 20.5
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
 Rotor Diameter (ft): 498.7
 Total Height to Tip of Blade (ft): 577.4
 Service Platform: 100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



Context Map



● Key Observation Point (KOP) ■ Site Boundary
 ● Turbine ■ Electrical Service Platform



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Ocean Grove
 Season: Spring
 Time of Day: Midday

Base Photographic Documentation

Date (MM/DD/YYYY): 6/6/2014
 Time (24hr): 13:15
 GPS Longitude: -74.002402
 GPS Latitude: 40.213252
 Viewpoint Elevation (ft): 15.70
 Camera Height (ft): 5.41
 Camera Heading (°): 84

Camera Information

Camera Make & Model: Canon EOS 5D Mark III
 Camera Sensor Size: 36mm x 24mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth: 195.2750732
 Sun Elevation: 71.96061268
 Lighting Angle (On Turbines): Back-Lit
 Weather Conditions: Partly-Cloudy
 Maximum Visibility (NM): 24.0
 Average Predicted Visibility (NM): 18.2
 Wave Height (ft): 1.5
 Period (Seconds): 9
 Temperature (°F): 70
 Temperature (°C): 21
 Humidity (%): 50

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



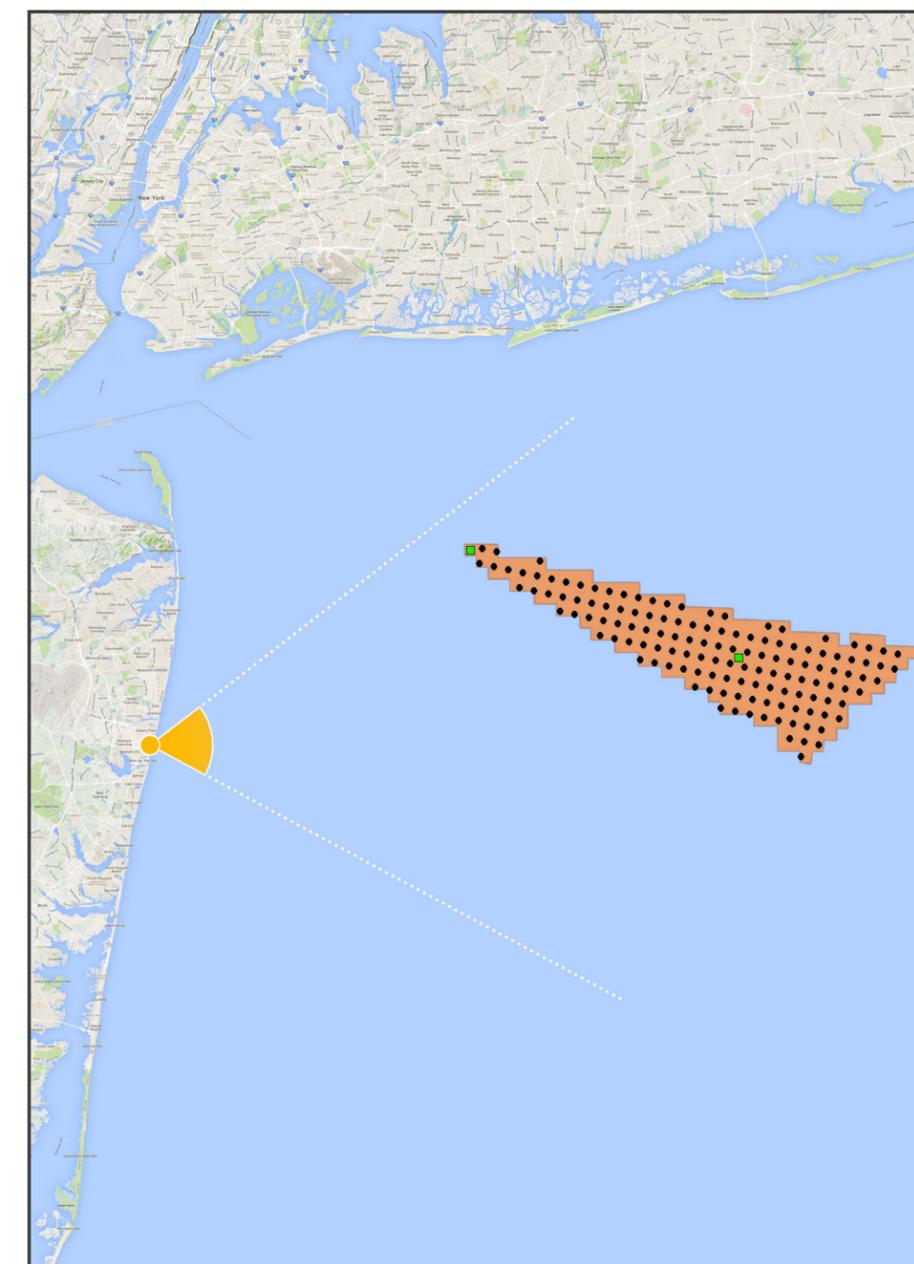
Turbine Information

Distance to Nearest Turbine (NM): 20.5
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
 Rotor Diameter (ft): 498.7
 Total Height to Tip of Blade (ft): 577.4
 Service Platform: 100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



Context Map



● Key Observation Point (KOP) ■ Site Boundary
 ● Turbine ■ Electrical Service Platform



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)

KOP: Ocean Grove
 Season: Spring
 Time of Day: Afternoon

Base Photographic Documentation

Date (MM/DD/YYYY): 6/18/2014
 Time (24hr): 15:25
 GPS Longitude: -74.002402
 GPS Latitude: 40.213252
 Viewpoint Elevation (ft): 15.70
 Camera Height (ft): 5.41
 Camera Heading (°): 85

Camera Information

Camera Make & Model: Canon EOS 6D
 Camera Sensor Size: 35.8mm x 23.9mm
 Lens Make & Model: EF28mm f/1.8 USM
 Lens Focal Length: 28mm
 Field of View: 65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth: 252.8679634
 Sun Elevation: 54.74003769
 Lighting Angle (On Turbines): Front-Lit
 Weather Conditions: Partly-Cloudy
 Maximum Visibility (NM): 26.2
 Average Predicted Visibility (NM): 18.2
 Wave Height (ft): 1.6
 Period (Seconds): 5
 Temperature (°F): 88
 Temperature (°C): 31
 Humidity (%): 40

Viewing Instructions

For 11 x 17 inch Printed Display: Viewing distance is 11.2 inches (285 mm)
 For On-Screen Display: Viewing distance is 11.2 inches (285 mm)

Image Preview



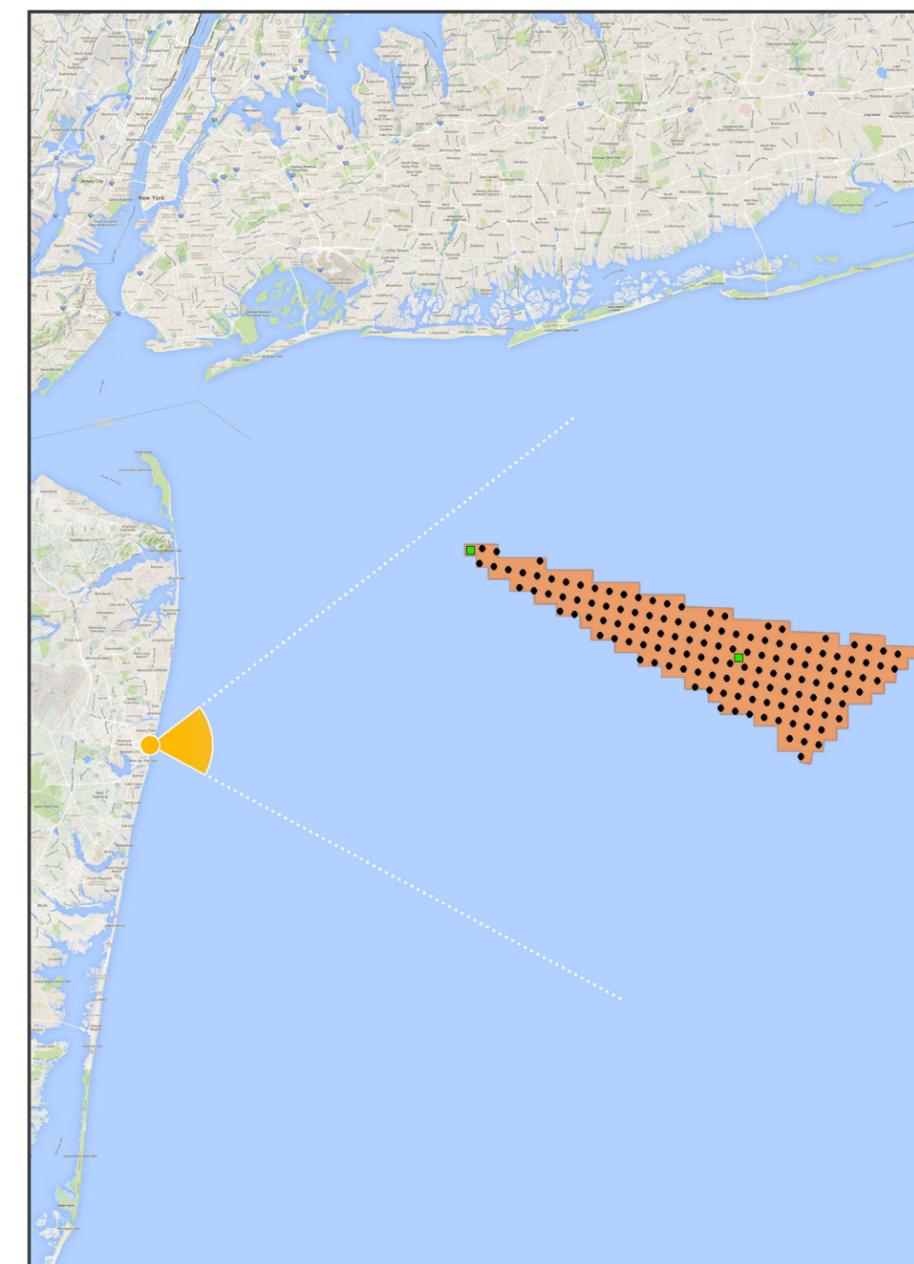
Turbine Information

Distance to Nearest Turbine (NM): 20.5
 Make & Model: Senvion 6.2M 152
 Number of Turbines: 134
 Hub Height (ft): 328.1
 Support Structure Height (ft): 25
 Rotor Diameter (ft): 498.7
 Total Height to Tip of Blade (ft): 577.4
 Service Platform: 100ft x 200ft Steel Platform, 40ft above MWS

Scale Bar



Context Map



● Key Observation Point (KOP) ■ Site Boundary
 ● Turbine ■ Electrical Service Platform



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)



Scale bar to be 4 inches wide (102 mm)

For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

For On-Screen Display:
Viewing distance is 11.2 inches (285 mm)