H3 Fall

This page intentionally left blank.

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 visibly 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: Fall
Time of Day: Morning

Base Photographic Documentation

Date (MM/DD/YYYY):	11/21/2014
Time (24hr):	08:12
GPS Longitude:	-72.866598
GPS Latitude:	40.732304
Viewpoint Elevation (ft):	16.35
Camera Height (ft):	5.41
Camera Heading (°):	219

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:	131.1785823
Sun Elevation:	12.84167034
Lighting Angle (On Turbines):	Left-Lit
Weather Conditions:	Clear
Maximum Visibility (NM):	24.8
Average Predicted Visibility (NM):	16.6
Wave Height (ft):	1.8
Period (Seconds):	7
Temperature (°F):	30
Temperature (°C):	-1
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

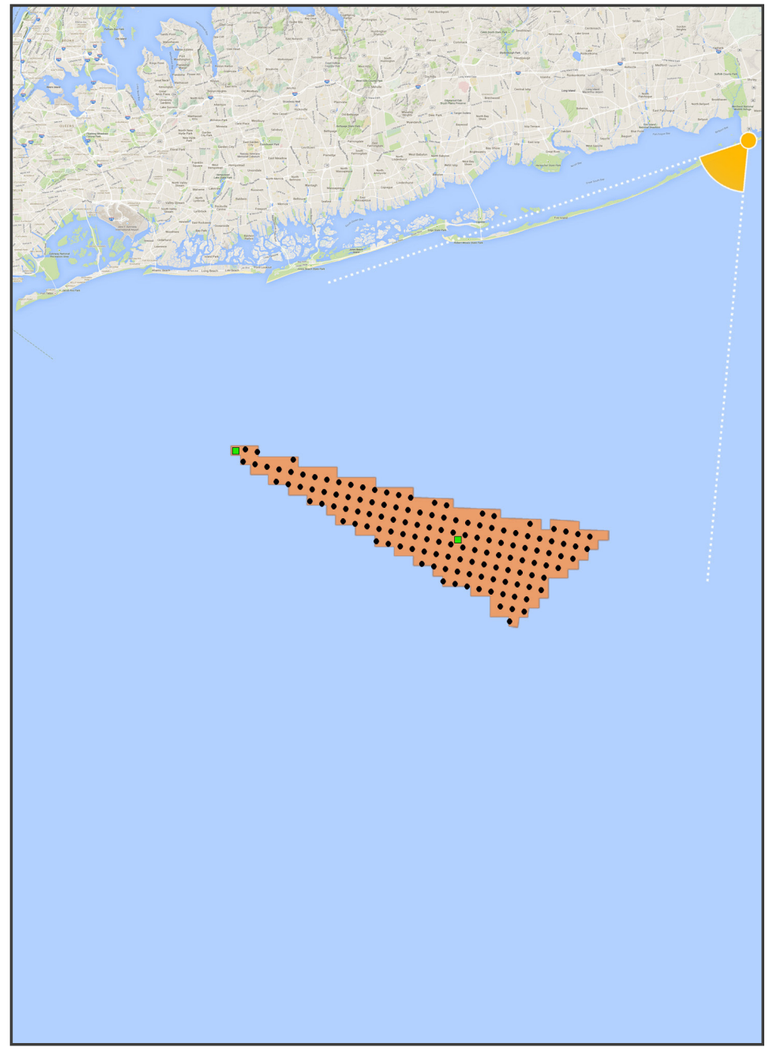
Turbine Information

Distance to Nearest Turbine (NM):	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

Scale bar to be 4 inches wide (102 mm)

Context Map



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

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - OTIS PIKE FIRE ISLAND HIGH DUNE WILDERNESS - VISITOR CENTER
EXISTING CONDITIONS (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - OTIS PIKE FIRE ISLAND HIGH DUNE WILDERNESS - VISITOR CENTER
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - OTIS PIKE FIRE ISLAND HIGH DUNE WILDERNESS - VISITOR CENTER
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - OTIS PIKE FIRE ISLAND HIGH DUNE WILDERNESS - VISITOR CENTER
SIMULATION OF PROJECT: WIREFRAME (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

URS BOEM Bureau of Ocean Energy Management Truescape®

KOP: **Otis Pike Fire Island High Dune Wilderness - Visitor Center**
Season: Fall
Time of Day: Midday

Base Photographic Documentation

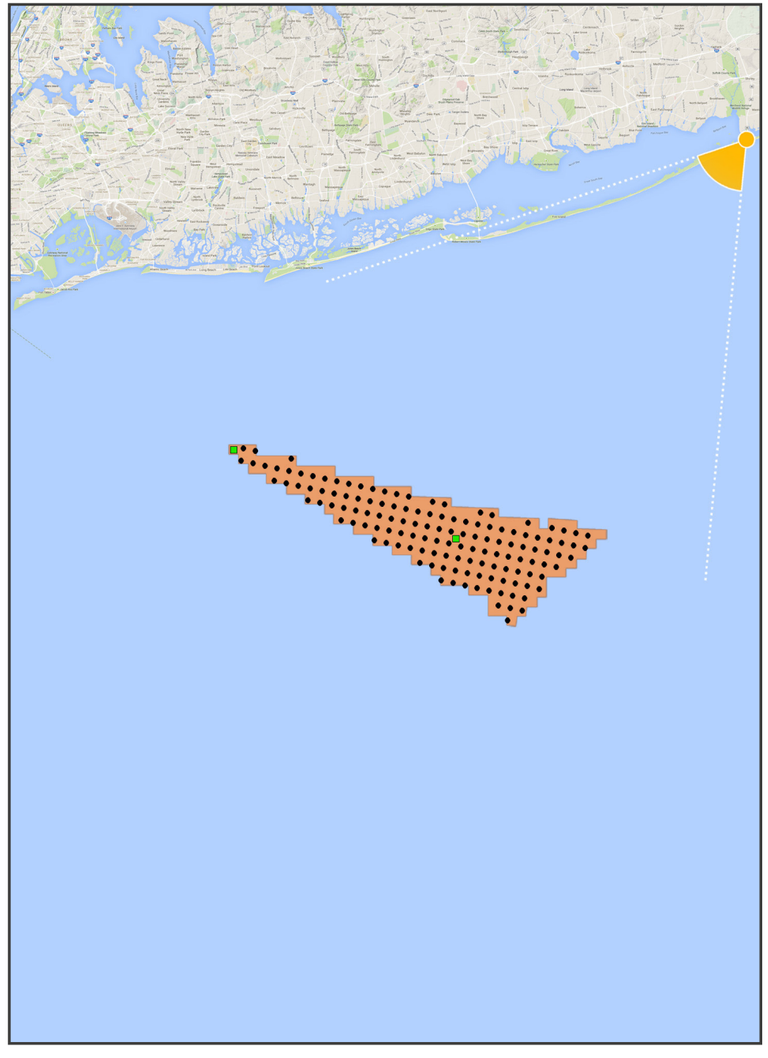
Date (MM/DD/YYYY):	11/20/2014
Time (24hr):	13:26
GPS Longitude:	-73.218543
GPS Latitude:	40.632373
Viewpoint Elevation (ft):	16.35
Camera Height (ft):	5.41
Camera Heading (°):	218

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)

Image Preview

Context Map



Sun And Weather Information

Sun Azimuth:	207.8878898
Sun Elevation:	24.61541077
Lighting Angle (On Turbines):	Back-Lit
Weather Conditions:	Partly-Cloudy
Maximum Visibility (NM):	26.4
Average Predicted Visibility (NM):	16.6
Wave Height (ft):	5
Period (Seconds):	7
Temperature (°F):	46
Temperature (°C):	8
Humidity (%):	39

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

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)

Scale Bar

Scale bar to be 4 inches wide (102 mm)

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

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - OTIS PIKE FIRE ISLAND HIGH DUNE WILDERNESS - VISITOR CENTER
EXISTING CONDITIONS (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - OTIS PIKE FIRE ISLAND HIGH DUNE WILDERNESS - VISITOR CENTER
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - OTIS PIKE FIRE ISLAND HIGH DUNE WILDERNESS - VISITOR CENTER
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - OTIS PIKE FIRE ISLAND HIGH DUNE WILDERNESS - VISITOR CENTER
SIMULATION OF PROJECT: WIREFRAME (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KOP: **Otis Pike Fire Island High Dune Wilderness - Visitor Center**
Season: Fall
Time of Day: Afternoon

Base Photographic Documentation

Date (MM/DD/YYYY):	10/20/2014
Time (24hr):	15:09
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:	223.4201308
Sun Elevation:	27.80231385
Lighting Angle (On Turbines):	Back-Lit
Weather Conditions:	Partly-Cloudy
Maximum Visibility (NM):	25.4
Average Predicted Visibility (NM):	16.6
Wave Height (ft):	1.9
Period (Seconds):	9
Temperature (°F):	59
Temperature (°C):	15
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

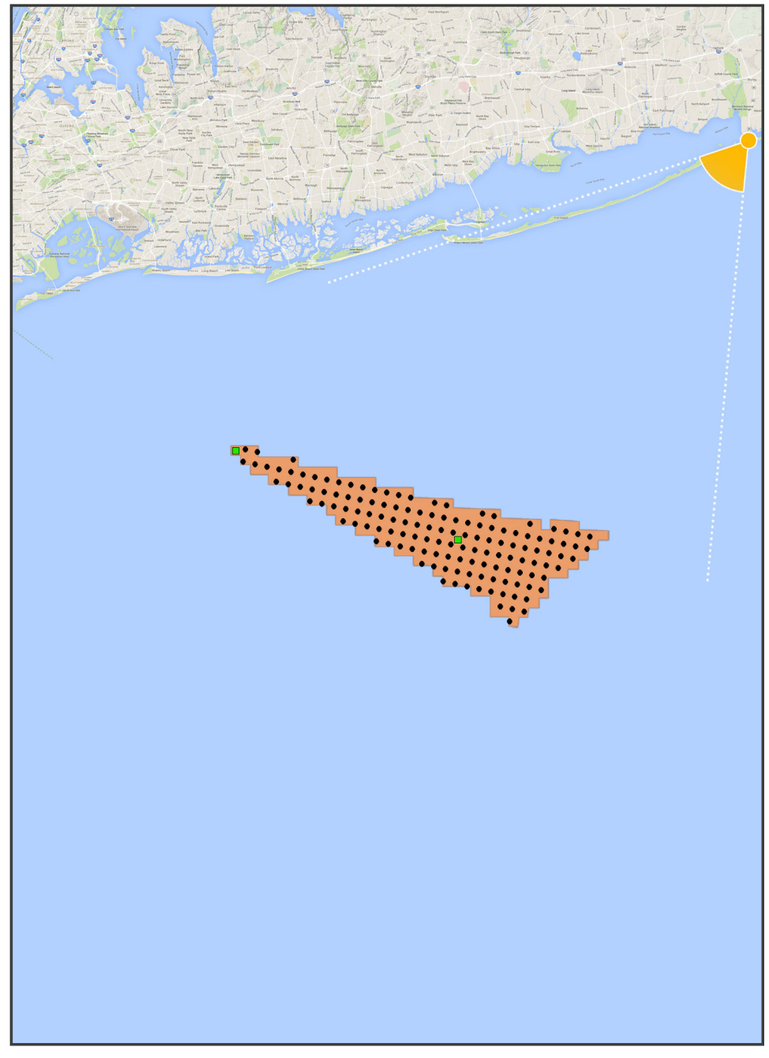
Turbine Information

Distance to Nearest Turbine (NM):	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

Scale bar to be 4 inches wide (102 mm)

Context Map



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

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - OTIS PIKE FIRE ISLAND HIGH DUNE WILDERNESS - VISITOR CENTER
EXISTING CONDITIONS (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - OTIS PIKE FIRE ISLAND HIGH DUNE WILDERNESS - VISITOR CENTER
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - OTIS PIKE FIRE ISLAND HIGH DUNE WILDERNESS - VISITOR CENTER
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - OTIS PIKE FIRE ISLAND HIGH DUNE WILDERNESS - VISITOR CENTER
SIMULATION OF PROJECT: WIREFRAME (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

URS BOEM Bureau of Ocean Energy Management Truescape®

KOP: **Otis Pike Fire Island High Dune Wilderness - Visitor Center**
Season: Fall
Time of Day: Night

Base Photographic Documentation

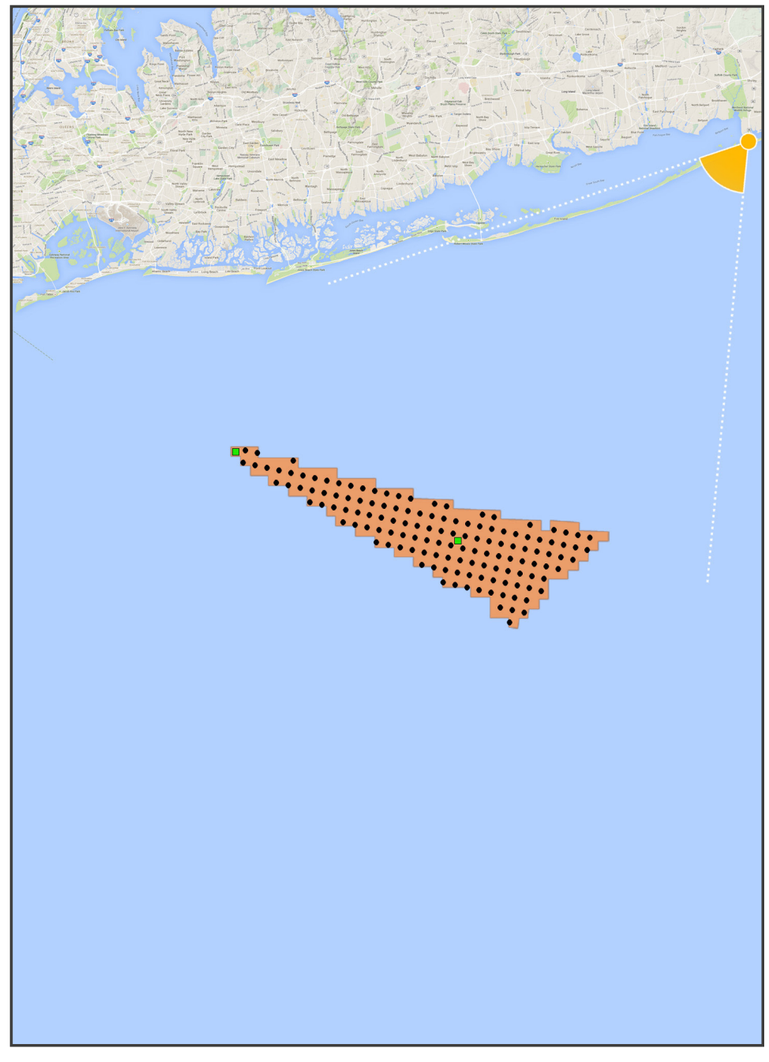
Date (MM/DD/YYYY):	11/20/2014
Time (24hr):	23:00
GPS Longitude:	-72.866598
GPS Latitude:	40.732304
Viewpoint Elevation (ft):	16.35
Camera Height (ft):	5.41
Camera Heading (°):	217

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)

Image Preview

Context Map



Sun And Weather Information

Sun Azimuth:	N/A
Sun Elevation:	N/A
Lighting Angle (On Turbines):	N/A
Weather Conditions:	Cloud
Maximum Visibility (NM):	25.8
Average Predicted Visibility (NM):	16.6
Wave Height (ft):	3.5
Period (Seconds):	7
Temperature (°F):	34
Temperature (°C):	1
Humidity (%):	42

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

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)

Scale Bar

Scale bar to be 4 inches wide (102 mm)

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

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - OTIS PIKE FIRE ISLAND HIGH DUNE WILDERNESS - VISITOR CENTER
EXISTING CONDITIONS (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - OTIS PIKE FIRE ISLAND HIGH DUNE WILDERNESS - VISITOR CENTER
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - OTIS PIKE FIRE ISLAND HIGH DUNE WILDERNESS - VISITOR CENTER
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - OTIS PIKE FIRE ISLAND HIGH DUNE WILDERNESS - VISITOR CENTER
SIMULATION OF PROJECT: WIREFRAME (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

URS BOEM Bureau of Ocean Energy Management Truescape®

KOP: **Sunken Forest**
Season: Fall
Time of Day: Morning

Base Photographic Documentation

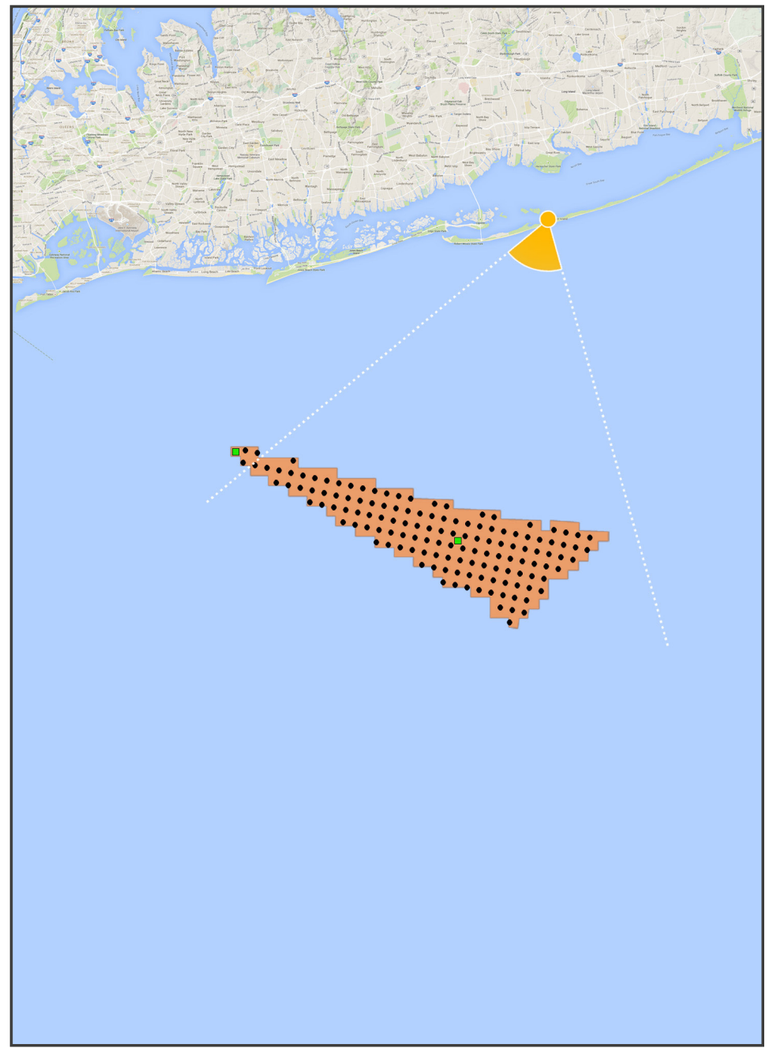
Date (MM/DD/YYYY):	12/12/2014
Time (24hr):	09:19
GPS Longitude:	-73.112372
GPS Latitude:	40.654935
Viewpoint Elevation (ft):	31.31
Camera Height (ft):	5.41
Camera Heading (°):	196

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)

Image Preview

Context Map



Sun And Weather Information

Sun Azimuth:	144.6814786
Sun Elevation:	17.65839401
Lighting Angle (On Turbines):	Back-Lit
Weather Conditions:	Overcast
Maximum Visibility (NM):	19.8
Average Predicted Visibility (NM):	16.5
Wave Height (ft):	2.5
Period (Seconds):	10
Temperature (°F):	34
Temperature (°C):	1
Humidity (%):	64

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

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)

Scale Bar

Scale bar to be 4 inches wide (102 mm)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SUNKEN FOREST
EXISTING CONDITIONS (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SUNKEN FOREST
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SUNKEN FOREST
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SUNKEN FOREST
SIMULATION OF PROJECT: WIREFRAME (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

URS BOEM Bureau of Ocean Energy Management Truescape®

KOP: **Sunken Forest**
Season: Fall
Time of Day: Midday

Base Photographic Documentation

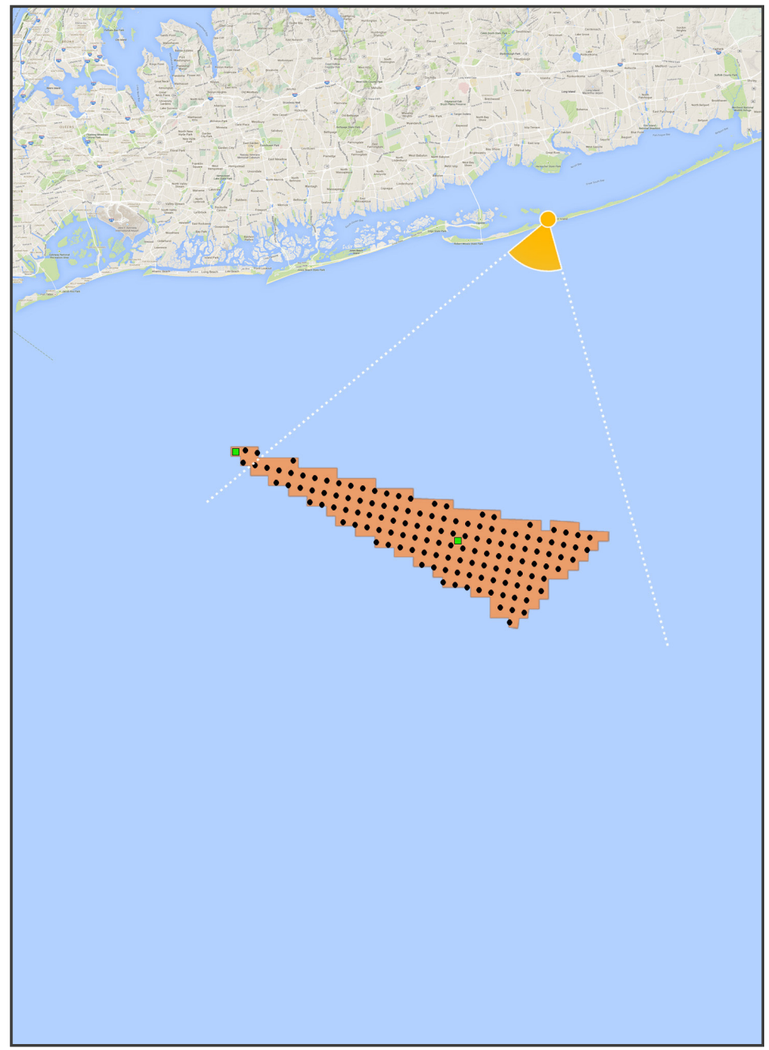
Date (MM/DD/YYYY):	12/12/2014
Time (24hr):	12:28
GPS Longitude:	-73.112372
GPS Latitude:	40.654935
Viewpoint Elevation (ft):	31.31
Camera Height (ft):	5.41
Camera Heading (°):	196

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)

Image Preview

Context Map



Sun And Weather Information

Sun Azimuth:	190.6478557
Sun Elevation:	25.5061743
Lighting Angle (On Turbines):	Back-Lit
Weather Conditions:	Partly-Cloudy
Maximum Visibility (NM):	22.6
Average Predicted Visibility (NM):	16.5
Wave Height (ft):	2
Period (Seconds):	10
Temperature (°F):	36
Temperature (°C):	2
Humidity (%):	55

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

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)

Scale Bar

Scale bar to be 4 inches wide (102 mm)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SUNKEN FOREST
EXISTING CONDITIONS (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SUNKEN FOREST
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SUNKEN FOREST
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SUNKEN FOREST
SIMULATION OF PROJECT: WIREFRAME (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KOP: **Sunken Forest**
Season: Fall
Time of Day: Afternoon

Base Photographic Documentation

Date (MM/DD/YYYY):	12/12/2014
Time (24hr):	15:20
GPS Longitude:	-73.112372
GPS Latitude:	40.654935
Viewpoint Elevation (ft):	31.31
Camera Height (ft):	5.41
Camera Heading (°):	195

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:	228.4460677
Sun Elevation:	9.20632269
Lighting Angle (On Turbines):	Back-Lit
Weather Conditions:	Partly-Cloudy
Maximum Visibility (NM):	22.6
Average Predicted Visibility (NM):	16.5
Wave Height (ft):	2
Period (Seconds):	10
Temperature (°F):	36
Temperature (°C):	2
Humidity (%):	55

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

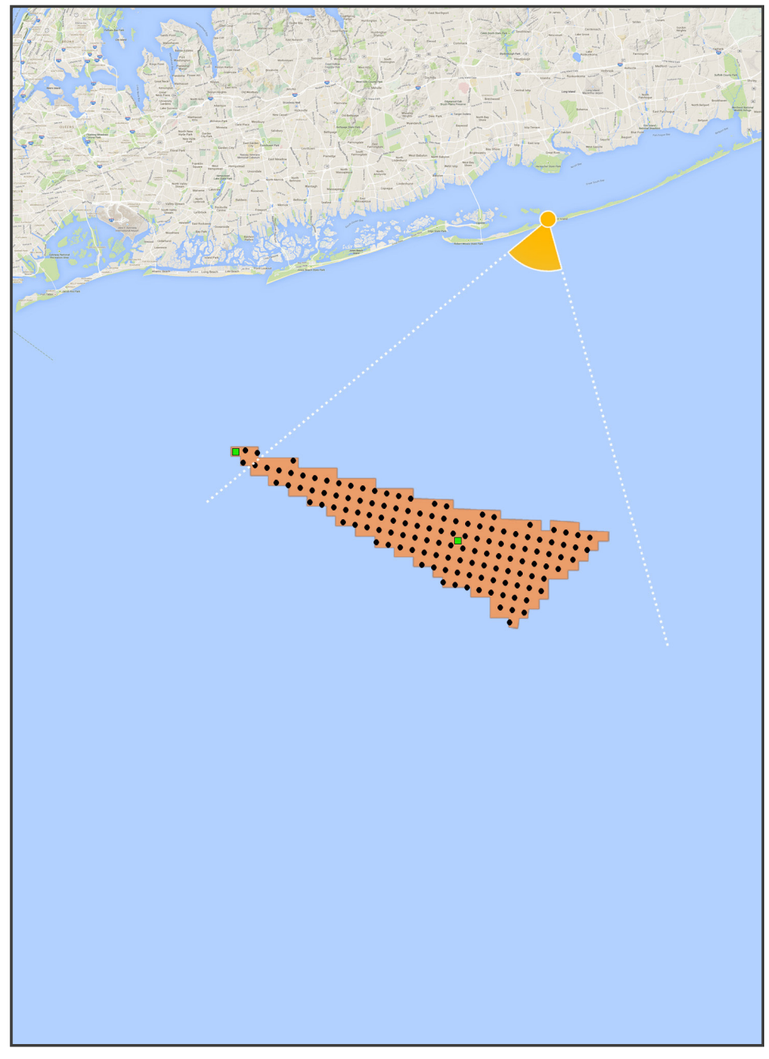
Turbine Information

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

Scale bar to be 4 inches wide (102 mm)

Context Map



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

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SUNKEN FOREST
EXISTING CONDITIONS (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SUNKEN FOREST
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SUNKEN FOREST
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SUNKEN FOREST
SIMULATION OF PROJECT: WIREFRAME (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

URS BOEM Bureau of Ocean Energy Management Truescape®

KOP: **Sunken Forest**
Season: Fall
Time of Day: Night

Base Photographic Documentation

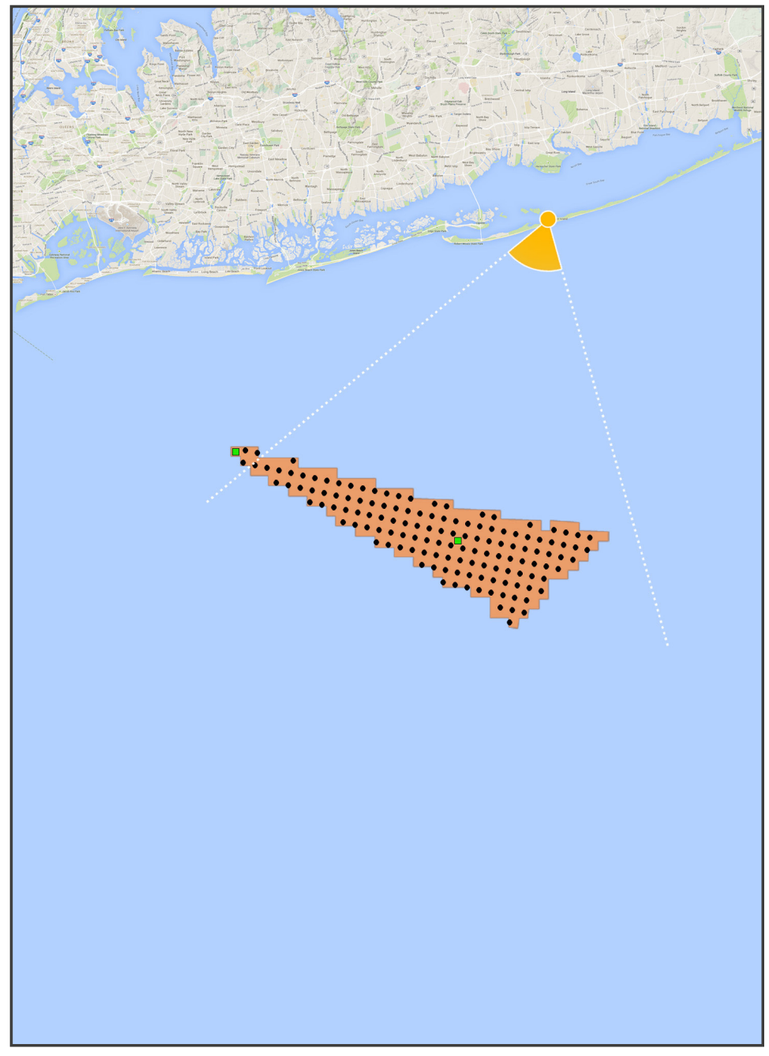
Date (MM/DD/YYYY):	10/24/2014
Time (24hr):	20:45
GPS Longitude:	-73.112372
GPS Latitude:	40.654935
Viewpoint Elevation (ft):	31.31
Camera Height (ft):	5.41
Camera Heading (°):	193

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)

Image Preview

Context Map



Sun And Weather Information

Sun Azimuth:	N/A
Sun Elevation:	N/A
Lighting Angle (On Turbines):	N/A
Weather Conditions:	Partly-Cloudy
Maximum Visibility (NM):	14.6
Average Predicted Visibility (NM):	16.5
Wave Height (ft):	1.9
Period (Seconds):	9
Temperature (°F):	59
Temperature (°C):	15
Humidity (%):	77

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

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)

Scale Bar

Scale bar to be 4 inches wide (102 mm)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SUNKEN FOREST
EXISTING CONDITIONS (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SUNKEN FOREST
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SUNKEN FOREST
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SUNKEN FOREST
SIMULATION OF PROJECT: WIREFRAME (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

URS BOEM Bureau of Ocean Energy Management Truescape®

KOP: **Fire Island Light House**
Season: Fall
Time of Day: Morning

Base Photographic Documentation

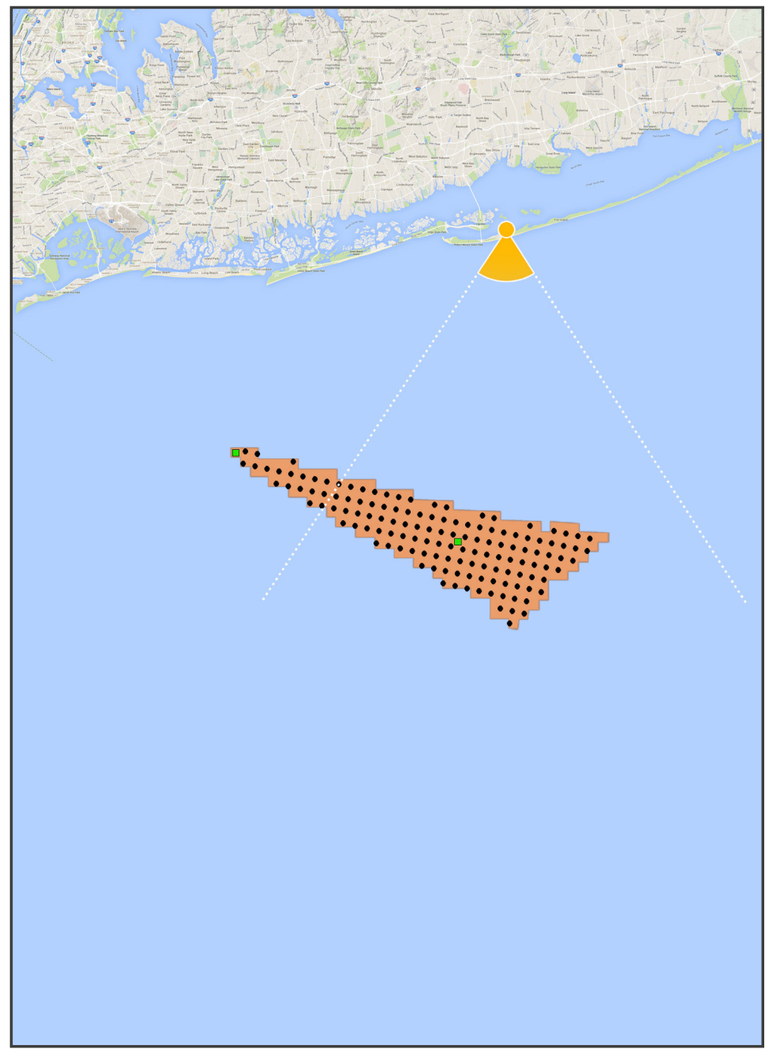
Date (MM/DD/YYYY):	11/21/2014
Time (24hr):	09:31
GPS Longitude:	-73.218569
GPS Latitude:	40.632419
Viewpoint Elevation (ft):	154.68
Camera Height (ft):	5.41
Camera Heading (°):	181

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)

Image Preview

Context Map



Sun And Weather Information

Sun Azimuth:	147.4437294
Sun Elevation:	22.50995866
Lighting Angle (On Turbines):	Back-Lit
Weather Conditions:	Partly-Cloudy
Maximum Visibility (NM):	25.8
Average Predicted Visibility (NM):	16.5
Wave Height (ft):	0.7
Period (Seconds):	9
Temperature (°F):	30
Temperature (°C):	-1
Humidity (%):	42

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

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)

Scale Bar

Scale bar to be 4 inches wide (102 mm)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - FIRE ISLAND LIGHT HOUSE
EXISTING CONDITIONS (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - FIRE ISLAND LIGHT HOUSE
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - FIRE ISLAND LIGHT HOUSE
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - FIRE ISLAND LIGHT HOUSE
SIMULATION OF PROJECT: WIREFRAME (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

URS BOEM Bureau of Ocean Energy Management Truescape®

KOP: **Fire Island Light House**
Season: Fall
Time of Day: Midday

Base Photographic Documentation

Date (MM/DD/YYYY):	11/20/2014
Time (24hr):	12:31
GPS Longitude:	-73.218569
GPS Latitude:	40.632419
Viewpoint Elevation (ft):	154.68
Camera Height (ft):	5.41
Camera Heading (°):	182

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:	194.0480495
Sun Elevation:	28.3656204
Lighting Angle (On Turbines):	Back-Lit
Weather Conditions:	Partly-Cloudy
Maximum Visibility (NM):	26.8
Average Predicted Visibility (NM):	16.5
Wave Height (ft):	4
Period (Seconds):	7
Temperature (°F):	43
Temperature (°C):	6
Humidity (%):	37

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

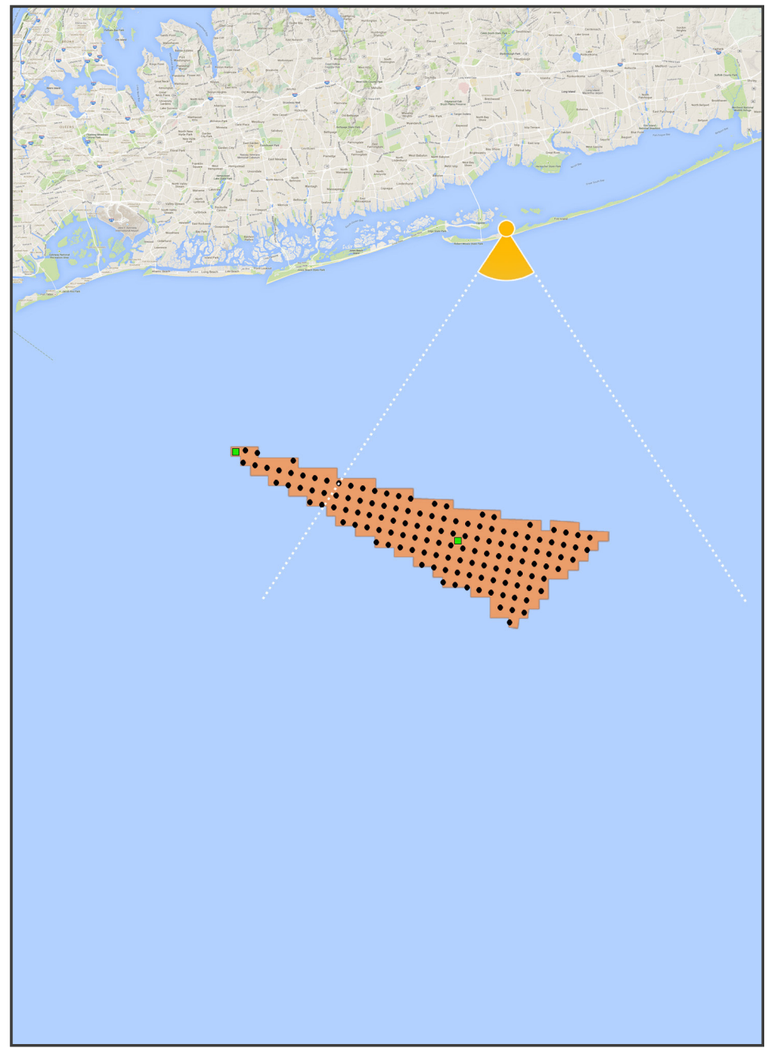
Turbine Information

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

Scale bar to be 4 inches wide (102 mm)

Context Map



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

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - FIRE ISLAND LIGHT HOUSE
EXISTING CONDITIONS (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - FIRE ISLAND LIGHT HOUSE
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - FIRE ISLAND LIGHT HOUSE
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - FIRE ISLAND LIGHT HOUSE
SIMULATION OF PROJECT: WIREFRAME (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

URS BOEM Bureau of Ocean Energy Management Truescape®

KOP: **Fire Island Light House**
Season: Fall
Time of Day: Afternoon

Base Photographic Documentation

Date (MM/DD/YYYY):	10/20/2014
Time (24hr):	13:35
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:	197.8031563
Sun Elevation:	37.18334007
Lighting Angle (On Turbines):	Right-Lit
Weather Conditions:	Partly-Cloudy
Maximum Visibility (NM):	26.0
Average Predicted Visibility (NM):	16.5
Wave Height (ft):	2
Period (Seconds):	9
Temperature (°F):	59
Temperature (°C):	15
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

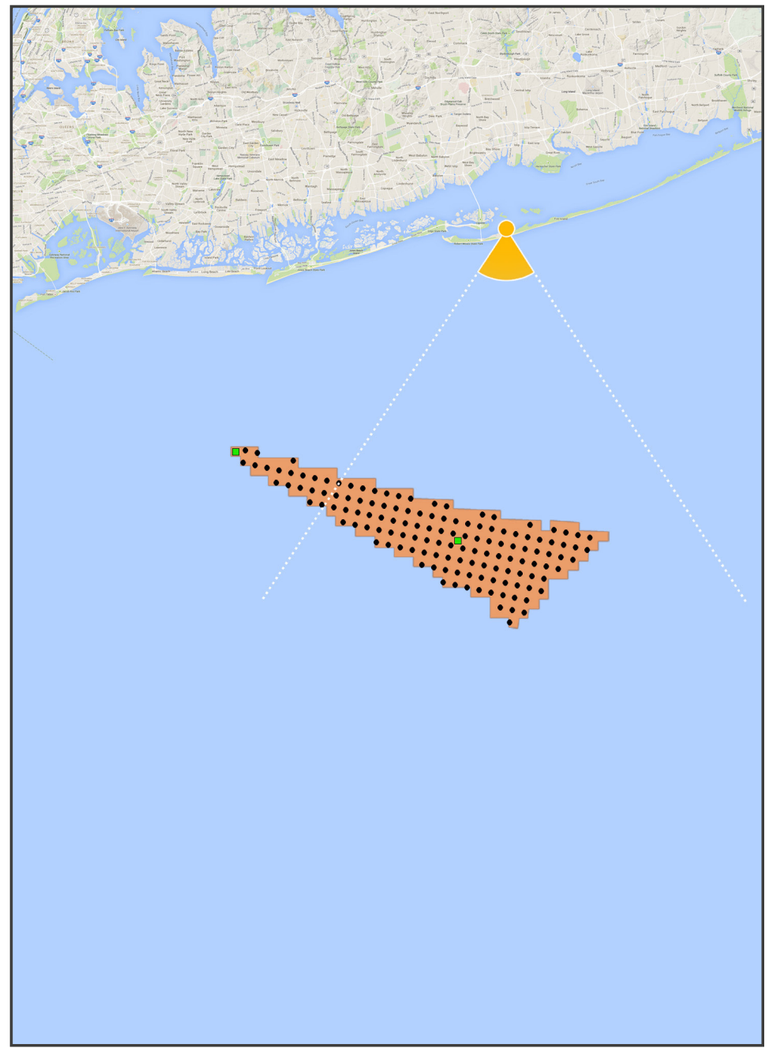
Turbine Information

Distance to Nearest Turbine (NM):	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

Scale bar to be 4 inches wide (102 mm)

Context Map



This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - FIRE ISLAND LIGHT HOUSE
EXISTING CONDITIONS (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - FIRE ISLAND LIGHT HOUSE
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - FIRE ISLAND LIGHT HOUSE
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - FIRE ISLAND LIGHT HOUSE
SIMULATION OF PROJECT: WIREFRAME (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

URS BOEM Bureau of Ocean Energy Management Truescape®

KOP: **Fire Island Light House**
Season: Fall
Time of Day: Night

Base Photographic Documentation

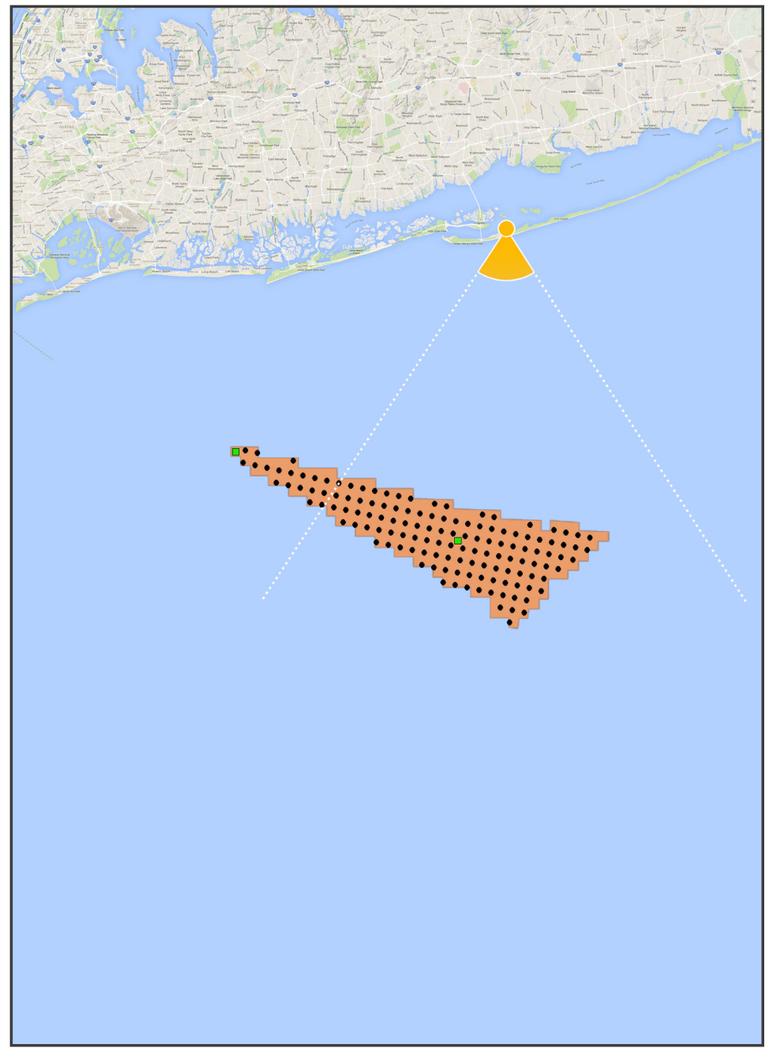
Date (MM/DD/YYYY):	11/20/2014
Time (24hr):	21:48
GPS Longitude:	-73.218569
GPS Latitude:	40.632419
Viewpoint Elevation (ft):	154.68
Camera Height (ft):	5.41
Camera Heading (°):	183

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)

Image Preview

Context Map



Sun And Weather Information

Sun Azimuth:	N/A
Sun Elevation:	N/A
Lighting Angle (On Turbines):	N/A
Weather Conditions:	Overcast
Maximum Visibility (NM):	27.2
Average Predicted Visibility (NM):	16.5
Wave Height (ft):	3.5
Period (Seconds):	7
Temperature (°F):	36
Temperature (°C):	2
Humidity (%):	34

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

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)

Scale Bar

Scale bar to be 4 inches wide (102 mm)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - FIRE ISLAND LIGHT HOUSE
EXISTING CONDITIONS (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - FIRE ISLAND LIGHT HOUSE
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - FIRE ISLAND LIGHT HOUSE
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - FIRE ISLAND LIGHT HOUSE
SIMULATION OF PROJECT: WIREFRAME (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

URS BOEM Bureau of Ocean Energy Management Truescape®

KOP: **Jones Beach**
Season: Fall
Time of Day: Morning

Base Photographic Documentation

Date (MM/DD/YYYY):	11/21/2014
Time (24hr):	10:18
GPS Longitude:	-73.507291
GPS Latitude:	40.59421
Viewpoint Elevation (ft):	16.28
Camera Height (ft):	5.41
Camera Heading (°):	146

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:	158.4485467
Sun Elevation:	26.49884261
Lighting Angle (On Turbines):	Back-Lit
Weather Conditions:	Partly-Cloudy
Maximum Visibility (NM):	26.2
Average Predicted Visibility (NM):	18.6
Wave Height (ft):	1.5
Period (Seconds):	6
Temperature (°F):	32
Temperature (°C):	0
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

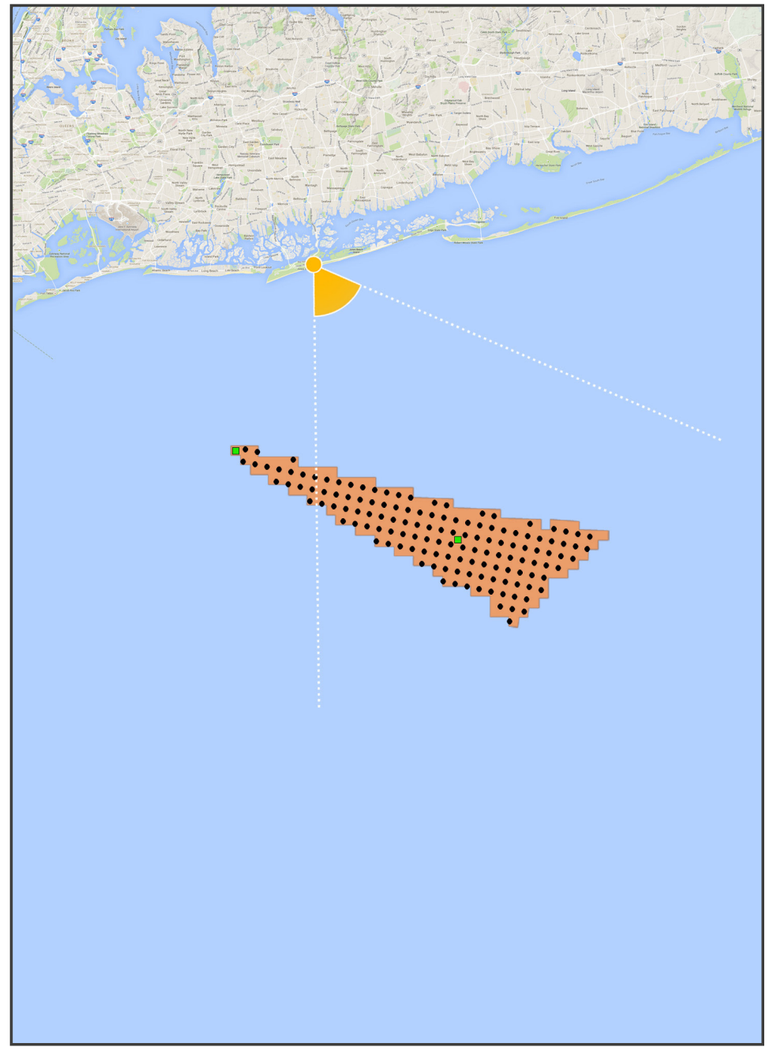
Turbine Information

Distance to Nearest Turbine (NM):	12.9
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

Scale bar to be 4 inches wide (102 mm)

Context Map



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

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - JONES BEACH
EXISTING CONDITIONS (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - JONES BEACH
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - JONES BEACH
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - JONES BEACH
SIMULATION OF PROJECT: WIREFRAME (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

URS BOEM Bureau of Ocean Energy Management Truescape®

KOP: **Jones Beach**
Season: Fall
Time of Day: Midday

Base Photographic Documentation

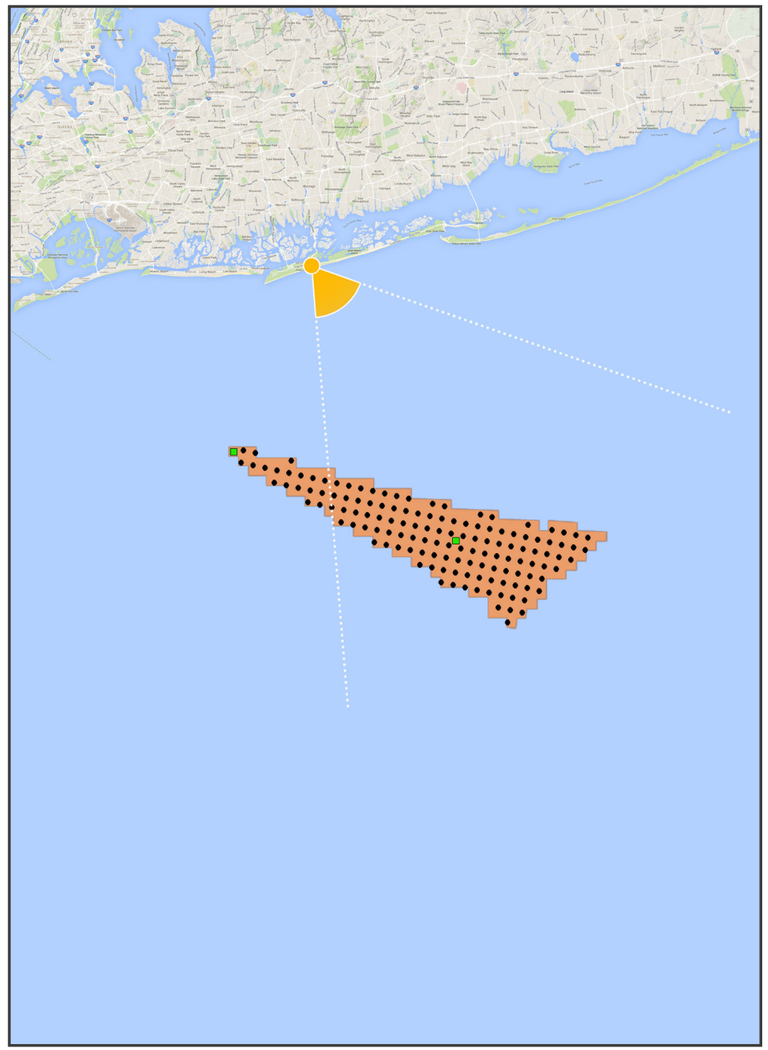
Date (MM/DD/YYYY):	10/20/2014
Time (24hr):	12:24
GPS Longitude:	-73.507291
GPS Latitude:	40.59421
Viewpoint Elevation (ft):	16.28
Camera Height (ft):	5.41
Camera Heading (°):	142

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)

Image Preview

Context Map



Sun And Weather Information

Sun Azimuth:	175.3317549
Sun Elevation:	38.81681001
Lighting Angle (On Turbines):	Back-Lit
Weather Conditions:	Partly-Cloudy
Maximum Visibility (NM):	25.8
Average Predicted Visibility (NM):	18.6
Wave Height (ft):	2
Period (Seconds):	9
Temperature (°F):	55
Temperature (°C):	13
Humidity (%):	42

Turbine Information

Distance to Nearest Turbine (NM):	12.9
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

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)

Scale Bar

Scale bar to be 4 inches wide (102 mm)

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

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - JONES BEACH
EXISTING CONDITIONS (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - JONES BEACH
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - JONES BEACH
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - JONES BEACH
SIMULATION OF PROJECT: WIREFRAME (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KOP: **Jones Beach**
Season: Fall
Time of Day: Afternoon

Base Photographic Documentation

Date (MM/DD/YYYY):	11/20/2014
Time (24hr):	15:10
GPS Longitude:	-73.507291
GPS Latitude:	40.59421
Viewpoint Elevation (ft):	16.28
Camera Height (ft):	5.41
Camera Heading (°):	148

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:	229.8921018
Sun Elevation:	12.3391543
Lighting Angle (On Turbines):	Back-Lit
Weather Conditions:	Clear
Maximum Visibility (NM):	26.2
Average Predicted Visibility (NM):	18.6
Wave Height (ft):	5
Period (Seconds):	7
Temperature (°F):	45
Temperature (°C):	7
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

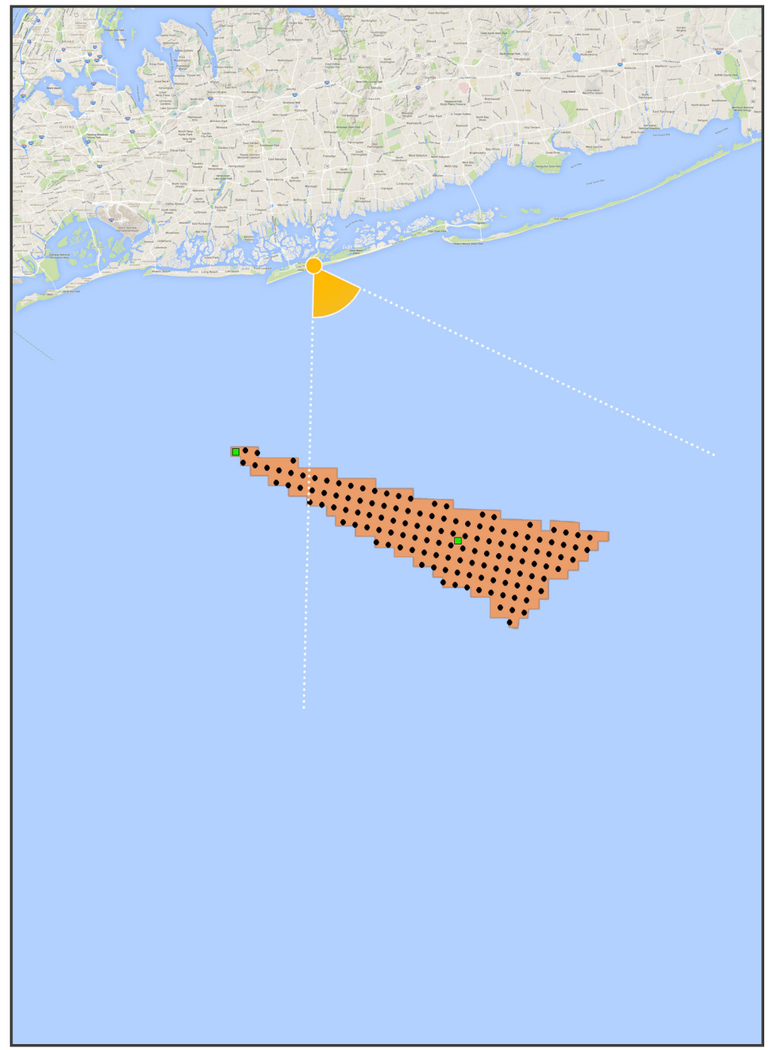
Turbine Information

Distance to Nearest Turbine (NM):	12.9
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

Scale bar to be 4 inches wide (102 mm)

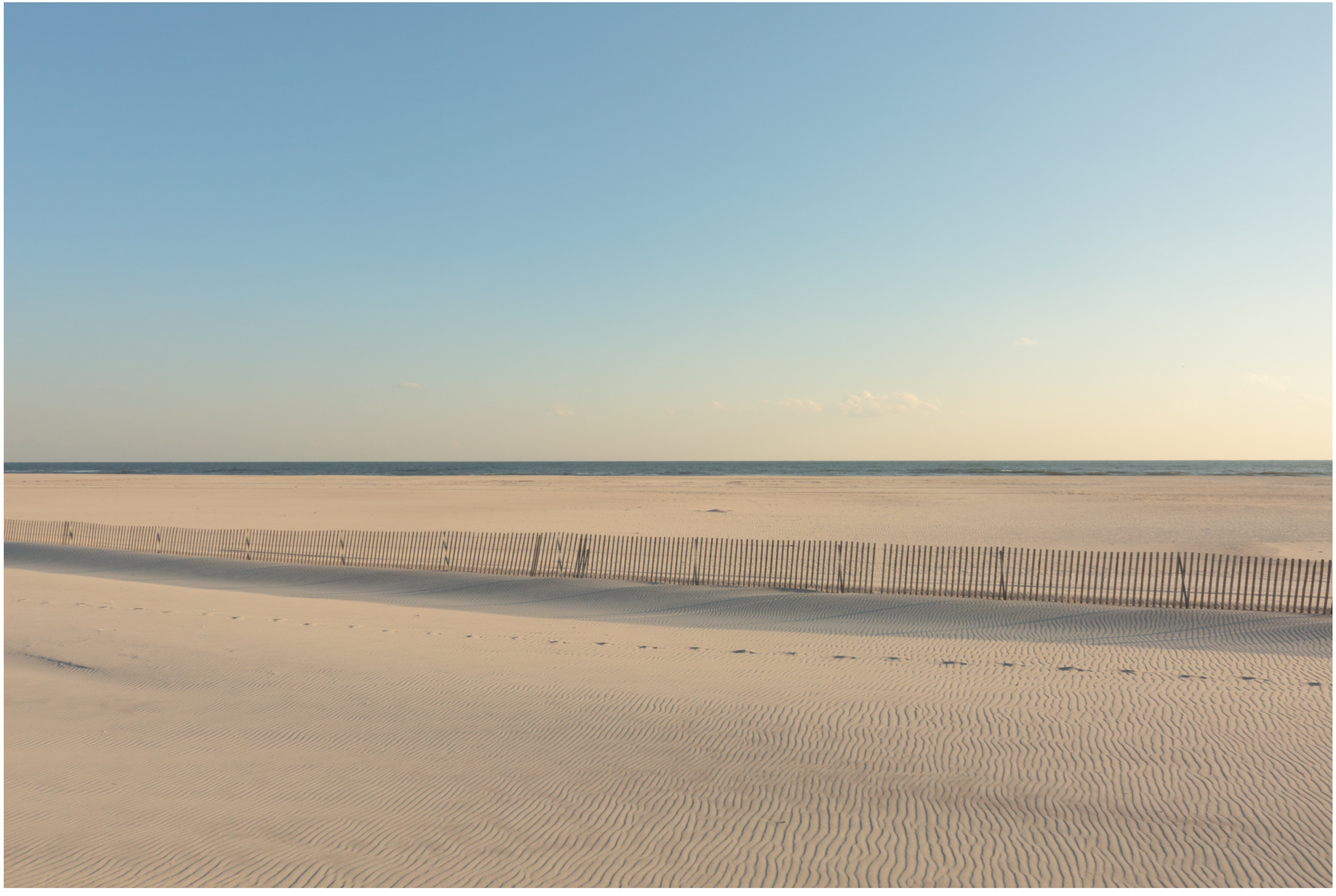
Context Map



This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - JONES BEACH
EXISTING CONDITIONS (FALL / AFTERNOON)

Truescape®



Scale bar to be 4 inches wide (102 mm)

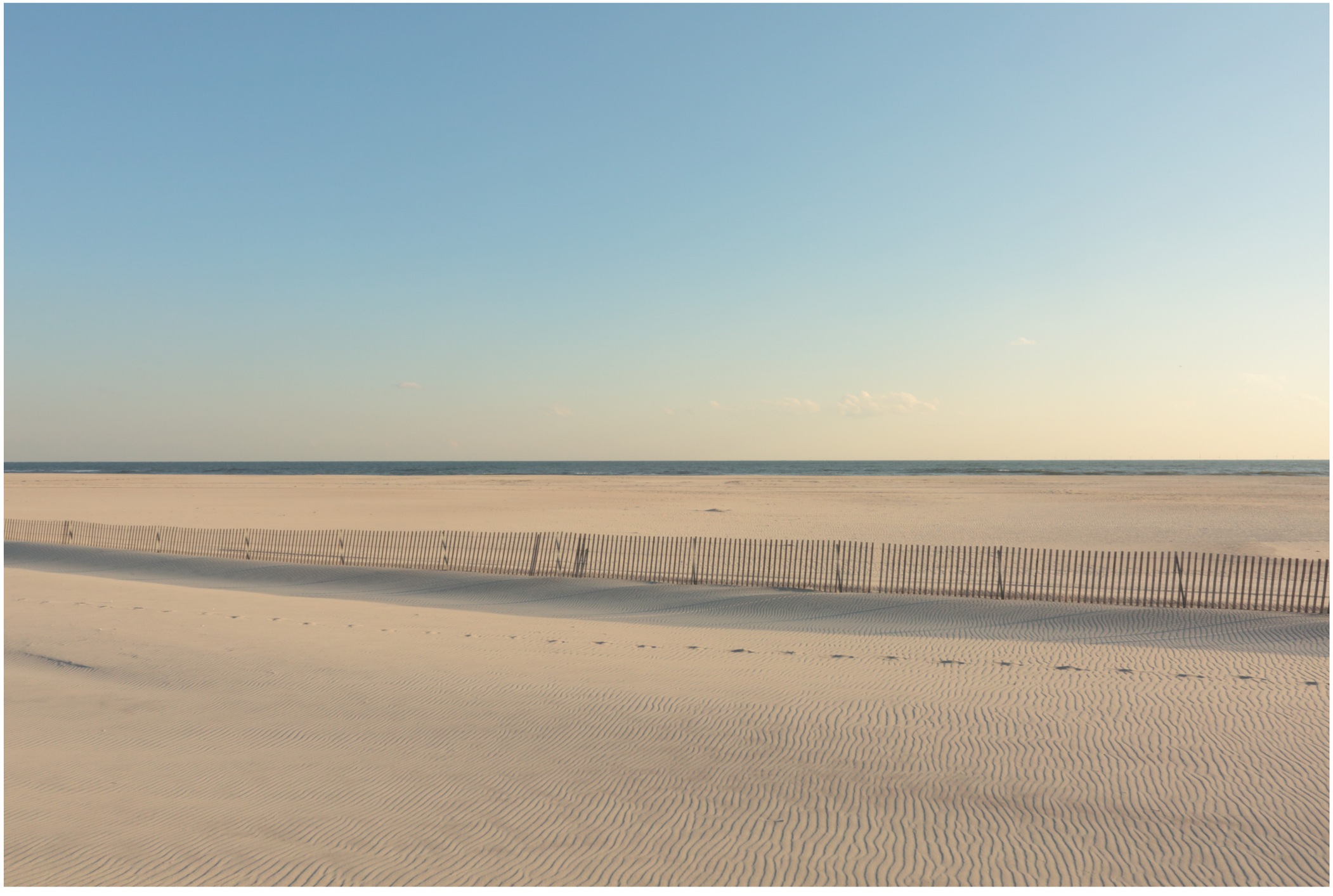
For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

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

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - JONES BEACH
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / AFTERNOON)

Truescape®



Scale bar to be 4 inches wide (102 mm)

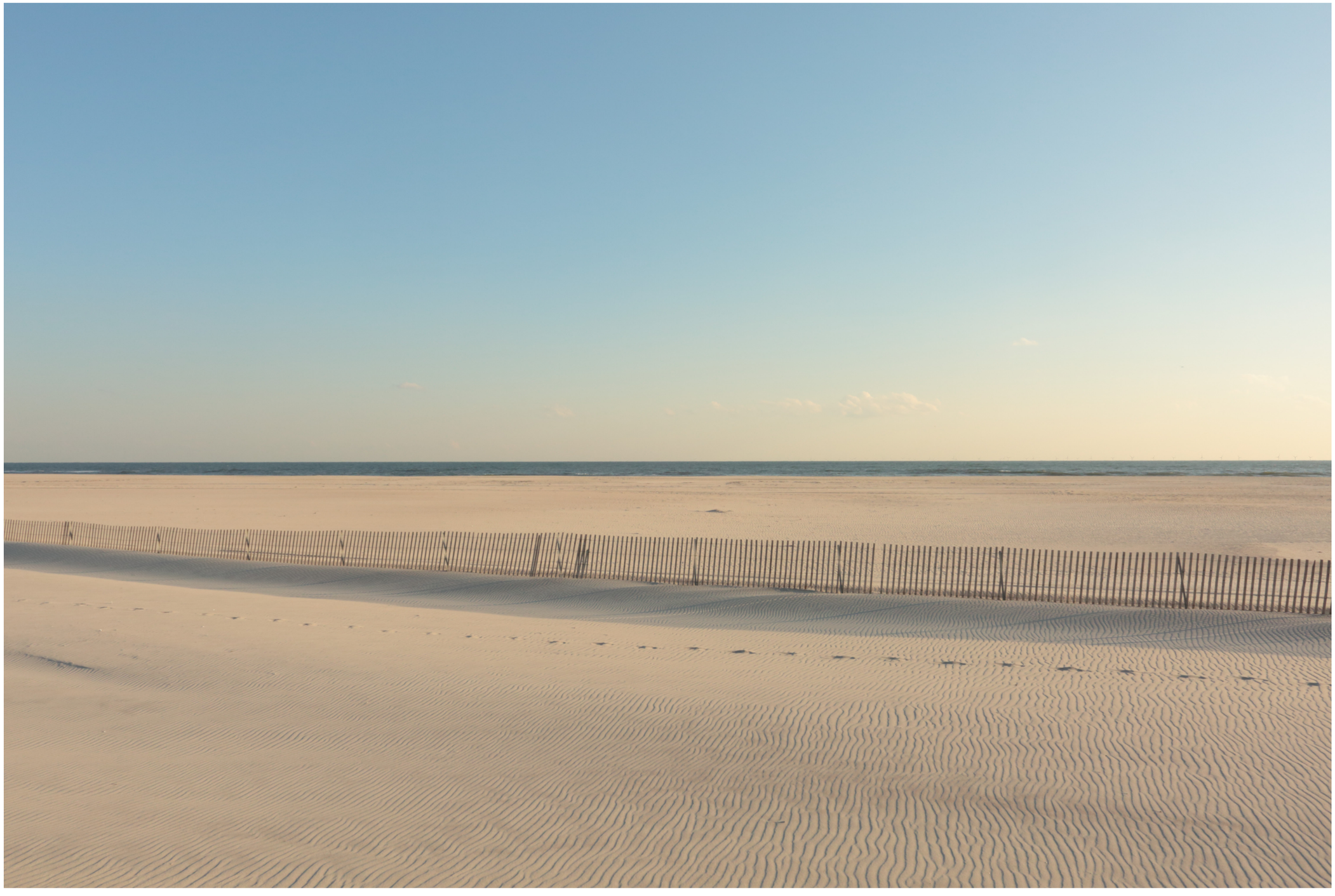
For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

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

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - JONES BEACH
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / AFTERNOON)

Truescape®



Scale bar to be 4 inches wide (102 mm)

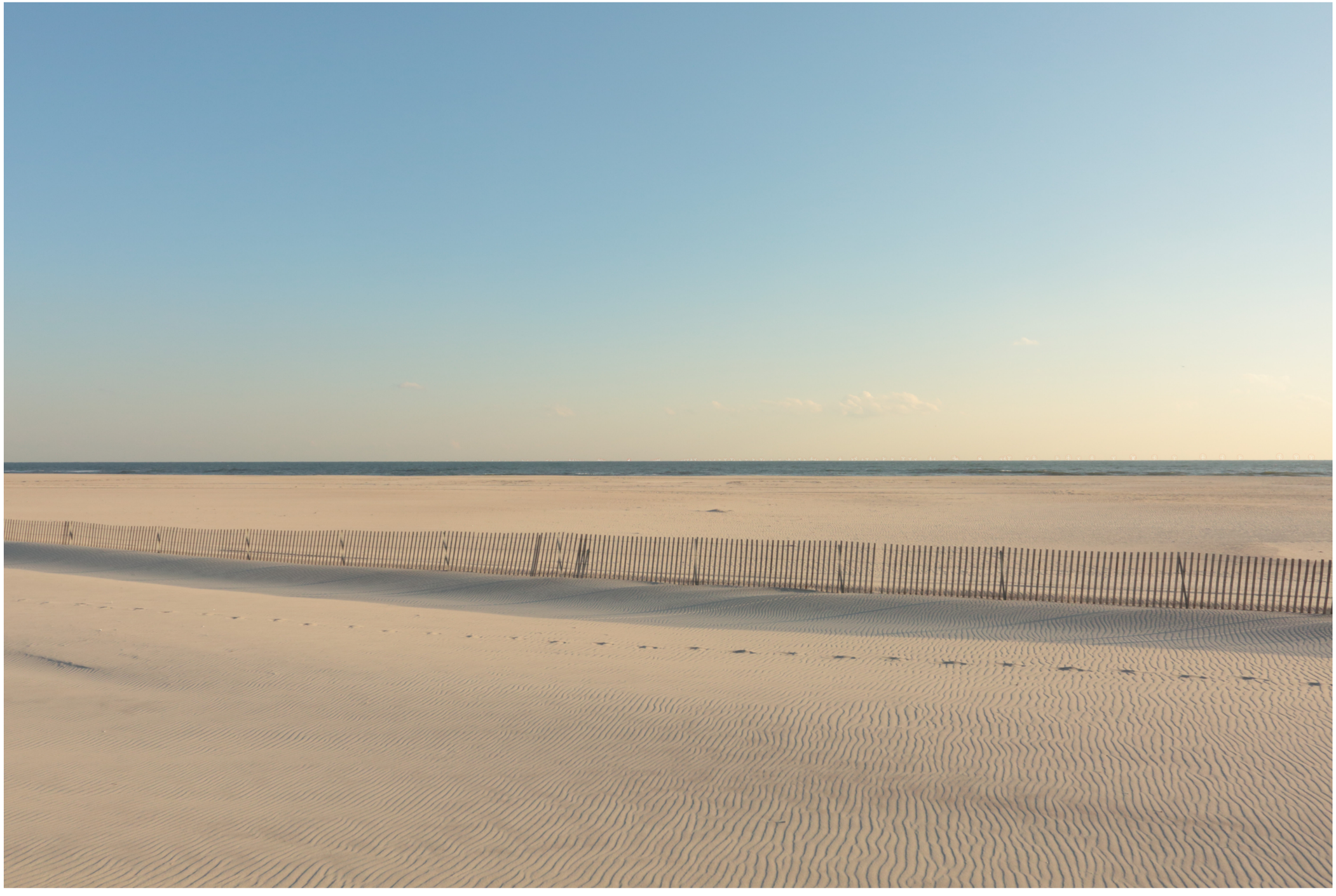
For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

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

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - JONES BEACH
SIMULATION OF PROJECT: WIREFRAME (FALL / AFTERNOON)

Truescape®



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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

URS BOEM Bureau of Ocean Energy Management Truescape®

KOP: **Jones Beach**
Season: Fall
Time of Day: Night

Base Photographic Documentation

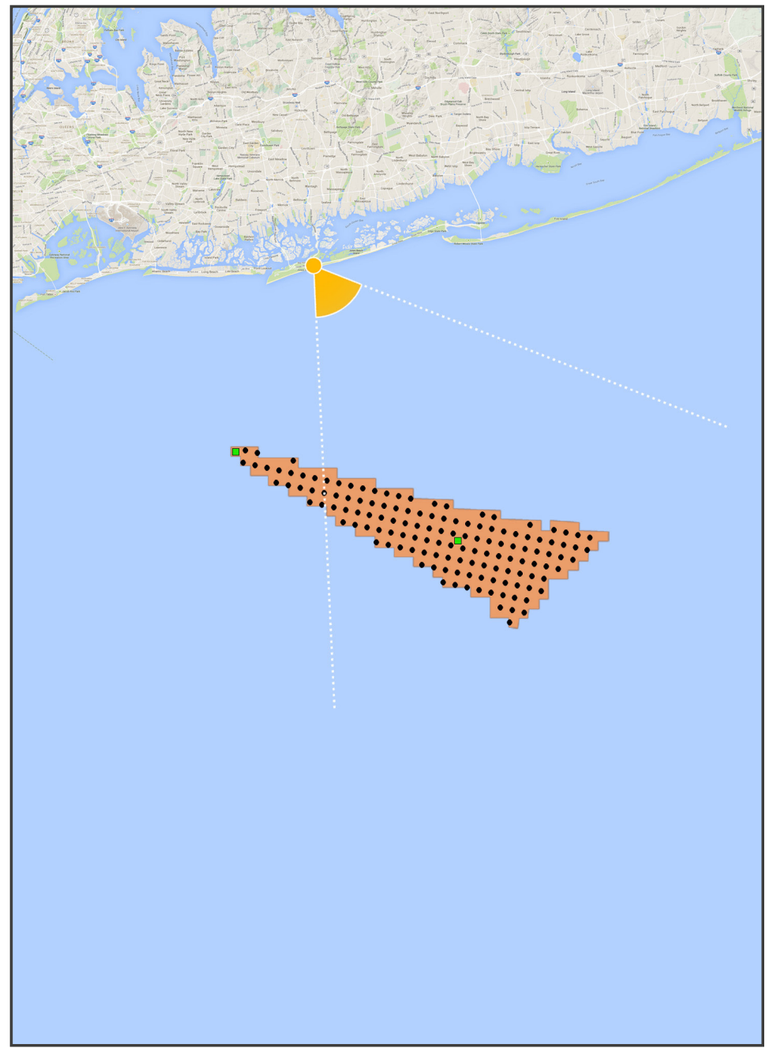
Date (MM/DD/YYYY):	10/20/2014
Time (24hr):	21:47
GPS Longitude:	-73.507291
GPS Latitude:	40.59421
Viewpoint Elevation (ft):	16.28
Camera Height (ft):	5.41
Camera Heading (°):	144

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)

Image Preview

Context Map



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

Sun And Weather Information

Sun Azimuth:	N/A
Sun Elevation:	N/A
Lighting Angle (On Turbines):	N/A
Weather Conditions:	Partly-Cloudy
Maximum Visibility (NM):	20.4
Average Predicted Visibility (NM):	18.6
Wave Height (ft):	1.6
Period (Seconds):	9
Temperature (°F):	63
Temperature (°C):	17
Humidity (%):	62

Turbine Information

Distance to Nearest Turbine (NM):	12.9
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

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)

Scale Bar

Scale bar to be 4 inches wide (102 mm)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - JONES BEACH
EXISTING CONDITIONS (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - JONES BEACH
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - JONES BEACH
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - JONES BEACH
SIMULATION OF PROJECT: WIREFRAME (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KOP: **Green-Wood Cemetery**
Season: Fall
Time of Day: Morning

Base Photographic Documentation

Date (MM/DD/YYYY):	11/11/2014
Time (24hr):	10:40
GPS Longitude:	-73.985403
GPS Latitude:	40.655679
Viewpoint Elevation (ft):	190.05
Camera Height (ft):	5.41
Camera Heading (°):	120

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:	163.418613
Sun Elevation:	30.18519776
Lighting Angle (On Turbines):	Right-Lit
Weather Conditions:	Cloud
Maximum Visibility (NM):	15.5
Average Predicted Visibility (NM):	19.7
Wave Height (ft):	N/A
Period (Seconds):	N/A
Temperature (°F):	61
Temperature (°C):	16
Humidity (%):	75

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

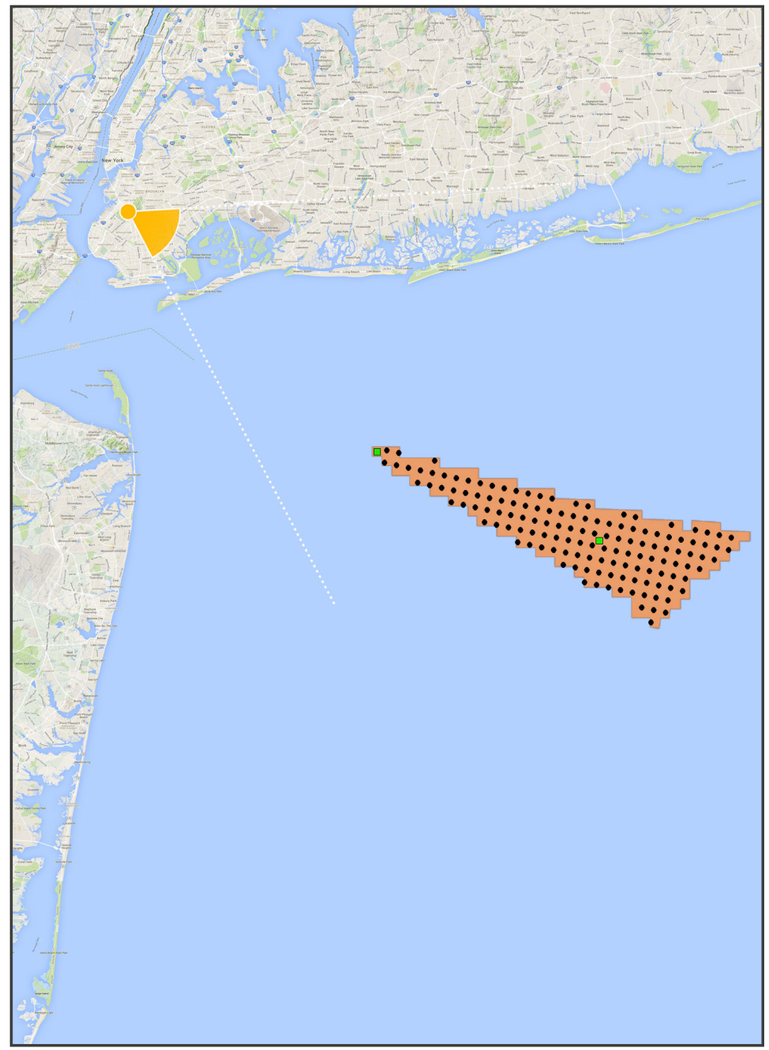
Turbine Information

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

Scale bar to be 4 inches wide (102 mm)

Context Map



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

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - GREEN-WOOD CEMETERY
EXISTING CONDITIONS (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - GREEN-WOOD CEMETERY
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - GREEN-WOOD CEMETERY
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - GREEN-WOOD CEMETERY
SIMULATION OF PROJECT: WIREFRAME (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

URS BOEM Bureau of Ocean Energy Management Truescape®

KOP: **Green-Wood Cemetery**
Season: Fall
Time of Day: Midday

Base Photographic Documentation

Date (MM/DD/YYYY):	11/11/2014
Time (24hr):	12:36
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:	195.514988
Sun Elevation:	30.37019975
Lighting Angle (On Turbines):	Right-Lit
Weather Conditions:	Cloud
Maximum Visibility (NM):	19.4
Average Predicted Visibility (NM):	19.7
Wave Height (ft):	N/A
Period (Seconds):	N/A
Temperature (°F):	64
Temperature (°C):	18
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

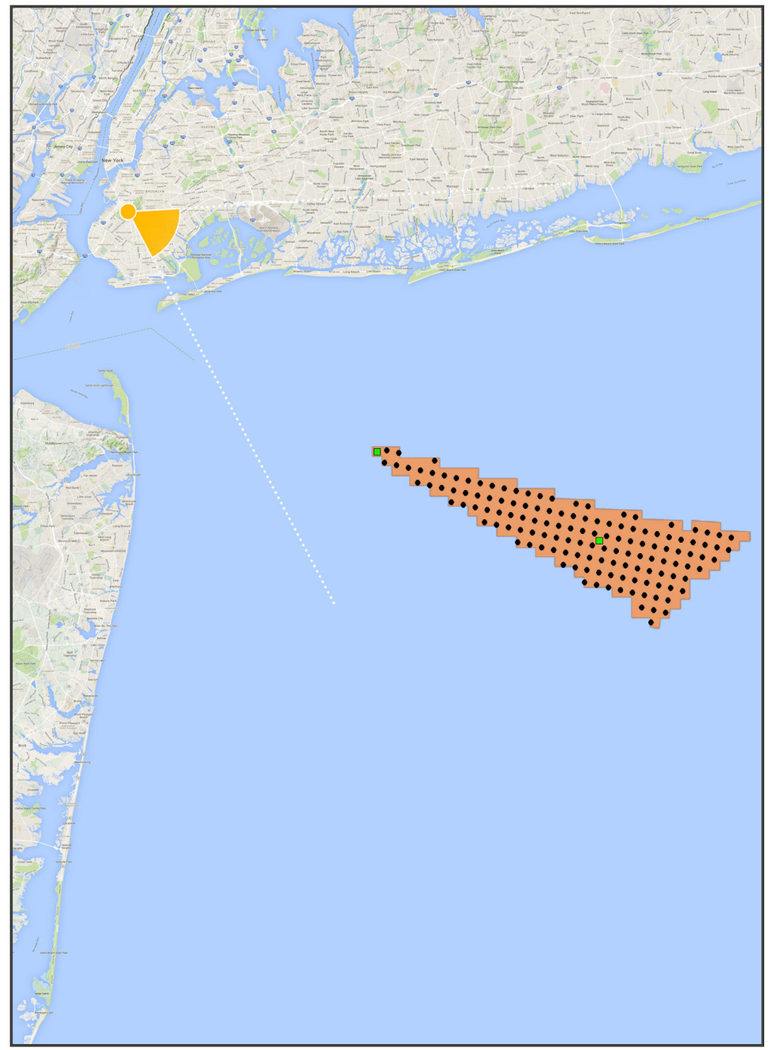
Turbine Information

Distance to Nearest Turbine (NM):	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

Scale bar to be 4 inches wide (102 mm)

Context Map



This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - GREEN-WOOD CEMETERY
EXISTING CONDITIONS (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - GREEN-WOOD CEMETERY
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - GREEN-WOOD CEMETERY
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - GREEN-WOOD CEMETERY
SIMULATION OF PROJECT: WIREFRAME (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KOP: **Green-Wood Cemetery**
Season: Fall
Time of Day: Afternoon

Base Photographic Documentation

Date (MM/DD/YYYY):	11/11/2014
Time (24hr):	14:45
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:	226.2911679
Sun Elevation:	17.67208653
Lighting Angle (On Turbines):	Right-Lit
Weather Conditions:	Partly-Cloudy
Maximum Visibility (NM):	20.1
Average Predicted Visibility (NM):	19.7
Wave Height (ft):	N/A
Period (Seconds):	N/A
Temperature (°F):	63
Temperature (°C):	17
Humidity (%):	63

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

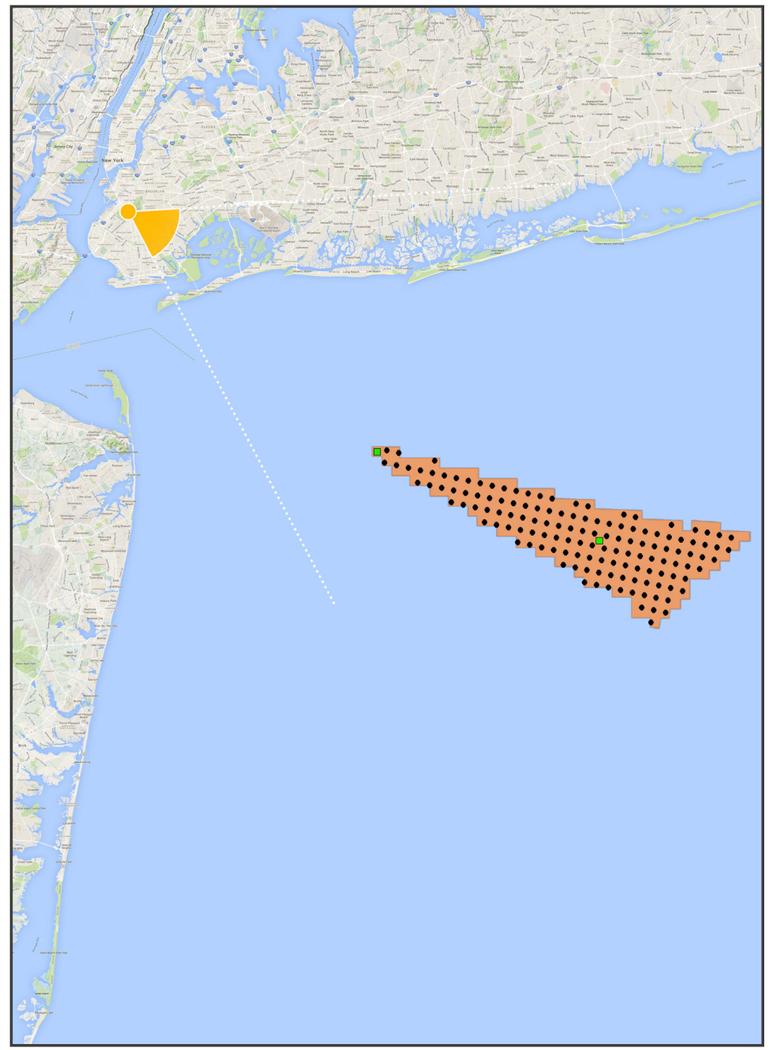
Turbine Information

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

Scale bar to be 4 inches wide (102 mm)

Context Map



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

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - GREEN-WOOD CEMETERY
EXISTING CONDITIONS (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - GREEN-WOOD CEMETERY
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - GREEN-WOOD CEMETERY
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - GREEN-WOOD CEMETERY
SIMULATION OF PROJECT: WIREFRAME (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

URS BOEM Bureau of Ocean Energy Management Truescape®

KOP: **Green-Wood Cemetery**
Season: Fall
Time of Day: Night

Base Photographic Documentation

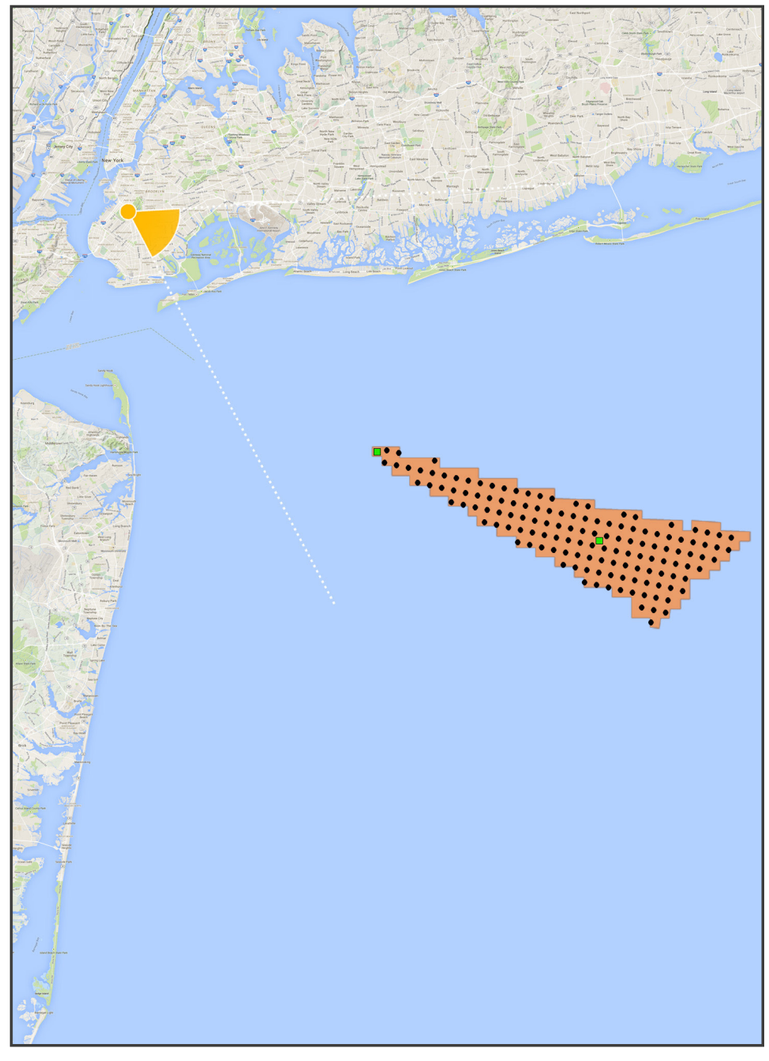
Date (MM/DD/YYYY):	10/23/2014
Time (24hr):	20:42
GPS Longitude:	-73.985403
GPS Latitude:	40.655679
Viewpoint Elevation (ft):	190.05
Camera Height (ft):	5.41
Camera Heading (°):	120

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)

Image Preview

Context Map



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

Sun And Weather Information

Sun Azimuth:	N/A
Sun Elevation:	N/A
Lighting Angle (On Turbines):	N/A
Weather Conditions:	Overcast
Maximum Visibility (NM):	14.6
Average Predicted Visibility (NM):	19.7
Wave Height (ft):	N/A
Period (Seconds):	N/A
Temperature (°F):	54
Temperature (°C):	12
Humidity (%):	77

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

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)

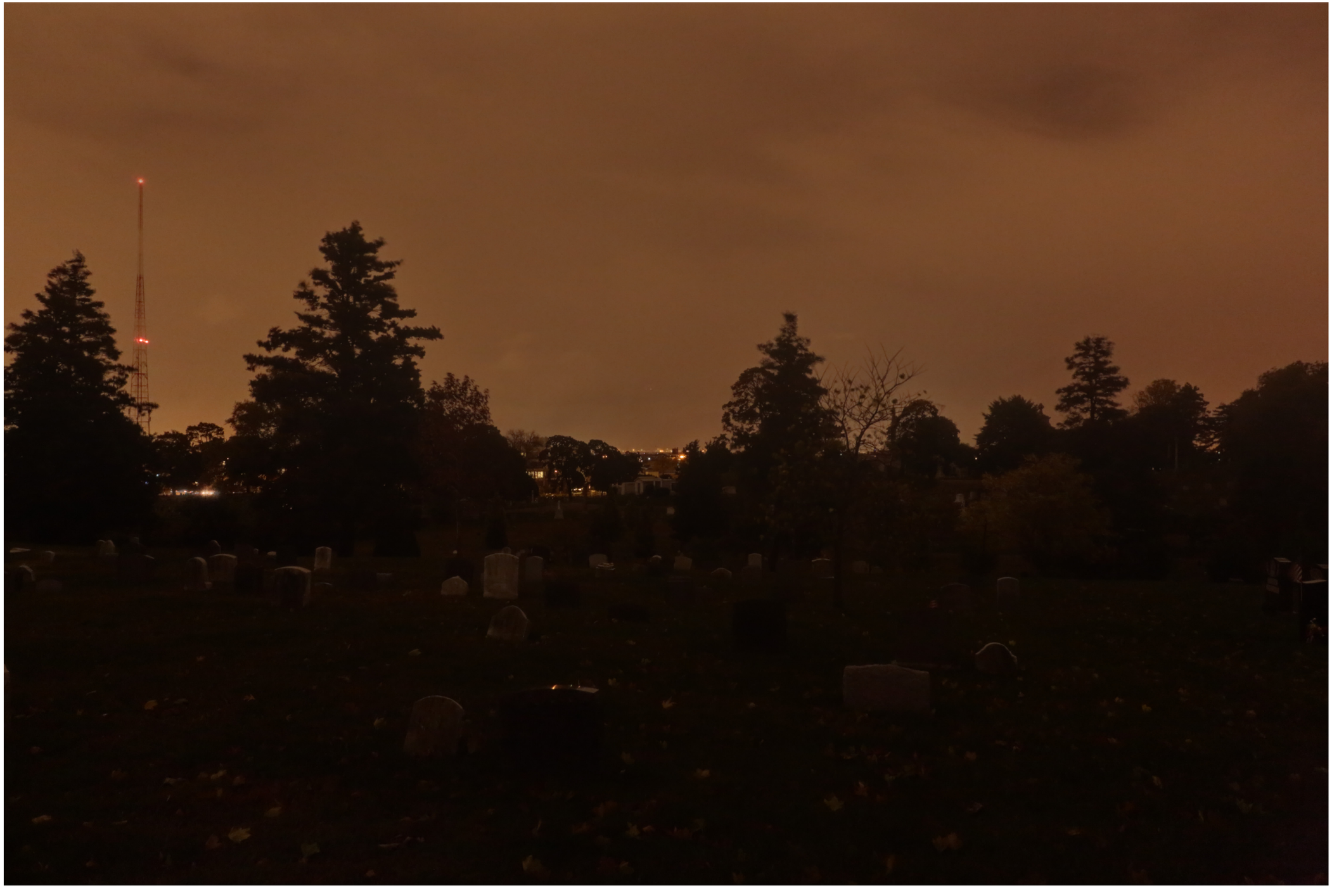
Scale Bar

Scale bar to be 4 inches wide (102 mm)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - GREEN-WOOD CEMETERY
EXISTING CONDITIONS (FALL / NIGHT)

Truescape®



Scale bar to be 4 inches wide (102 mm)

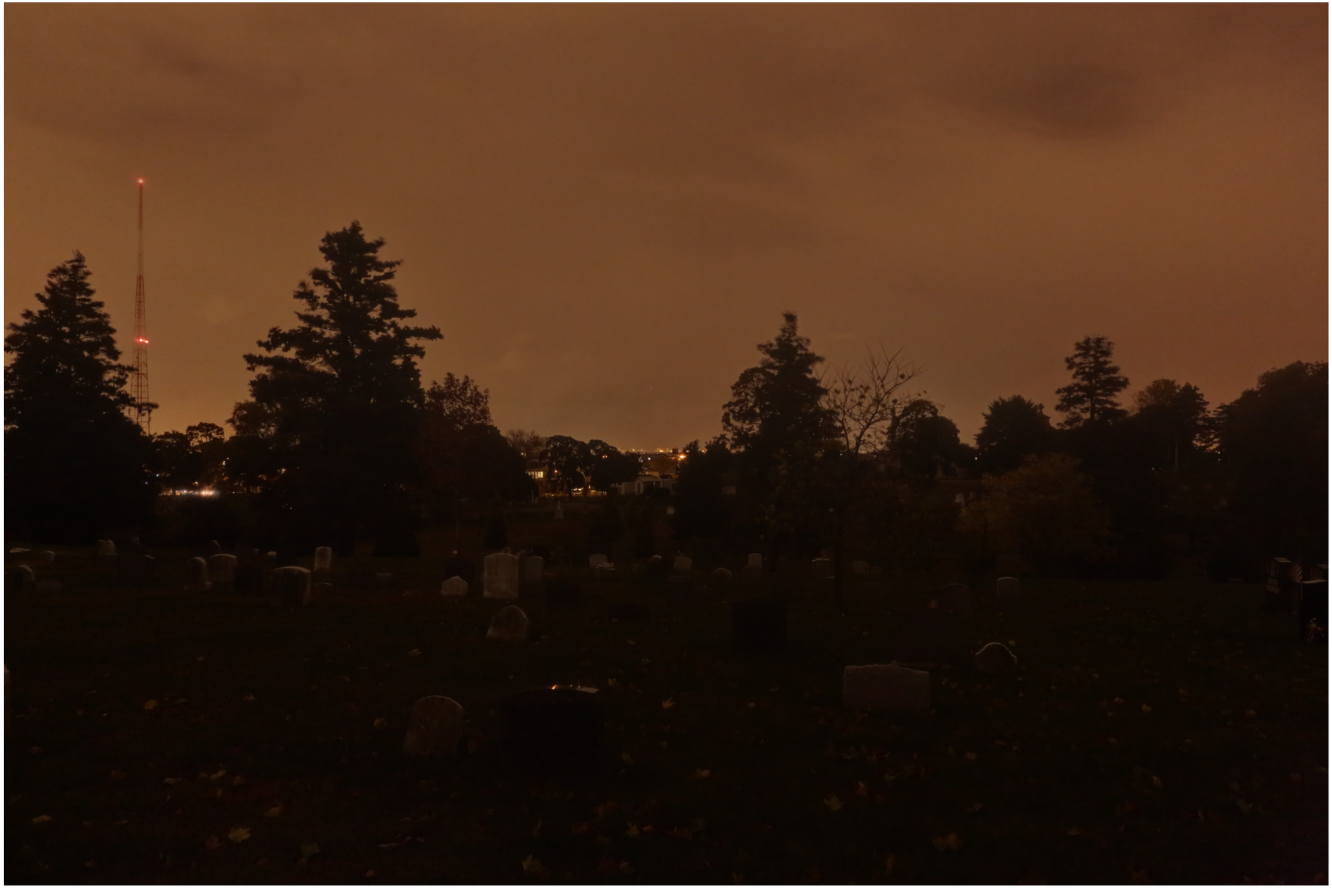
For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

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

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - GREEN-WOOD CEMETERY
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / NIGHT)

Truescape®



Scale bar to be 4 inches wide (102 mm)

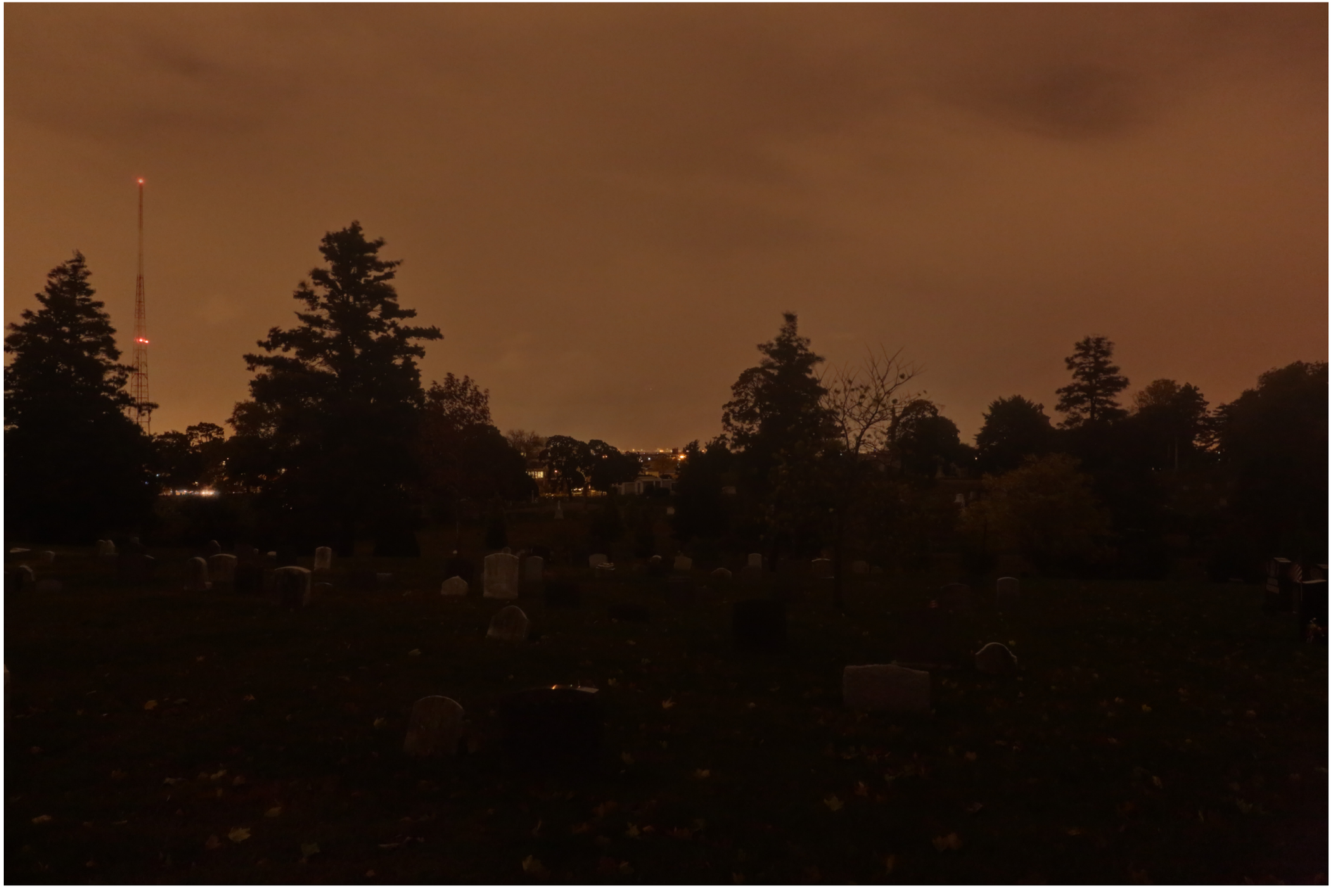
For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

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

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - GREEN-WOOD CEMETERY
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / NIGHT)

Truescape®



Scale bar to be 4 inches wide (102 mm)

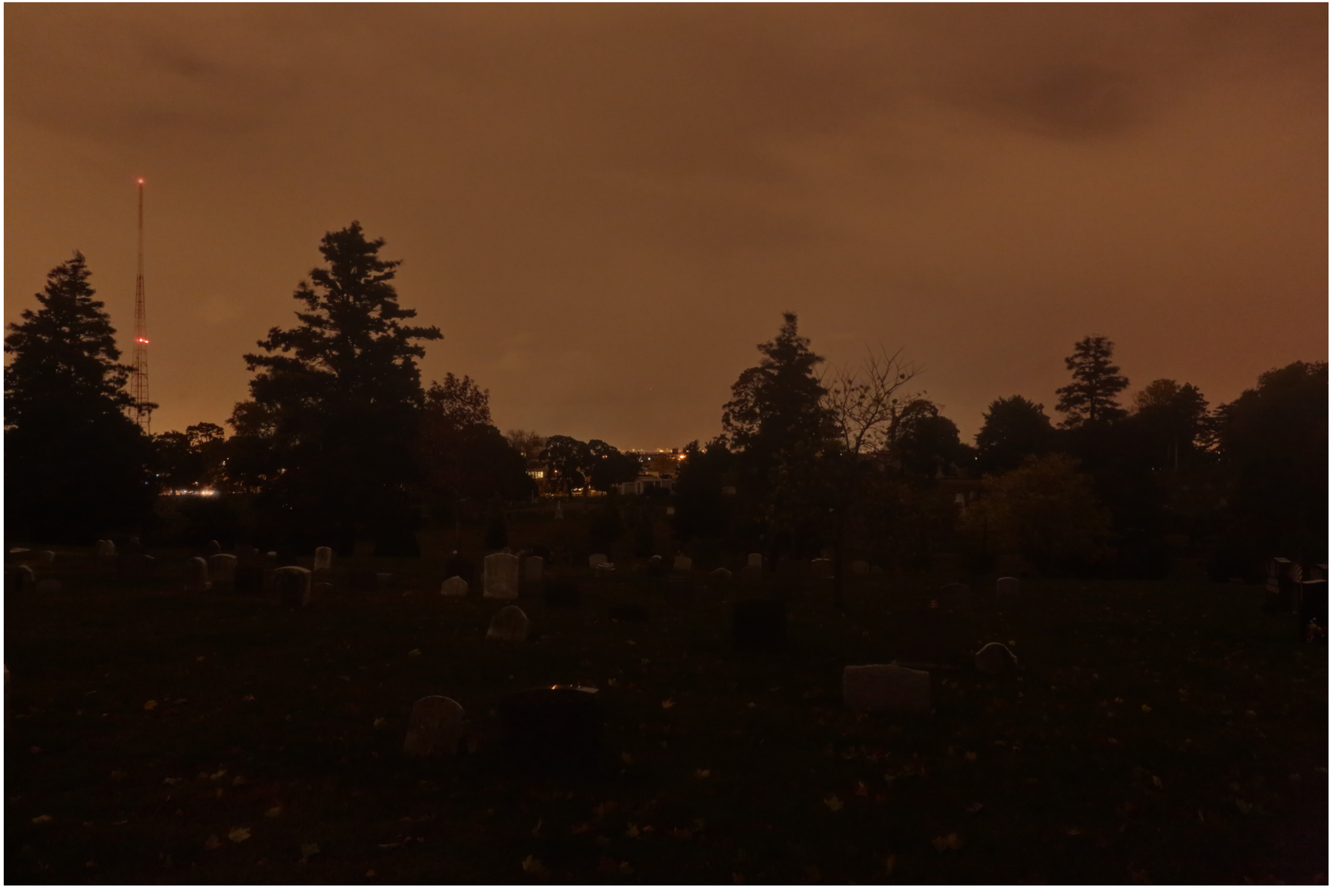
For 11 x 17 inch Printed Display:
Viewing distance is 11.2 inches (285 mm)

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

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - GREEN-WOOD CEMETERY
SIMULATION OF PROJECT: WIREFRAME (FALL / NIGHT)

Truescape®



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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

URS BOEM Bureau of Ocean Energy Management Truescape®

KOP: **Jacob Riis Park**
Season: Fall
Time of Day: Night

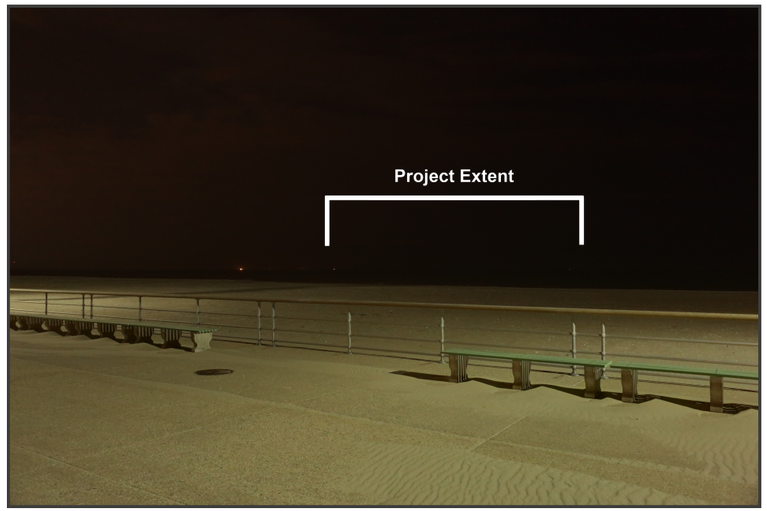
Base Photographic Documentation

Date (MM/DD/YYYY):	11/20/2014
Time (24hr):	18:37
GPS Longitude:	-73.869745
GPS Latitude:	40.565889
Viewpoint Elevation (ft):	15.57
Camera Height (ft):	5.41
Camera Heading (°):	120

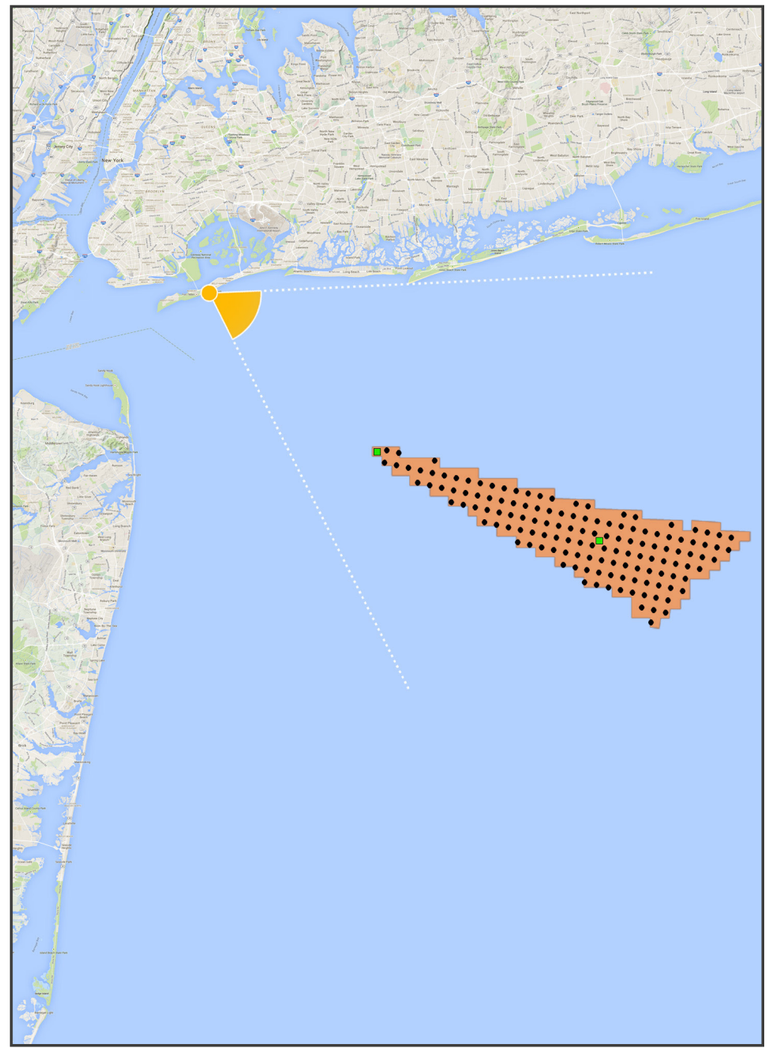
Camera Information

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)

Image Preview



Context Map



Sun And Weather Information

Sun Azimuth:	N/A
Sun Elevation:	N/A
Lighting Angle (On Turbines):	N/A
Weather Conditions:	Cloud
Maximum Visibility (NM):	27.7
Average Predicted Visibility (NM):	19.0
Wave Height (ft):	2.5
Period (Seconds):	7
Temperature (°F):	36
Temperature (°C):	2
Humidity (%):	31

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

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)

Scale Bar

Scale bar to be 4 inches wide (102 mm)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - JACOB RIIS PARK
EXISTING CONDITIONS (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - JACOB RIIS PARK
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - JACOB RIIS PARK
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - JACOB RIIS PARK
SIMULATION OF PROJECT: WIREFRAME (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KOP: **Breezy Point**
Season: Fall
Time of Day: Morning

Base Photographic Documentation

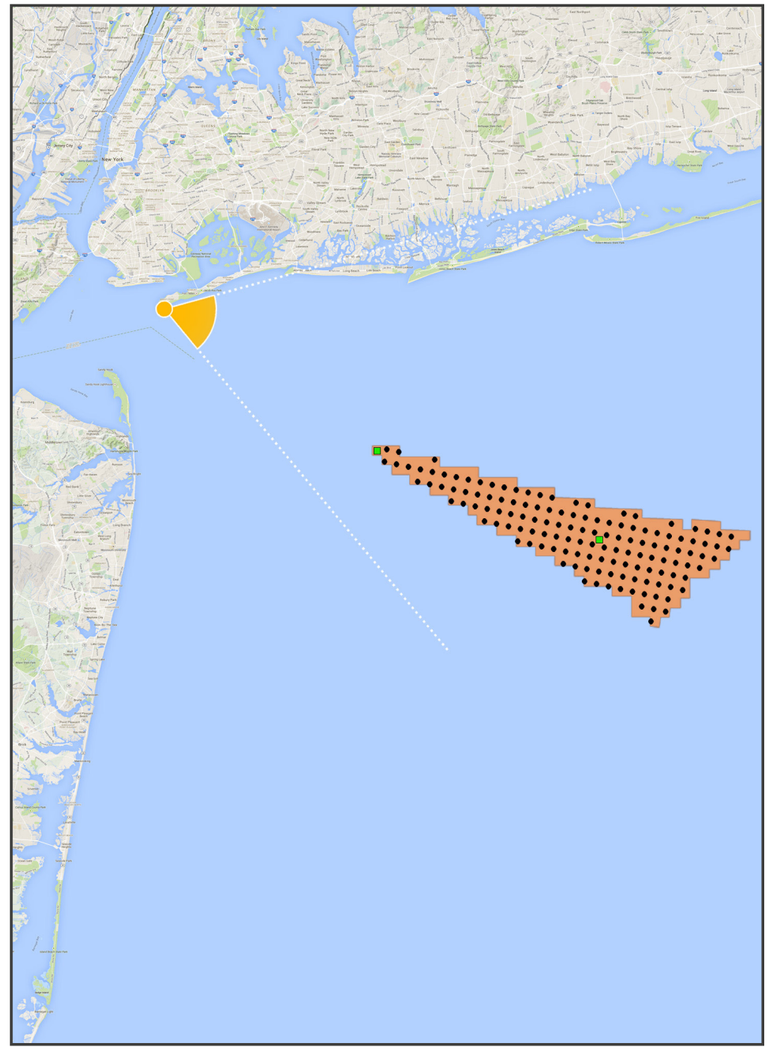
Date (MM/DD/YYYY):	11/11/2014
Time (24hr):	09:38
GPS Longitude:	-73.93107
GPS Latitude:	40.547231
Viewpoint Elevation (ft):	7.95
Camera Height (ft):	5.41
Camera Heading (°):	107

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)

Image Preview

Context Map



Sun And Weather Information

Sun Azimuth:	147.6606374
Sun Elevation:	25.425534
Lighting Angle (On Turbines):	Right-Lit
Weather Conditions:	Cloud
Maximum Visibility (NM):	12.8
Average Predicted Visibility (NM):	19.0
Wave Height (ft):	2
Period (Seconds):	9
Temperature (°F):	61
Temperature (°C):	16
Humidity (%):	81

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

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)

Scale Bar

Scale bar to be 4 inches wide (102 mm)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - BREEZY POINT
EXISTING CONDITIONS (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - BREEZY POINT
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - BREEZY POINT
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - BREEZY POINT
SIMULATION OF PROJECT: WIREFRAME (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

URS BOEM Bureau of Ocean Energy Management Truescape®

KOP: **Breezy Point**
Season: Fall
Time of Day: Midday

Base Photographic Documentation

Date (MM/DD/YYYY):	10/20/2014
Time (24hr):	11:02
GPS Longitude:	-73.93107
GPS Latitude:	40.547231
Viewpoint Elevation (ft):	7.95
Camera Height (ft):	5.41
Camera Heading (°):	114

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:	150.3233239
Sun Elevation:	34.14910287
Lighting Angle (On Turbines):	Right-Lit
Weather Conditions:	Cloud
Maximum Visibility (NM):	24.8
Average Predicted Visibility (NM):	19.0
Wave Height (ft):	1.7
Period (Seconds):	9
Temperature (°F):	55
Temperature (°C):	13
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

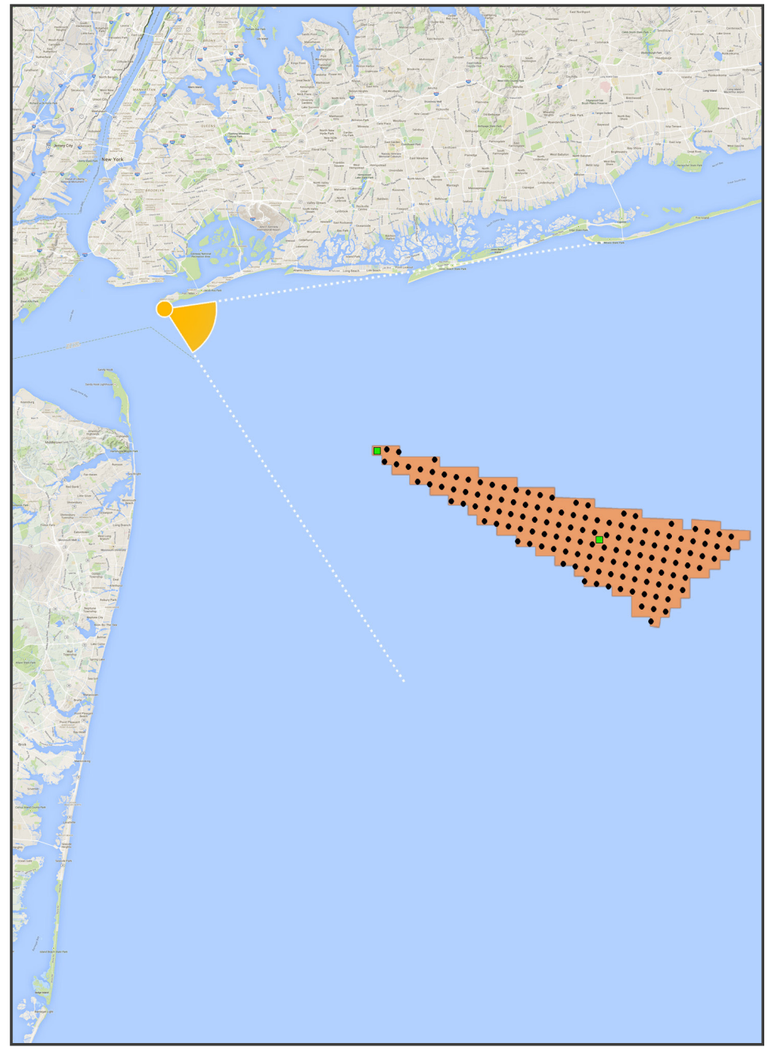
Turbine Information

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

Scale bar to be 4 inches wide (102 mm)

Context Map



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

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - BREEZY POINT
EXISTING CONDITIONS (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - BREEZY POINT
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - BREEZY POINT
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - BREEZY POINT
SIMULATION OF PROJECT: WIREFRAME (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KOP: **Breezy Point**
Season: Fall
Time of Day: Afternoon

Base Photographic Documentation

Date (MM/DD/YYYY):	11/11/2014
Time (24hr):	13:41
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:	212.197004
Sun Elevation:	25.43488654
Lighting Angle (On Turbines):	Right-Lit
Weather Conditions:	Partly-Cloudy
Maximum Visibility (NM):	16.3
Average Predicted Visibility (NM):	19.0
Wave Height (ft):	2.5
Period (Seconds):	9
Temperature (°F):	63
Temperature (°C):	17
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

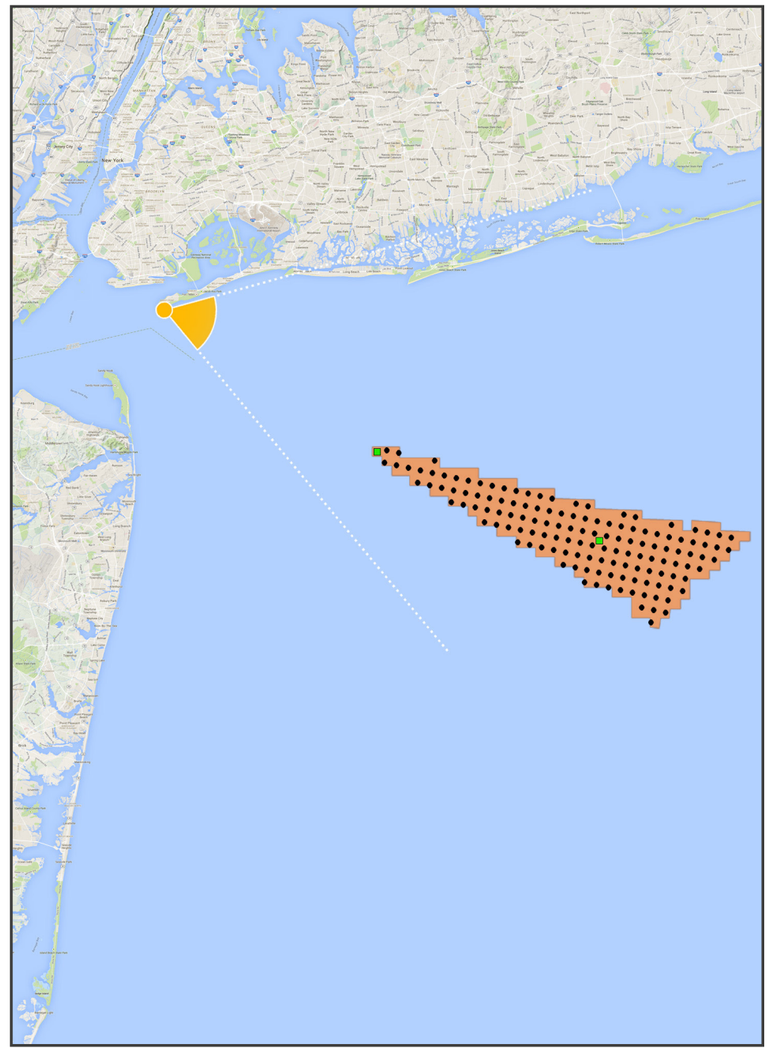
Turbine Information

Distance to Nearest Turbine (NM):	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

Scale bar to be 4 inches wide (102 mm)

Context Map



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

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - BREEZY POINT
EXISTING CONDITIONS (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - BREEZY POINT
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - BREEZY POINT
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - BREEZY POINT
SIMULATION OF PROJECT: WIREFRAME (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

URS BOEM Bureau of Ocean Energy Management Truescape®

KOP: **Breezy Point**
Season: Fall
Time of Day: Night

Base Photographic Documentation

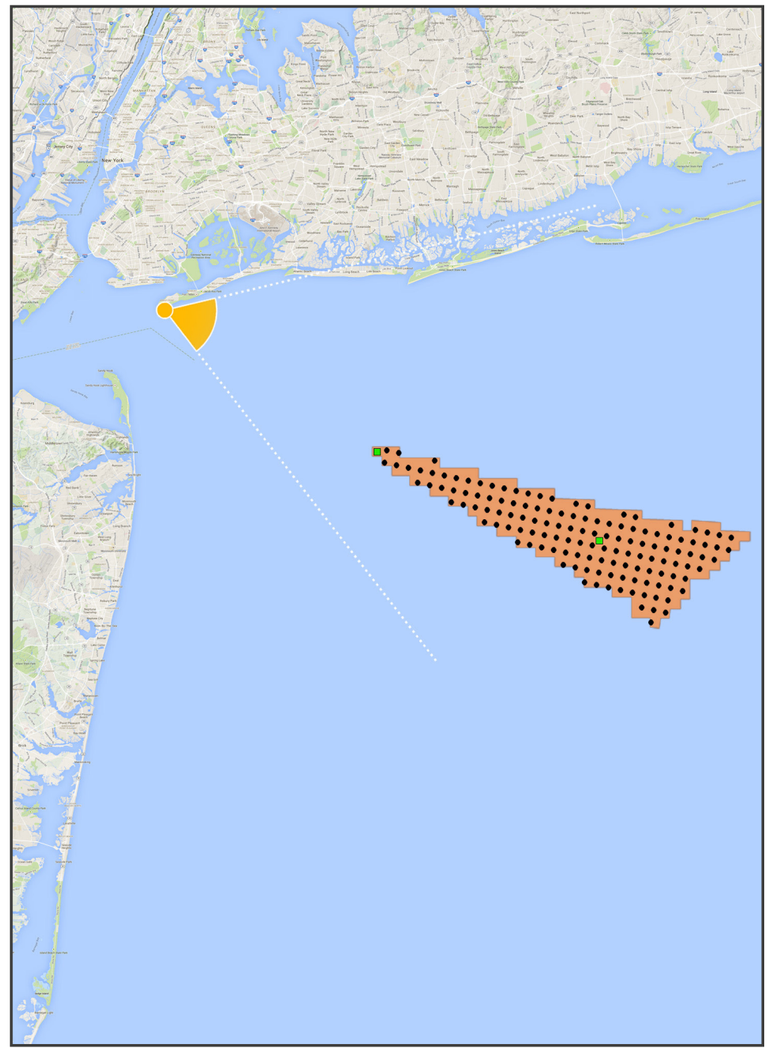
Date (MM/DD/YYYY):	10/21/2014
Time (24hr):	00:34
GPS Longitude:	-73.93107
GPS Latitude:	40.547231
Viewpoint Elevation (ft):	7.95
Camera Height (ft):	5.41
Camera Heading (°):	110

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)

Image Preview

Context Map



Sun And Weather Information

Sun Azimuth:	N/A
Sun Elevation:	N/A
Lighting Angle (On Turbines):	N/A
Weather Conditions:	Cloud
Maximum Visibility (NM):	19.8
Average Predicted Visibility (NM):	19.0
Wave Height (ft):	1.2
Period (Seconds):	9
Temperature (°F):	59
Temperature (°C):	15
Humidity (%):	64

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

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)

Scale Bar

Scale bar to be 4 inches wide (102 mm)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - BREEZY POINT
EXISTING CONDITIONS (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - BREEZY POINT
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - BREEZY POINT
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - BREEZY POINT
SIMULATION OF PROJECT: WIREFRAME (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KOP: **Fort Wadsworth**
Season: Fall
Time of Day: Morning

Base Photographic Documentation

Date (MM/DD/YYYY):	11/30/2014
Time (24hr):	07:39
GPS Longitude:	-74.05371
GPS Latitude:	40.599661
Viewpoint Elevation (ft):	8.21
Camera Height (ft):	5.41
Camera Heading (°):	114

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:	124.8918691
Sun Elevation:	5.552083604
Lighting Angle (On Turbines):	Back-Lit
Weather Conditions:	Partly-Cloudy
Maximum Visibility (NM):	20.8
Average Predicted Visibility (NM):	19.7
Wave Height (ft):	1.3
Period (Seconds):	12
Temperature (°F):	48
Temperature (°C):	9
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

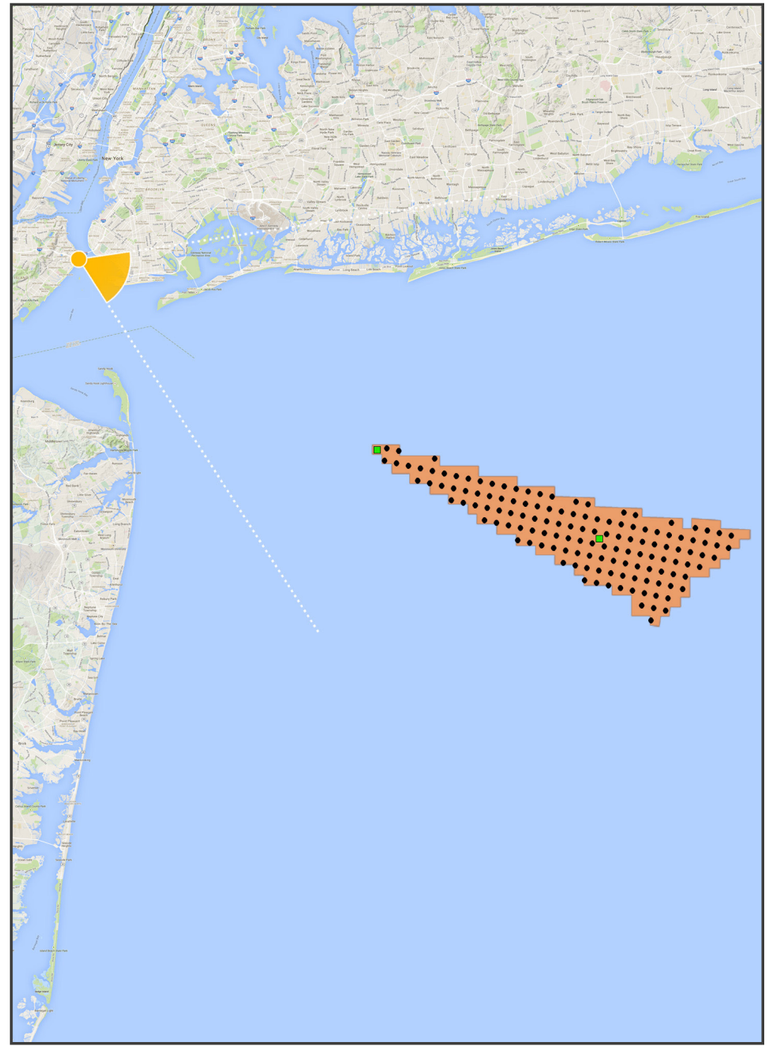
Turbine Information

Distance to Nearest Turbine (NM):	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

Scale bar to be 4 inches wide (102 mm)

Context Map



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

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - FORT WADSWORTH
EXISTING CONDITIONS (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - FORT WADSWORTH
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - FORT WADSWORTH
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - FORT WADSWORTH
SIMULATION OF PROJECT: WIREFRAME (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

URS BOEM Bureau of Ocean Energy Management Truescape®

KOP: **Fort Wadsworth**
Season: Fall
Time of Day: Midday

Base Photographic Documentation

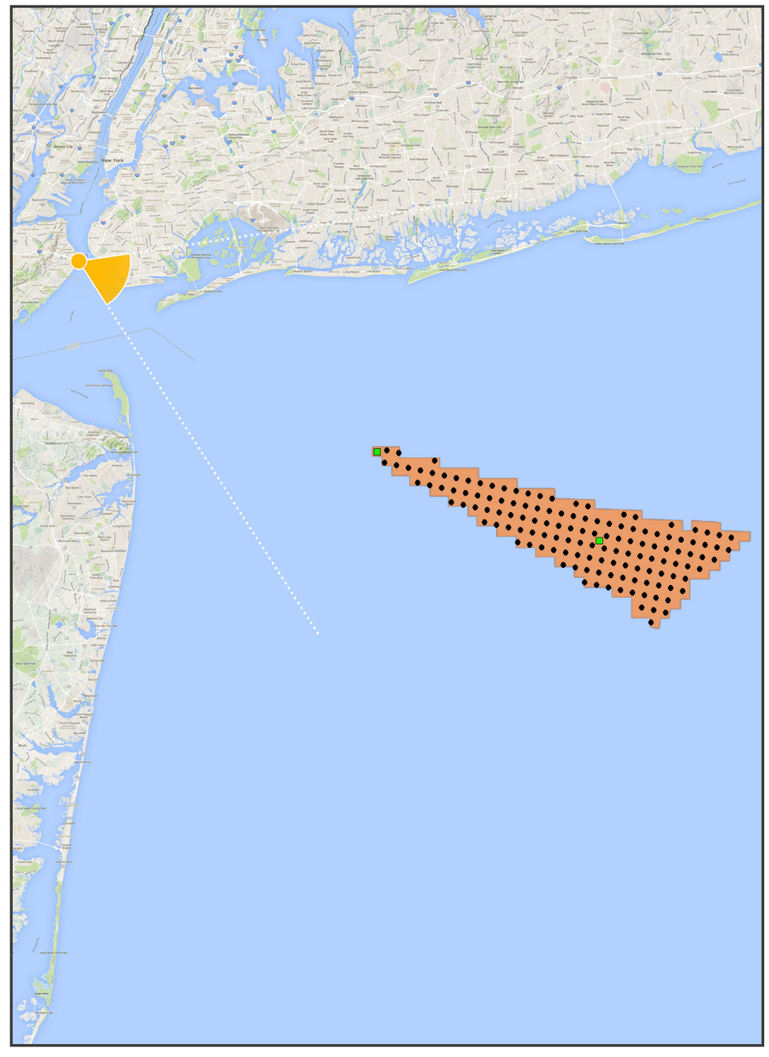
Date (MM/DD/YYYY):	10/31/2014
Time (24hr):	11:18
GPS Longitude:	-74.05371
GPS Latitude:	40.599661
Viewpoint Elevation (ft):	8.21
Camera Height (ft):	5.41
Camera Heading (°):	115

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)

Image Preview

Context Map



Sun And Weather Information

Sun Azimuth:	156.4563881
Sun Elevation:	31.99498209
Lighting Angle (On Turbines):	Right-Lit
Weather Conditions:	Overcast
Maximum Visibility (NM):	22.9
Average Predicted Visibility (NM):	19.7
Wave Height (ft):	0.7
Period (Seconds):	9
Temperature (°F):	52
Temperature (°C):	11
Humidity (%):	54

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

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)

Scale Bar

Scale bar to be 4 inches wide (102 mm)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - FORT WADSWORTH
EXISTING CONDITIONS (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - FORT WADSWORTH
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - FORT WADSWORTH
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - FORT WADSWORTH
SIMULATION OF PROJECT: WIREFRAME (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KOP: **Fort Wadsworth**
Season: Fall
Time of Day: Afternoon

Base Photographic Documentation

Date (MM/DD/YYYY):	12/13/2014
Time (24hr):	15:41
GPS Longitude:	-74.05371
GPS Latitude:	40.599661
Viewpoint Elevation (ft):	8.21
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:	231.4240373
Sun Elevation:	6.755944313
Lighting Angle (On Turbines):	Right-Lit
Weather Conditions:	Partly-Cloudy
Maximum Visibility (NM):	22.6
Average Predicted Visibility (NM):	19.7
Wave Height (ft):	0.9
Period (Seconds):	9
Temperature (°F):	41
Temperature (°C):	5
Humidity (%):	55

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

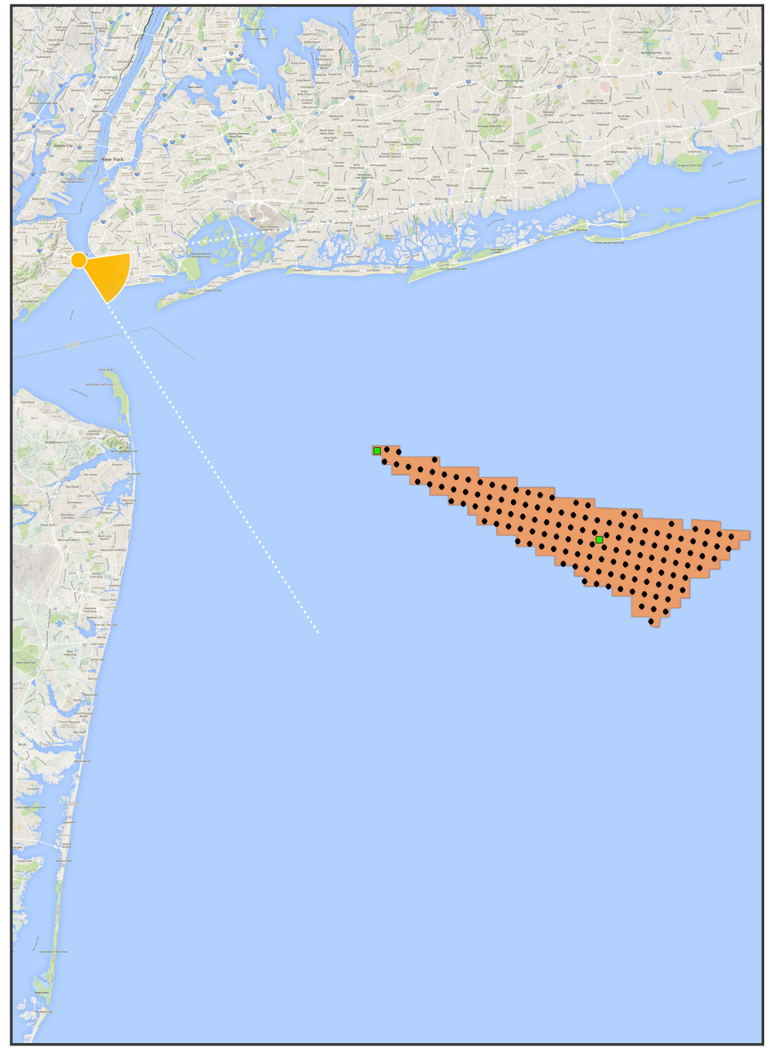
Turbine Information

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

Scale bar to be 4 inches wide (102 mm)

Context Map



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

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - FORT WADSWORTH
EXISTING CONDITIONS (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - FORT WADSWORTH
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - FORT WADSWORTH
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - FORT WADSWORTH
SIMULATION OF PROJECT: WIREFRAME (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KOP: **Fort Wadsworth**
Season: Fall
Time of Day: Night

Base Photographic Documentation

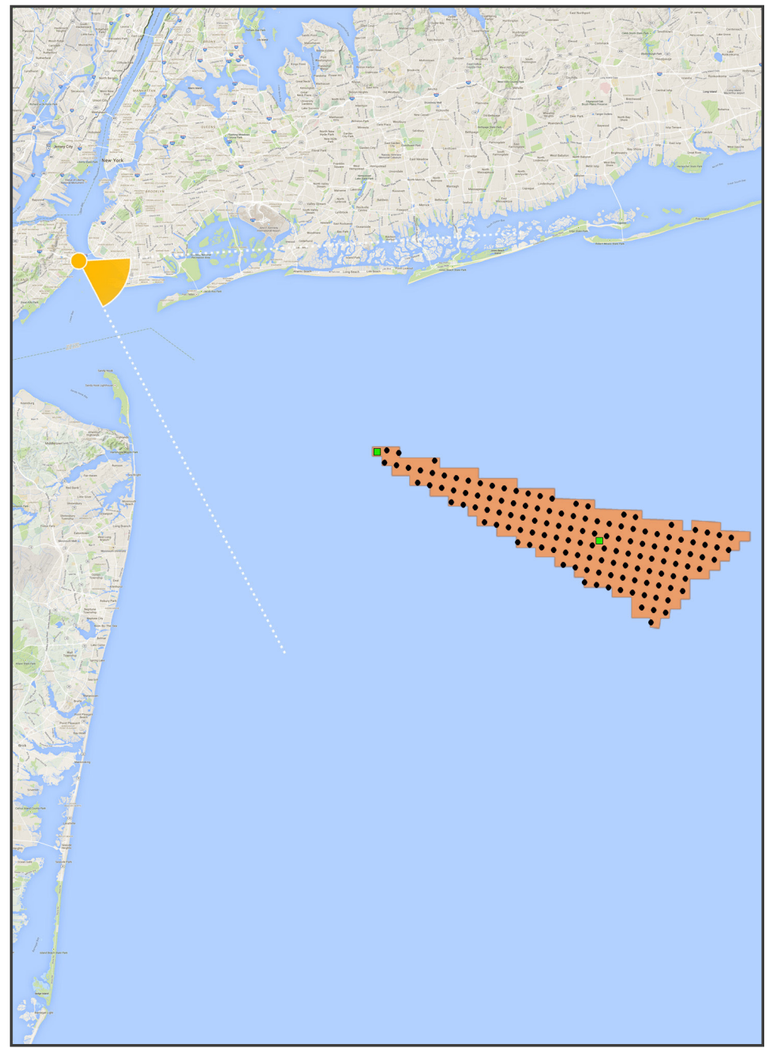
Date (MM/DD/YYYY):	10/23/2014
Time (24hr):	22:02
GPS Longitude:	-74.05371
GPS Latitude:	40.599661
Viewpoint Elevation (ft):	8.21
Camera Height (ft):	5.41
Camera Heading (°):	119

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)

Image Preview

Context Map



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

Sun And Weather Information

Sun Azimuth:	N/A
Sun Elevation:	N/A
Lighting Angle (On Turbines):	N/A
Weather Conditions:	Overcast
Maximum Visibility (NM):	11.8
Average Predicted Visibility (NM):	19.7
Wave Height (ft):	2
Period (Seconds):	8
Temperature (°F):	52
Temperature (°C):	11
Humidity (%):	83

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

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)

Scale Bar

Scale bar to be 4 inches wide (102 mm)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - FORT WADSWORTH
EXISTING CONDITIONS (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - FORT WADSWORTH
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - FORT WADSWORTH
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - FORT WADSWORTH
SIMULATION OF PROJECT: WIREFRAME (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

URS BOEM Bureau of Ocean Energy Management Truescape®

KOP: **Great Kills**
Season: Fall
Time of Day: Night

Base Photographic Documentation

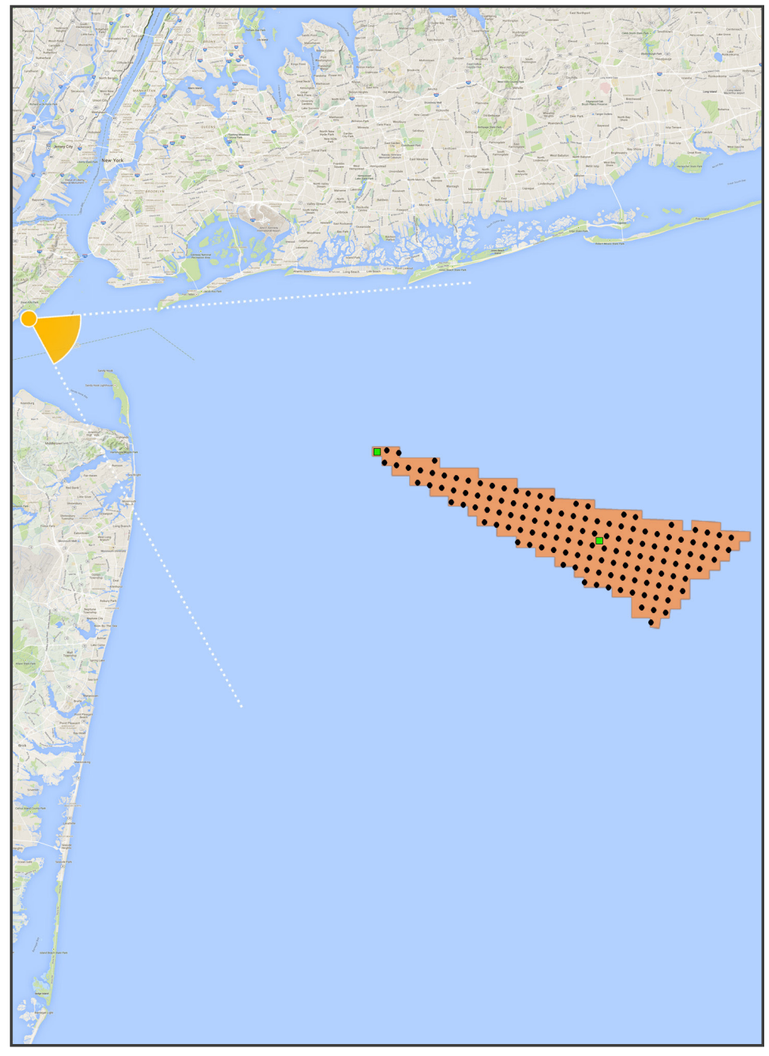
Date (MM/DD/YYYY):	10/23/2014
Time (24hr):	22:55
GPS Longitude:	-74.129602
GPS Latitude:	40.537553
Viewpoint Elevation (ft):	16.62
Camera Height (ft):	5.41
Camera Heading (°):	118

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)

Image Preview

Context Map



Sun And Weather Information

Sun Azimuth:	N/A
Sun Elevation:	N/A
Lighting Angle (On Turbines):	N/A
Weather Conditions:	Overcast
Maximum Visibility (NM):	13.3
Average Predicted Visibility (NM):	19.7
Wave Height (ft):	2
Period (Seconds):	8
Temperature (°F):	52
Temperature (°C):	11
Humidity (%):	80

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

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)

Scale Bar

Scale bar to be 4 inches wide (102 mm)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - GREAT KILLS
EXISTING CONDITIONS (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - GREAT KILLS
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - GREAT KILLS
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - GREAT KILLS
SIMULATION OF PROJECT: WIREFRAME (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KOP: **Sandy Hook Light House**
Season: Fall
Time of Day: Morning

Base Photographic Documentation

Date (MM/DD/YYYY):	11/29/2014
Time (24hr):	08:35
GPS Longitude:	-74.002015
GPS Latitude:	40.461707
Viewpoint Elevation (ft):	90.76
Camera Height (ft):	5.41
Camera Heading (°):	93

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:	135.1805082
Sun Elevation:	13.9921697
Lighting Angle (On Turbines):	Back-Lit
Weather Conditions:	Cloud
Maximum Visibility (NM):	19.8
Average Predicted Visibility (NM):	18.6
Wave Height (ft):	1
Period (Seconds):	10
Temperature (°F):	32
Temperature (°C):	0
Humidity (%):	64

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

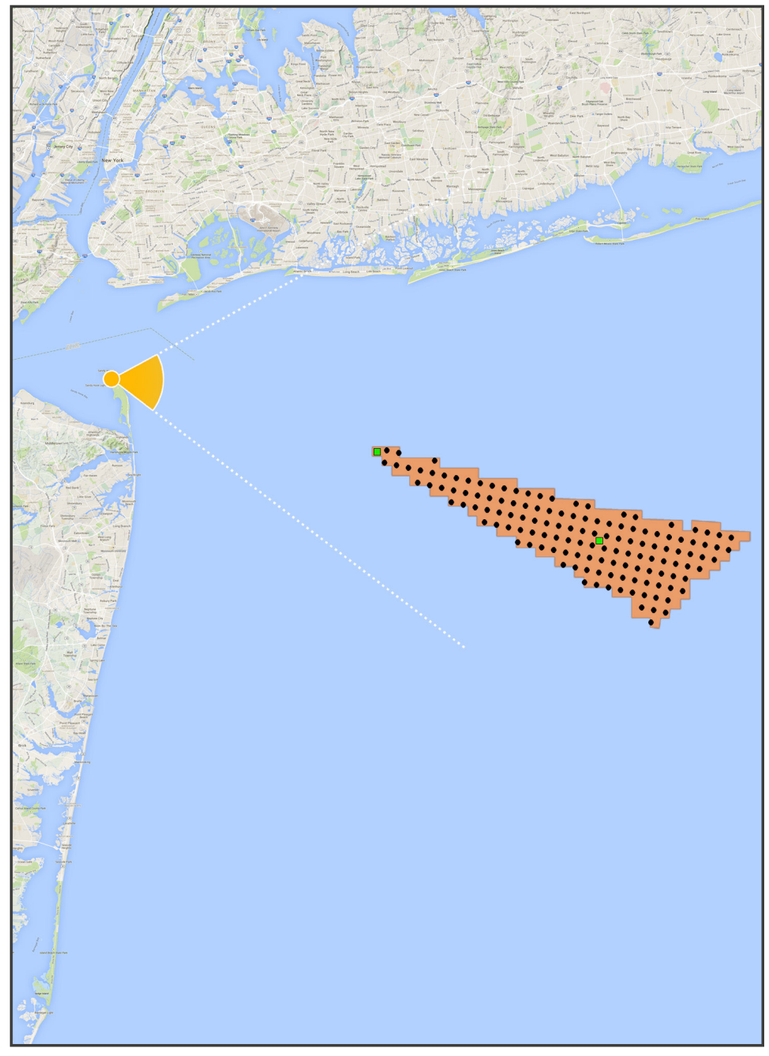
Turbine Information

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

Scale bar to be 4 inches wide (102 mm)

Context Map



This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SANDY HOOK LIGHT HOUSE
EXISTING CONDITIONS (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SANDY HOOK LIGHT HOUSE
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SANDY HOOK LIGHT HOUSE
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SANDY HOOK LIGHT HOUSE
SIMULATION OF PROJECT: WIREFRAME (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

URS BOEM Bureau of Ocean Energy Management Truescape®

KOP: **Sandy Hook Light House**
Season: Fall
Time of Day: Midday

Base Photographic Documentation

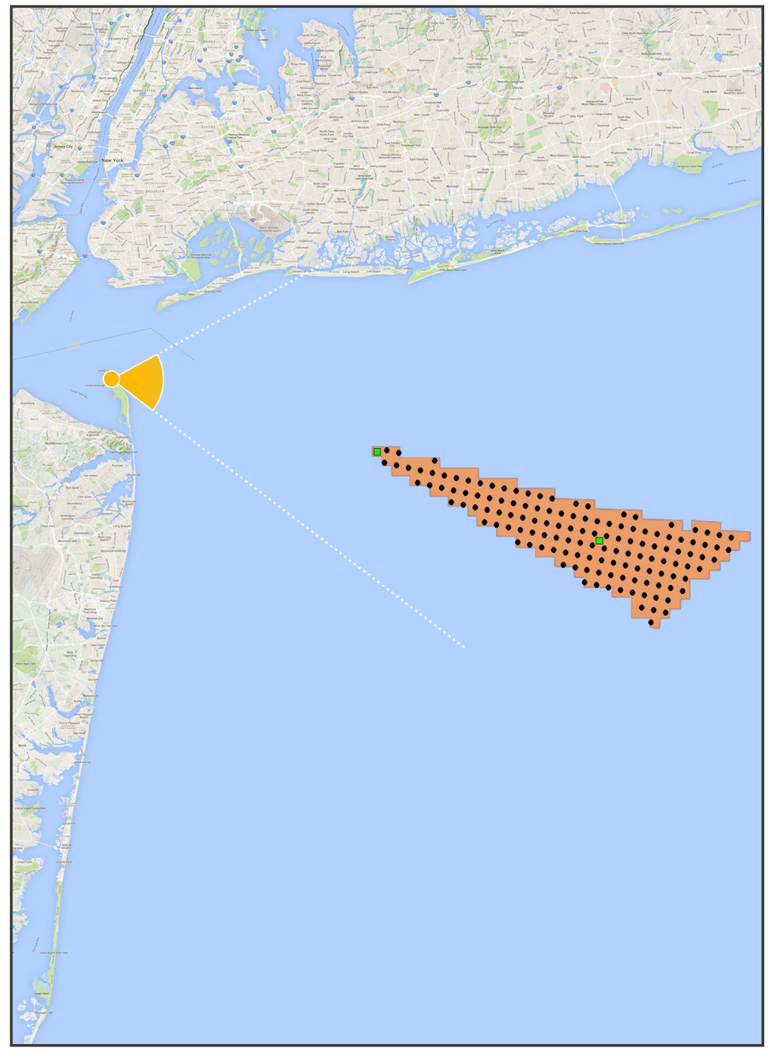
Date (MM/DD/YYYY):	11/29/2014
Time (24hr):	10:34
GPS Longitude:	-74.002015
GPS Latitude:	40.461707
Viewpoint Elevation (ft):	90.76
Camera Height (ft):	5.41
Camera Heading (°):	96

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)

Image Preview

Context Map



Sun And Weather Information

Sun Azimuth:	161.8017419
Sun Elevation:	25.88318641
Lighting Angle (On Turbines):	Right-Lit
Weather Conditions:	Overcast
Maximum Visibility (NM):	25.4
Average Predicted Visibility (NM):	18.6
Wave Height (ft):	1
Period (Seconds):	12
Temperature (°F):	34
Temperature (°C):	1
Humidity (%):	44

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

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)

Scale Bar

Scale bar to be 4 inches wide (102 mm)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SANDY HOOK LIGHT HOUSE
EXISTING CONDITIONS (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SANDY HOOK LIGHT HOUSE
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SANDY HOOK LIGHT HOUSE
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SANDY HOOK LIGHT HOUSE
SIMULATION OF PROJECT: WIREFRAME (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

URS BOEM Bureau of Ocean Energy Management Truescape®

KOP: **Sandy Hook Light House**
Season: Fall
Time of Day: Afternoon

Base Photographic Documentation

Date (MM/DD/YYYY):	11/29/2014
Time (24hr):	15:09
GPS Longitude:	-74.002015
GPS Latitude:	40.461707
Viewpoint Elevation (ft):	90.76
Camera Height (ft):	5.41
Camera Heading (°):	92

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:	227.7387276
Sun Elevation:	11.85021464
Lighting Angle (On Turbines):	Right-Lit
Weather Conditions:	Overcast
Maximum Visibility (NM):	25.4
Average Predicted Visibility (NM):	18.6
Wave Height (ft):	0.9
Period (Seconds):	12
Temperature (°F):	34
Temperature (°C):	1
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

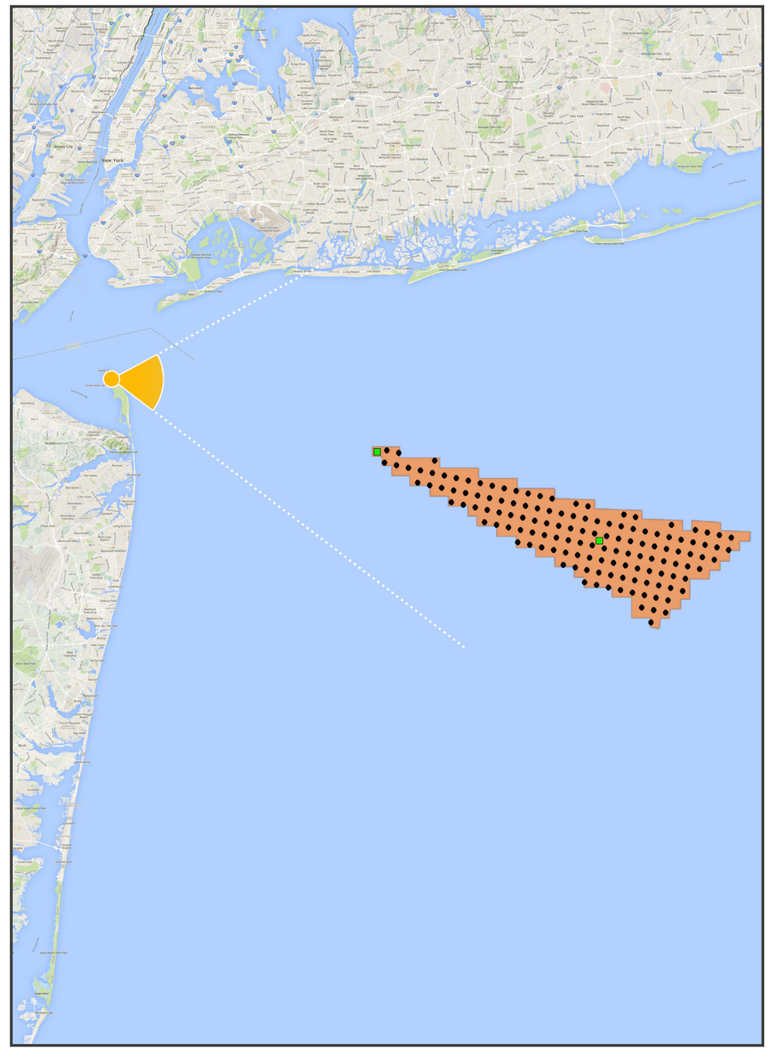
Turbine Information

Distance to Nearest Turbine (NM):	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

Scale bar to be 4 inches wide (102 mm)

Context Map



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

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SANDY HOOK LIGHT HOUSE
EXISTING CONDITIONS (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SANDY HOOK LIGHT HOUSE
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SANDY HOOK LIGHT HOUSE
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SANDY HOOK LIGHT HOUSE
SIMULATION OF PROJECT: WIREFRAME (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

URS BOEM Bureau of Ocean Energy Management Truescape®

KOP: **Sandy Hook North Beach**
Season: Fall
Time of Day: Night

Base Photographic Documentation

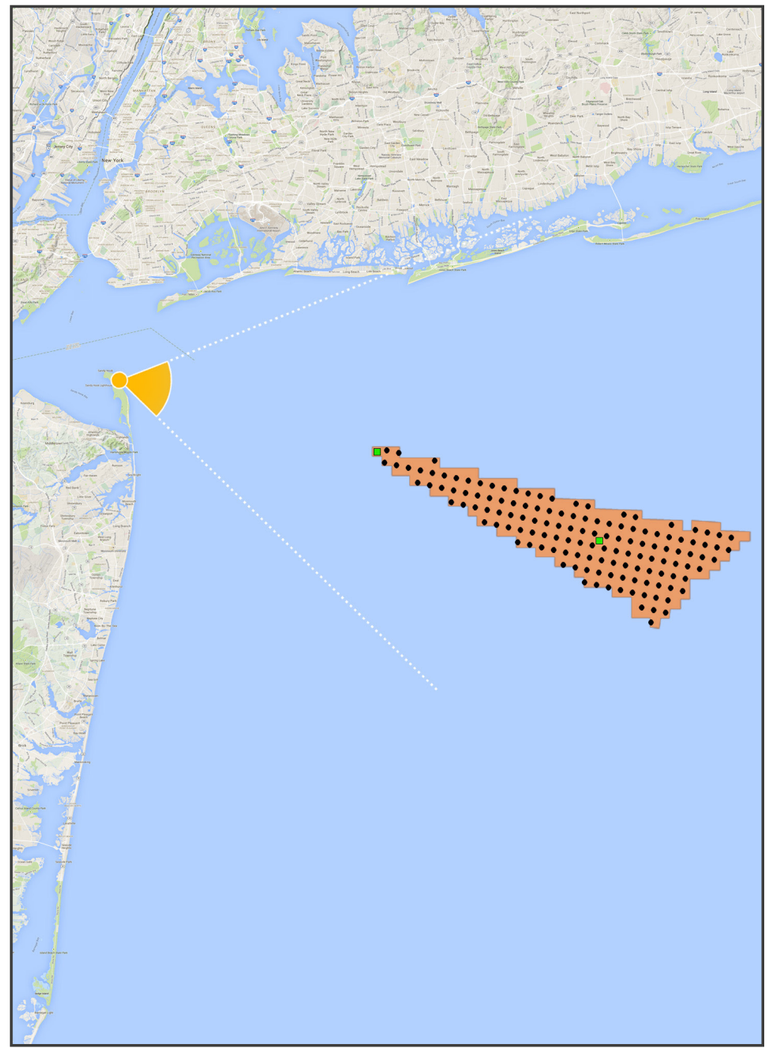
Date (MM/DD/YYYY):	10/20/2014
Time (24hr):	18:58
GPS Longitude:	-73.994414
GPS Latitude:	40.468987
Viewpoint Elevation (ft):	10.94
Camera Height (ft):	5.41
Camera Heading (°):	101

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)

Image Preview

Context Map



Sun And Weather Information

Sun Azimuth:	N/A
Sun Elevation:	N/A
Lighting Angle (On Turbines):	N/A
Weather Conditions:	Partly-Cloudy
Maximum Visibility (NM):	23.8
Average Predicted Visibility (NM):	18.6
Wave Height (ft):	1.4
Period (Seconds):	9
Temperature (°F):	59
Temperature (°C):	15
Humidity (%):	51

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

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)

Scale Bar

Scale bar to be 4 inches wide (102 mm)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SANDY HOOK NORTH BEACH
EXISTING CONDITIONS (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SANDY HOOK NORTH BEACH
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SANDY HOOK NORTH BEACH
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SANDY HOOK NORTH BEACH
SIMULATION OF PROJECT: WIREFRAME (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

URS BOEM Bureau of Ocean Energy Management Truescape®

KOP: **Sandy Hook Area D**
Season: Fall
Time of Day: Morning

Base Photographic Documentation

Date (MM/DD/YYYY):	10/20/2014
Time (24hr):	10:13
GPS Longitude:	-73.98319
GPS Latitude:	40.425513
Viewpoint Elevation (ft):	9.47
Camera Height (ft):	5.41
Camera Heading (°):	91

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:	137.6308531
Sun Elevation:	28.74662856
Lighting Angle (On Turbines):	Right-Lit
Weather Conditions:	Partly-Cloudy
Maximum Visibility (NM):	25.6
Average Predicted Visibility (NM):	18.6
Wave Height (ft):	1.9
Period (Seconds):	10
Temperature (°F):	50
Temperature (°C):	10
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

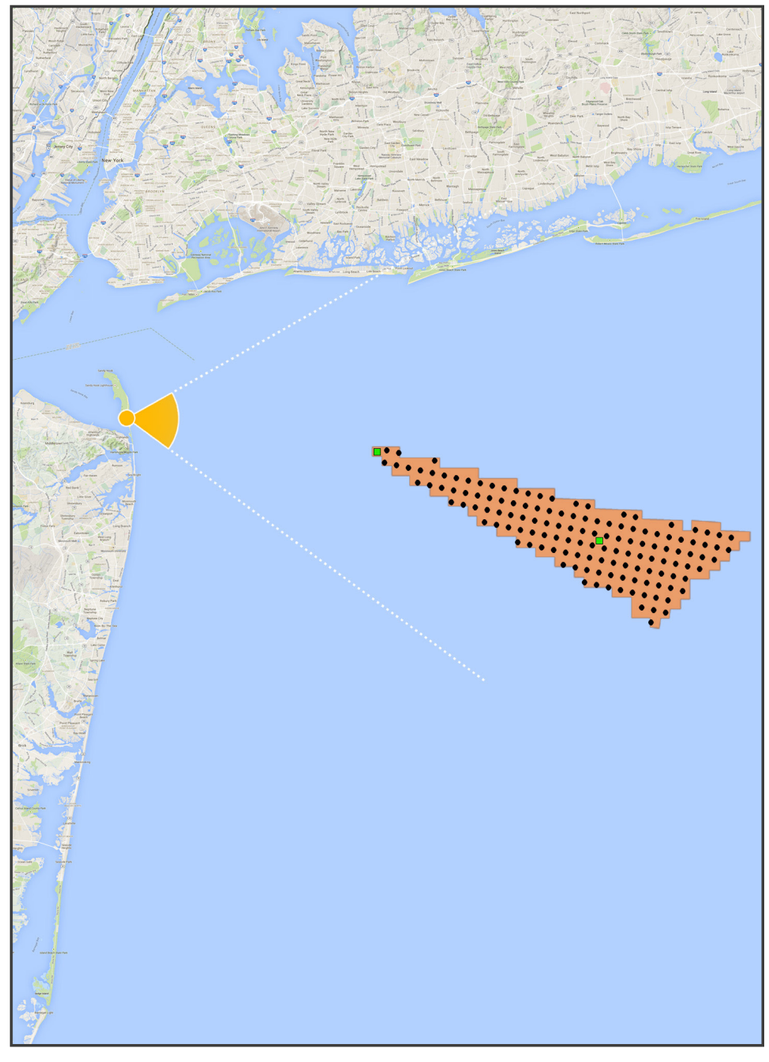
Turbine Information

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

Scale bar to be 4 inches wide (102 mm)

Context Map



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

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SANDY HOOK AREA D
EXISTING CONDITIONS (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SANDY HOOK AREA D
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SANDY HOOK AREA D
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SANDY HOOK AREA D
SIMULATION OF PROJECT: WIREFRAME (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KOP: **Sandy Hook Area D**
Season: Fall
Time of Day: Midday

Base Photographic Documentation

Date (MM/DD/YYYY):	10/20/2014
Time (24hr):	11:56
GPS Longitude:	-73.98319
GPS Latitude:	40.425513
Viewpoint Elevation (ft):	9.47
Camera Height (ft):	5.41
Camera Heading (°):	96

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:	165.9923188
Sun Elevation:	38.06663031
Lighting Angle (On Turbines):	Right-Lit
Weather Conditions:	Partly-Cloudy
Maximum Visibility (NM):	25.4
Average Predicted Visibility (NM):	18.6
Wave Height (ft):	1.7
Period (Seconds):	9
Temperature (°F):	55
Temperature (°C):	13
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

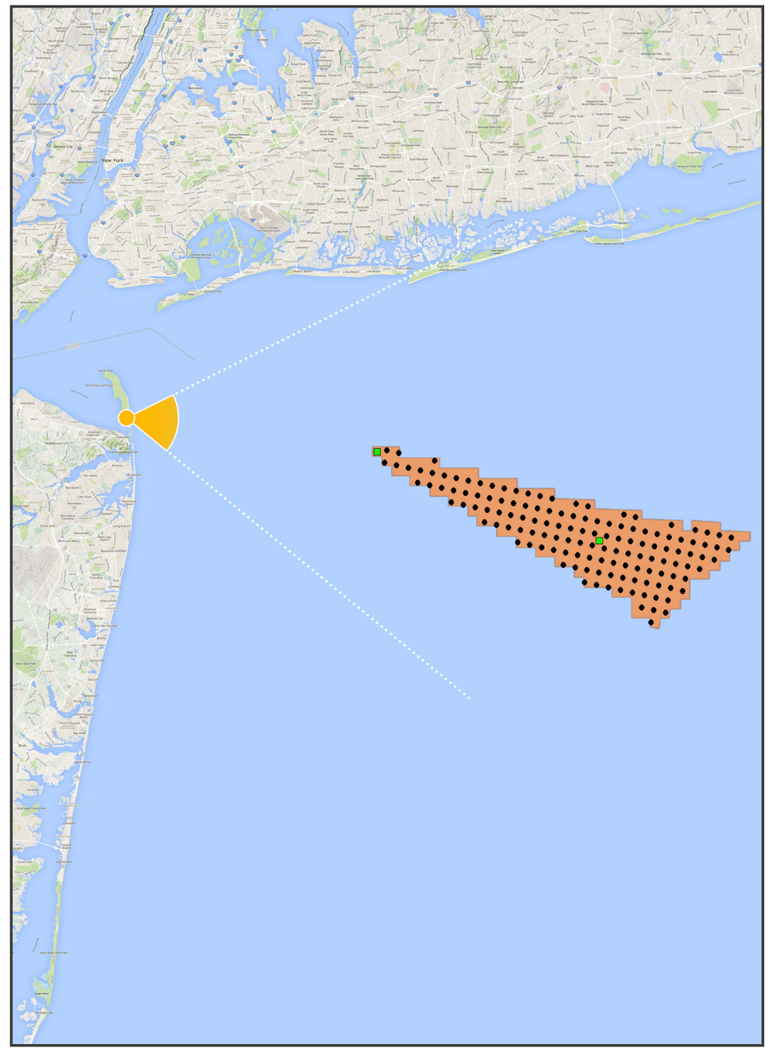
Turbine Information

Distance to Nearest Turbine (NM):	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

Scale bar to be 4 inches wide (102 mm)

Context Map



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

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SANDY HOOK AREA D
EXISTING CONDITIONS (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SANDY HOOK AREA D
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SANDY HOOK AREA D
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SANDY HOOK AREA D
SIMULATION OF PROJECT: WIREFRAME (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

URS BOEM Bureau of Ocean Energy Management Truescape®

KOP: **Sandy Hook Area D**
Season: Fall
Time of Day: Afternoon

Base Photographic Documentation

Date (MM/DD/YYYY):	10/20/2014
Time (24hr):	14:41
GPS Longitude:	-73.98319
GPS Latitude:	40.425513
Viewpoint Elevation (ft):	9.47
Camera Height (ft):	5.41
Camera Heading (°):	93

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:	215.5135734
Sun Elevation:	31.965471
Lighting Angle (On Turbines):	Front-Lit
Weather Conditions:	Partly-Cloudy
Maximum Visibility (NM):	26.4
Average Predicted Visibility (NM):	18.6
Wave Height (ft):	1.5
Period (Seconds):	9
Temperature (°F):	61
Temperature (°C):	16
Humidity (%):	39

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

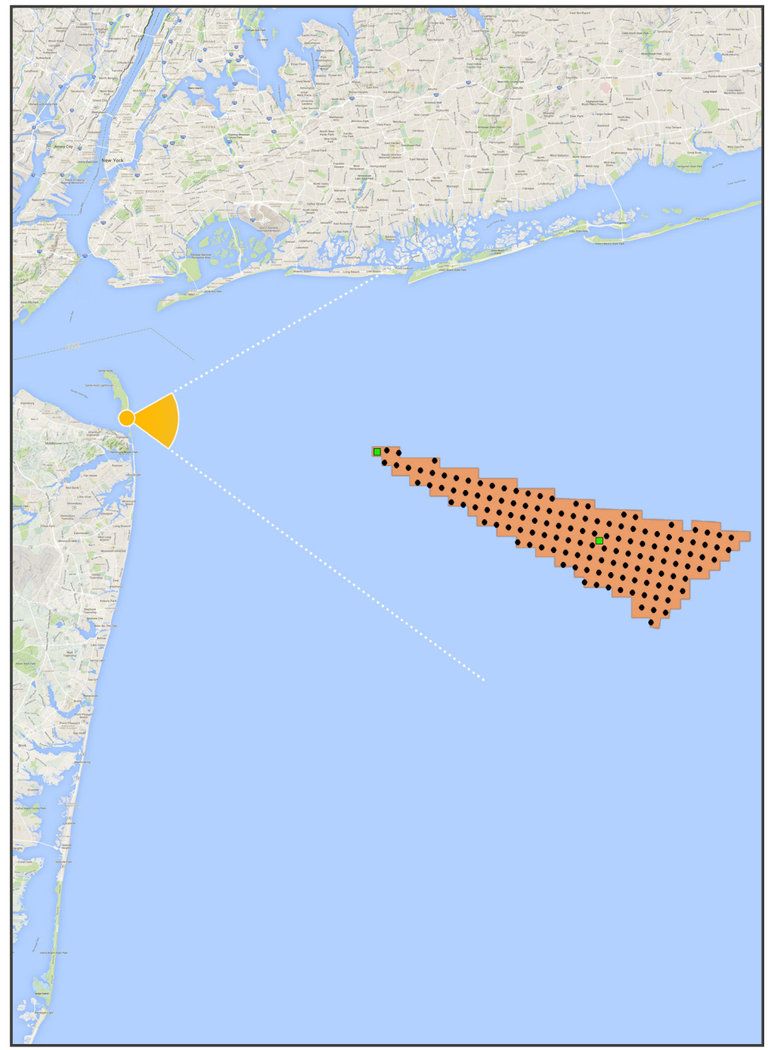
Turbine Information

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

Scale bar to be 4 inches wide (102 mm)

Context Map



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

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SANDY HOOK AREA D
EXISTING CONDITIONS (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SANDY HOOK AREA D
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SANDY HOOK AREA D
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SANDY HOOK AREA D
SIMULATION OF PROJECT: WIREFRAME (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

URS BOEM Bureau of Ocean Energy Management Truescape®

KOP: **Sandy Hook Area D**
Season: Fall
Time of Day: Night

Base Photographic Documentation

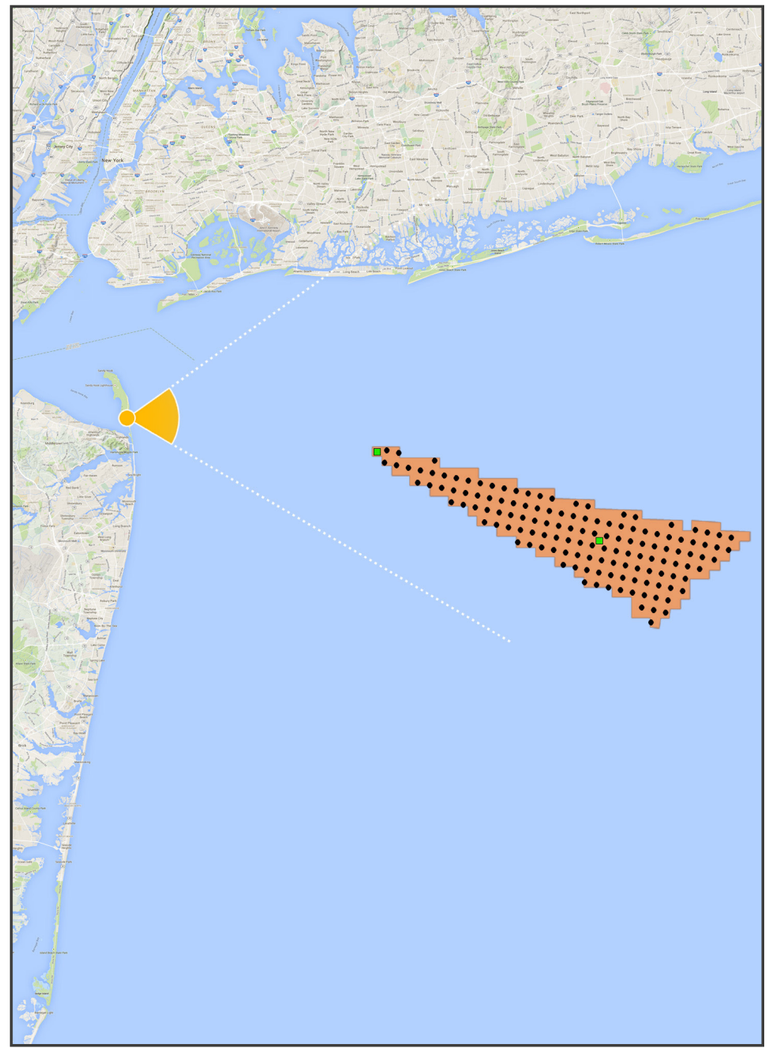
Date (MM/DD/YYYY):	10/20/2014
Time (24hr):	19:25
GPS Longitude:	-73.98319
GPS Latitude:	40.425513
Viewpoint Elevation (ft):	9.47
Camera Height (ft):	5.41
Camera Heading (°):	87

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)

Image Preview

Context Map



Sun And Weather Information

Sun Azimuth:	N/A
Sun Elevation:	N/A
Lighting Angle (On Turbines):	N/A
Weather Conditions:	Cloud
Maximum Visibility (NM):	22.9
Average Predicted Visibility (NM):	18.6
Wave Height (ft):	1.3
Period (Seconds):	9
Temperature (°F):	59
Temperature (°C):	15
Humidity (%):	54

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

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)

Scale Bar

Scale bar to be 4 inches wide (102 mm)

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

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SANDY HOOK AREA D
EXISTING CONDITIONS (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SANDY HOOK AREA D
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SANDY HOOK AREA D
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - SANDY HOOK AREA D
SIMULATION OF PROJECT: WIREFRAME (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KOP: **Twin Light NHL, aka Navesink Light Station**
Season: Fall
Time of Day: Morning

Base Photographic Documentation

Date (MM/DD/YYYY):	11/29/2014
Time (24hr):	09:24
GPS Longitude:	-73.98546
GPS Latitude:	40.396035
Viewpoint Elevation (ft):	254.78
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:	145.3393781
Sun Elevation:	20.00965151
Lighting Angle (On Turbines):	Right-Lit
Weather Conditions:	Overcast
Maximum Visibility (NM):	22.6
Average Predicted Visibility (NM):	18.6
Wave Height (ft):	1
Period (Seconds):	10
Temperature (°F):	32
Temperature (°C):	0
Humidity (%):	55

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

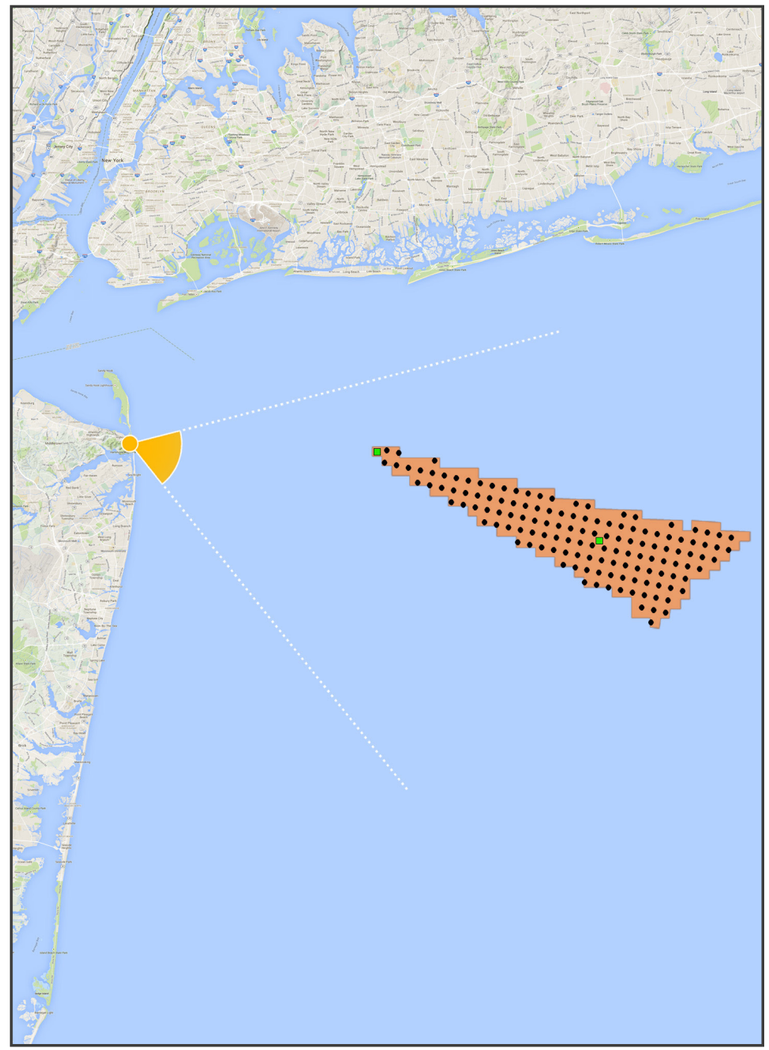
Turbine Information

Distance to Nearest Turbine (NM):	17.2
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

Scale bar to be 4 inches wide (102 mm)

Context Map



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

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - TWIN LIGHT NHL, AKA NAVESINK LIGHT STATION
EXISTING CONDITIONS (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - TWIN LIGHT NHL, AKA NAVESINK LIGHT STATION
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - TWIN LIGHT NHL, AKA NAVESINK LIGHT STATION
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - TWIN LIGHT NHL, AKA NAVESINK LIGHT STATION
SIMULATION OF PROJECT: WIREFRAME (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

URS BOEM Bureau of Ocean Energy Management Truescape®

KOP: **Twin Light NHL, aka Navesink Light Station**
Season: Fall
Time of Day: Midday

Base Photographic Documentation

Date (MM/DD/YYYY):	11/29/2014
Time (24hr):	11:14
GPS Longitude:	-73.98546
GPS Latitude:	40.396035
Viewpoint Elevation (ft):	254.78
Camera Height (ft):	5.41
Camera Heading (°):	105

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)

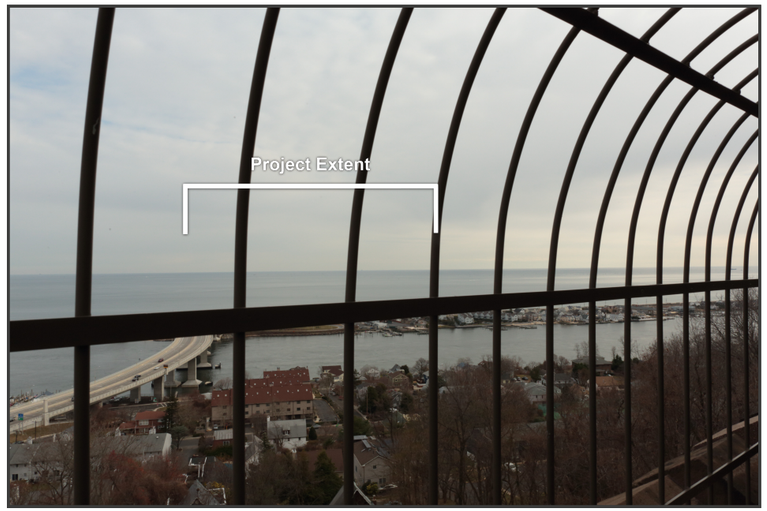
Sun And Weather Information

Sun Azimuth:	172.0500744
Sun Elevation:	27.66928908
Lighting Angle (On Turbines):	Right-Lit
Weather Conditions:	Overcast
Maximum Visibility (NM):	26.0
Average Predicted Visibility (NM):	18.6
Wave Height (ft):	0.9
Period (Seconds):	9
Temperature (°F):	34
Temperature (°C):	1
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



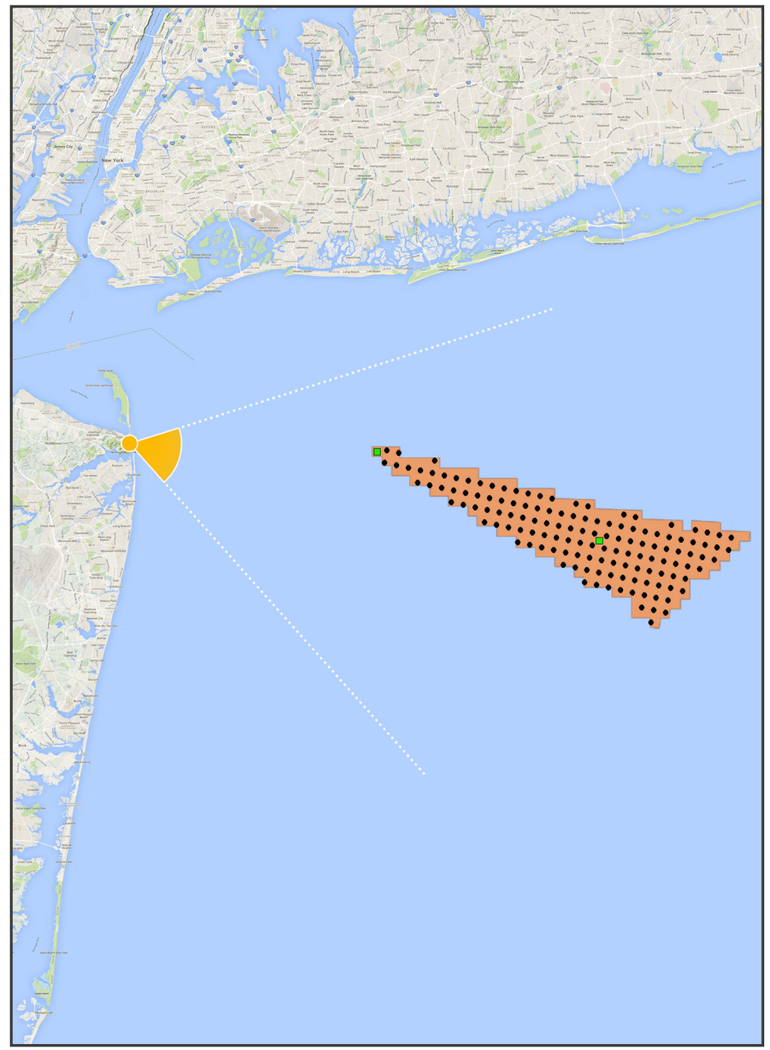
Turbine Information

Distance to Nearest Turbine (NM):	17.2
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

Scale bar to be 4 inches wide (102 mm)

Context Map



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

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - TWIN LIGHT NHL, AKA NAVESINK LIGHT STATION
EXISTING CONDITIONS (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - TWIN LIGHT NHL, AKA NAVESINK LIGHT STATION
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - TWIN LIGHT NHL, AKA NAVESINK LIGHT STATION
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - TWIN LIGHT NHL, AKA NAVESINK LIGHT STATION
SIMULATION OF PROJECT: WIREFRAME (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

URS BOEM Bureau of Ocean Energy Management Truescape®

KOP: **Twin Light NHL, aka Navesink Light Station**
Season: Fall
Time of Day: Afternoon

Base Photographic Documentation

Date (MM/DD/YYYY):	11/29/2014
Time (24hr):	14:04
GPS Longitude:	-73.98546
GPS Latitude:	40.396035
Viewpoint Elevation (ft):	254.78
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:	214.5241022
Sun Elevation:	20.04041467
Lighting Angle (On Turbines):	Right-Lit
Weather Conditions:	Overcast
Maximum Visibility (NM):	25.4
Average Predicted Visibility (NM):	18.6
Wave Height (ft):	1
Period (Seconds):	9
Temperature (°F):	34
Temperature (°C):	1
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

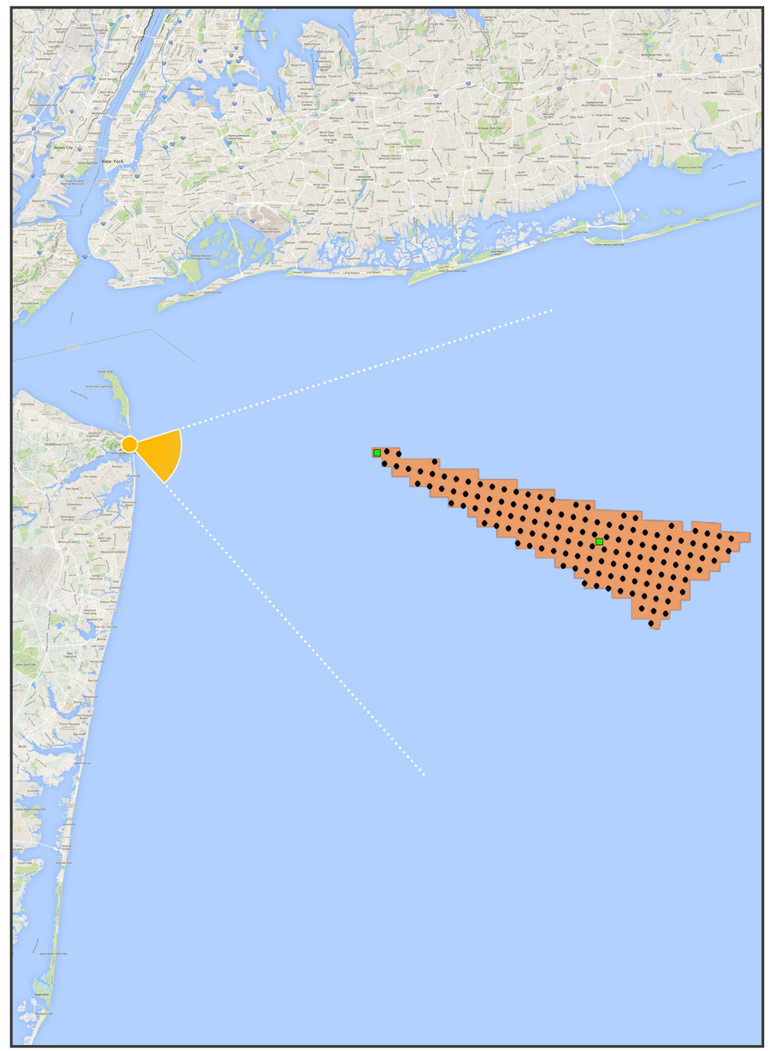
Turbine Information

Distance to Nearest Turbine (NM):	17.2
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

Scale bar to be 4 inches wide (102 mm)

Context Map



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

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - TWIN LIGHT NHL, AKA NAVESINK LIGHT STATION
EXISTING CONDITIONS (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - TWIN LIGHT NHL, AKA NAVESINK LIGHT STATION
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - TWIN LIGHT NHL, AKA NAVESINK LIGHT STATION
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - TWIN LIGHT NHL, AKA NAVESINK LIGHT STATION
SIMULATION OF PROJECT: WIREFRAME (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KOP: **Twin Light NHL, aka Navesink Light Station**
Season: Fall
Time of Day: Night

Base Photographic Documentation

Date (MM/DD/YYYY):	10/20/2014
Time (24hr):	20:24
GPS Longitude:	-73.98546
GPS Latitude:	40.396035
Viewpoint Elevation (ft):	254.78
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)

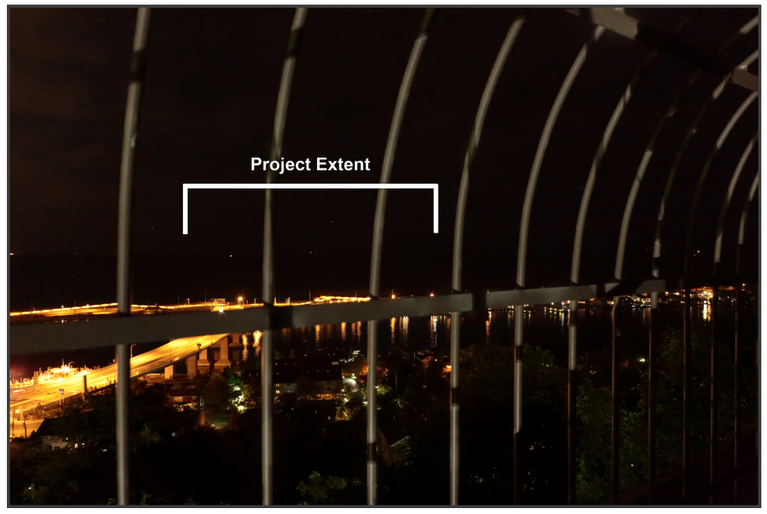
Sun And Weather Information

Sun Azimuth:	N/A
Sun Elevation:	N/A
Lighting Angle (On Turbines):	N/A
Weather Conditions:	Cloud
Maximum Visibility (NM):	22.9
Average Predicted Visibility (NM):	18.6
Wave Height (ft):	1.3
Period (Seconds):	9
Temperature (°F):	63
Temperature (°C):	17
Humidity (%):	54

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



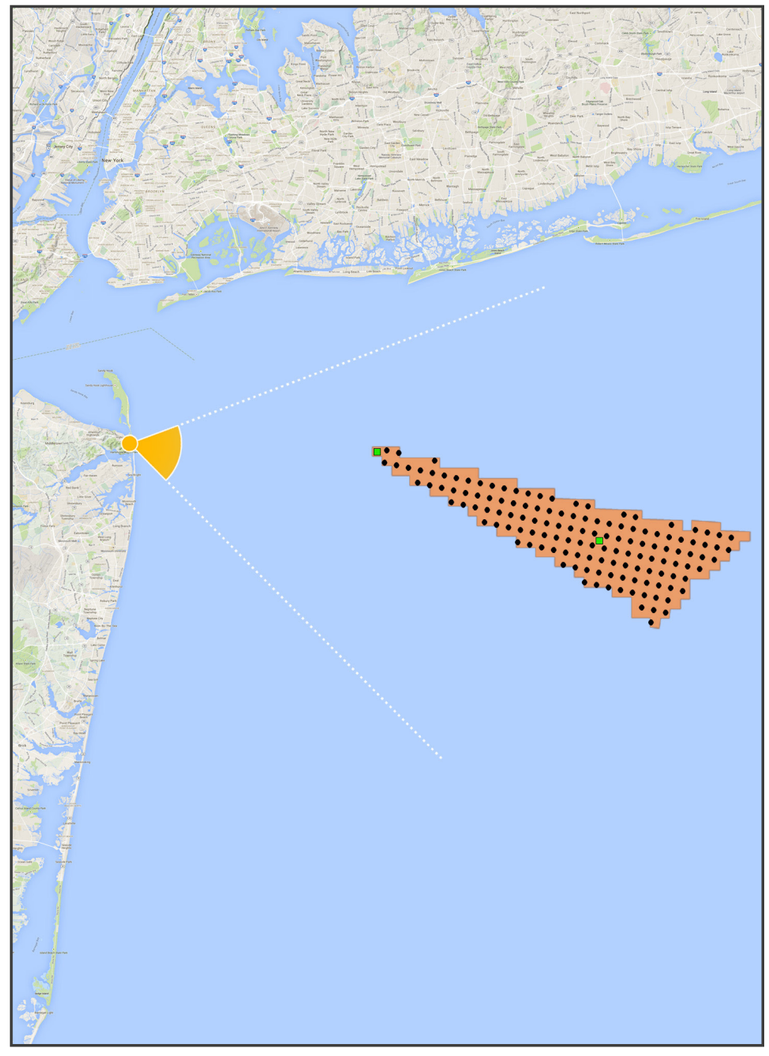
Turbine Information

Distance to Nearest Turbine (NM):	17.2
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

Scale bar to be 4 inches wide (102 mm)

Context Map



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

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - TWIN LIGHT NHL, AKA NAVESINK LIGHT STATION
EXISTING CONDITIONS (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - TWIN LIGHT NHL, AKA NAVESINK LIGHT STATION
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - TWIN LIGHT NHL, AKA NAVESINK LIGHT STATION
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - TWIN LIGHT NHL, AKA NAVESINK LIGHT STATION
SIMULATION OF PROJECT: WIREFRAME (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

URS BOEM Bureau of Ocean Energy Management Truescape®

KOP: **Rumson**
Season: Fall
Time of Day: Night

Base Photographic Documentation

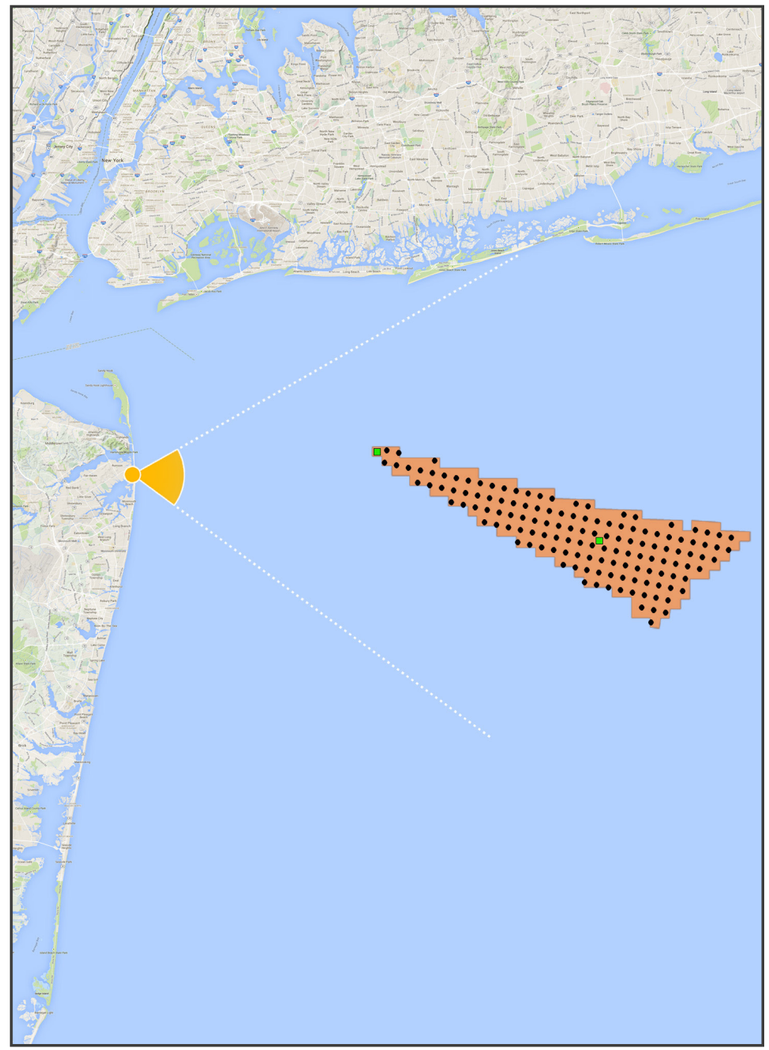
Date (MM/DD/YYYY):	10/20/2014
Time (24hr):	21:30
GPS Longitude:	-73.973794
GPS Latitude:	40.366991
Viewpoint Elevation (ft):	19.40
Camera Height (ft):	5.41
Camera Heading (°):	92

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)

Image Preview

Context Map



Sun And Weather Information

Sun Azimuth:	N/A
Sun Elevation:	N/A
Lighting Angle (On Turbines):	N/A
Weather Conditions:	Overcast
Maximum Visibility (NM):	20.1
Average Predicted Visibility (NM):	18.6
Wave Height (ft):	1.3
Period (Seconds):	9
Temperature (°F):	63
Temperature (°C):	17
Humidity (%):	63

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

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)

Scale Bar

Scale bar to be 4 inches wide (102 mm)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - RUMSON
EXISTING CONDITIONS (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - RUMSON
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - RUMSON
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - RUMSON
SIMULATION OF PROJECT: WIREFRAME (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

URS BOEM Bureau of Ocean Energy Management Truescape®

KOP: **Asbury Park**
Season: Fall
Time of Day: Night

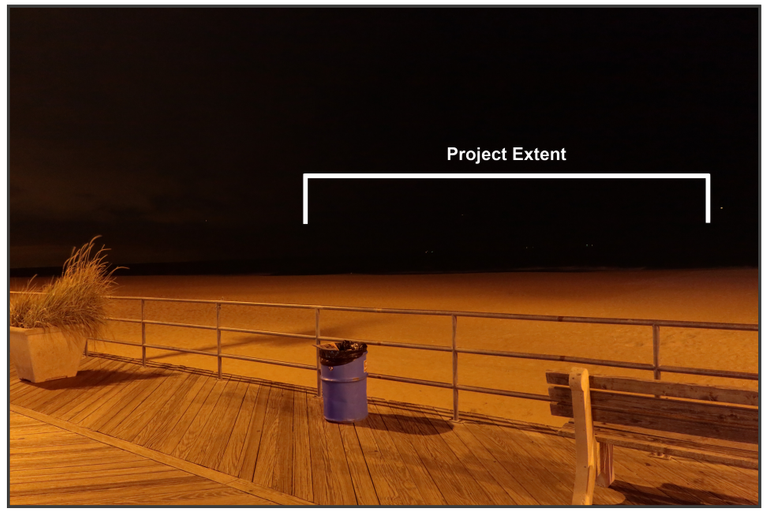
Base Photographic Documentation

Date (MM/DD/YYYY):	10/20/2014
Time (24hr):	22:42
GPS Longitude:	-73.998334
GPS Latitude:	40.224404
Viewpoint Elevation (ft):	19.14
Camera Height (ft):	5.41
Camera Heading (°):	66

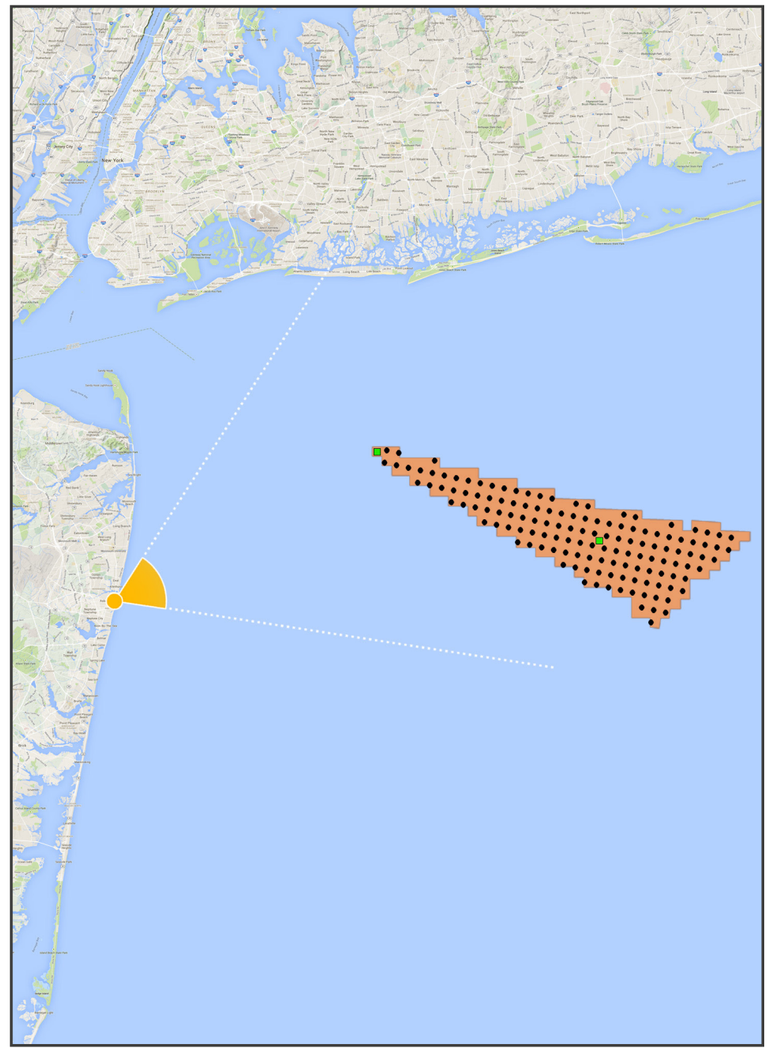
Camera Information

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)

Image Preview



Context Map



Sun And Weather Information

Sun Azimuth:	N/A
Sun Elevation:	N/A
Lighting Angle (On Turbines):	N/A
Weather Conditions:	Cloud
Maximum Visibility (NM):	21.4
Average Predicted Visibility (NM):	18.6
Wave Height (ft):	1.2
Period (Seconds):	9
Temperature (°F):	63
Temperature (°C):	17
Humidity (%):	59

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

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)

Scale Bar

Scale bar to be 4 inches wide (102 mm)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - ASBURY PARK
EXISTING CONDITIONS (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - ASBURY PARK
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - ASBURY PARK
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - ASBURY PARK
SIMULATION OF PROJECT: WIREFRAME (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KOP: **Ocean Grove**
Season: Fall
Time of Day: Morning

Base Photographic Documentation

Date (MM/DD/YYYY):	10/20/2014
Time (24hr):	11:05
GPS Longitude:	-74.002402
GPS Latitude:	40.213252
Viewpoint Elevation (ft):	15.70
Camera Height (ft):	5.41
Camera Heading (°):	87

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:	150.9600163
Sun Elevation:	34.69299183
Lighting Angle (On Turbines):	Right-Lit
Weather Conditions:	Cloud
Maximum Visibility (NM):	25.4
Average Predicted Visibility (NM):	18.6
Wave Height (ft):	1.5
Period (Seconds):	9
Temperature (°F):	52
Temperature (°C):	11
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

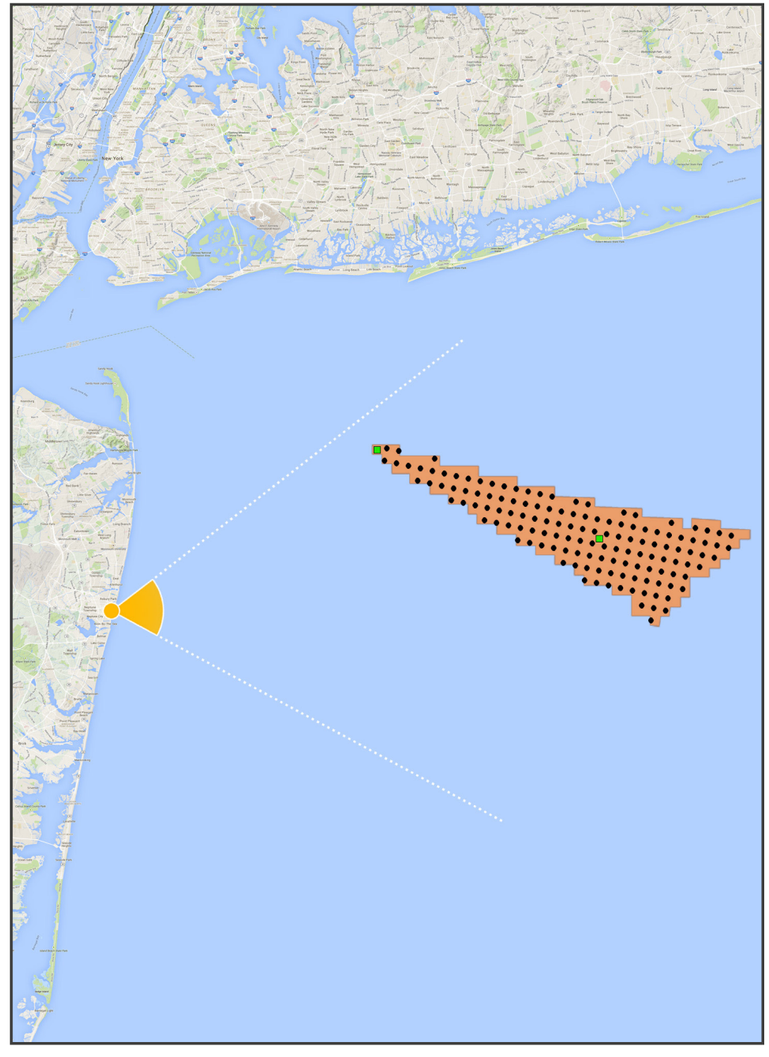
Turbine Information

Distance to Nearest Turbine (NM):	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

Scale bar to be 4 inches wide (102 mm)

Context Map



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

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - OCEAN GROVE
EXISTING CONDITIONS (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - OCEAN GROVE
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - OCEAN GROVE
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - OCEAN GROVE
SIMULATION OF PROJECT: WIREFRAME (FALL / MORNING)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KOP: **Ocean Grove**
Season: Fall
Time of Day: Midday

Base Photographic Documentation

Date (MM/DD/YYYY):	10/20/2014
Time (24hr):	12:45
GPS Longitude:	-74.002402
GPS Latitude:	40.213252
Viewpoint Elevation (ft):	15.70
Camera Height (ft):	5.41
Camera Heading (°):	86

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:	181.3445391
Sun Elevation:	39.29745306
Lighting Angle (On Turbines):	Right-Lit
Weather Conditions:	Partly-Cloudy
Maximum Visibility (NM):	25.6
Average Predicted Visibility (NM):	18.6
Wave Height (ft):	1.5
Period (Seconds):	9
Temperature (°F):	57
Temperature (°C):	14
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

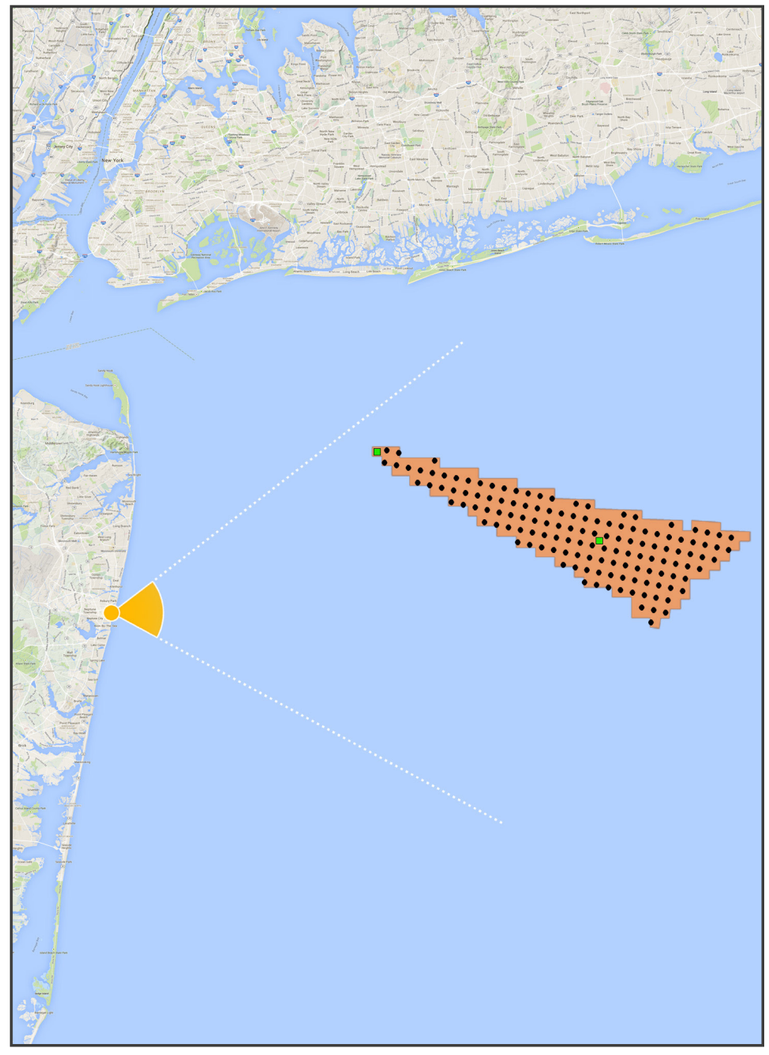
Turbine Information

Distance to Nearest Turbine (NM):	20.5
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

Scale bar to be 4 inches wide (102 mm)

Context Map



This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - OCEAN GROVE
EXISTING CONDITIONS (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - OCEAN GROVE
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - OCEAN GROVE
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - OCEAN GROVE
SIMULATION OF PROJECT: WIREFRAME (FALL / MIDDAY)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KOP: **Ocean Grove**
Season: Fall
Time of Day: Afternoon

Base Photographic Documentation

Date (MM/DD/YYYY):	10/20/2014
Time (24hr):	15:36
GPS Longitude:	-74.002402
GPS Latitude:	40.213252
Viewpoint Elevation (ft):	15.70
Camera Height (ft):	5.41
Camera Heading (°):	58

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:	228.7222735
Sun Elevation:	25.07968247
Lighting Angle (On Turbines):	Front-Lit
Weather Conditions:	Partly-Cloudy
Maximum Visibility (NM):	26.4
Average Predicted Visibility (NM):	18.6
Wave Height (ft):	1.4
Period (Seconds):	9
Temperature (°F):	59
Temperature (°C):	15
Humidity (%):	39

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

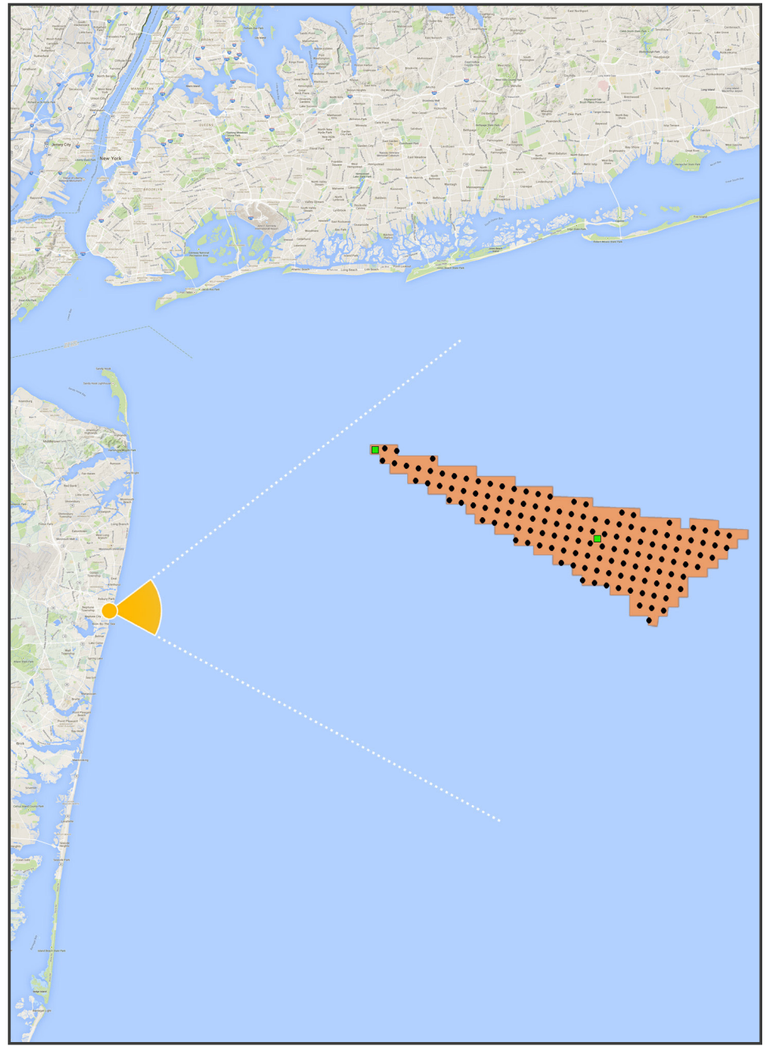
Turbine Information

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

Scale bar to be 4 inches wide (102 mm)

Context Map



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

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - OCEAN GROVE
EXISTING CONDITIONS (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - OCEAN GROVE
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - OCEAN GROVE
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - OCEAN GROVE
SIMULATION OF PROJECT: WIREFRAME (FALL / AFTERNOON)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KOP: **Ocean Grove**
Season: Fall
Time of Day: Night

Base Photographic Documentation

Date (MM/DD/YYYY):	10/20/2014
Time (24hr):	23:10
GPS Longitude:	-74.002402
GPS Latitude:	40.213252
Viewpoint Elevation (ft):	15.70
Camera Height (ft):	5.41
Camera Heading (°):	87

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)

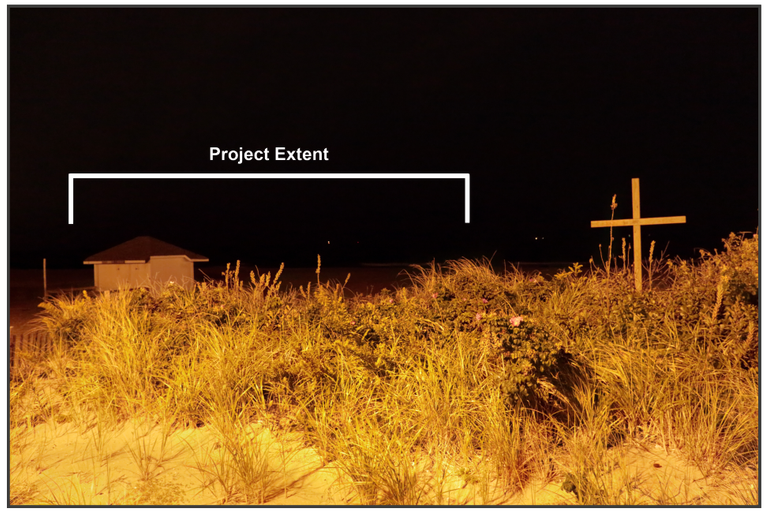
Sun And Weather Information

Sun Azimuth:	N/A
Sun Elevation:	N/A
Lighting Angle (On Turbines):	N/A
Weather Conditions:	Cloud
Maximum Visibility (NM):	20.1
Average Predicted Visibility (NM):	18.6
Wave Height (ft):	1.1
Period (Seconds):	9
Temperature (°F):	63
Temperature (°C):	17
Humidity (%):	63

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



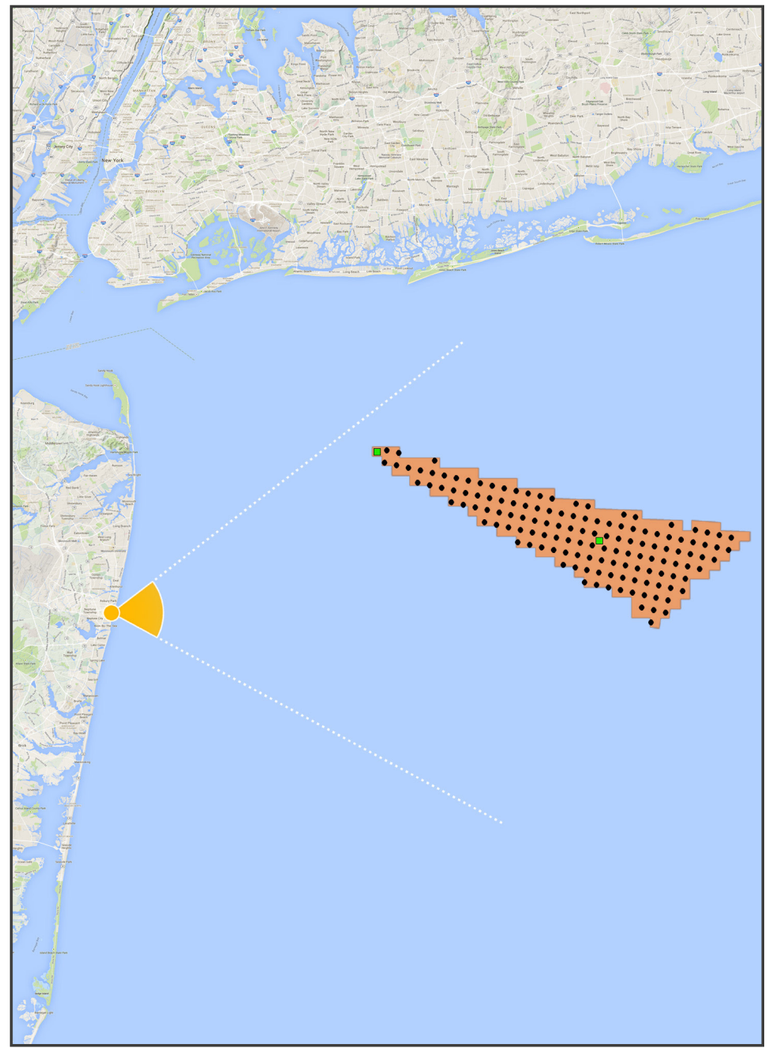
Turbine Information

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

Scale bar to be 4 inches wide (102 mm)

Context Map



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

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - OCEAN GROVE
EXISTING CONDITIONS (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - OCEAN GROVE
SIMULATION OF PROJECT UNDER AVERAGE PREDICTED VISIBILITY (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - OCEAN GROVE
SIMULATION OF PROJECT UNDER MAXIMUM VISIBILITY (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.

KEY OBSERVATION POINT - OCEAN GROVE
SIMULATION OF PROJECT: WIREFRAME (FALL / NIGHT)

Truescape®

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)

This simulation illustrates a hypothetical project and does not represent an actual or proposed project. Adherence to the viewing instructions provided on this page is necessary to ensure that the images are accurately portrayed.