Sunrise Wind | Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

NL01-B: Nomans Land Island NWR, Chilmark, Massachusetts

Visual Simulation: Full Lease Build-out Including Sunrise Wind

Simulation Size: 64" in width by 29.3" in height. Images should be viewed from a distance of 15 inches in order to obtain the proper perspective.

This box should be exactly 1" long on the printed panorama

Environmental Data

Date Simulated*: 12/12/2017
Time Simulated: 8:30 AM
Temperature: NA
Humidity: NA
Visibility: >10 miles
Wind Direction: NA
Wind Speed: NA
Conditions Simulated: Partly Cloudy

Key Observation Point Information

County: Dukes
Town: Chilmark
State: Massachusetts
Location: Nomans Land Island
Latitude, Longitude: 41.25712° N, 70.83100° W
Direction of View (Center): Southwest (214.6°)
Field of View: 124° x 55°

Virtual Camera Information

Lens Focal Length: 50 mm
Camera Height: 42.1 feet AMSL

Visual Resources

Landscape Similarity Zone: Coastal Bluff
User Group: No Access
Aesthetic Resource: Nomans Land Island National Wildlife Refuge

Notes:

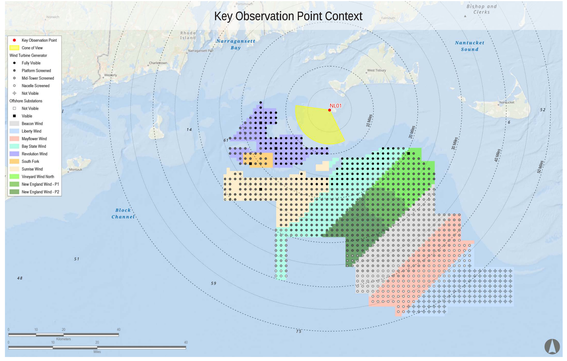
- Photosimulation Size: 64" in width by 29.3" in height. Images should be viewed from 15 inches in order to obtain the proper perspective.
- The potential number of WTGs and OSSs screened from view was calculated using a curvature of the earth model based on the distance, viewer height, and maximum structure height. This analysis does not consider the screening effects of intervening vegetation, structures, and topography.
- Offshore Substation location and dimensions are based on preliminary publicly available project data. Projects for which this data is not currently available, WTGs are used for all foundation positions. OSS positions and dimensions considered in this photosimulation are subject to potential modification.
- Nighttime photosimulations are digitally adjusted from daytime photographs. Nighttime photographs captured at each represented KOP inform the presence or lack of existing light sources.
- The existing WTGs associated with the Block Island Wind Farm are 16.9 miles from KOP LI04. In the daytime photosimulation, the WTGs appear faint due to atmospheric perspective commonly occurring on clear days such as the conditions illustrated in this photosimulation. In order to illustrate maximum potential visibility of the proposed WTG, this degree of atmospheric perspective is not applied to the photosimulations.
- Photographs were not obtained from NL01 during field review due to public access restrictions. In place of an actual photograph from this location, EDR created a virtual three-dimensional (3D) model of the island.

Reasonably Foreseeable Projects Represented in Visual Simulation

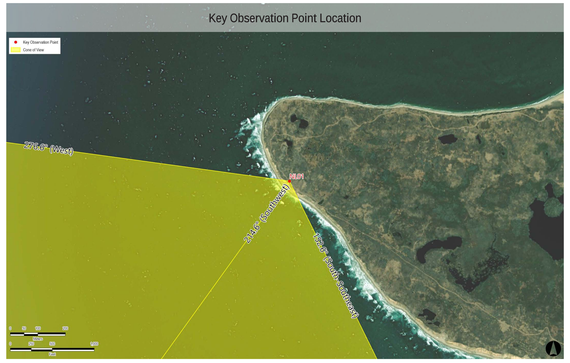
Project	Year of Development	WTG Model	Potential Number of WTGs & OSSs Visible*	Total Number of WTGs & OSSs in Project	Distance to Nearest Visible WTG (miles)	Distance to Furthest Visible WTG (miles)
South Fork Wind Farm	2023	12 MW	13	13	18.1	22.5
Vineyard Wind North	2023	14 MW	69	69	19.5	28.2
Revolution Wind	2023	12 MW	102	102	8.7	24.5
New England Wind Phase 1	2024	16 MW	41	41	20.4	29.2
New England Wind Phase 2	2024	19 MW	79	79	20.4	35.4
Sunrise Wind	2024	15 MW	123	123	15.6	31.0
Mayflower Wind	2024	12 MW	149	149	36.6	48.5
Liberty Wind	2025-2030	12 MW	17	139	43.9	46.5
Beacon Wind	2025-2030	12 MW	157	157	28.5	42.1
Bay State Wind	2025-2030	12 MW	185	185	11.3	39.4

Match Line NL01-A

Key Observation Point Context



Key Observation Point Location



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Town: Chilmark
State: Massachusetts
Location: Nomans Land Island
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Field of View: 124° x 55°

Virtual Camera Information

Lens Focal Length: 50 mm
Camera Height: 42.1 feet AMSL

Visual Resources

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User Group: No Access
Aesthetic Resource: Nomans Land Island National Wildlife Refuge

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Reasonably Foreseeable Projects Represented in Visual Simulation

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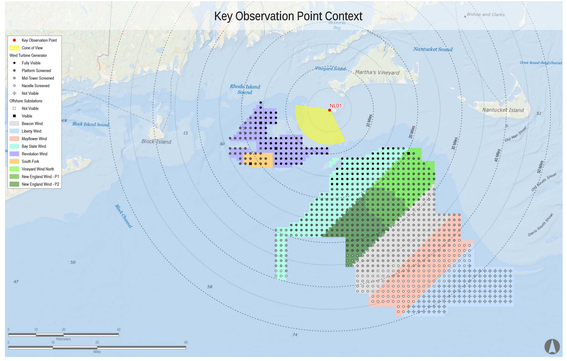
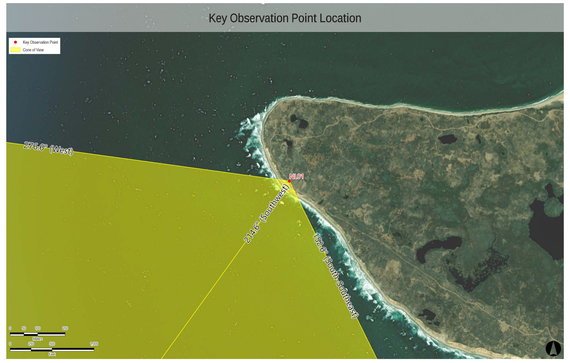
Bay State Wind	2025-2030	12 MW	185	185	11.3	39.4

Match Line NL01-A

Key Observation Point Context



Key Observation Point Location



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Appendix A: Sunrise Wind Cumulative Visual Simulations

NL01-B: Nomans Land Island NWR, Chilmark, Massachusetts

Visual Simulation: Sunrise Wind Without Other Foreseeable Future Changes

Simulation Size: 64" in width by 29.3" in height. Images should be viewed from a distance of 15 inches in order to obtain the proper perspective.

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Environmental Data

Date Simulated*: 12/12/2017
Time Simulated: 8:30 AM
Temperature: NA
Humidity: NA
Visibility: >10 miles
Wind Direction: NA
Wind Speed: NA
Conditions Simulated: Partly Cloudy

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Virtual Camera Information

Lens Focal Length: 50 mm
Camera Height: 42.1 feet AMSL

Visual Resources

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Aesthetic Resource: Nomans Land Island National Wildlife Refuge

Notes:

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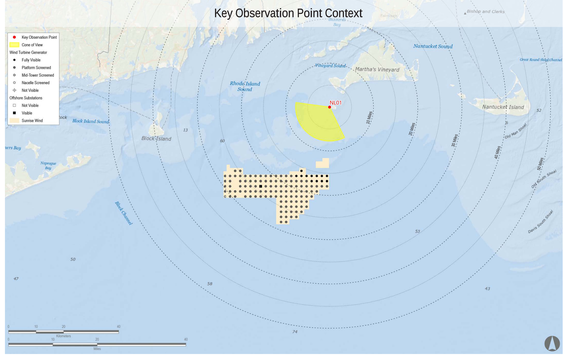
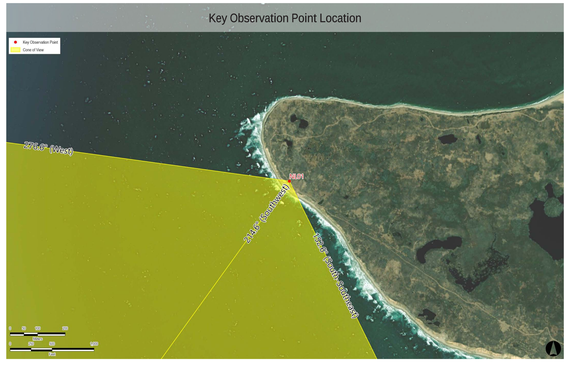
Reasonably Foreseeable Projects Represented in Visual Simulation

Project	Year of Development	WTG Model	Potential Number of WTGs & OSSs Visible*	Total Number of WTGs & OSSs in Project	Distance to Nearest Visible WTG (miles)	Distance to Furthest Visible WTG (miles)
Sunrise Wind	2024	15 MW	123	123	15.6	31.0

Match Line NL01-A