



Appendix A: Revolution Wind Cumulative Visual Simulations

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

Existing Conditions



Revolution Wind

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Appendix A: Revolution Wind Cumulative Visual Simulations

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

Visual Simulation: 2023 Project Construction (South Fork Wind and Vineyard Wind North)

Simulation Size: 66" 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 easily 1" long on the printed page.

Environmental Data

Date Simulated*: 12/12/2017

Time Simulated: 4:00 PM

Temperature: NA

Humidity: NA

Visibility: >10 miles

Wind Direction: NA

Wind Speed: NA

Conditions Simulated: Clear

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

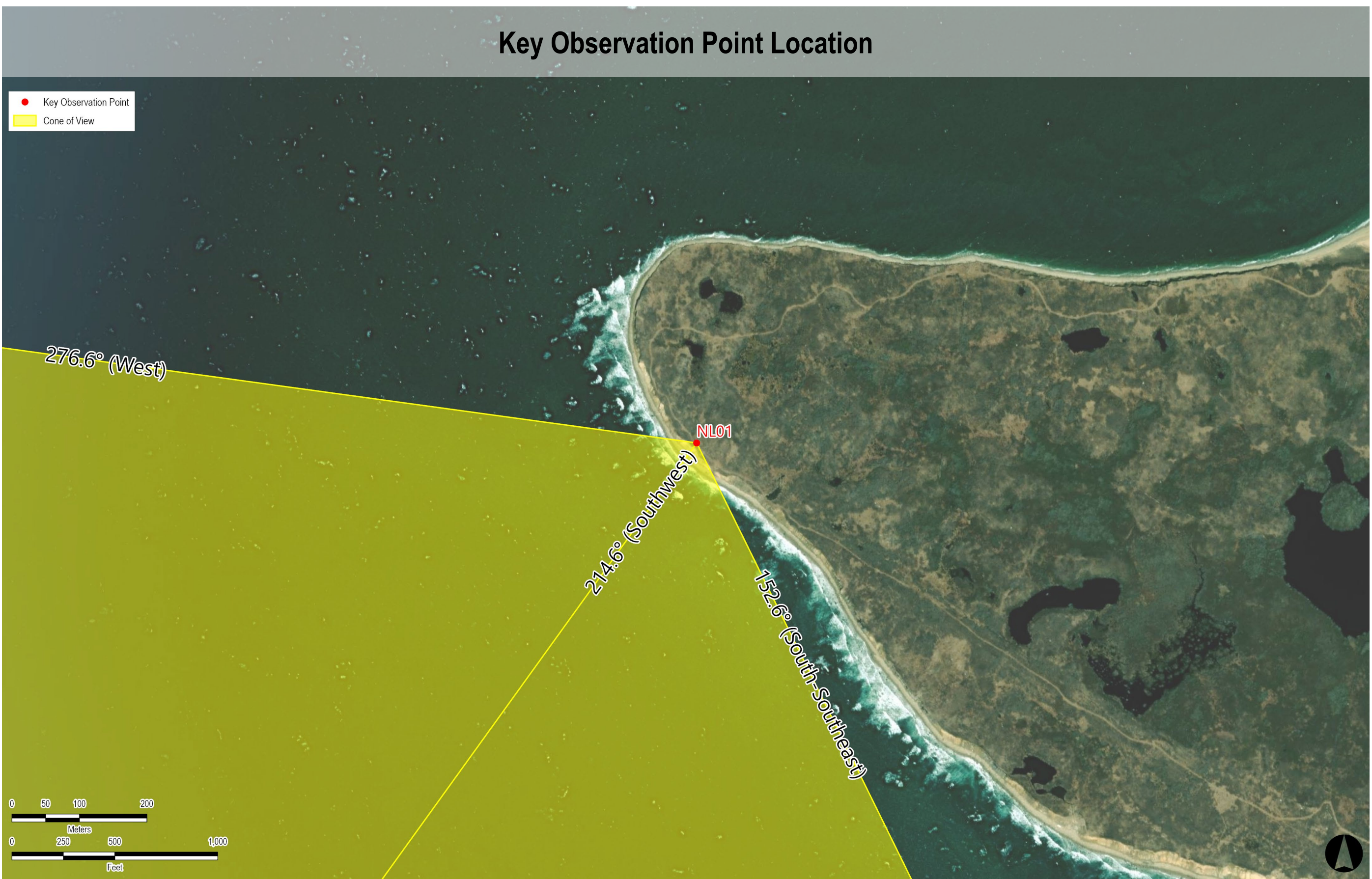
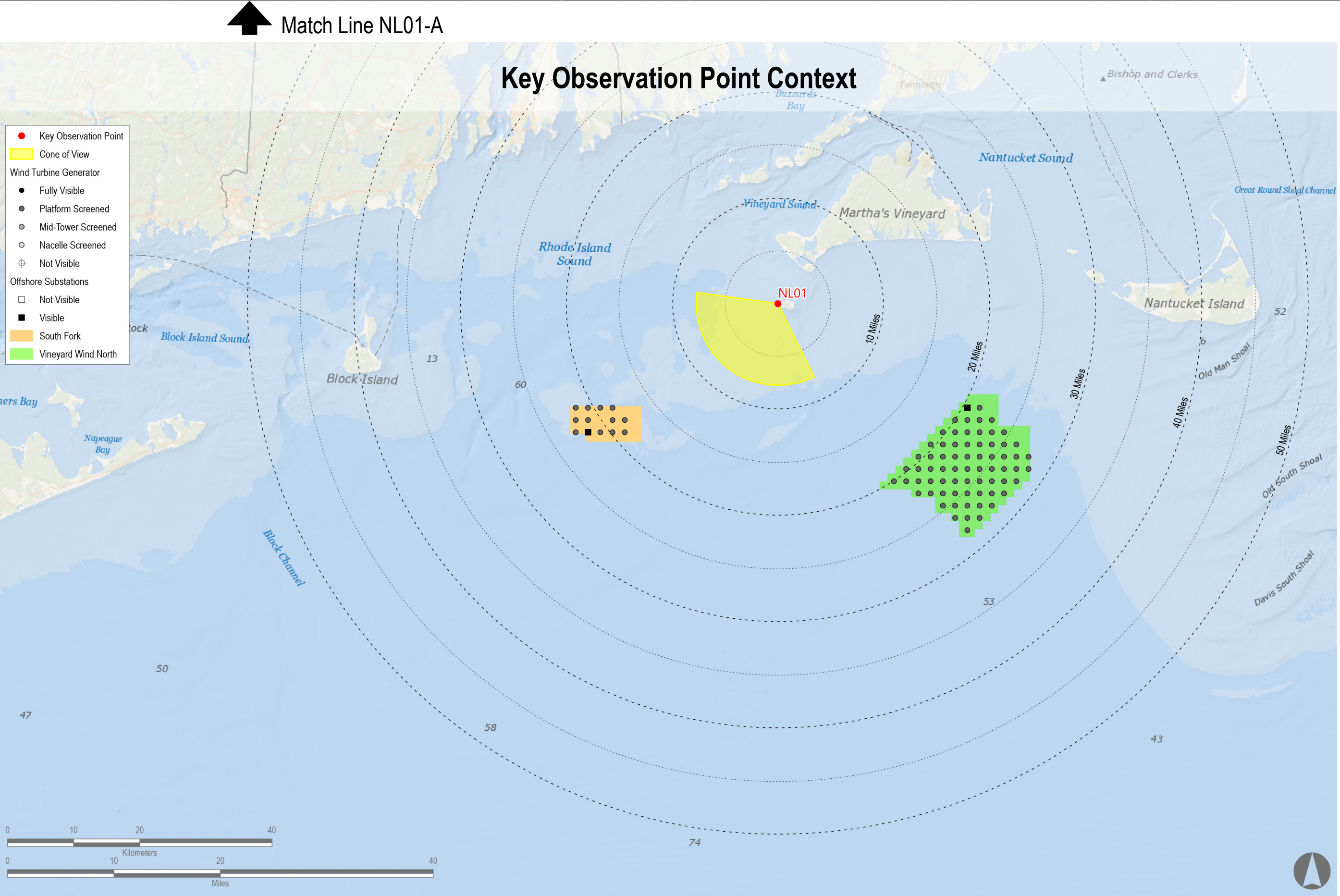
Landscape Similarity Zone: Coastal Bluff

User Group: No Access

Aesthetic Resource: Nomans Land Island National Wildlife Refuge

- Notes:
- Photosimulation Size: 66" 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 Stock Island Wind Farm are 16.9 miles from KOP USA. 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





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Appendix A: Revolution Wind Cumulative Visual Simulations

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

Visual Simulation: 2023 Project Construction with Revolution Construction added (Revolution Wind, South Fork Wind, and Vineyard Wind North)

Simulation Size: 66" 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 easily 1" long on the printed page.

Environmental Data
Date Simulated*: 12/12/2017
Time Simulated: 4:00 PM
Temperature: NA
Humidity: NA
Visibility: >10 miles
Wind Direction: NA
Wind Speed: NA
Conditions Simulated: Clear

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°

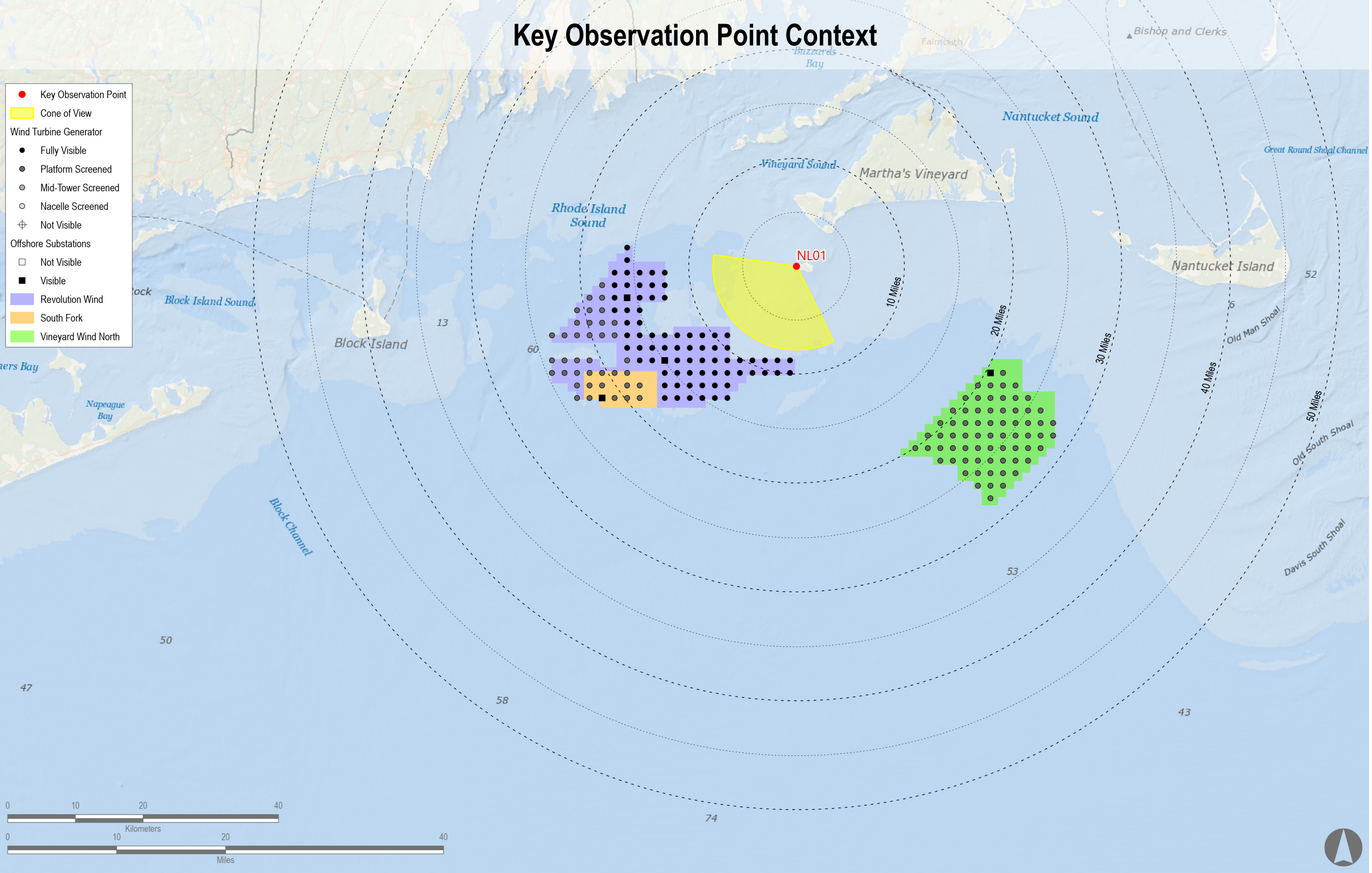
Virtual Camera Information
Lens Focal Length: 50 mm
Camera Height: 42.1 feet AMSL

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

- Notes:
- Photosimulation Size: 66" 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 WTCs 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, WTCs 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 WTCs associated with the Stock Island Wind Farm are 16.9 miles from KOP USA. In the daytime photosimulation, the WTCs 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 WTC, 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 WTCs & OSSs Visible*	Total Number of WTCs & 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

Match Line NL01-A





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Appendix A: Revolution Wind Cumulative Visual Simulations

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

Visual Simulation: Full Lease Build-out Including Revolution Wind

Simulation Size: 66" 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 easily 1" long on the printed panorama.

Environmental Data

Date Simulated*: 12/12/2017

Time Simulated: 4:00 PM

Temperature: NA

Humidity: NA

Visibility: >10 miles

Wind Direction: NA

Wind Speed: NA

Conditions Simulated: Clear

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

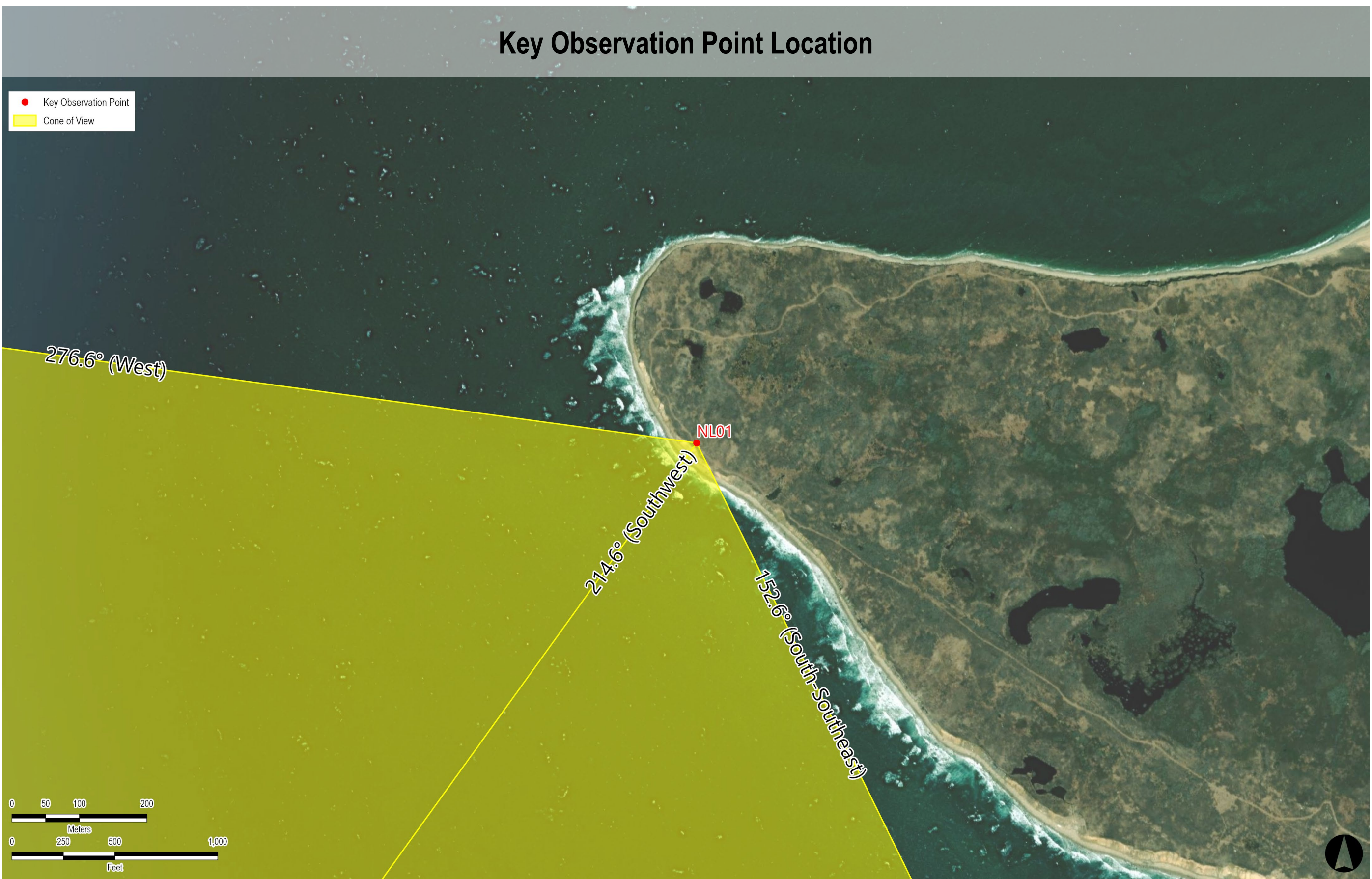
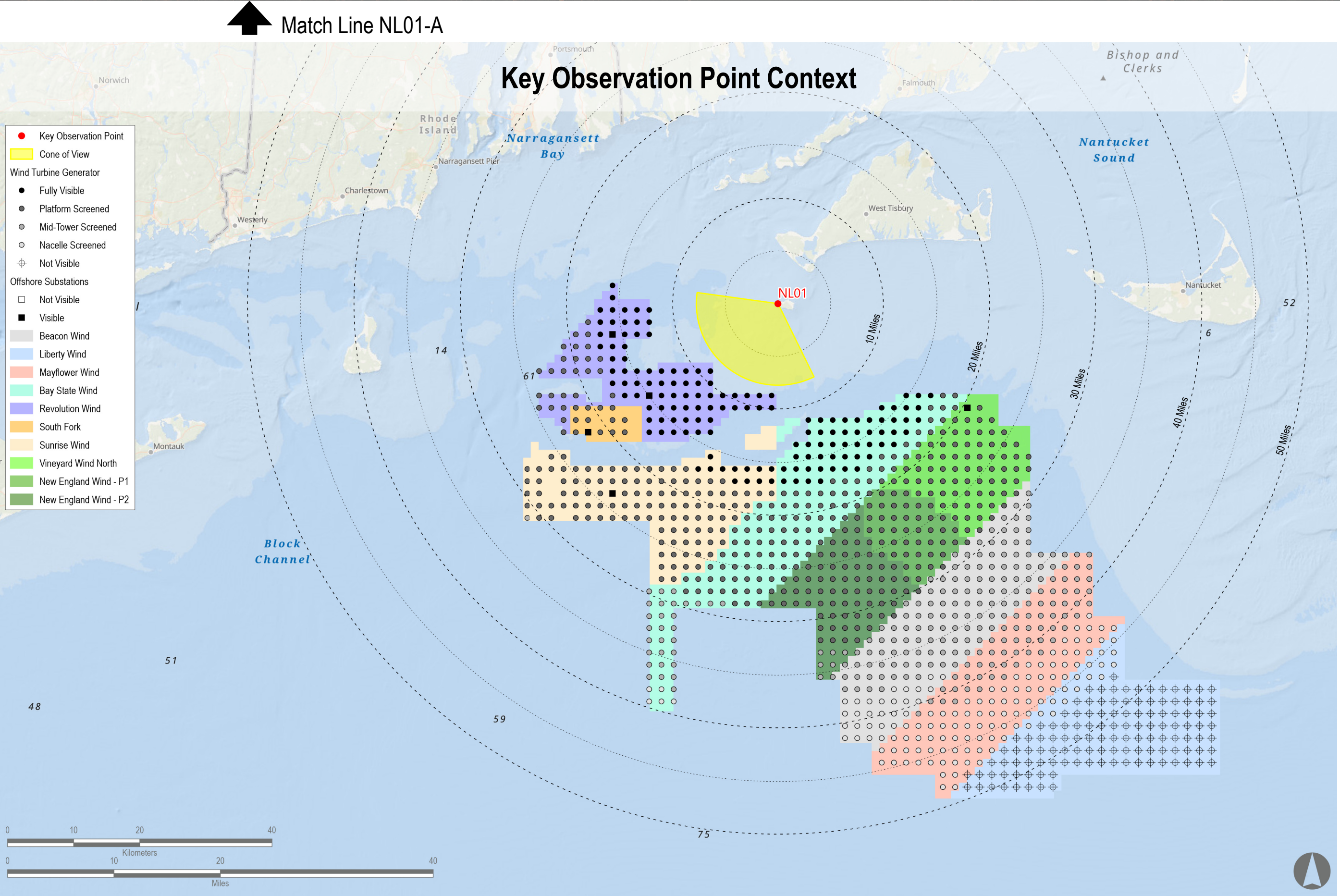
Landscape Similarity Zone: Coastal Bluff

User Group: No Access

Aesthetic Resource: Nomans Land Island National Wildlife Refuge

- Notes:
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 - 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 Stock Island Wind Farm are 16.9 miles from KOP NL01. 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





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

Visual Simulation: Full Lease Build-out Excluding Revolution Wind

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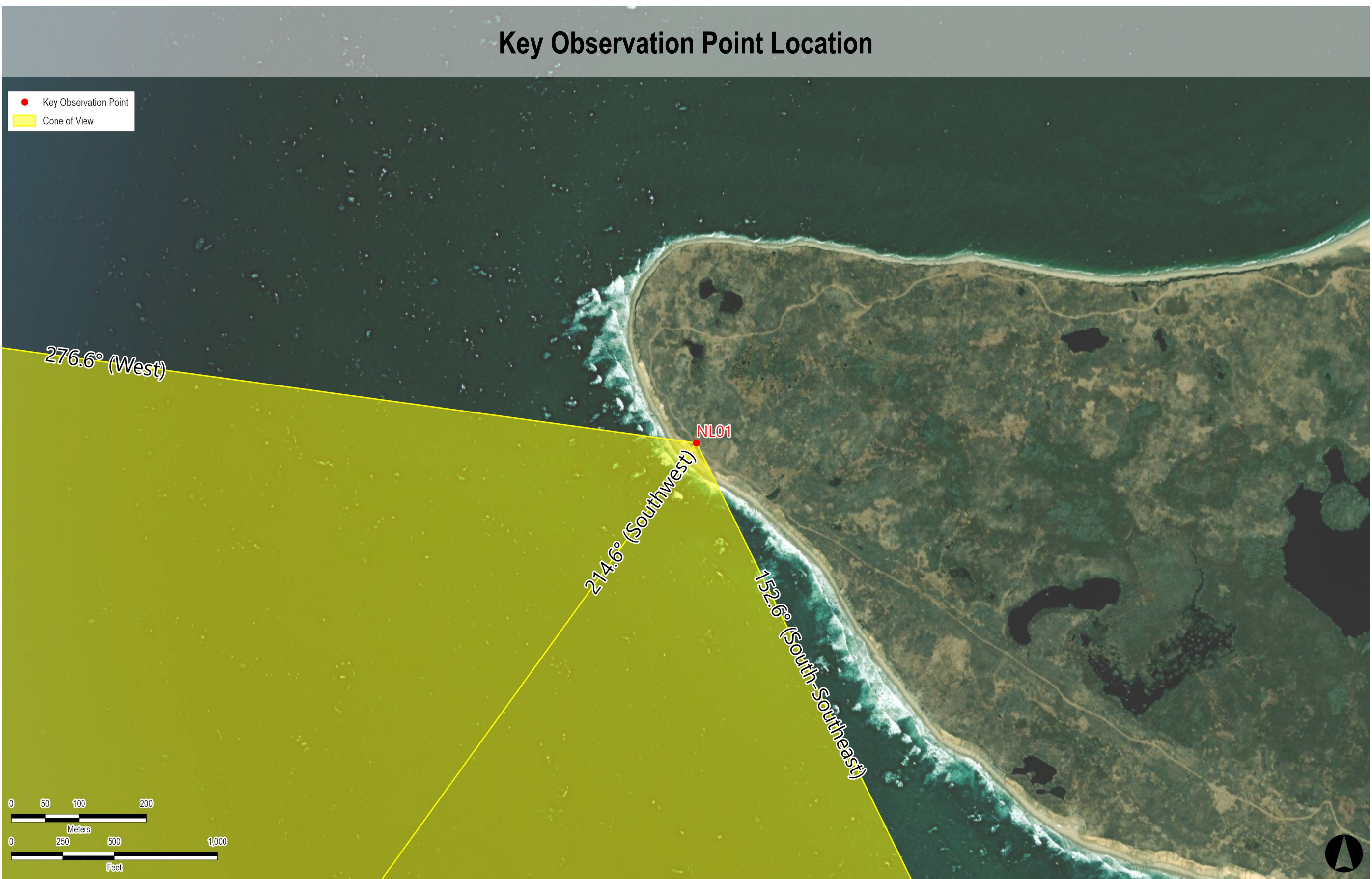
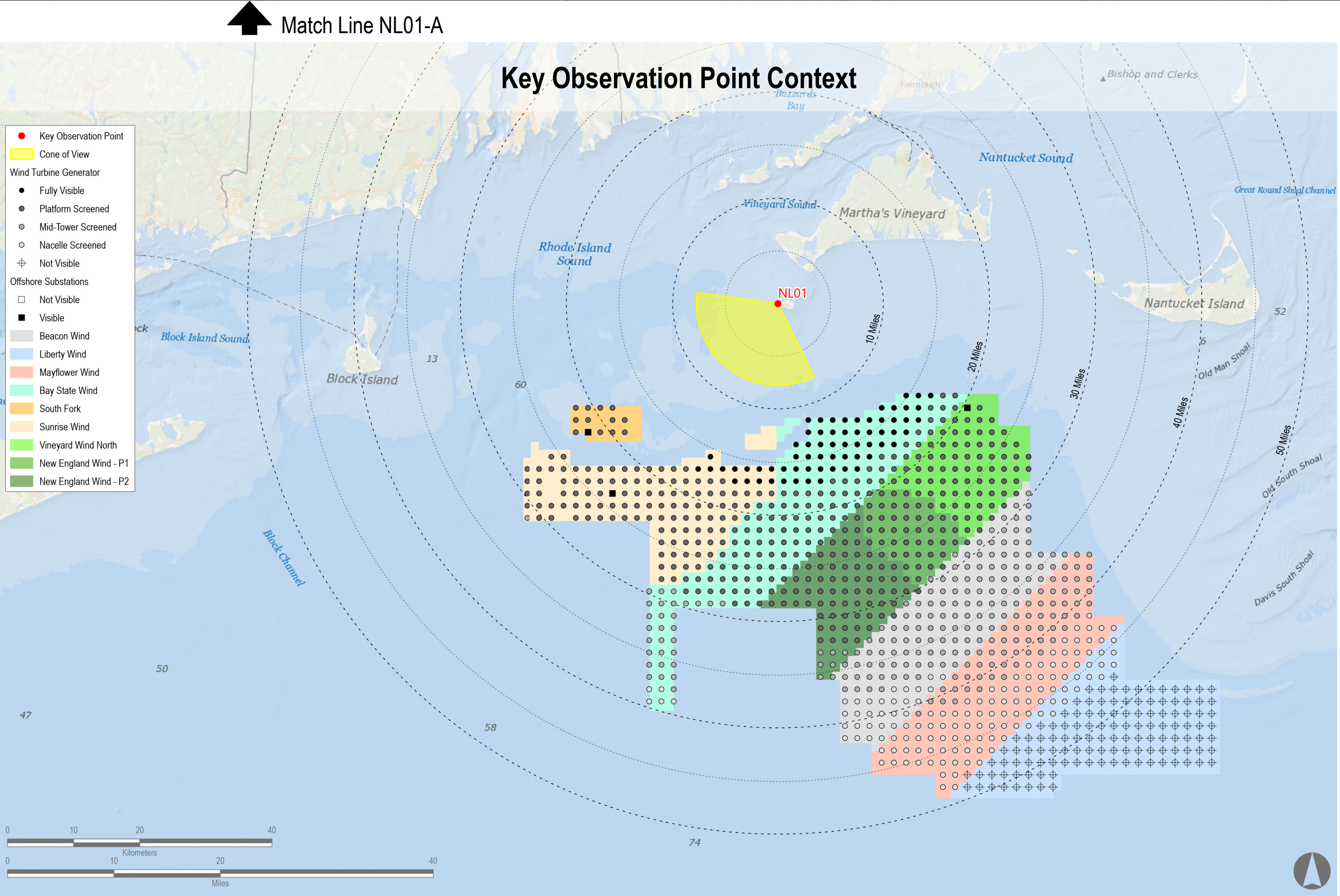
Environmental Data
Date Simulated*: 12/12/2017
Time Simulated: 4:00 PM
Temperature: NA
Humidity: NA
Visibility: >10 miles
Wind Direction: NA
Wind Speed: NA
Conditions Simulated: Clear

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°

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

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 - 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 16.3 miles from KOP USA. 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.
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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)
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Vineyard Wind North	2023	14 MW	69	69	19.5	28.2
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
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Appendix A: Revolution Wind Cumulative Visual Simulations

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

Visual Simulation: Revolution Wind Without Other Foreseeable Future Changes

Simulation Size: 66" 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
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Time Simulated: 4:00 PM
Temperature: NA
Humidity: NA
Visibility: >10 miles
Wind Direction: NA
Wind Speed: NA
Conditions Simulated: Clear

Key Observation Point Information
County: Dukes
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Virtual Camera Information
Lens Focal Length: 50 mm
Camera Height: 42.1 feet AMSL

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 - 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)
Revolution Wind	2023	12 MW	102	102	8.7	24.5

