Revolution Wind | Powered by Ørsted & Eversource

Appendix A: Revolution Wind Cumulative Visual Simulations

NI10: Madaket Beach, Nantucket, Massachusetts

Existing Conditions

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 exactly 1" long on the printed panorama

Environmental Data

Date Taken: 9/12/2021
Time: 10:50 AM
Temperature: 76°F
Humidity: 74%
Visibility: >10 miles
Wind Direction: South-Southwest
Wind Speed: 17 mph
Conditions Observed: Fair

Camera Information

Camera: Canon EOS 5D Mark IV
Resolution: 30.4 Megapixels
Lens Focal Length: 50 mm
Camera Height: 15.4 feet AMSL

Key Observation Point Information

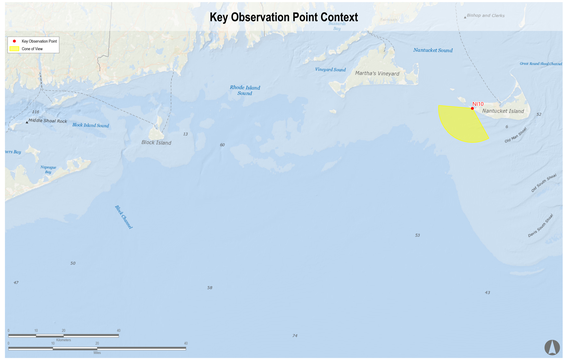
County: Nantucket
Town: Nantucket
State: Massachusetts
Location: Nantucket
Latitude, Longitude: 41.27401° N, 70.21141° W
Direction of View (Center): South-Southwest (212.3°)
Field of View: 124° x 55°

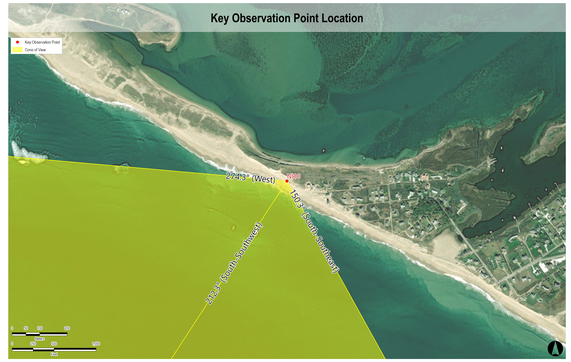
Visual Resources

Landscape Similarity Zone: Shoreline Beach
User Group: Local Resident, Tourist/Vacationers
Aesthetic Resource: Madaket Beach, Nantucket National Historic Landmark

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 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.





Revolution Wind

Powered by Ørsted & Eversource

Appendix A: Revolution Wind Cumulative Visual Simulations

NI10: Madaket Beach, Nantucket, 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 exactly 1" long on the printed panorama

Environmental Data

Date Taken: 9/12/2021
Time: 10:50 AM
Temperature: 76°F
Humidity: 74%
Visibility: >10 miles
Wind Direction: South-Southwest
Wind Speed: 17 mph
Conditions Observed: Fair

Key Observation Point Information

County: Nantucket
Town: Nantucket
State: Massachusetts
Location: Nantucket
Latitude, Longitude: 41.27401° N, 70.21141° W
Direction of View (Center): South-Southwest (212.3°)
Field of View: 124° x 55°

Camera Information

Camera: Canon EOS 5D Mark IV
Resolution: 30.4 Megapixels
Lens Focal Length: 50 mm
Camera Height: 15.4 feet AMSL

Visual Resources

Landscape Similarity Zone: Shoreline Beach
User Group: Local Resident, Tourist/Vacationers
Aesthetic Resource: Madaket Beach, Nantucket National Historic Landmark

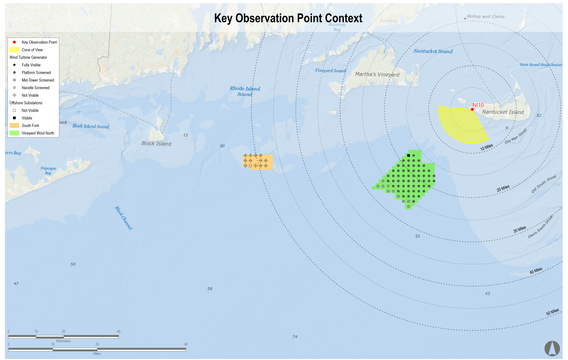
Notes:

- 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 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.

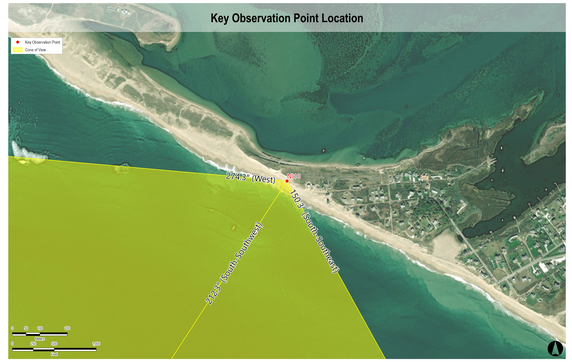
Reasonably Foreseeable Projects Represented in Visual Simulation

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	0	13	NA	NA
Vineyard Wind North	2023	14 MW	69	69	16.8	27.5

Key Observation Point Context



Key Observation Point Location



Revolution Wind | Powered by Ørsted & Eversource

Appendix A: Revolution Wind Cumulative Visual Simulations

NI10: Madaket Beach, Nantucket, 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 exactly 1" long on the printed panorama

Environmental Data

Date Taken: 9/12/2021
Time: 10:50 AM
Temperature: 76°F
Humidity: 74%
Visibility: >10 miles
Wind Direction: South-Southwest
Wind Speed: 17 mph
Conditions Observed: Fair

Key Observation Point Information

County: Nantucket
Town: Nantucket
State: Massachusetts
Location: Nantucket
Latitude, Longitude: 41.27401° N, 70.21141° W
Direction of View (Center): South-Southwest (212.3°)
Field of View: 124° x 55°

Camera Information

Camera: Canon EOS 5D Mark IV
Resolution: 30.4 Megapixels
Lens Focal Length: 50 mm
Camera Height: 15.4 feet AMSL

Visual Resources

Landscape Similarity Zone: Shoreline Beach
User Group: Local Resident, Tourist/Vacationers
Aesthetic Resource: Madaket Beach, Nantucket National Historic Landmark

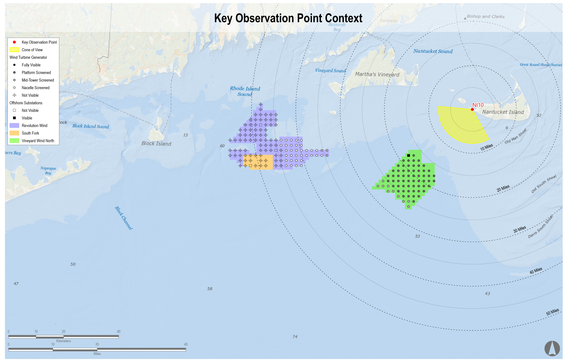
Notes:

- 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 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.

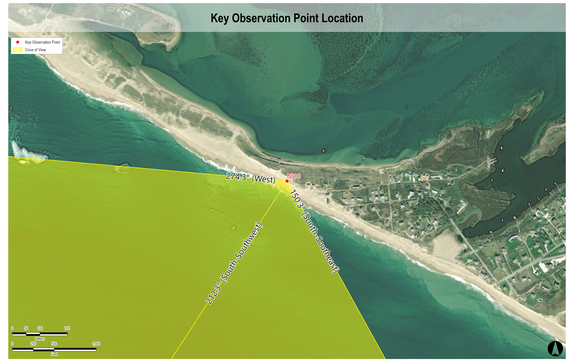
Reasonably Foreseeable Projects Represented in Visual Simulation

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	0	13	NA	NA
Vineyard Wind North	2023	14 MW	69	69	16.8	27.5
Revolution Wind	2023	12 MW	36	102	34.1	43.9

Key Observation Point Context



Key Observation Point Location



Revolution Wind

Powered by Ørsted & Eversource

Appendix A: Revolution Wind Cumulative Visual Simulations

NI10: Madaket Beach, Nantucket, 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 exactly 1" long on the printed panorama

Environmental Data

Date Taken: 9/12/2021
Time: 10:50 AM
Temperature: 76°F
Humidity: 74%
Visibility: >10 miles
Wind Direction: South-Southwest
Wind Speed: 17 mph
Conditions Observed: Fair

Camera Information

Camera: Canon EOS 5D Mark IV
Resolution: 30.4 Megapixels
Lens Focal Length: 50 mm
Camera Height: 15.4 feet AMSL

Key Observation Point Information

County: Nantucket
Town: Nantucket
State: Massachusetts
Location: Nantucket
Latitude, Longitude: 41.27401° N, 70.21141° W
Direction of View (Center): South-Southwest (212.3°)
Field of View: 124° x 55°

Visual Resources

Landscape Similarity Zone: Shoreline Beach
User Group: Local Resident, Tourist/Vacationers
Aesthetic Resource: Madaket Beach, Nantucket National Historic Landmark

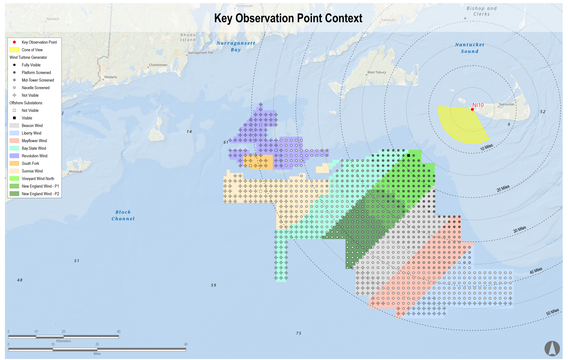
Notes:

- 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 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.

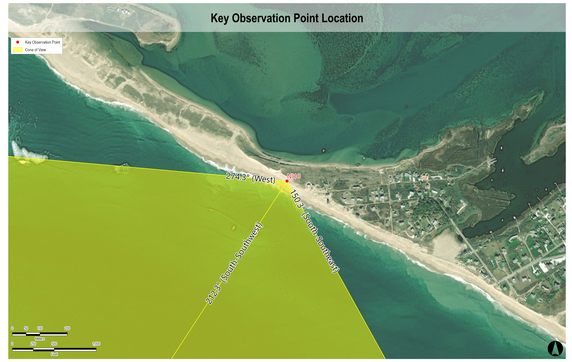
Reasonably Foreseeable Projects Represented in Visual Simulation

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	0	13	NA	NA
Vineyard Wind North	2023	14 MW	69	69	16.8	27.5
Revolution Wind	2023	12 MW	36	102	34.1	43.9
New England Wind Phase 1	2024	16 MW	41	41	26.5	32.7
New England Wind Phase 2	2024	19 MW	79	79	31.6	45.5
Sunrise Wind	2024	15 MW	46	123	36.5	45.9
Mayflower Wind	2024	12 MW	142	149	24.4	47.8
Liberty Wind	2025-2030	12 MW	100	139	32.1	43.3
Beacon Wind	2025-2030	12 MW	131	157	20.4	43.2
Bay State Wind	2025-2030	12 MW	130	185	18.1	43.3

Key Observation Point Context



Key Observation Point Location



Revolution Wind

Powered by Ørsted & Eversource

Appendix A: Revolution Wind Cumulative Visual Simulations

NI10: Madaket Beach, Nantucket, Massachusetts

Visual Simulation: Full Lease Build-out Excluding 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 exactly 1" long on the printed panorama

Environmental Data

Date Taken: 9/12/2021
Time: 10:50 AM
Temperature: 76°F
Humidity: 74%
Visibility: >10 miles
Wind Direction: South-Southwest
Wind Speed: 17 mph
Conditions Observed: Fair

Camera Information

Camera: Canon EOS 5D Mark IV
Resolution: 30.4 Megapixels
Lens Focal Length: 50 mm
Camera Height: 15.4 feet AMSL

Key Observation Point Information

County: Nantucket
Town: Nantucket
State: Massachusetts
Location: Nantucket
Latitude, Longitude: 41.27401° N, 70.21141° W
Direction of View (Center): South-Southwest (212.3°)
Field of View: 124° x 55°

Visual Resources

Landscape Similarity Zone: Shoreline Beach
User Group: Local Resident, Tourist/Vacationers
Aesthetic Resource: Madaket Beach, Nantucket National Historic Landmark

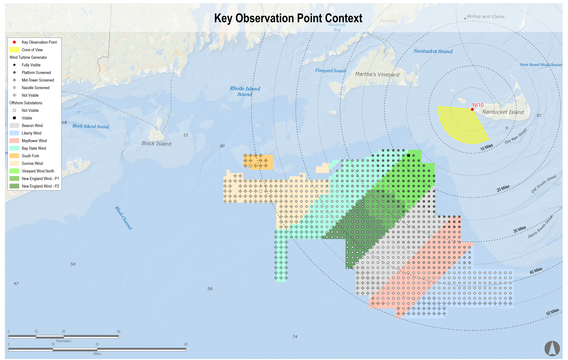
Notes:

- 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 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.

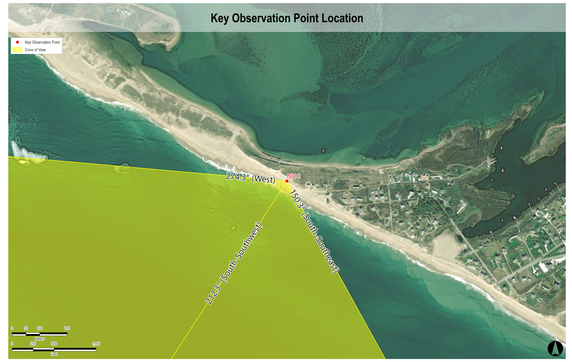
Reasonably Foreseeable Projects Represented in Visual Simulation

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	0	13	NA	NA
Vineyard Wind North	2023	14 MW	69	69	16.8	27.5
New England Wind Phase 1	2024	16 MW	41	41	26.5	32.7
New England Wind Phase 2	2024	19 MW	79	79	31.6	45.5
Sunrise Wind	2024	15 MW	46	123	36.5	45.9
Mayflower Wind	2024	12 MW	142	149	24.4	47.8
Liberty Wind	2025-2030	12 MW	100	139	32.1	43.3
Beacon Wind	2025-2030	12 MW	131	157	20.4	43.2
Bay State Wind	2025-2030	12 MW	130	185	18.1	43.3

Key Observation Point Context



Key Observation Point Location



Revolution Wind | Powered by Ørsted & Eversource

Appendix A: Revolution Wind Cumulative Visual Simulations

NI10: Madaket Beach, Nantucket, 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.

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

Environmental Data
Date Taken: 9/12/2021
Time: 10:50 AM
Temperature: 76°F
Humidity: 74%
Visibility: >10 miles
Wind Direction: South-Southwest
Wind Speed: 17 mph
Conditions Observed: Fair

Key Observation Point Information
County: Nantucket
Town: Nantucket
State: Massachusetts
Location: Nantucket
Latitude, Longitude: 41.27401° N, 70.21141° W
Direction of View (Center): South-Southwest (212.3°)
Field of View: 124° x 55°

Camera Information
Camera: Canon EOS 5D Mark IV
Resolution: 30.4 Megapixels
Lens Focal Length: 50 mm
Camera Height: 15.4 feet AMSL

Visual Resources
Landscape Similarity Zone: Shoreline Beach
User Group: Local Resident, Tourist/Vacationers
Aesthetic Resource: Madaket Beach, Nantucket National Historic Landmark

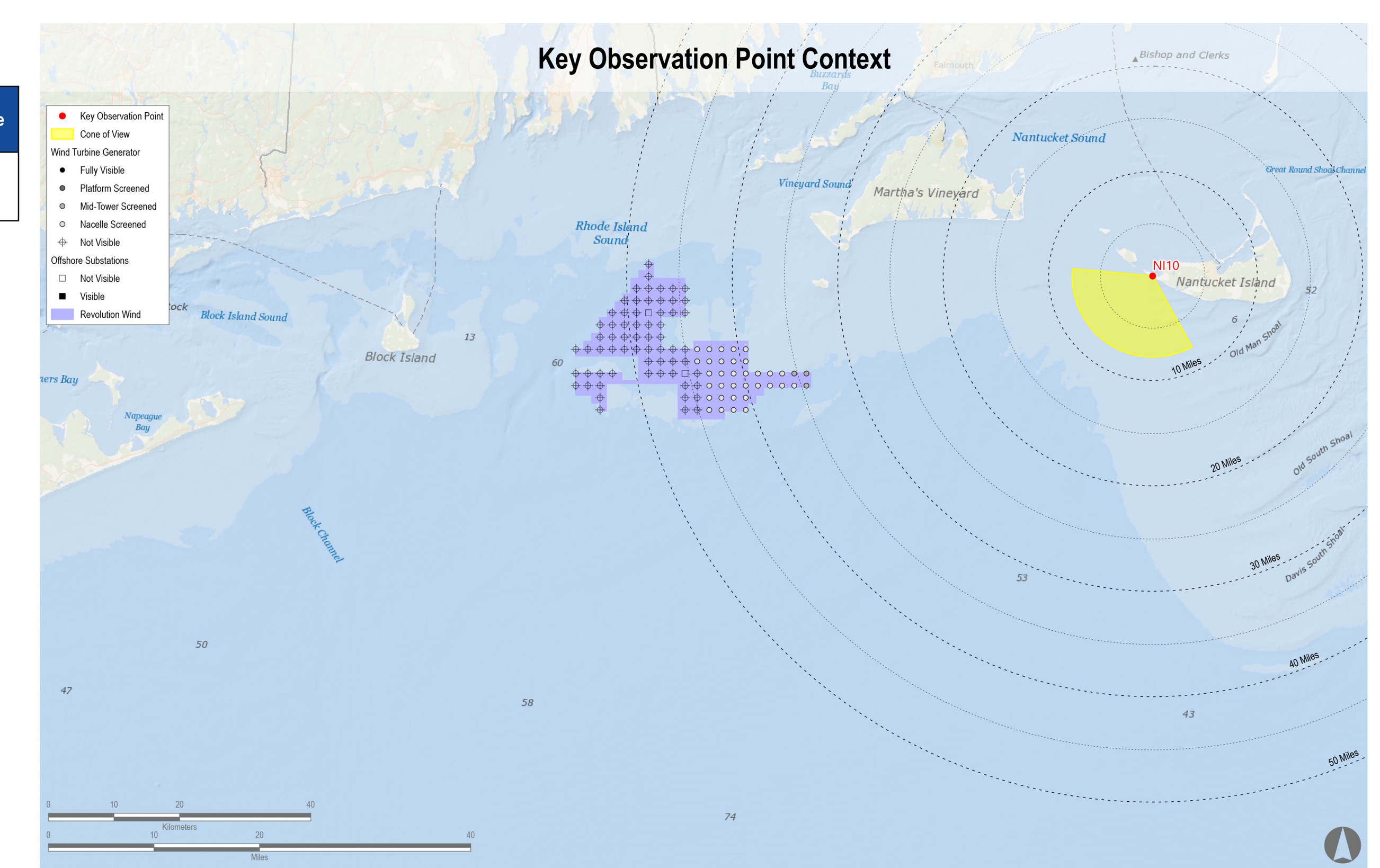
Notes:

- 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 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)
Revolution Wind	2023	12 MW	36	102	34.1	43.9

Key Observation Point Context



Key Observation Point Location