Revolution Wind | Powered by Ørsted & Eversource

Appendix A: Revolution Wind Cumulative Visual Simulations

MV07 Sunset: Aquinnah Overlook, Aquinnah, 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: 9/11/2021
Time: 6:34 PM
Temperature: 67°F
Humidity: 73%
Visibility: >10 miles
Wind Direction: West-Southwest
Wind Speed: 7 mph
Conditions Observed: Partly Cloudy

Camera Information

Camera: Canon EOS 5D Mark IV
Resolution: 30.4 Megapixels
Lens Focal Length: 50 mm
Camera Height: 145.5 feet AMSL

Key Observation Point Information

County: Dukes
Town: Aquinnah
State: Massachusetts
Location: Martha's Vineyard
Latitude, Longitude: 41.34731° N, 70.83692° W
Direction of View (Center): South-Southwest (194.1°)
Field of View: 124° x 55°

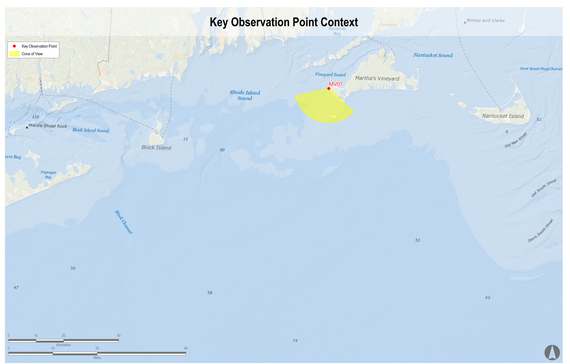
Visual Resources

Landscape Similarity Zone: Coastal Bluff
User Group: Local Resident, Tourist/Vacationers
Aesthetic Resource: Gay Head Aquinnah Shops Area State Historic Area, Gay Head West Tisbury Unit State Scenic Area, Gay Head Cliffs National Natural Landmark

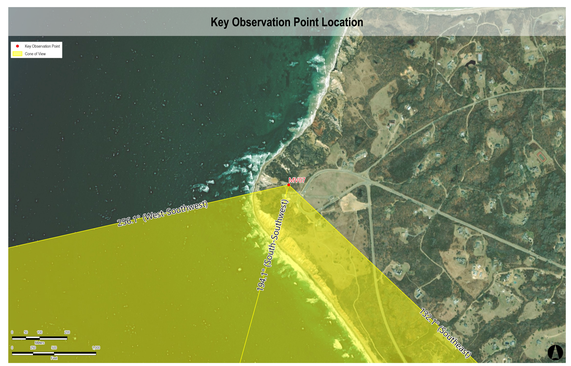
Notes:

- 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.

Key Observation Point Context



Key Observation Point Location



Revolution Wind | Powered by Ørsted & Eversource

Appendix A: Revolution Wind Cumulative Visual Simulations

MV07 Sunset: Aquinnah Overlook, Aquinnah, 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: 9/11/2021
Time: 6:34 PM
Temperature: 67°F
Humidity: 73%
Visibility: >10 miles
Wind Direction: West-Southwest
Wind Speed: 7 mph
Conditions Observed: Partly Cloudy

Key Observation Point Information

County: Dukes
Town: Aquinnah
State: Massachusetts
Location: Martha's Vineyard
Latitude, Longitude: 41.34731° N, 70.83692° W
Direction of View (Center): South-Southwest (194.1°)
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: 145.5 feet AMSL

Visual Resources

Landscape Similarity Zone: Coastal Bluff
User Group: Local Resident, Tourist/Vacationers
Aesthetic Resource: Gay Head Aquinnah Shops Area State Historic Area, Gay Head West Tisbury Unit State Scenic Area, Gay Head Cliffs National Natural Landmark

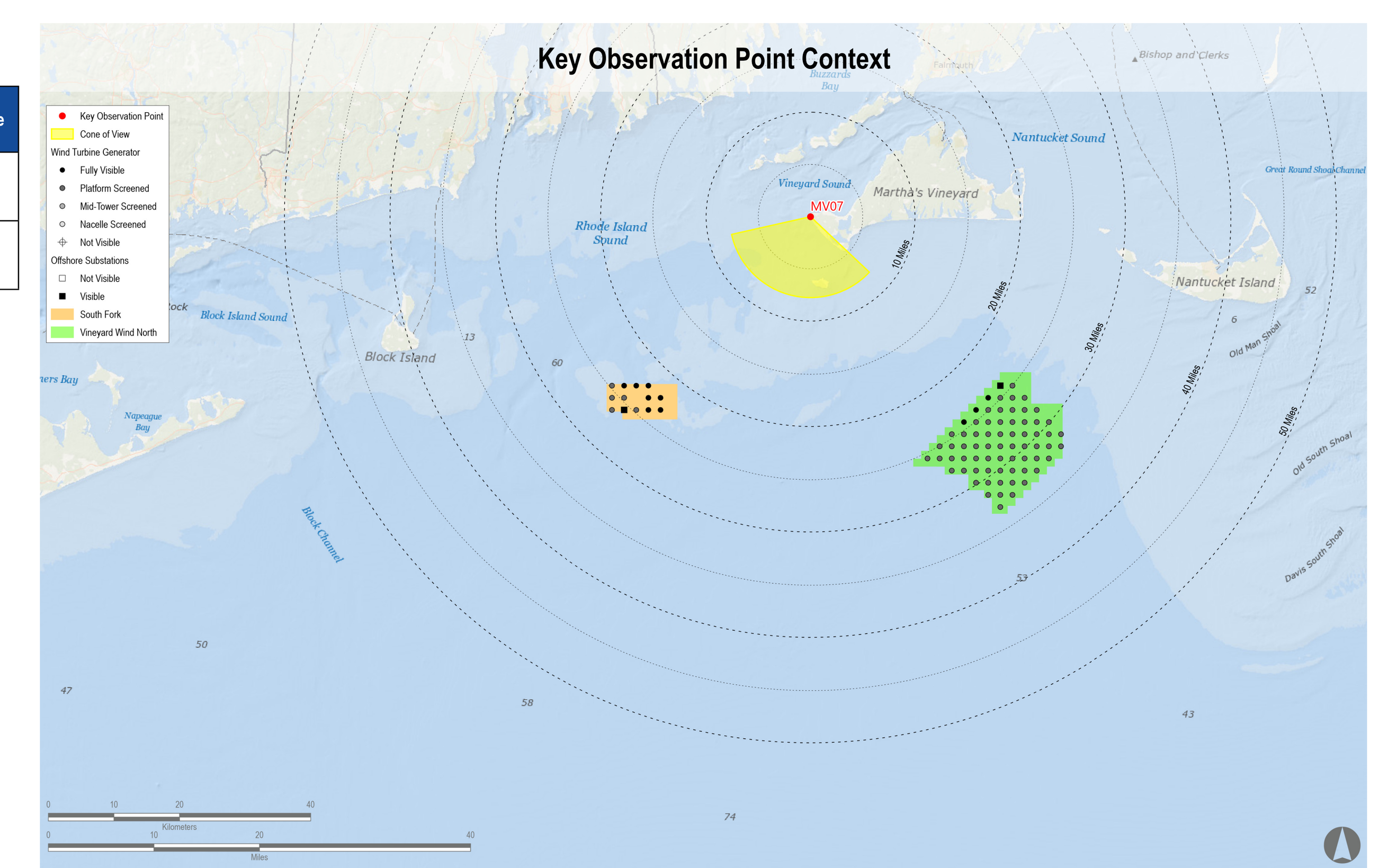
Notes:

- 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.

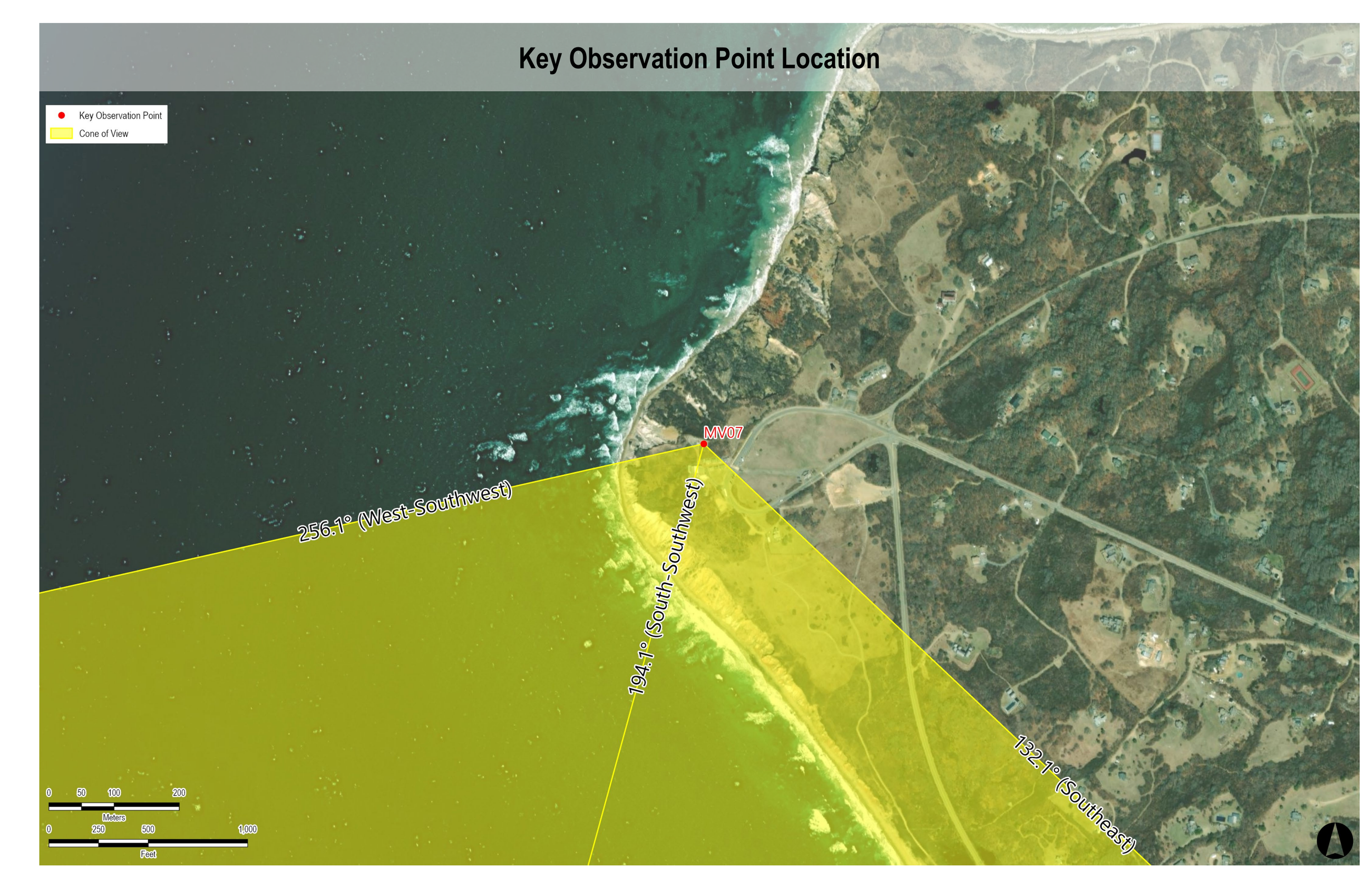
Reasonably Foreseeable Projects Represented in Visual Simulation

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	13	13	22.2	26.3
Vineyard Wind North	2023	14 MW	69	69	24.0	32.9

Key Observation Point Context



Key Observation Point Location



Revolution Wind | Powered by Ørsted & Eversource

Appendix A: Revolution Wind Cumulative Visual Simulations

MV07 Sunset: Aquinnah Overlook, Aquinnah, 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: 9/11/2021
Time: 6:34 PM
Temperature: 67°F
Humidity: 73%
Visibility: >10 miles
Wind Direction: West-Southwest
Wind Speed: 7 mph
Conditions Observed: Partly Cloudy

Camera Information

Camera: Canon EOS 5D Mark IV
Resolution: 30.4 Megapixels
Lens Focal Length: 50 mm
Camera Height: 145.5 feet AMSL

Key Observation Point Information

County: Dukes
Town: Aquinnah
State: Massachusetts
Location: Martha's Vineyard
Latitude, Longitude: 41.34731° N, 70.83692° W
Direction of View (Center): South-Southwest (194.1°)
Field of View: 124° x 55°

Visual Resources

Landscape Similarity Zone: Coastal Bluff
User Group: Local Resident, Tourist/Vacationers
Aesthetic Resource: Gay Head Aquinnah Shops Area State Historic Area, Gay Head West Tisbury Unit State Scenic Area, Gay Head Cliffs National Natural Landmark

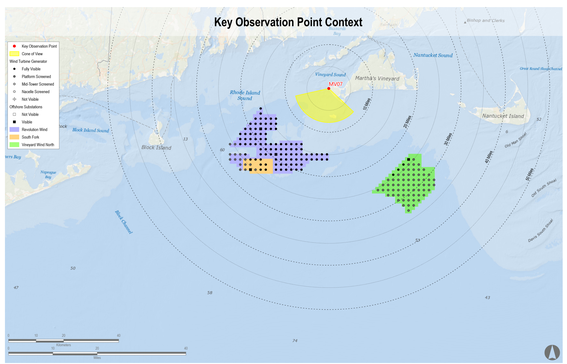
Notes:

- 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.

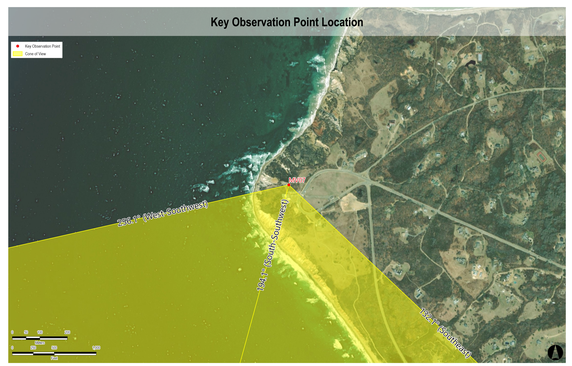
Reasonably Foreseeable Projects Represented in Visual Simulation

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	13	13	22.2	26.3
Vineyard Wind North	2023	14 MW	69	69	24.0	32.9
Revolution Wind	2023	12 MW	102	102	13.7	27.4

Key Observation Point Context



Key Observation Point Location



Revolution Wind | Powered by Ørsted & Eversource

Appendix A: Revolution Wind Cumulative Visual Simulations

MV07 Sunset: Aquinnah Overlook, Aquinnah, 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: 9/11/2021
Time: 6:34 PM
Temperature: 67°F
Humidity: 73%
Visibility: >10 miles
Wind Direction: West-Southwest
Wind Speed: 7 mph
Conditions Observed: Partly Cloudy

Camera Information

Camera: Canon EOS 5D Mark IV
Resolution: 30.4 Megapixels
Lens Focal Length: 50 mm
Camera Height: 145.5 feet AMSL

Key Observation Point Information

County: Dukes
Town: Aquinnah
State: Massachusetts
Location: Martha's Vineyard
Latitude, Longitude: 41.34731° N, 70.83692° W
Direction of View (Center): South-Southwest (194.1°)
Field of View: 124° x 55°

Visual Resources

Landscape Similarity Zone: Coastal Bluff
User Group: Local Resident, Tourist/Vacationers
Aesthetic Resource: Gay Head Aquinnah Shops Area State Historic Area, Gay Head West Tisbury Unit State Scenic Area, Gay Head Cliffs National Natural Landmark

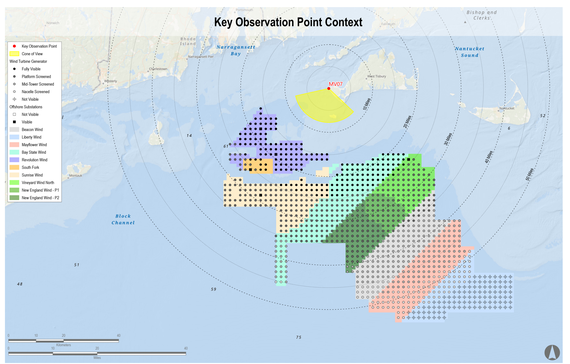
Notes:

- 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.

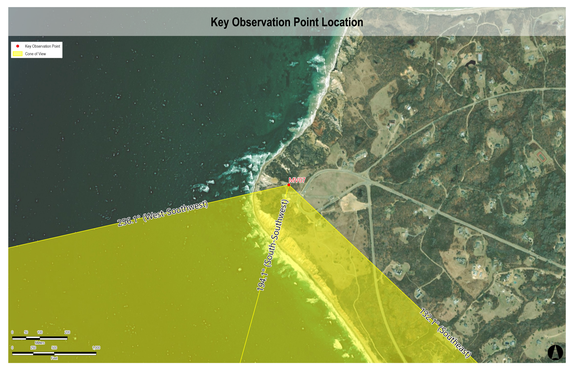
Reasonably Foreseeable Projects Represented in Visual Simulation

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	13	13	22.2	26.3
Vineyard Wind North	2023	14 MW	69	69	24.0	32.9
Revolution Wind	2023	12 MW	102	102	13.7	27.4
New England Wind Phase 1	2024	16 MW	41	41	26.1	34.8
New England Wind Phase 2	2024	19 MW	79	79	26.4	41.6
Sunrise Wind	2024	15 MW	123	123	21.6	35.3
Mayflower Wind	2024	12 MW	149	149	41.1	54.4
Liberty Wind	2025-2030	12 MW	35	139	48.7	53.5
Beacon Wind	2025-2030	12 MW	157	157	33.0	48.2
Bay State Wind	2025-2030	12 MW	185	185	17.5	45.3

Key Observation Point Context



Key Observation Point Location



Revolution Wind | Powered by Ørsted & Eversource

Appendix A: Revolution Wind Cumulative Visual Simulations

MV07 Sunset: Aquinnah Overlook, Aquinnah, 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: 9/11/2021
Time: 6:34 PM
Temperature: 67°F
Humidity: 73%
Visibility: >10 miles
Wind Direction: West-Southwest
Wind Speed: 7 mph
Conditions Observed: Partly Cloudy

Key Observation Point Information

County: Dukes
Town: Aquinnah
State: Massachusetts
Location: Martha's Vineyard
Latitude, Longitude: 41.34731° N, 70.83692° W
Direction of View (Center): South-Southwest (194.1°)
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: 145.5 feet AMSL

Visual Resources

Landscape Similarity Zone: Coastal Bluff
User Group: Local Resident, Tourist/Vacationers
Aesthetic Resource: Gay Head Aquinnah Shops Area State Historic Area, Gay Head West Tisbury Unit State Scenic Area, Gay Head Cliffs National Natural Landmark

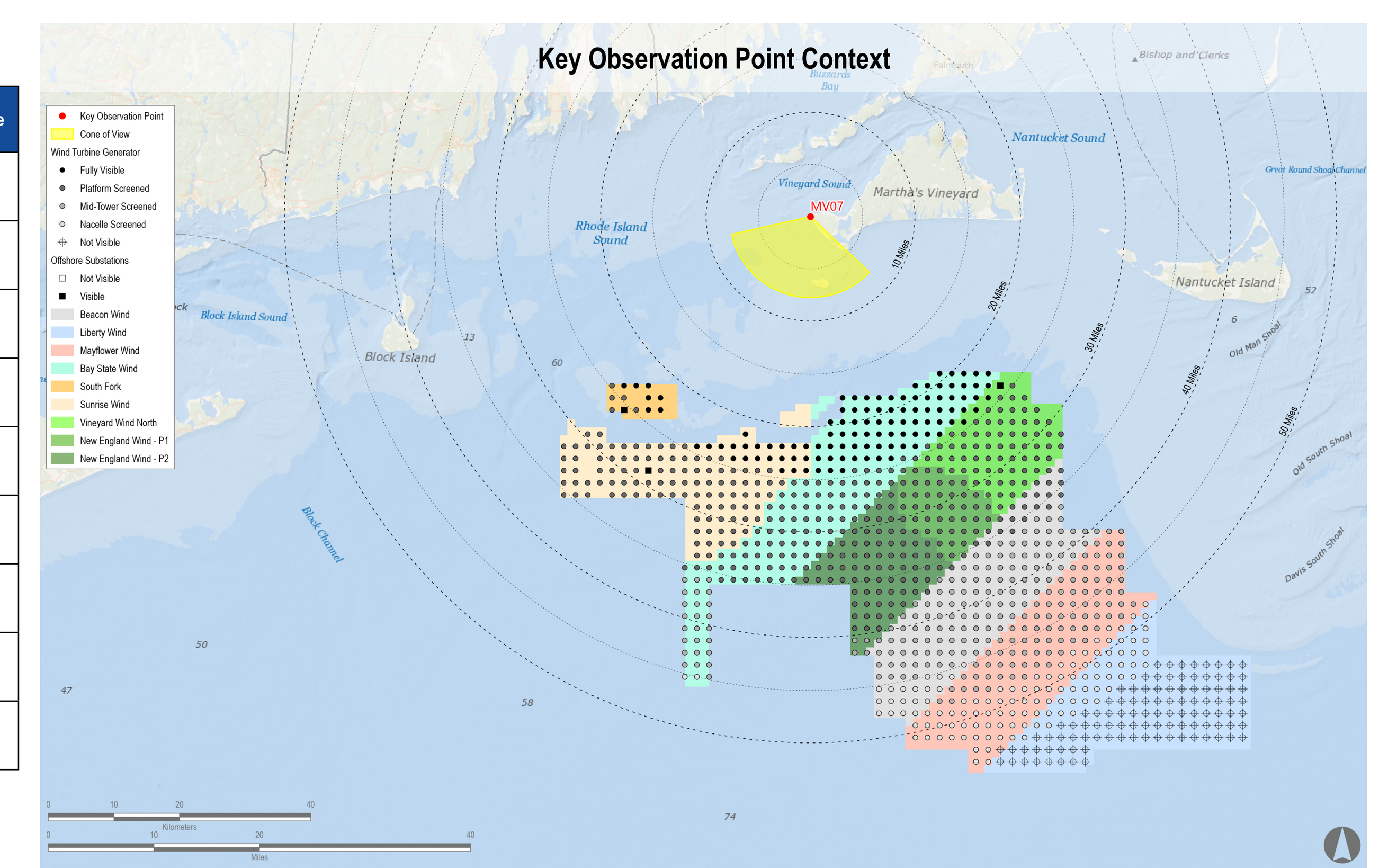
Notes:

- 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.

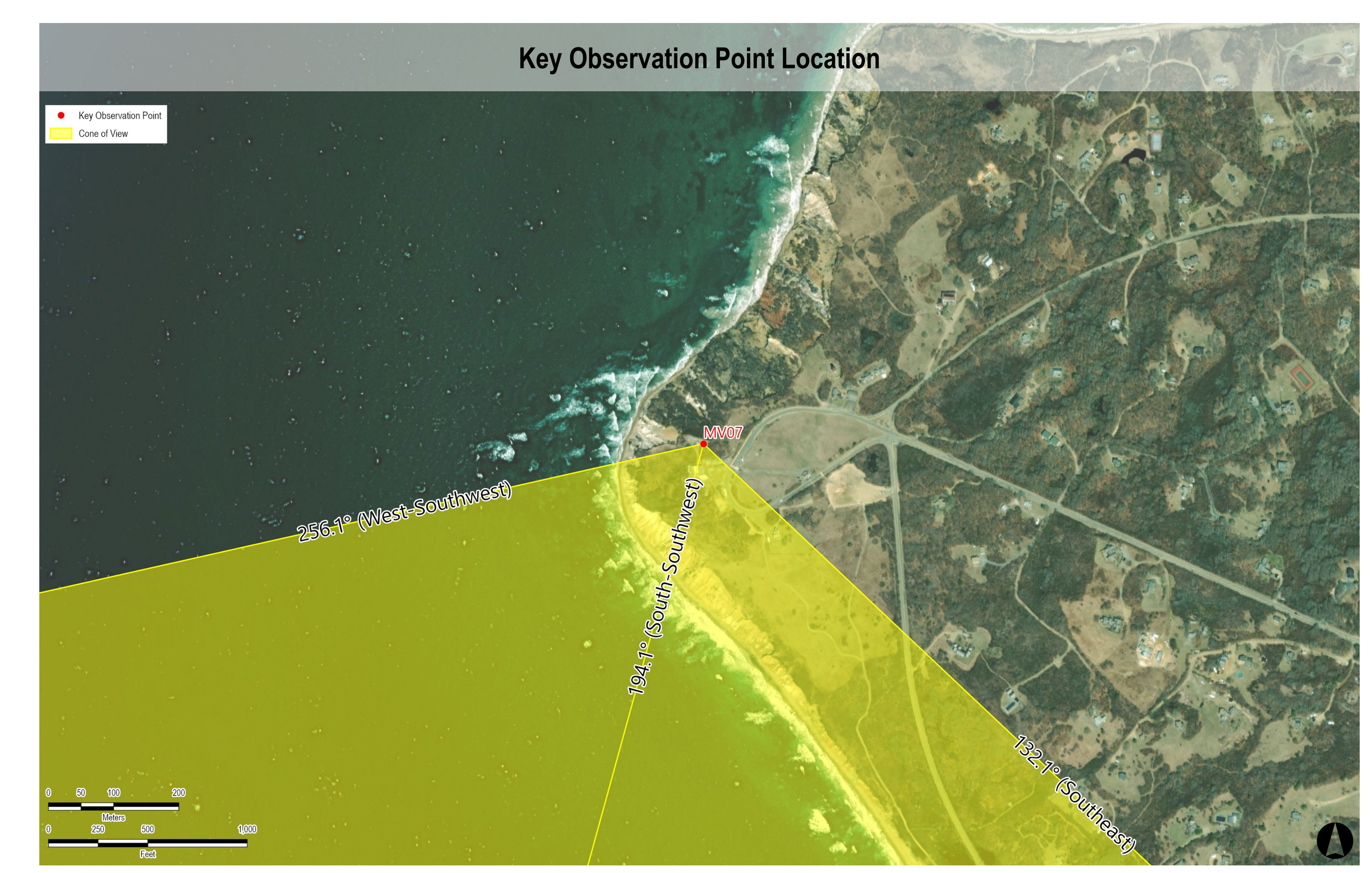
Reasonably Foreseeable Projects Represented in Visual Simulation

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	13	13	22.2	26.3
Vineyard Wind North	2023	14 MW	69	69	24.0	32.9
New England Wind Phase 1	2024	16 MW	41	41	26.1	34.8
New England Wind Phase 2	2024	19 MW	79	79	26.4	41.6
Sunrise Wind	2024	15 MW	123	123	21.6	35.3
Mayflower Wind	2024	12 MW	149	149	41.1	54.4
Liberty Wind	2025-2030	12 MW	35	139	48.7	53.5
Beacon Wind	2025-2030	12 MW	157	157	33.0	48.2
Bay State Wind	2025-2030	12 MW	185	185	17.5	45.3

Key Observation Point Context



Key Observation Point Location



Revolution Wind

Powered by Ørsted & Eversource

Appendix A: Revolution Wind Cumulative Visual Simulations

MV07 Sunset: Aquinnah Overlook, Aquinnah, 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: 9/11/2021
Time: 6:34 PM
Temperature: 67°F
Humidity: 73%
Visibility: >10 miles
Wind Direction: West-Southwest
Wind Speed: 7 mph
Conditions Observed: Partly Cloudy

Key Observation Point Information

County: Dukes
Town: Aquinnah
State: Massachusetts
Location: Martha's Vineyard
Latitude, Longitude: 41.34731° N, 70.83692° W
Direction of View (Center): South-Southwest (194.1°)
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: 145.5 feet AMSL

Visual Resources

Landscape Similarity Zone: Coastal Bluff
User Group: Local Resident, Tourist/Vacationers
Aesthetic Resource: Gay Head Aquinnah Shops Area State Historic Area, Gay Head West Tisbury Unit State Scenic Area, Gay Head Cliffs National Natural Landmark

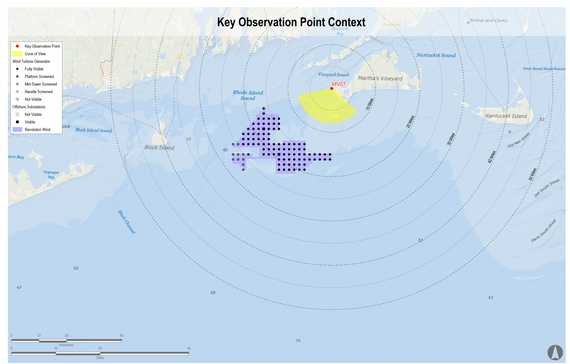
Notes:

- 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	102	102	13.7	27.4

Key Observation Point Context



Key Observation Point Location