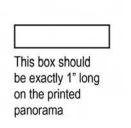


# Powered by Ørsted & Eversource

**Appendix A: Sunrise Wind Cumulative Visual Simulations** 

MV12-A - Open Field: Peaked Hill Reservation, Chilmark, Massachusetts

**Existing Conditions** 



Humidity: 65% Visibility: >10 miles Wind Direction: Southwest Wind Speed: 21 mph Conditions Observed: Cloudy

**Environmental Data** 

Date Taken: 1/12/2022

Time: 11:40 AM

Temperature: 40°F

**Camera Information** Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 304.3 feet AMSL Notes:

- existing light sources.
- 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.

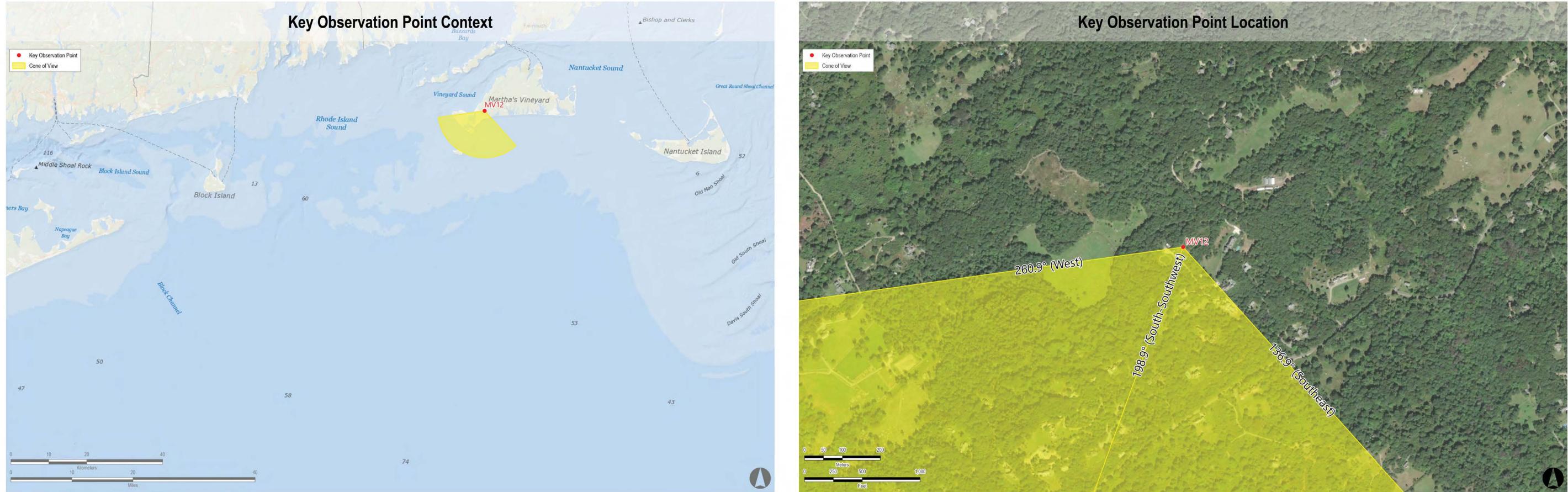
Key Observation Point Information County: Dukes Town: Chilmark State: Massachusetts Location: Martha's Vineyard Latitude, Longitude: 41.35537° N, 70.73474° W Direction of View (Center): South-Southwest (198.9°) Field of View: 124° x 55°

# Visual Resources

Landscape Similarity Zone: Forest User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Identified by the Wampanoag of Gay Head

• 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

• 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





# Powered by Ørsted & Eversource

**Appendix A: Sunrise Wind Cumulative Visual Simulations** 

MV12-A - Open Field: Peaked Hill Reservation, Chilmark, Massachusetts

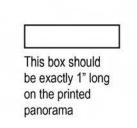
Visual Simulation: 2023 and 2024 Project Construction (Revolution Wind, South Fork Wind, Vineyard Wind North, and New England Wind Phase 1&2)

# **Environmental Data**

Date Taken: 1/12/2022 Time: 11:40 AM Temperature: 40°F Humidity: 65% Visibility: >10 miles Wind Direction: Southwest Wind Speed: 21 mph Conditions Observed: Cloudy

## **Camera Information** Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 304.3 feet AMSL Notes:

- existing light sources.
- WTG, this degree of atmospheric perspective is not applied to the photosimulations. three-dimensional (3D) model of the island.



# Key Observation Point Information County: Dukes

# Town: Chilmark

State: Massachusetts Location: Martha's Vineyard

Latitude, Longitude: 41.35537° N, 70.73474° W **Direction of View (Center):** South-Southwest (198.9°)

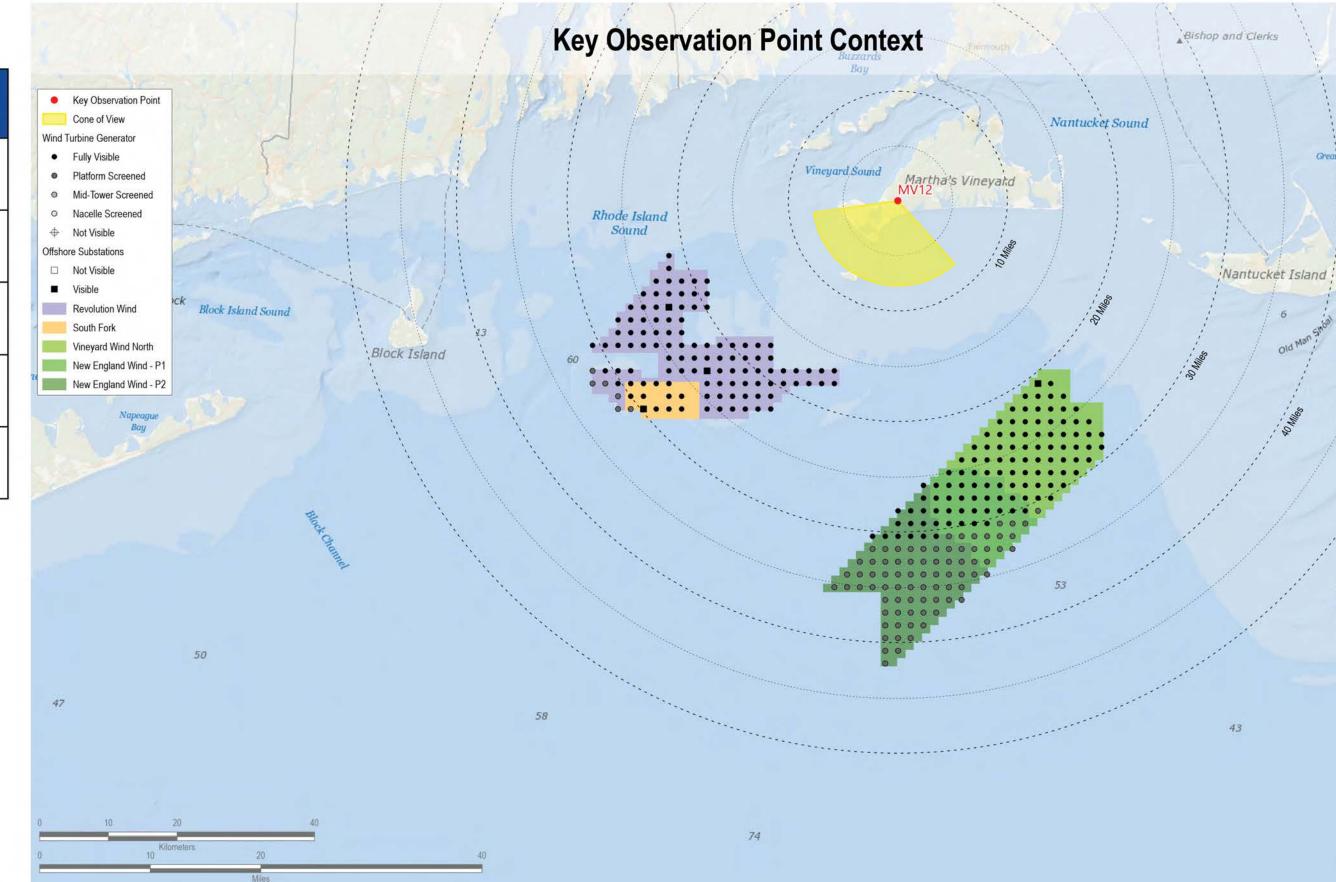
# Field of View: 124° x 55°

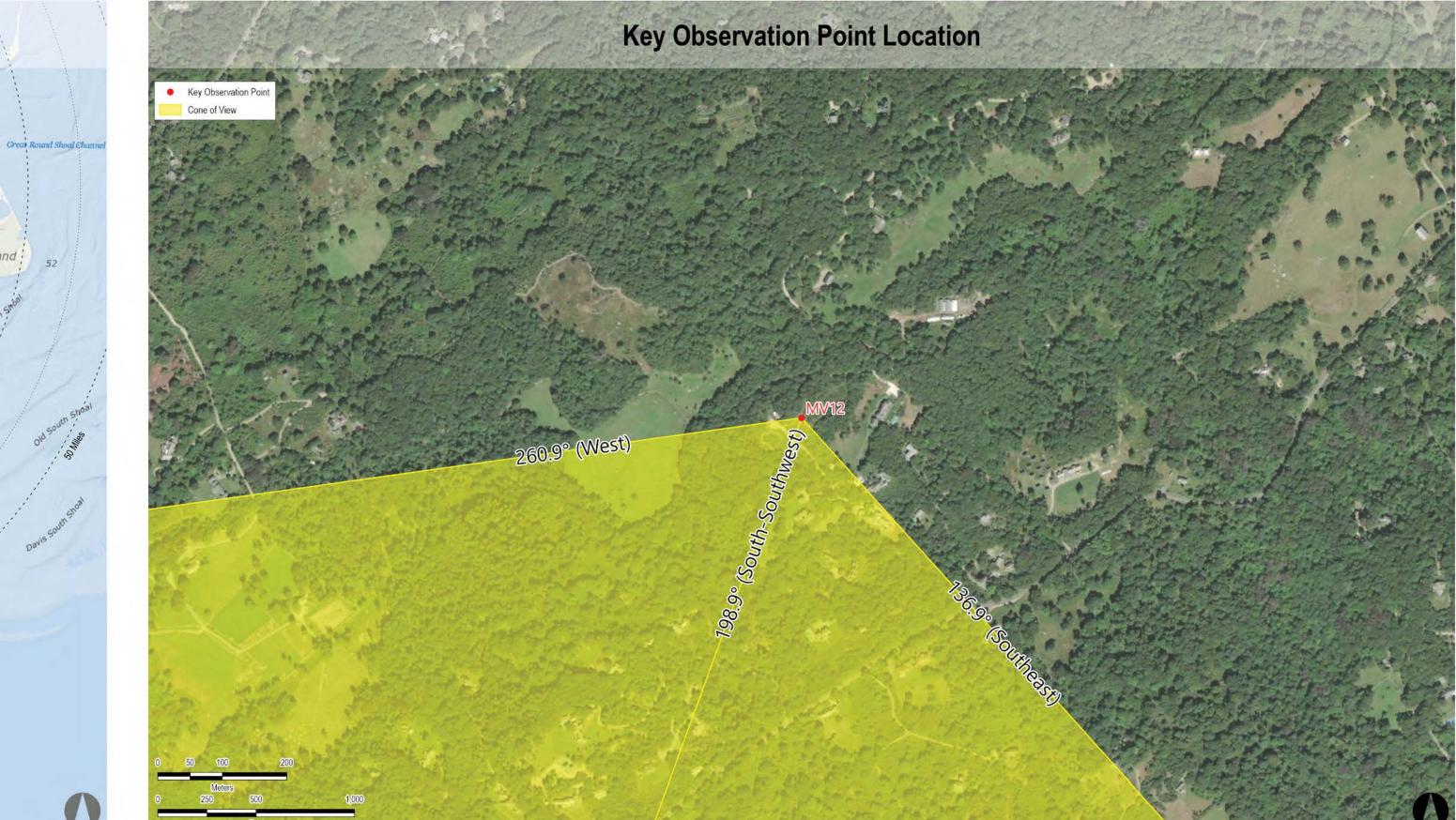
Visual Resources Landscape Similarity Zone: Forest User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Identified by the Wampanoag of Gay Head

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

• 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 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

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	26.3	30.6
Vineyard Wind North	2023	14 MW	69	69	20.8	30.7
Revolution Wind	2023	12 MW	102	102	16.4	32.1
New England Wind Phase 1	2024	16 MW	41	41	25.0	33.6
New England Wind Phase 2	2024	19 MW	79	79	25.8	41.9







# Powered by Ørsted & Eversource

**Appendix A: Sunrise Wind Cumulative Visual Simulations** 

MV12-A - Open Field: Peaked Hill Reservation, Chilmark, Massachusetts

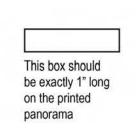
Visual Simulation: 2023 and 2024 Project Construction with Sunrise Wind added (Sunrise Wind, Revolution Wind, South Fork Wind, Vineyard Wind North, and New England Wind Phase 1&2)

# **Environmental Data**

Date Taken: 1/12/2022 Time: 11:40 AM Temperature: 40°F Humidity: 65% Visibility: >10 miles Wind Direction: Southwest Wind Speed: 21 mph Conditions Observed: Cloudy

## **Camera Information** Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 304.3 feet AMSL Notes:

- 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
- WTG, this degree of atmospheric perspective is not applied to the photosimulations. three-dimensional (3D) model of the island.



# Key Observation Point Information County: Dukes

Town: Chilmark

# State: Massachusetts

Location: Martha's Vineyard Latitude, Longitude: 41.35537° N, 70.73474° W **Direction of View (Center):** South-Southwest (198.9°) Field of View: 124° x 55°

# Visual Resources

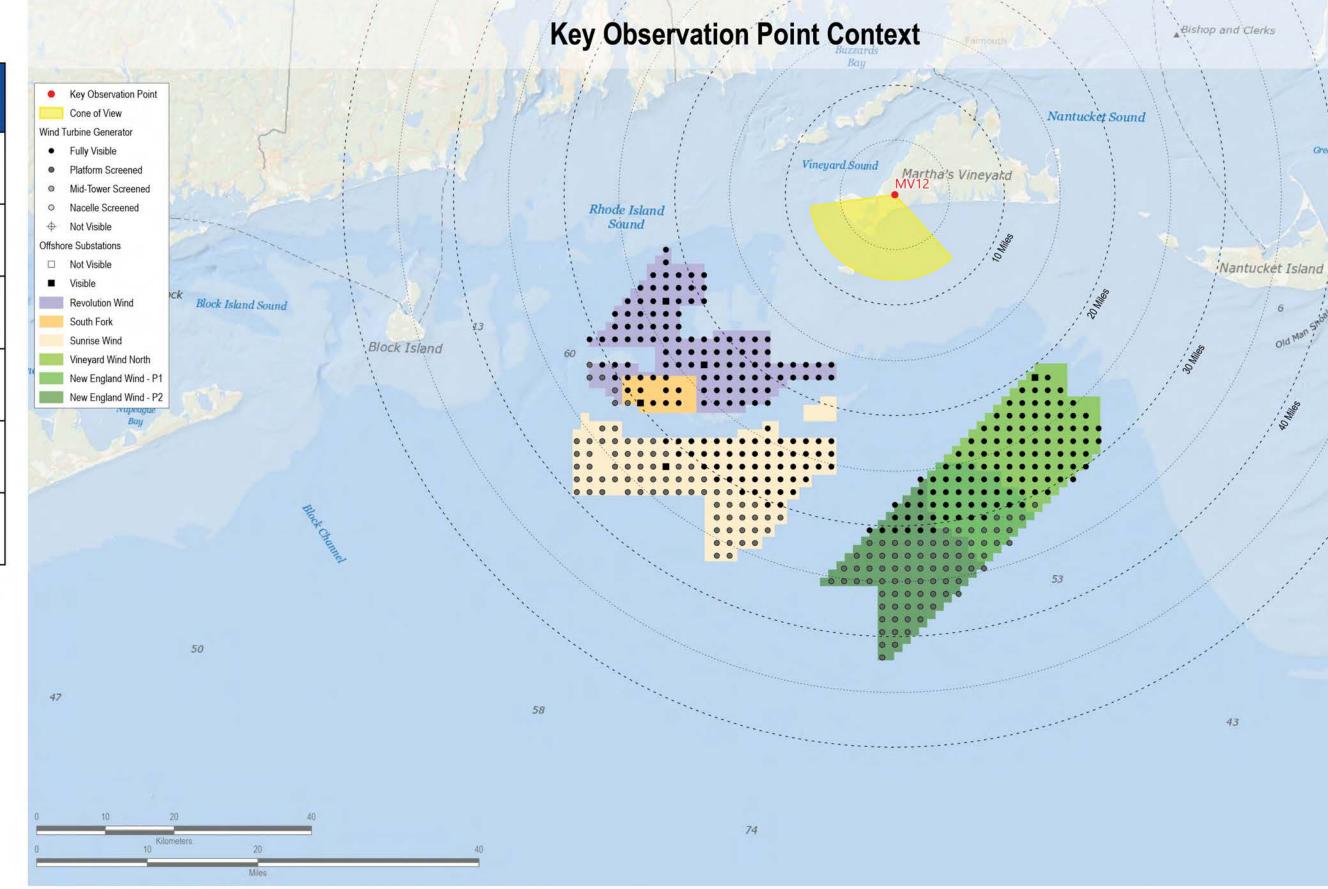
Landscape Similarity Zone: Forest User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Identified by the Wampanoag of Gay Head

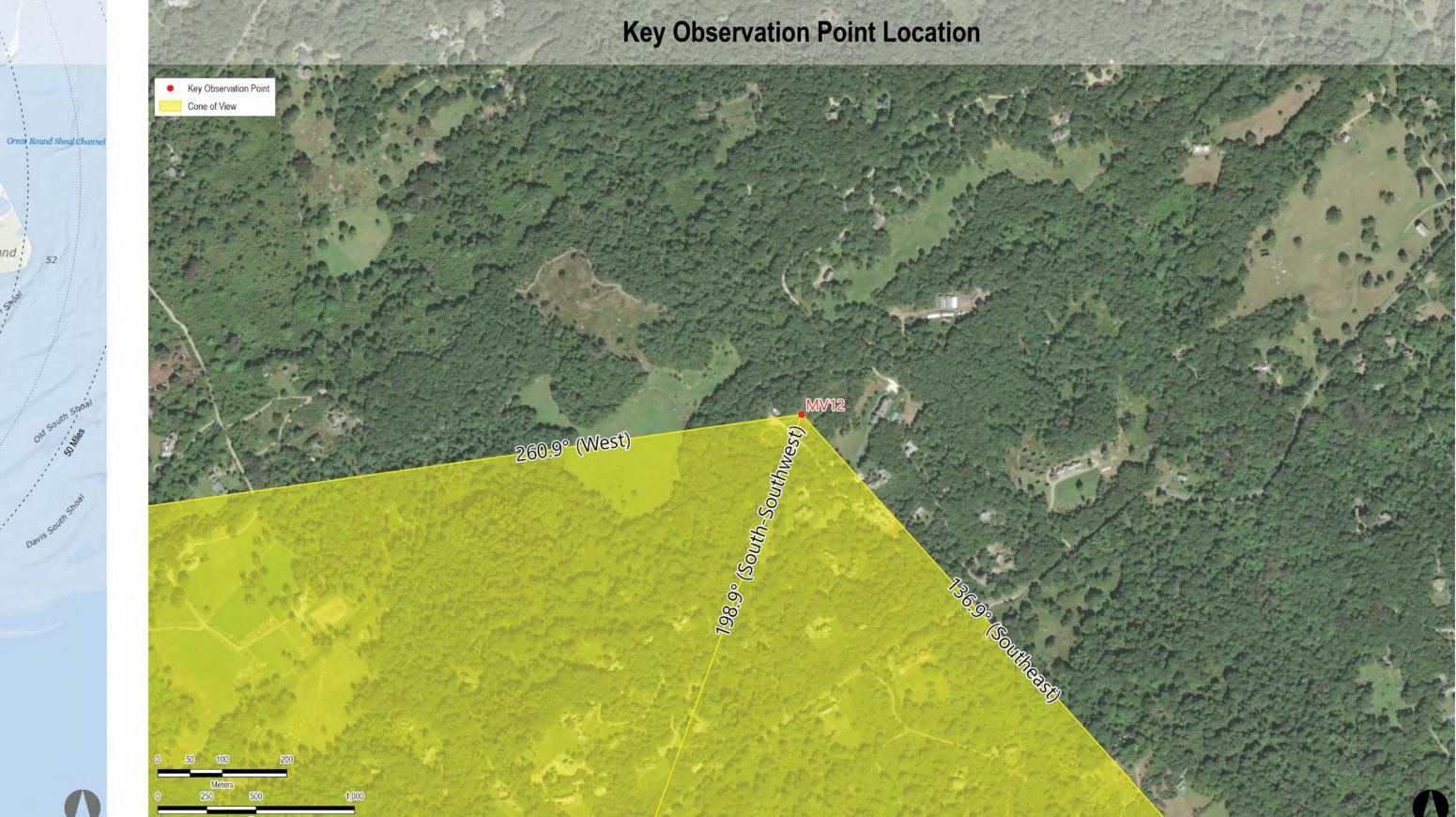
• Photosimulation Size: 64" in width by 29.3" in height. Images should be viewed from 15 inches in order to obtain the proper perspective. • The potential number of WTGs and OSSs screened from view was calculated using a curvature of the earth model based on the distance, viewer height, and maximum structure 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

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	26.3	30.6
Vineyard Wind North	2023	14 MW	69	69	20.8	30.7
Revolution Wind	2023	12 MW	102	102	16.4	32.1
New England Wind Phase 1	2024	16 MW	41	41	25.0	33.6
New England Wind Phase 2	2024	19 MW	79	79	25.8	41.9
Sunrise Wind	2024	15 MW	123	123	23.0	39.3

perspective commonly occurring on clear days such as the conditions illustrated in this photosimulation. In order to illustrate maximum potential visibility of the proposed 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







# Powered by Ørsted & Eversource

**Appendix A: Sunrise Wind Cumulative Visual Simulations** 

MV12-A - Open Field: Peaked Hill Reservation, Chilmark, Massachusetts Visual Simulation: Full Lease Build-out Including Sunrise Wind

# **Environmental Data**

Date Taken: 1/12/2022 Time: 11:40 AM Temperature: 40°F Humidity: 65% Visibility: >10 miles Wind Direction: Southwest Wind Speed: 21 mph Conditions Observed: Cloudy

**Camera Information** Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 304.3 feet AMSL Notes:

- existing light sources.
- WTG, this degree of atmospheric perspective is not applied to the photosimulations. three-dimensional (3D) model of the island.



Key Observation	Point	Information	
County: Dukes			

## Town: Chilmark State: Massachusetts

Location: Martha's Vineyard Latitude, Longitude: 41.35537° N, 70.73474° W Direction of View (Center): South-Southwest (198.9°) Field of View: 124° x 55°

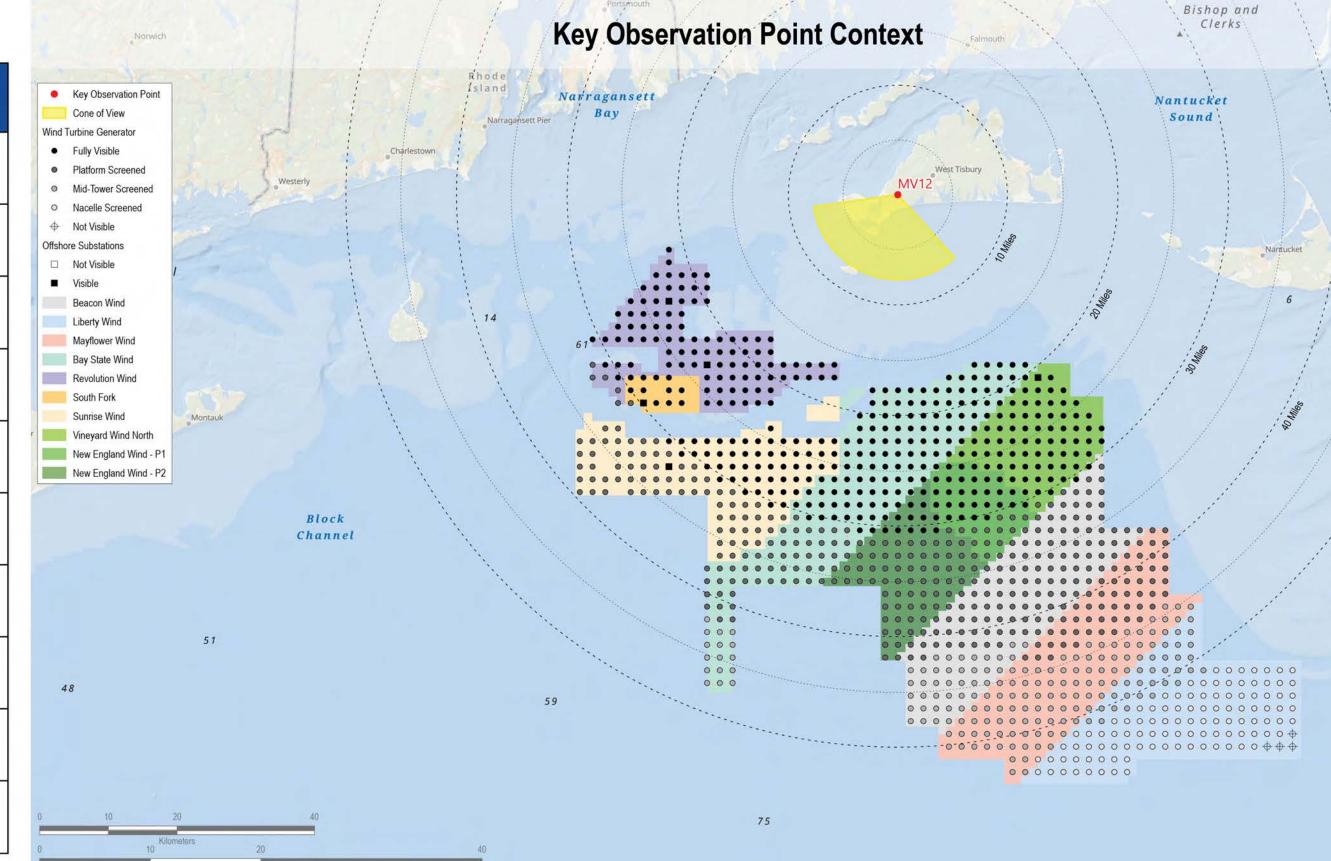
# Visual Resources

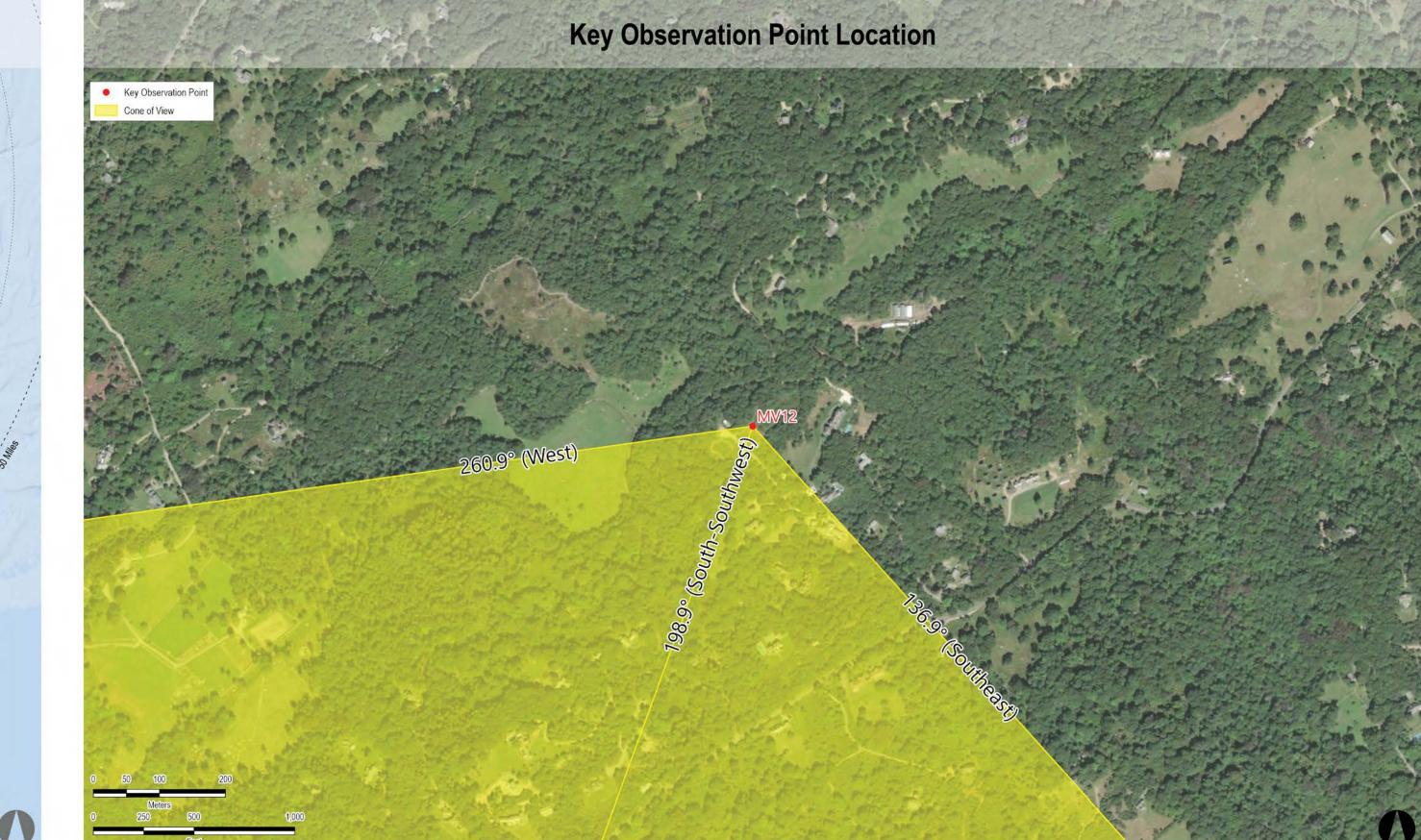
Landscape Similarity Zone: Forest User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Identified by the Wampanoag of Gay Head

• 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

• 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 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

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	26.3	30.6
Vineyard Wind North	2023	14 MW	69	69	20.8	30.7
Revolution Wind	2023	12 MW	102	102	16.4	32.1
New England Wind Phase 1	2024	16 MW	41	41	25.0	33.6
New England Wind Phase 2	2024	19 MW	79	79	25.8	41.9
Sunrise Wind	2024	15 MW	123	123	23.0	39.3
Mayflower Wind	2024	12 MW	149	149	38.1	53.5
Liberty Wind	2025-2030	12 MW	135	139	46.0	61.3
Beacon Wind	2025-2030	12 MW	157	157	30.0	47.8
Bay State Wind	2025-2030	12 MW	185	185	16.8	47.4







# Powered by Ørsted & Eversource

**Appendix A: Sunrise Wind Cumulative Visual Simulations** 

MV12-A - Open Field: Peaked Hill Reservation, Chilmark, Massachusetts Visual Simulation: Full Lease Build-out Excluding Sunrise Wind

# **Environmental Data**

Date Taken: 1/12/2022 Time: 11:40 AM Temperature: 40°F Humidity: 65% Visibility: >10 miles Wind Direction: Southwest Wind Speed: 21 mph Conditions Observed: Cloudy

**Camera Information** Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 304.3 feet AMSL Notes:

- 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 WTG, this degree of atmospheric perspective is not applied to the photosimulations. three-dimensional (3D) model of the island.



Key Observation	Point	Information
County: Dukes		

## Town: Chilmark State: Massachusetts

Location: Martha's Vineyard Latitude, Longitude: 41.35537° N, 70.73474° W Direction of View (Center): South-Southwest (198.9°) Field of View: 124° x 55°

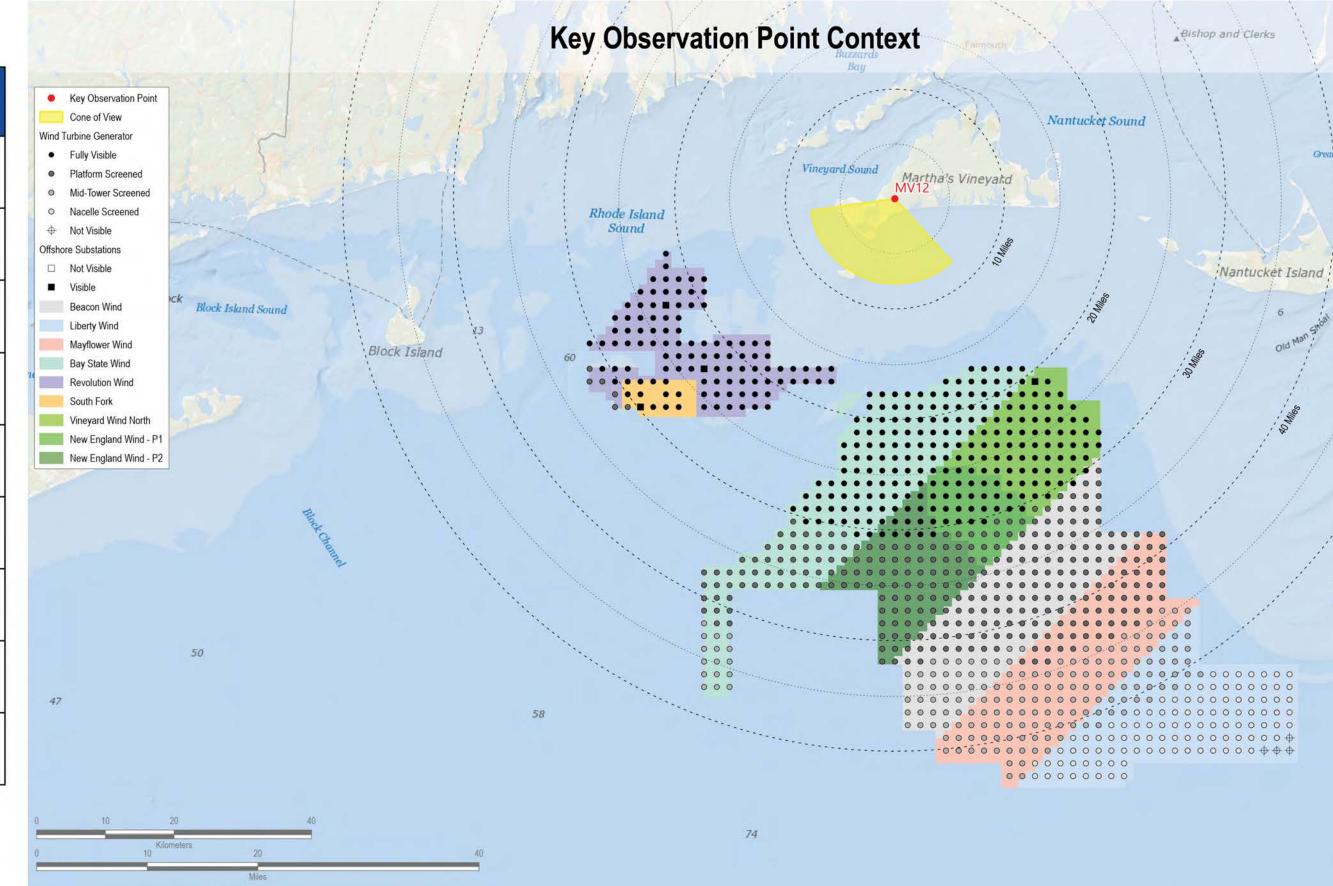
# Visual Resources

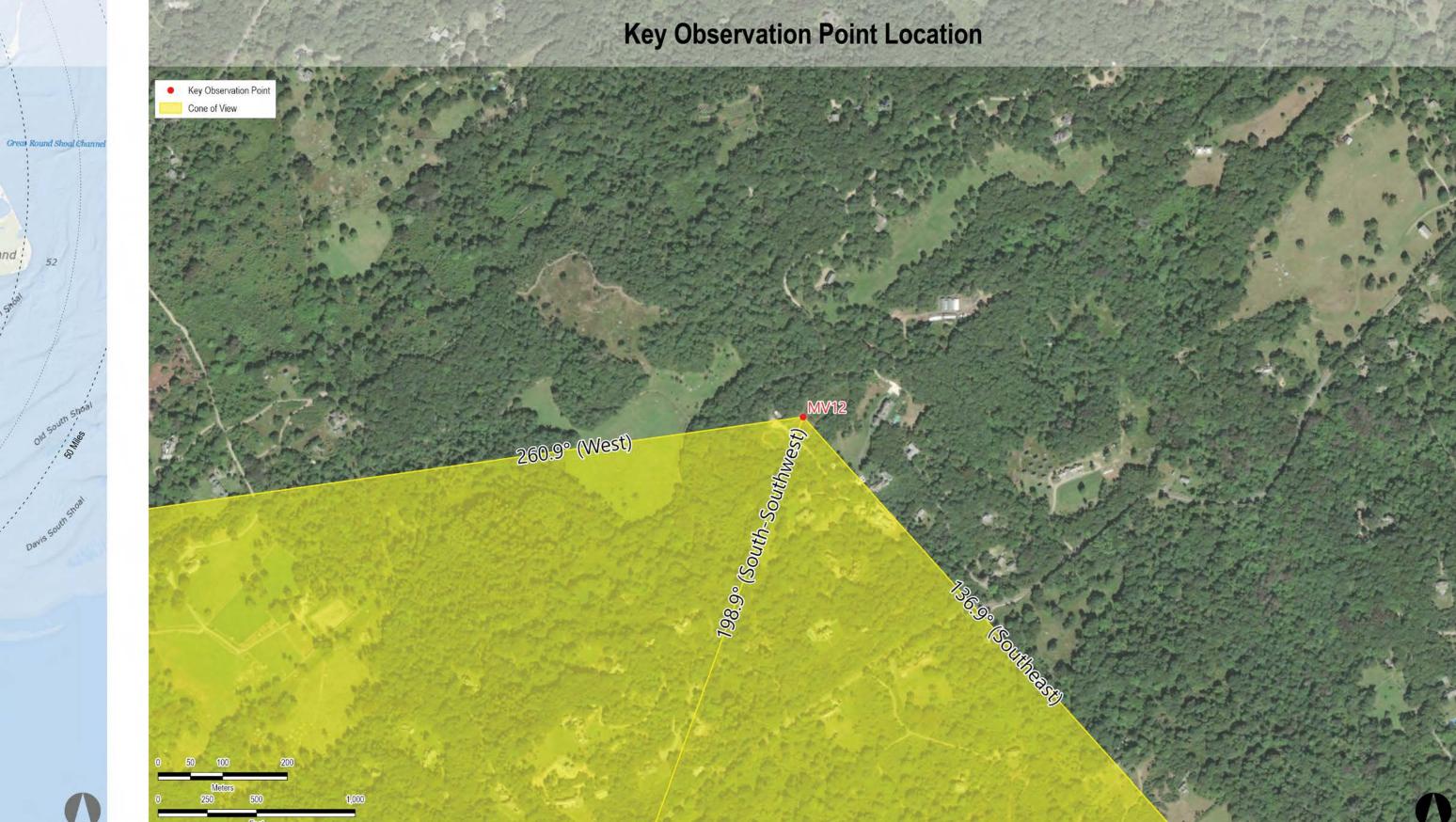
Landscape Similarity Zone: Forest User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Identified by the Wampanoag of Gay Head

• 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

perspective commonly occurring on clear days such as the conditions illustrated in this photosimulation. In order to illustrate maximum potential visibility of the proposed 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

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	26.3	30.6
Vineyard Wind North	2023	14 MW	69	69	20.8	30.7
Revolution Wind	2023	12 MW	102	102	16.4	32.1
New England Wind Phase 1	2024	16 MW	41	41	25.0	33.6
New England Wind Phase 2	2024	19 MW	79	79	25.8	41.9
Mayflower Wind	2024	12 MW	149	149	38.1	53.5
Liberty Wind	2025-2030	12 MW	135	139	46.0	61.3
Beacon Wind	2025-2030	12 MW	157	157	30.0	47.8
Bay State Wind	2025-2030	12 MW	185	185	16.8	47.4





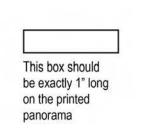


# Powered by Ørsted & Eversource

**Appendix A: Sunrise Wind Cumulative Visual Simulations** 

MV12-A - Open Field: Peaked Hill Reservation, Chilmark, Massachusetts

Visual Simulation: Sunrise Wind Without Other Foreseeable Future Changes



# **Environmental Data** Date Taken: 1/12/2022 Time: 11:40 AM

Temperature: 40°F Humidity: 65% Visibility: >10 miles Wind Direction: Southwest Wind Speed: 21 mph Conditions Observed: Cloudy

# **Camera Information**

Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 304.3 feet AMSL Notes:

- 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 WTG, this degree of atmospheric perspective is not applied to the photosimulations. three-dimensional (3D) model of the island.

# Key Observation Point Information

## County: Dukes Town: Chilmark

State: Massachusetts Location: Martha's Vineyard Latitude, Longitude: 41.35537° N, 70.73474° W Direction of View (Center): South-Southwest (198.9°) Field of View: 124° x 55°

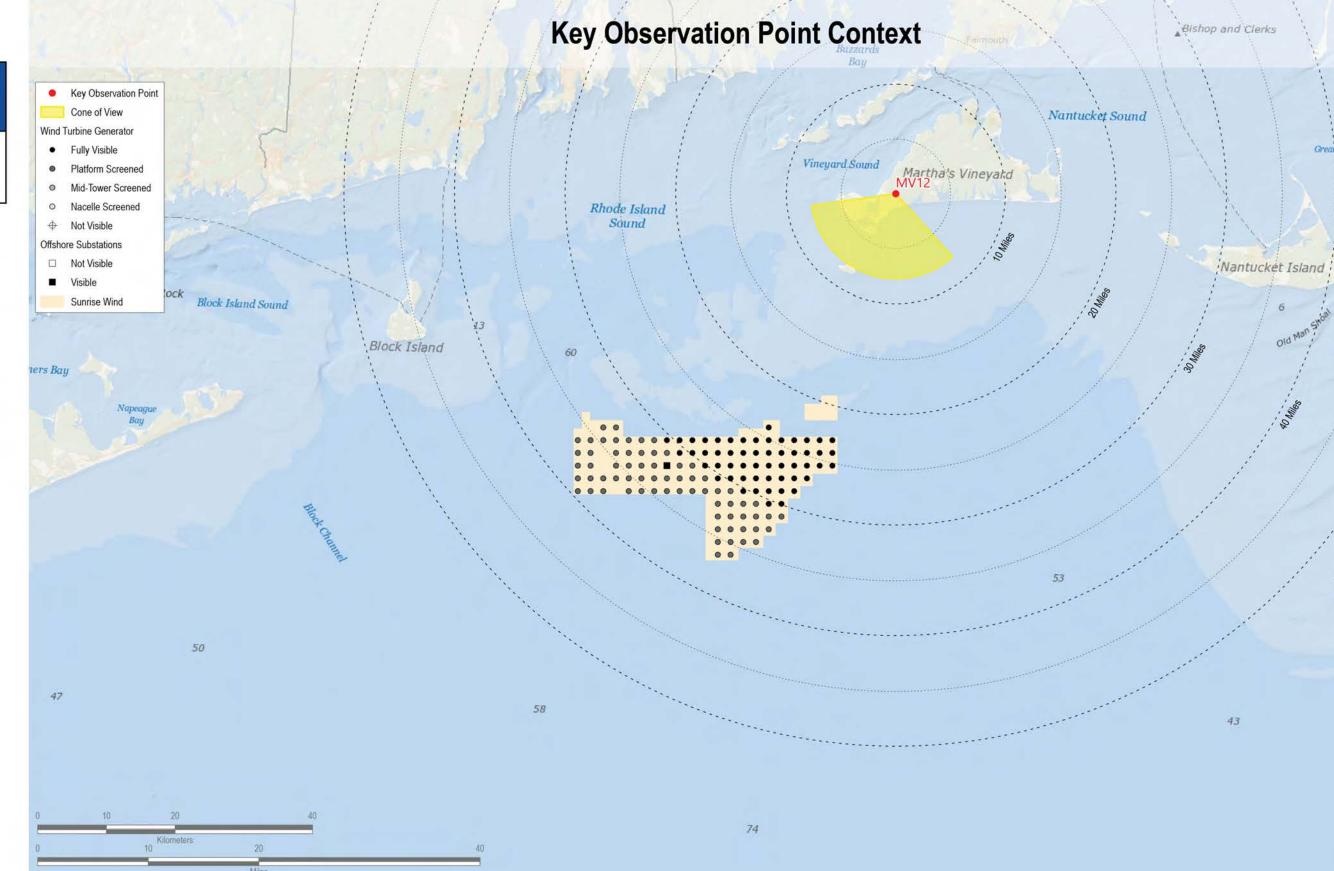
# Visual Resources

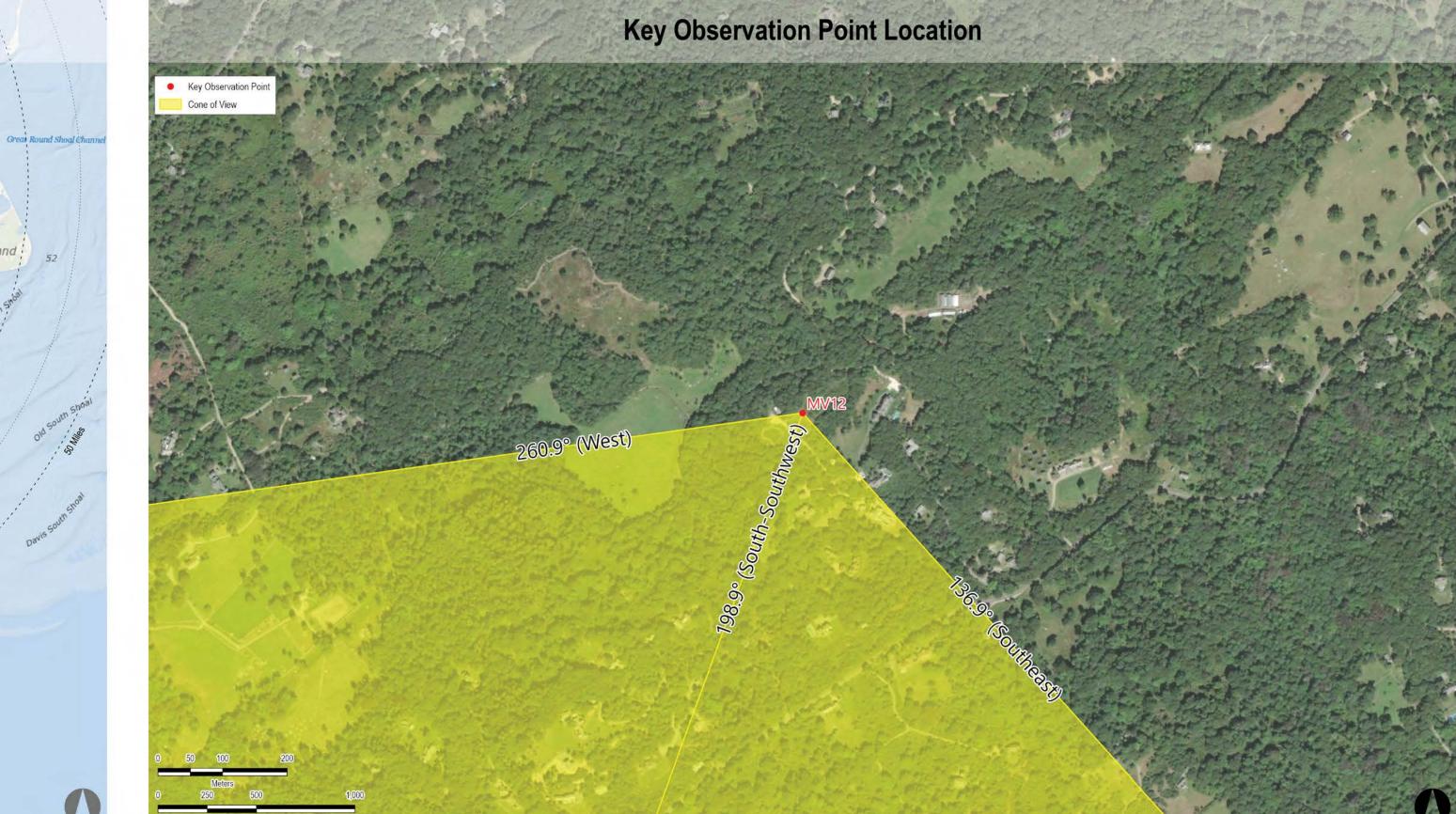
Landscape Similarity Zone: Forest User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Identified by the Wampanoag of Gay Head

• 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

perspective commonly occurring on clear days such as the conditions illustrated in this photosimulation. In order to illustrate maximum potential visibility of the proposed 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

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	23.0	39.3





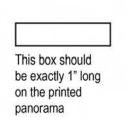


# Powered by Ørsted & Eversource

**Appendix A: Sunrise Wind Cumulative Visual Simulations** 

MV12-B - Parking Area: Peaked Hill Reservation, Chilmark, Massachusetts

**Existing Conditions** 



Visibility: >10 miles Wind Direction: Southwest Wind Speed: 17 mph Conditions Observed: Cloudy **Camera Information** 

Environmental Data

Date Taken: 1/12/2022

Time: 12:35 PM

Humidity: 62%

Temperature: 42°F

## Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 303.8 feet AMSL 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.
- existing light sources.
- 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 Information County: Dukes Town: Chilmark State: Massachusetts Location: Martha's Vineyard Latitude, Longitude: 41.35523° N, 70.73524° W Direction of View (Center): South-Southwest (196.9°)

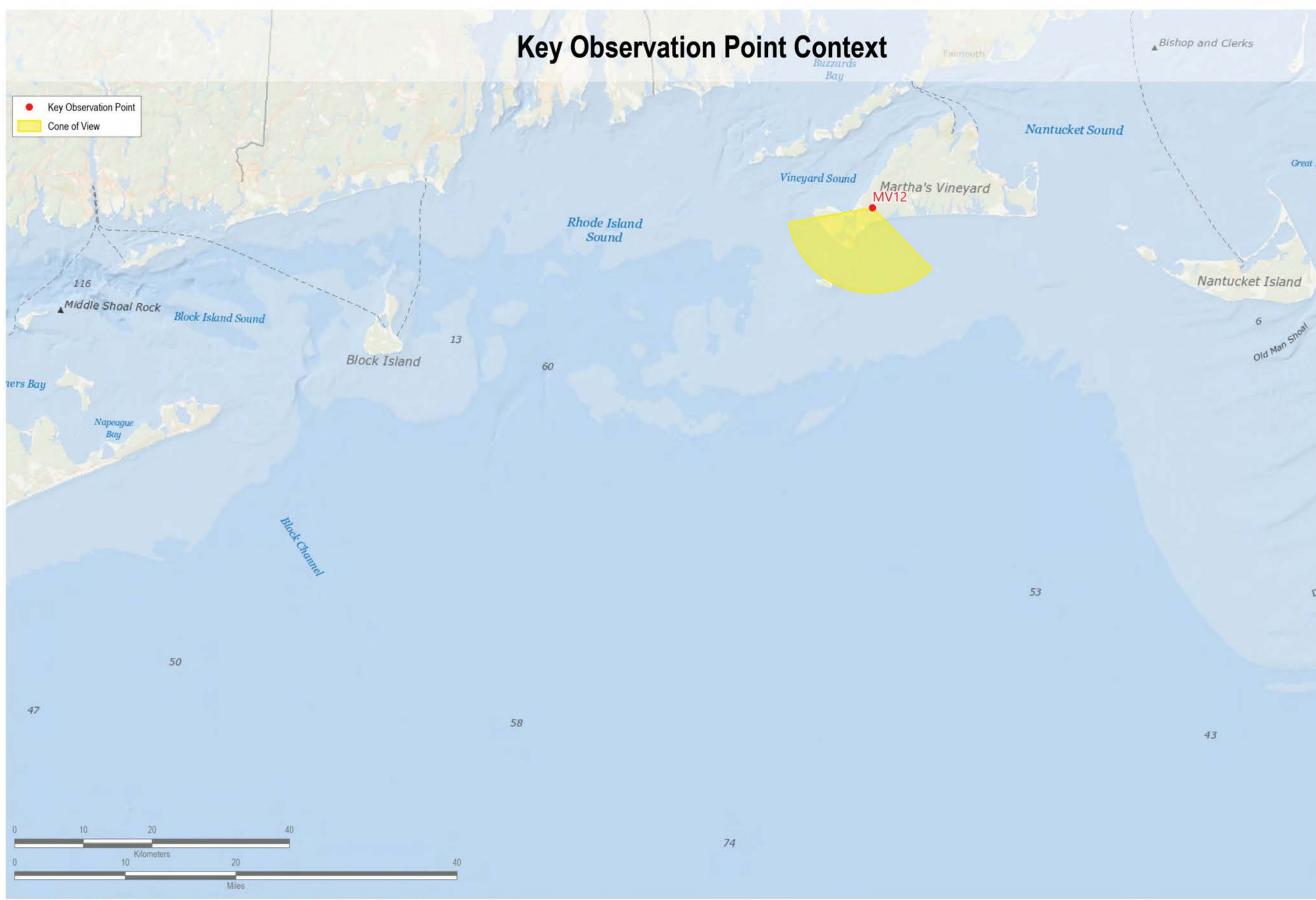
## Visual Resources

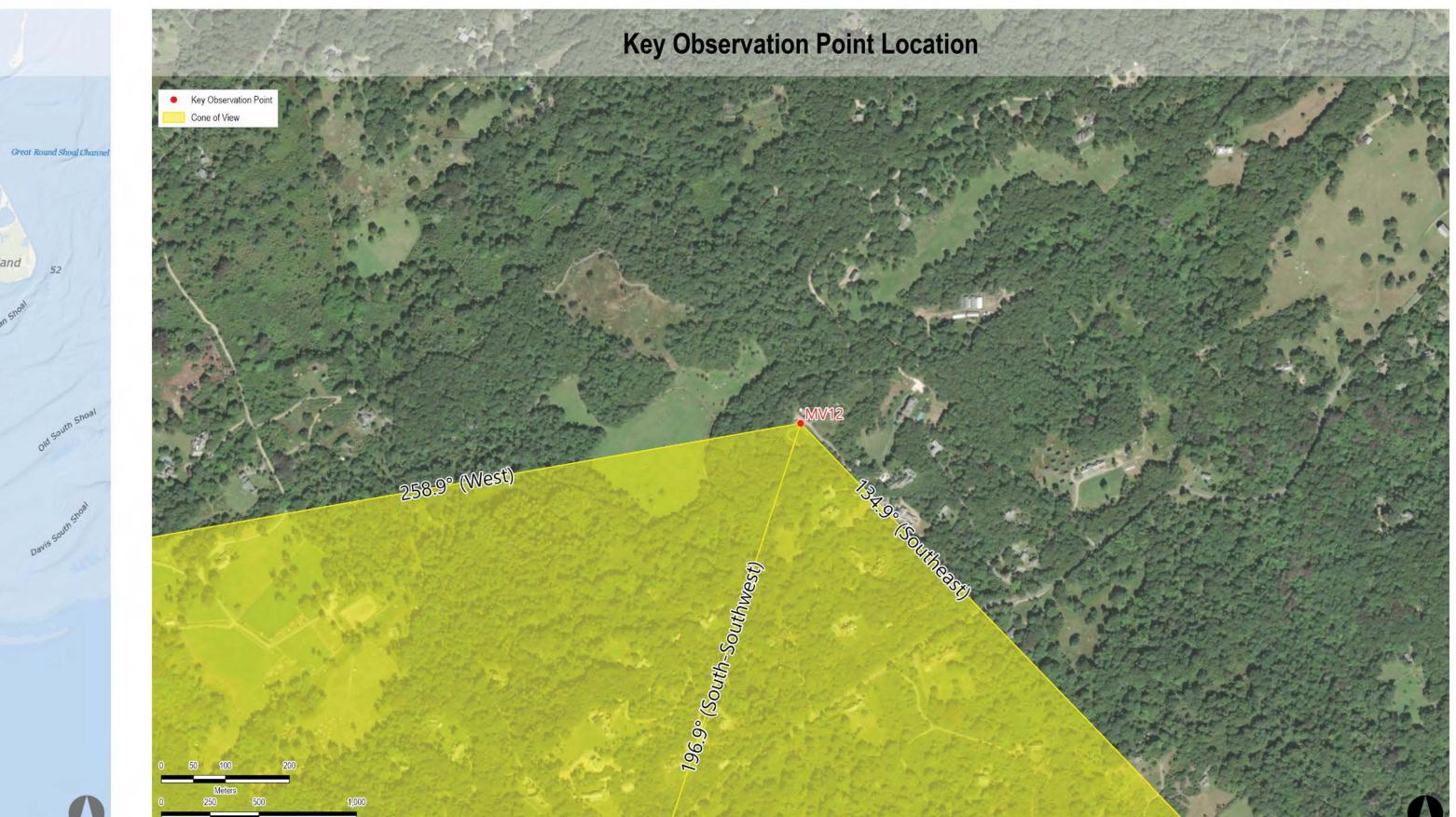
Field of View: 124° x 55°

Landscape Similarity Zone: Forest User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Identified by the Wampanoag of Gay Head

• 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

• 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







# Powered by Ørsted & Eversource

**Appendix A: Sunrise Wind Cumulative Visual Simulations** 

MV12-B - Parking Area: Peaked Hill Reservation, Chilmark, Massachusetts

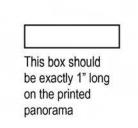
Visual Simulation: 2023 and 2024 Project Construction (Revolution Wind, South Fork Wind, Vineyard Wind North, and New England Wind Phase 1&2)

# **Environmental Data**

Date Taken: 1/12/2022 Time: 12:35 PM Temperature: 42°F Humidity: 62% Visibility: >10 miles Wind Direction: Southwest Wind Speed: 17 mph Conditions Observed: Cloudy

## **Camera Information** Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 303.8 feet AMSL 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.
- 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 WTG, this degree of atmospheric perspective is not applied to the photosimulations. three-dimensional (3D) model of the island.



# Key Observation Point Information

County: Dukes Town: Chilmark

# State: Massachusetts

Location: Martha's Vineyard Latitude, Longitude: 41.35523° N, 70.73524° W Direction of View (Center): South-Southwest (196.9°) Field of View: 124° x 55°

# Visual Resources

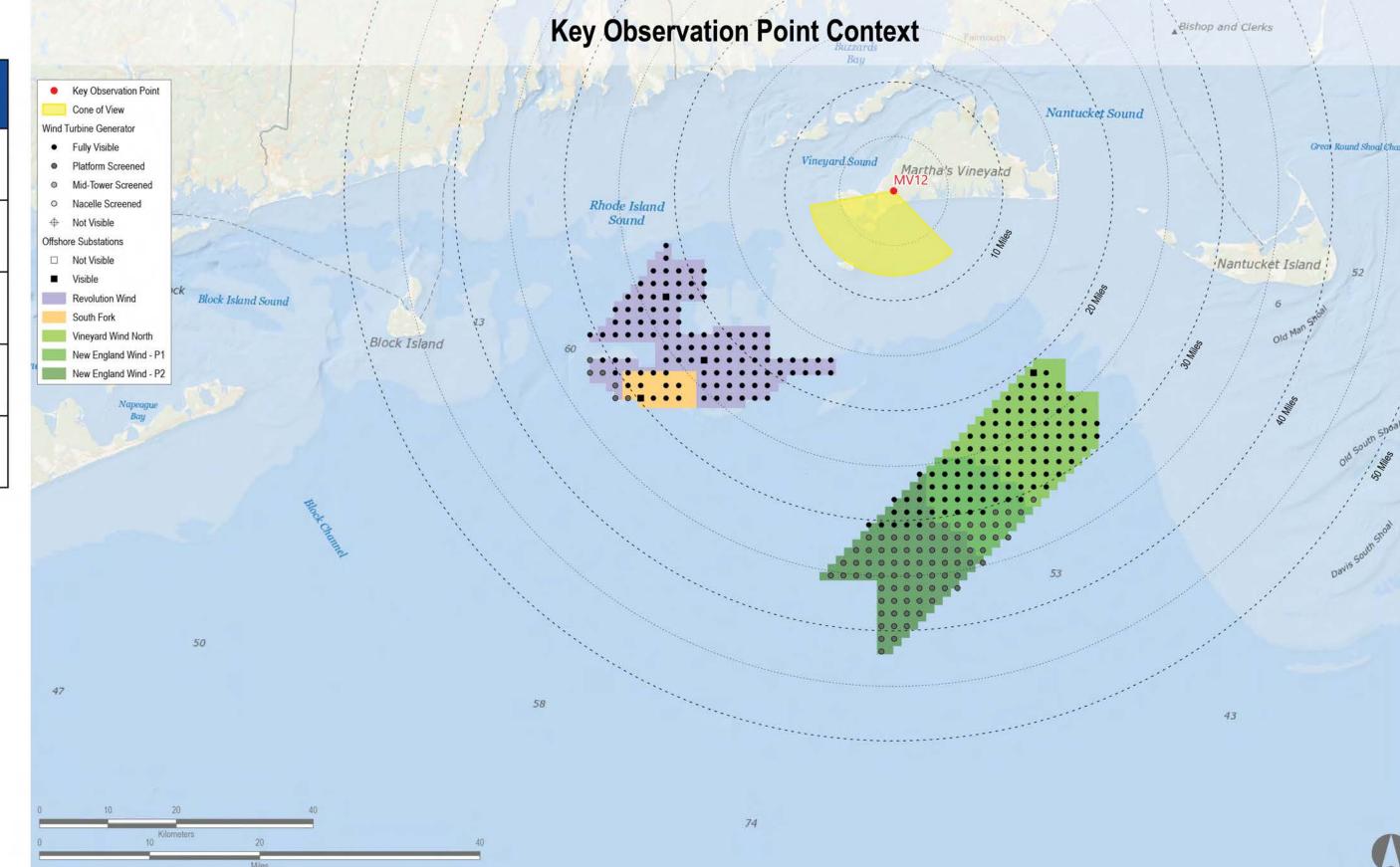
Landscape Similarity Zone: Forest User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Identified by the Wampanoag of Gay Head

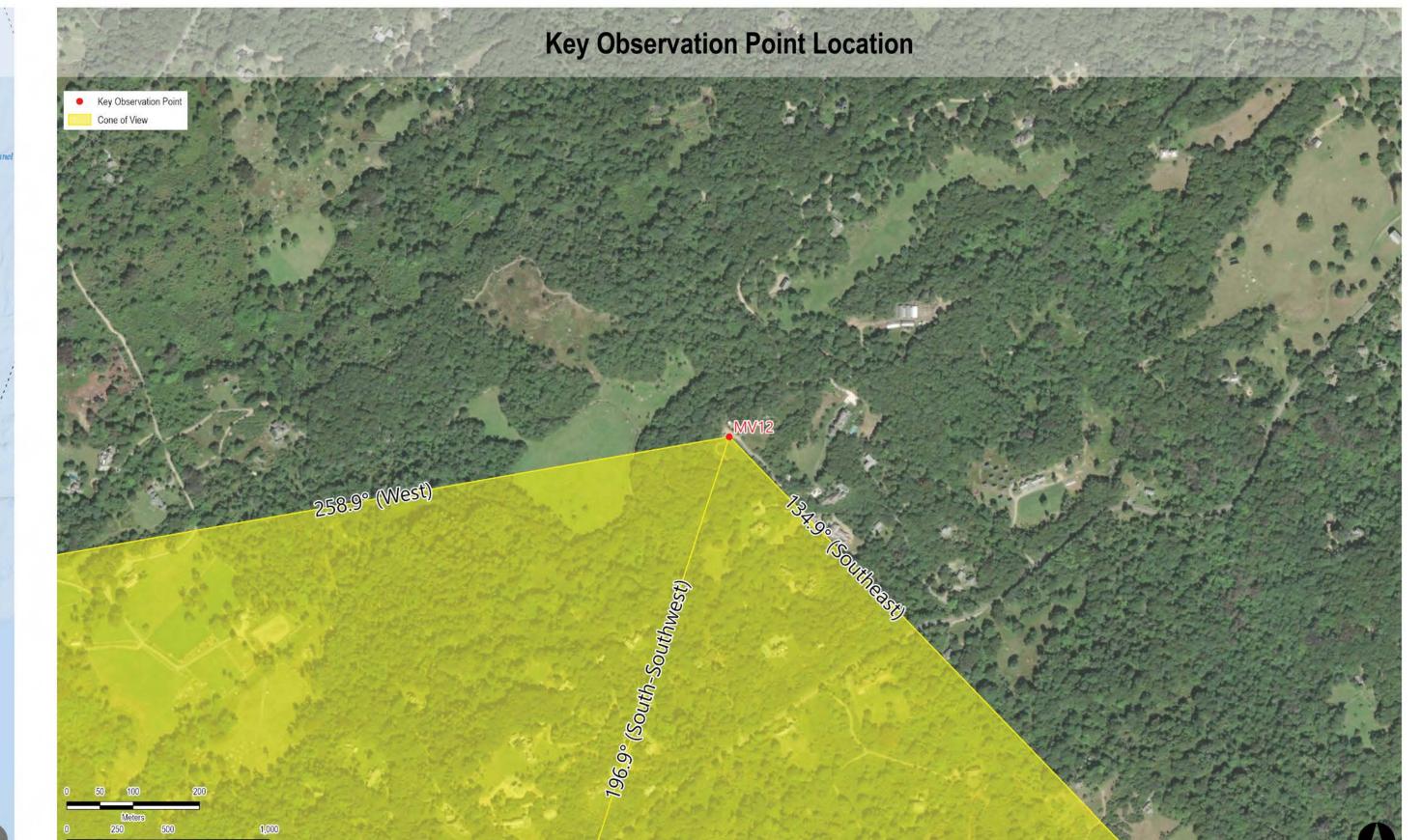
• The potential number of WTGs and OSSs screened from view was calculated using a curvature of the earth model based on the distance, viewer height, and maximum structure height. This analysis does not consider the screening effects of intervening vegetation, structures, and topography. Offshore Substation 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

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	26.3	30.6
Vineyard Wind North	2023	14 MW	69	69	20.8	30.7
Revolution Wind	2023	12 MW	102	102	16.4	32.1
New England Wind Phase 1	2024	16 MW	41	41	25.0	33.6
New England Wind Phase 2	2024	19 MW	79	79	25.8	41.9

perspective commonly occurring on clear days such as the conditions illustrated in this photosimulation. In order to illustrate maximum potential visibility of the proposed 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







# Powered by Ørsted & Eversource

**Appendix A: Sunrise Wind Cumulative Visual Simulations** 

MV12-B - Parking Area: Peaked Hill Reservation, Chilmark, Massachusetts

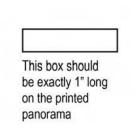
Visual Simulation: 2023 and 2024 Project Construction with Sunrise Wind added (Sunrise Wind, Revolution Wind, South Fork Wind, Vineyard Wind North, and New England Wind Phase 1&2)

# **Environmental Data**

Date Taken: 1/12/2022 Time: 12:35 PM Temperature: 42°F Humidity: 62% Visibility: >10 miles Wind Direction: Southwest Wind Speed: 17 mph Conditions Observed: Cloudy

## **Camera Information** Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 303.8 feet AMSL Notes:

- 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 WTG, this degree of atmospheric perspective is not applied to the photosimulations. three-dimensional (3D) model of the island.



# Key Observation Point Information

County: Dukes Town: Chilmark State: Massachusetts Location: Martha's Vineyard Latitude, Longitude: 41.35523° N, 70.73524° W Direction of View (Center): South-Southwest (196.9°)

## Visual Resources

Field of View: 124° x 55°

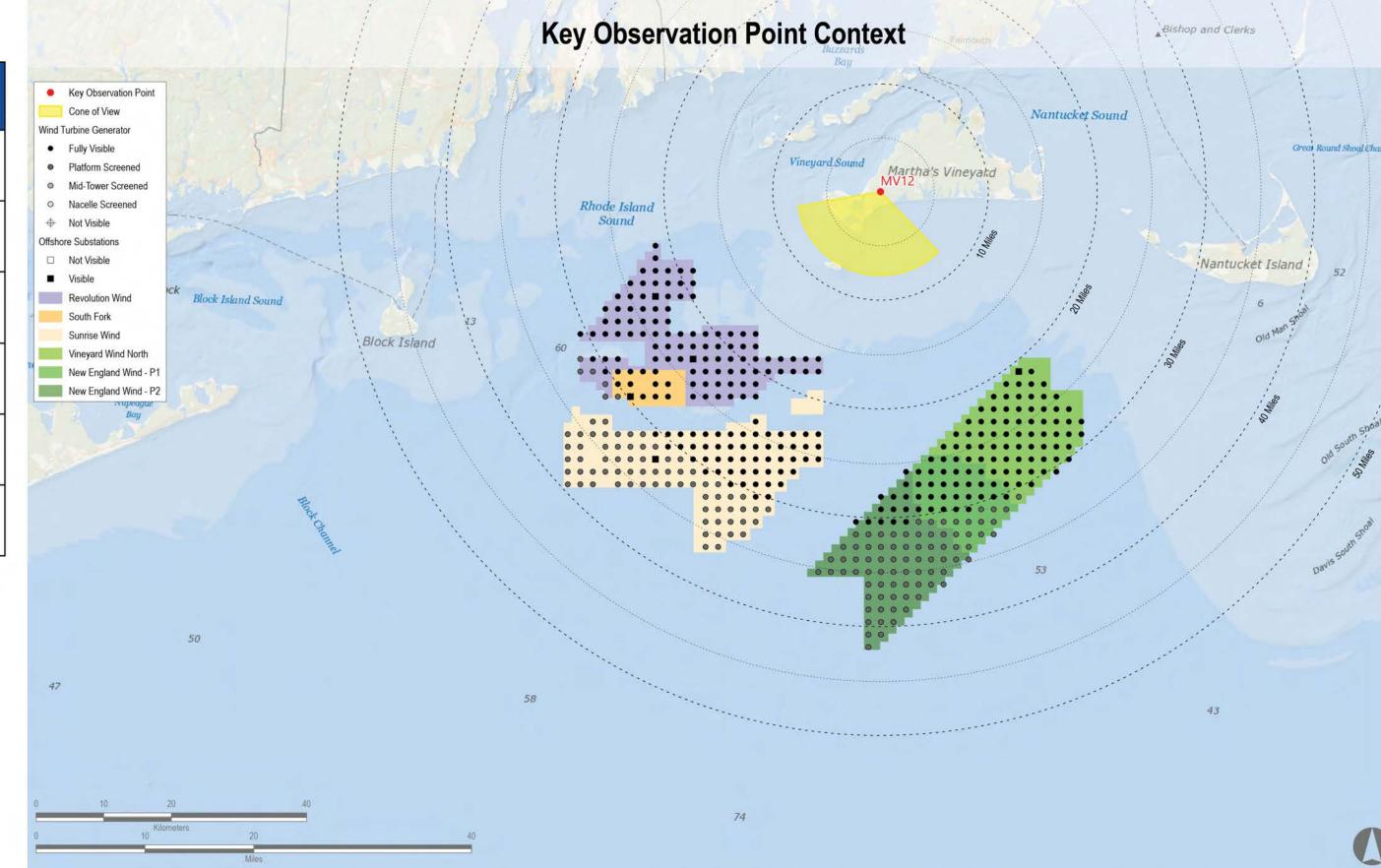
Landscape Similarity Zone: Forest User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Identified by the Wampanoag of Gay Head

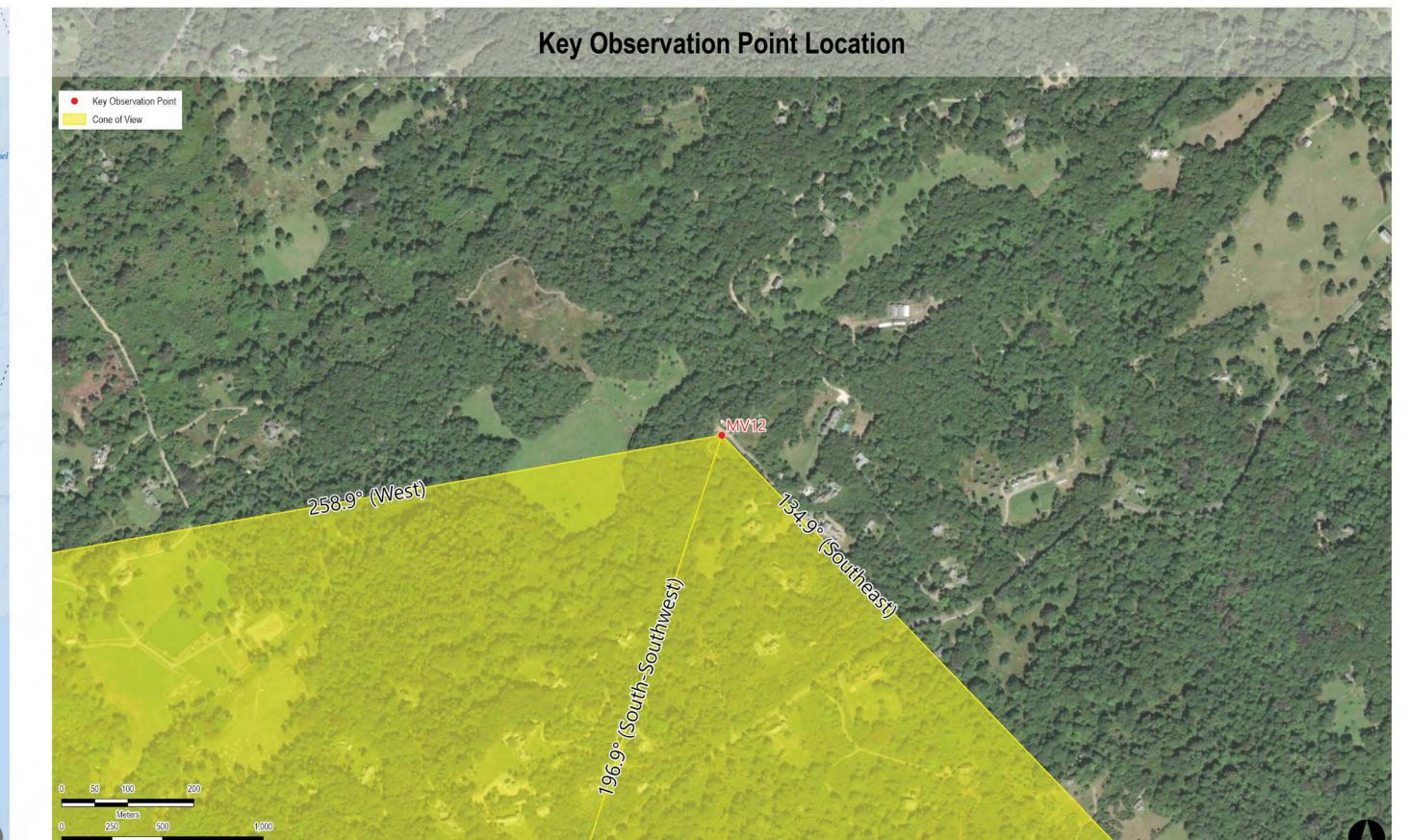
• Photosimulation Size: 64" in width by 29.3" in height. Images should be viewed from 15 inches in order to obtain the proper perspective. • The potential number of WTGs and OSSs screened from view was calculated using a curvature of the earth model based on the distance, viewer height, and maximum structure 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

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	26.3	30.6
Vineyard Wind North	2023	14 MW	69	69	20.8	30.7
Revolution Wind	2023	12 MW	102	102	16.4	32.1
New England Wind Phase 1	2024	16 MW	41	41	25.0	33.6
New England Wind Phase 2	2024	19 MW	79	79	25.8	41.9
Sunrise Wind	2024	15 MW	123	123	23.0	39.3

perspective commonly occurring on clear days such as the conditions illustrated in this photosimulation. In order to illustrate maximum potential visibility of the proposed 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







# Powered by Ørsted & Eversource

**Appendix A: Sunrise Wind Cumulative Visual Simulations** 

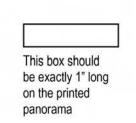
MV12-B - Parking Area: Peaked Hill Reservation, Chilmark, Massachusetts Visual Simulation: Full Lease Build-out Including Sunrise Wind

# Environmental Data

Date Taken: 1/12/2022 Time: 12:35 PM Temperature: 42°F Humidity: 62% Visibility: >10 miles Wind Direction: Southwest Wind Speed: 17 mph Conditions Observed: Cloudy

## **Camera Information** Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 303.8 feet AMSL Notes:

- existing light sources.
- WTG, this degree of atmospheric perspective is not applied to the photosimulations. three-dimensional (3D) model of the island.



<b>Key Observation Point Information</b>
County: Dukes

# Town: Chilmark

State: Massachusetts Location: Martha's Vineyard Latitude, Longitude: 41.35523° N, 70.73524° W Direction of View (Center): South-Southwest (196.9°) Field of View: 124° x 55°

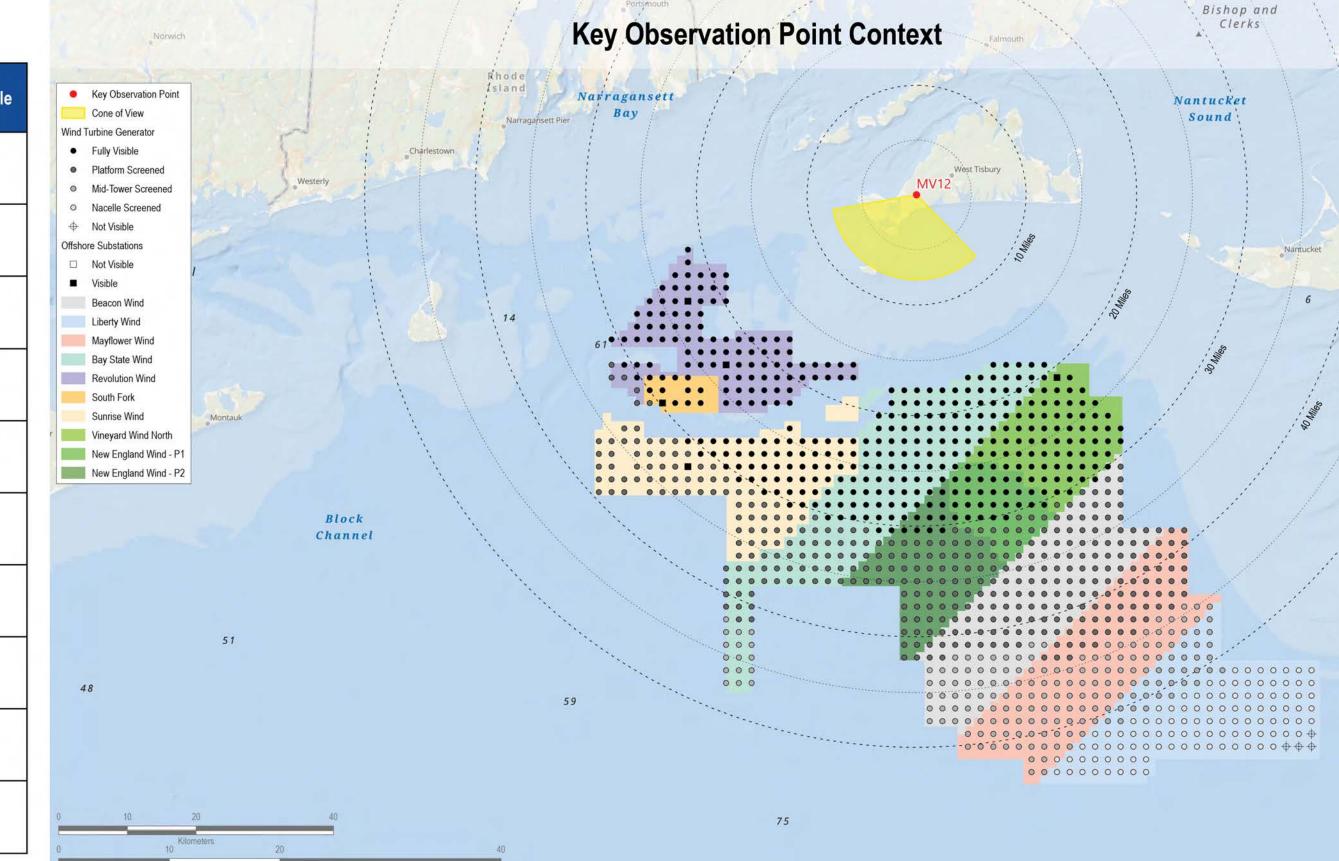
# Visual Resources

Landscape Similarity Zone: Forest User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Identified by the Wampanoag of Gay Head

• 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

• 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 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

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	26.3	30.6
Vineyard Wind North	2023	14 MW	69	69	20.8	30.7
Revolution Wind	2023	12 MW	102	102	16.4	32.1
New England Wind Phase 1	2024	16 MW	41	41	25.0	33.6
New England Wind Phase 2	2024	19 MW	79	79	25.8	41.9
Sunrise Wind	2024	15 MW	123	123	23.0	39.3
Mayflower Wind	2024	12 MW	149	149	38.1	53.5
Liberty Wind	2025-2030	12 MW	135	139	46.0	61.3
Beacon Wind	2025-2030	12 MW	157	157	30.0	47.8
Bay State Wind	2025-2030	12 MW	185	185	16.8	47.4







# Powered by Ørsted & Eversource

**Appendix A: Sunrise Wind Cumulative Visual Simulations** 

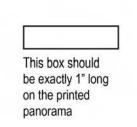
MV12-B - Parking Area: Peaked Hill Reservation, Chilmark, Massachusetts Visual Simulation: Full Lease Build-out Excluding Sunrise Wind

# Environmental Data

Date Taken: 1/12/2022 Time: 12:35 PM Temperature: 42°F Humidity: 62% Visibility: >10 miles Wind Direction: Southwest Wind Speed: 17 mph Conditions Observed: Cloudy

## **Camera Information** Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 303.8 feet AMSL Notes:

- 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 WTG, this degree of atmospheric perspective is not applied to the photosimulations. three-dimensional (3D) model of the island.



Key Observation	Point	Information
O		

## County: Dukes Town: Chilmark

State: Massachusetts Location: Martha's Vineyard Latitude, Longitude: 41.35523° N, 70.73524° W Direction of View (Center): South-Southwest (196.9°) Field of View: 124° x 55°

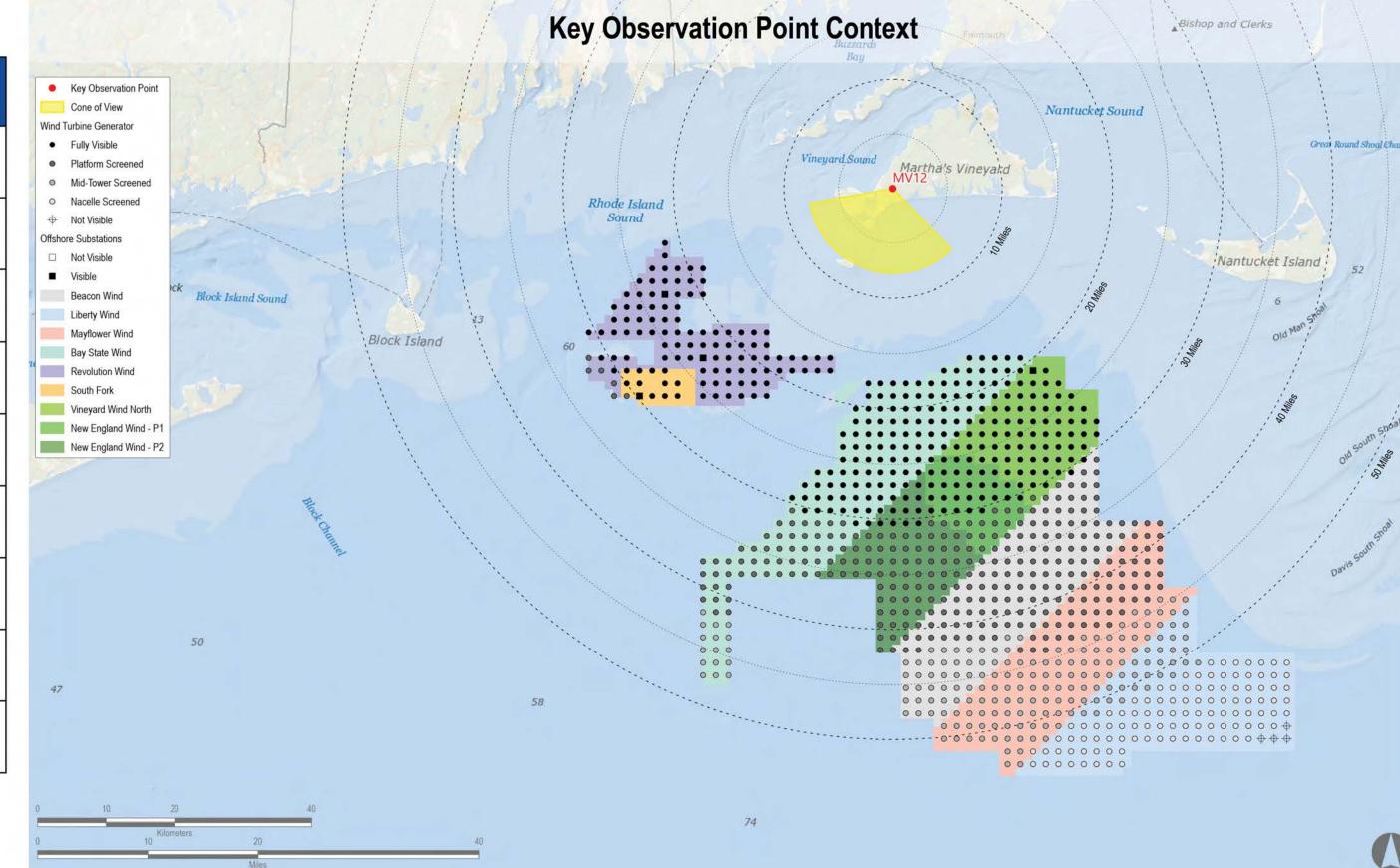
# Visual Resources

Landscape Similarity Zone: Forest User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Identified by the Wampanoag of Gay Head

• 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

perspective commonly occurring on clear days such as the conditions illustrated in this photosimulation. In order to illustrate maximum potential visibility of the proposed 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

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	26.3	30.6
Vineyard Wind North	2023	14 MW	69	69	20.8	30.7
Revolution Wind	2023	12 MW	102	102	16.4	32.1
New England Wind Phase 1	2024	16 MW	41	41	25.0	33.6
New England Wind Phase 2	2024	19 MW	79	79	25.8	41.9
Mayflower Wind	2024	12 MW	149	149	38.1	53.5
Liberty Wind	2025-2030	12 MW	135	139	46.0	61.3
Beacon Wind	2025-2030	12 MW	157	157	30.0	47.8
Bay State Wind	2025-2030	12 MW	185	185	16.8	47.4







# Powered by Ørsted & Eversource

**Appendix A: Sunrise Wind Cumulative Visual Simulations** 

MV12-B - Parking Area: Peaked Hill Reservation, Chilmark, Massachusetts

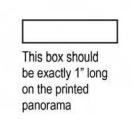
Visual Simulation: Sunrise Wind Without Other Foreseeable Future Changes

# **Environmental Data**

Date Taken: 1/12/2022 Time: 12:35 PM Temperature: 42°F Humidity: 62% Visibility: >10 miles Wind Direction: Southwest Wind Speed: 17 mph Conditions Observed: Cloudy

## **Camera Information** Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 303.8 feet AMSL Notes:

- 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 WTG, this degree of atmospheric perspective is not applied to the photosimulations. three-dimensional (3D) model of the island.



# Key Observation Point Information

County: Dukes Town: Chilmark State: Massachusetts Location: Martha's Vineyard

Latitude, Longitude: 41.35523° N, 70.73524° W Direction of View (Center): South-Southwest (196.9°) Field of View: 124° x 55°

# Visual Resources

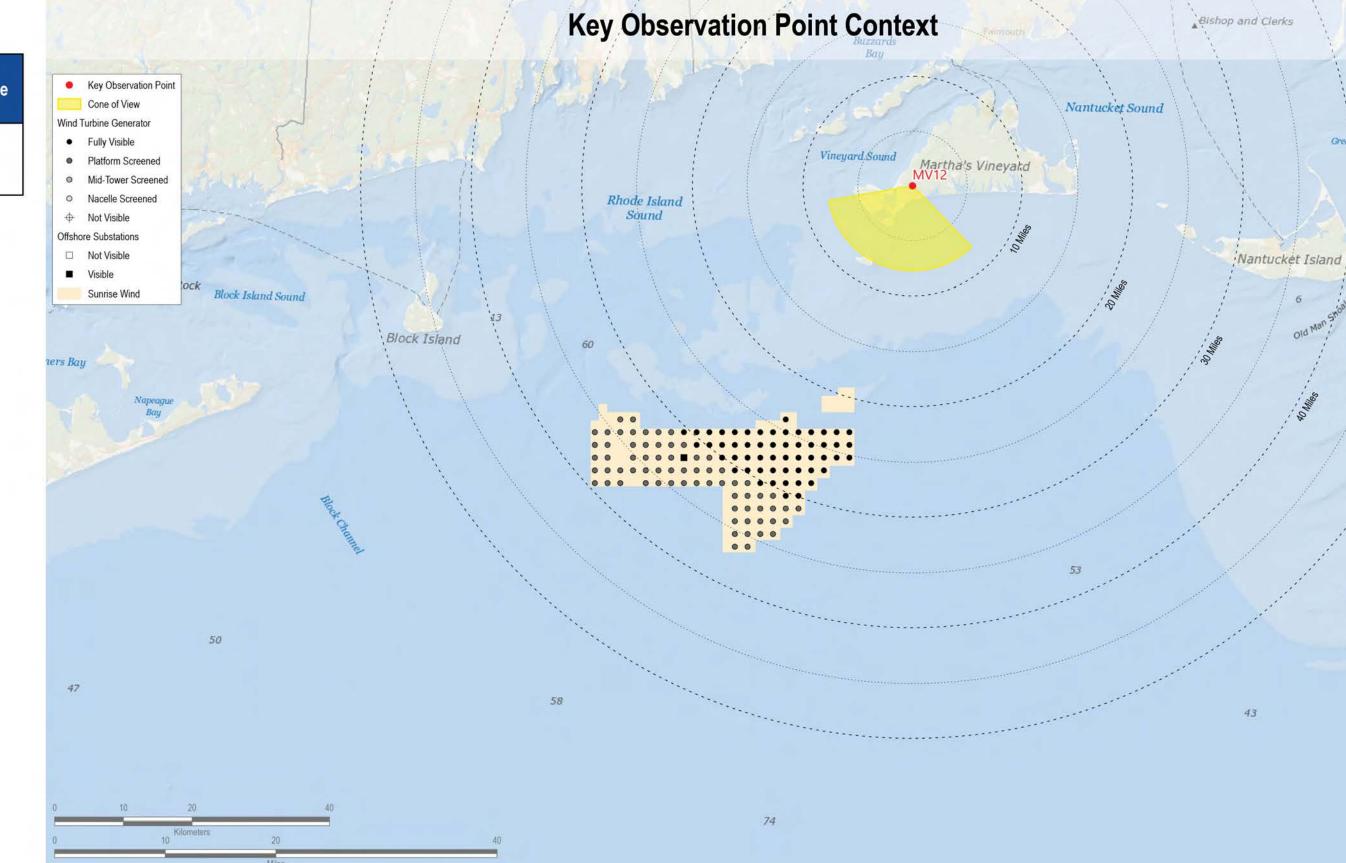
Landscape Similarity Zone: Forest User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Identified by the Wampanoag of Gay Head

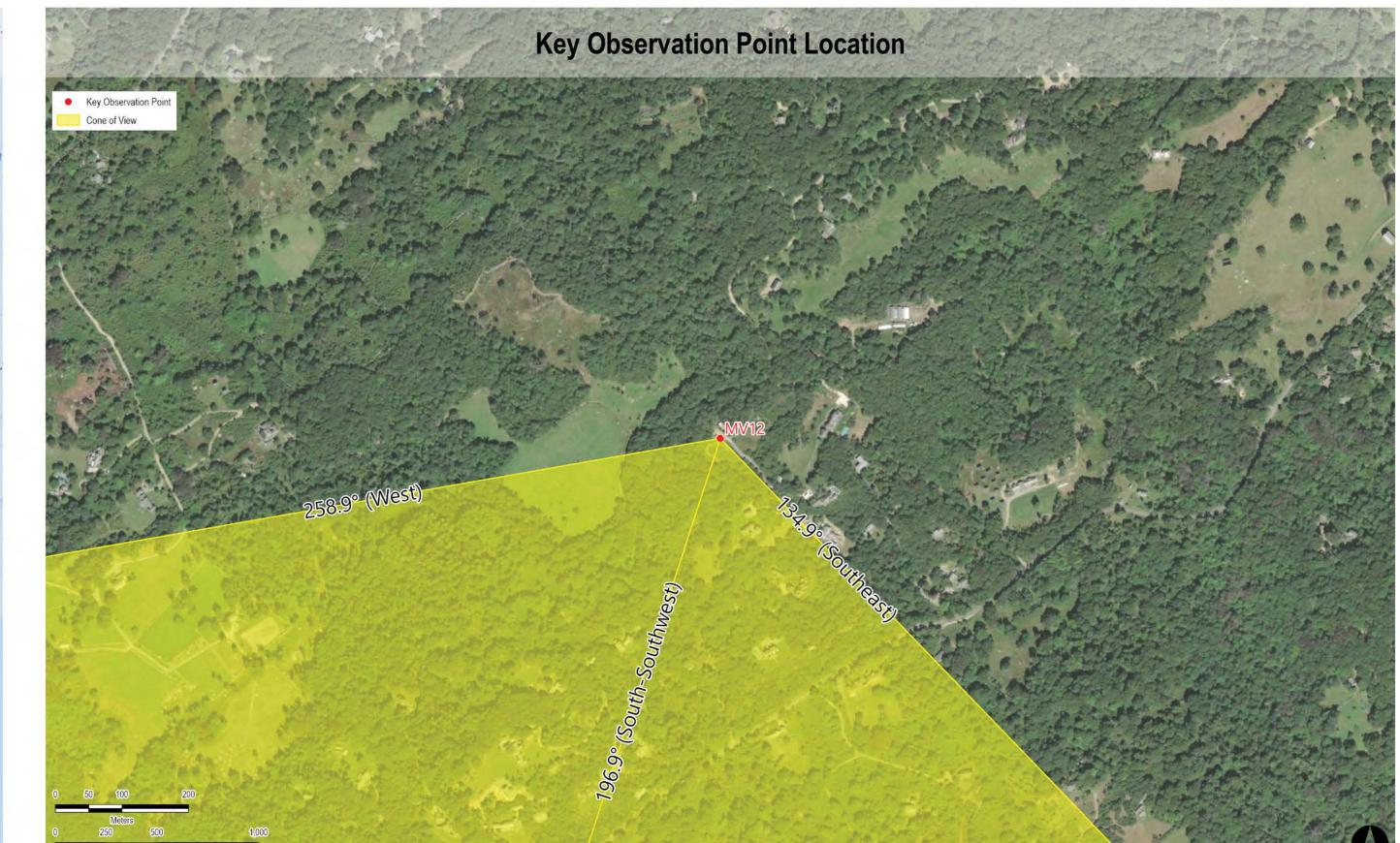
• Photosimulation Size: 64" in width by 29.3" in height. Images should be viewed from 15 inches in order to obtain the proper perspective. • The potential number of WTGs and OSSs screened from view was calculated using a curvature of the earth model based on the distance, viewer height, and maximum structure 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

perspective commonly occurring on clear days such as the conditions illustrated in this photosimulation. In order to illustrate maximum potential visibility of the proposed 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

# Reasonably Foreseeable Projects Represented in Visual Simulation

Project	Year of Development	t 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 Win	id 2024	15 MW	123	123	23.0	39.3





Great Round Shoal Cha



# Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

NI10: Madaket Beach, Nantucket, Massachusetts

**Existing Conditions** 

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



# 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 Notes:

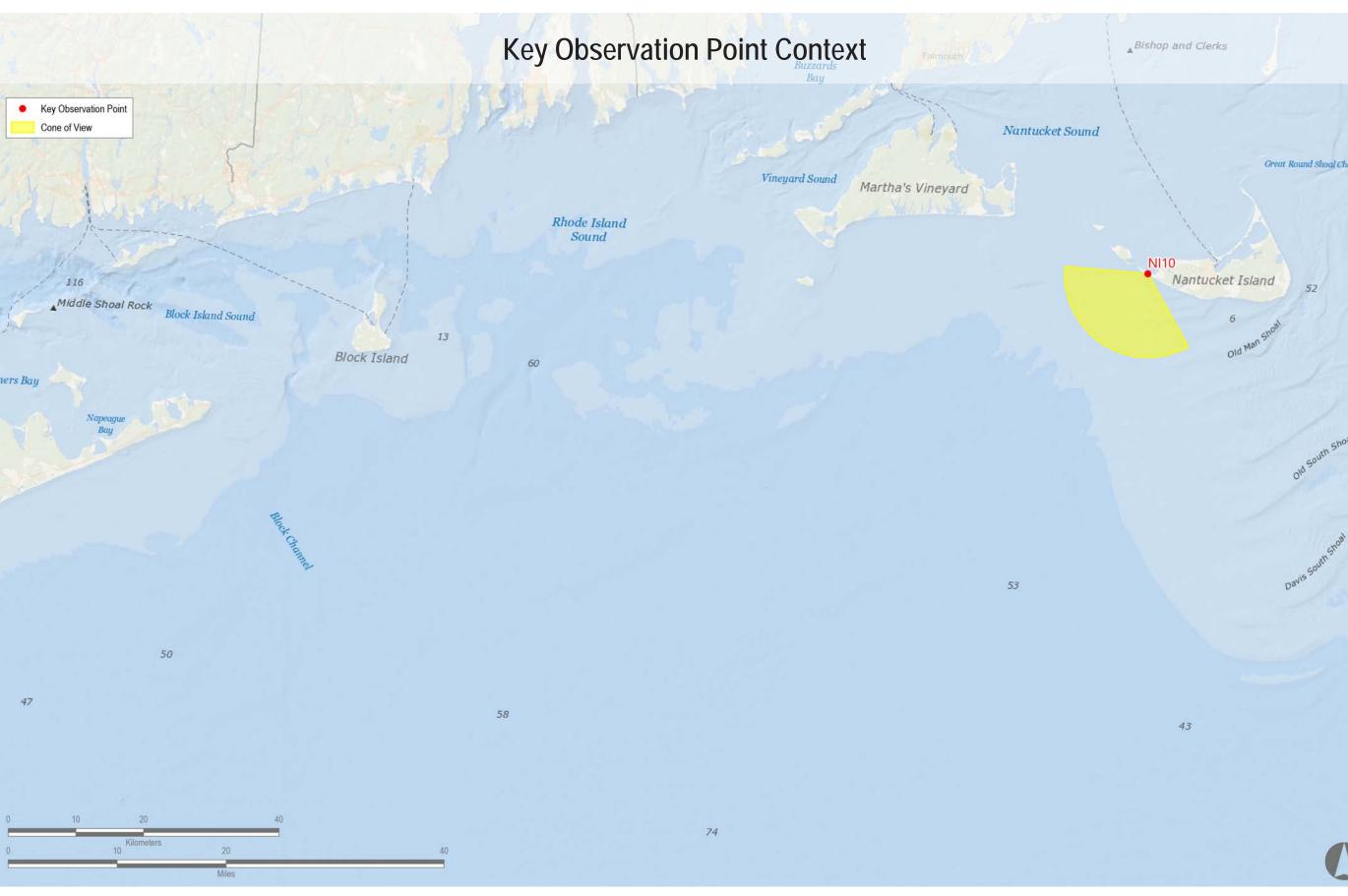
- existing light sources.
- WTG, this degree of atmospheric perspective is not applied to the photosimulations. Photographs were not obtained from NL01 during field review due to public access restrictions. In place of an actual photograph from this location, EDR created a virtual three-dimensional (3D) model of the island.

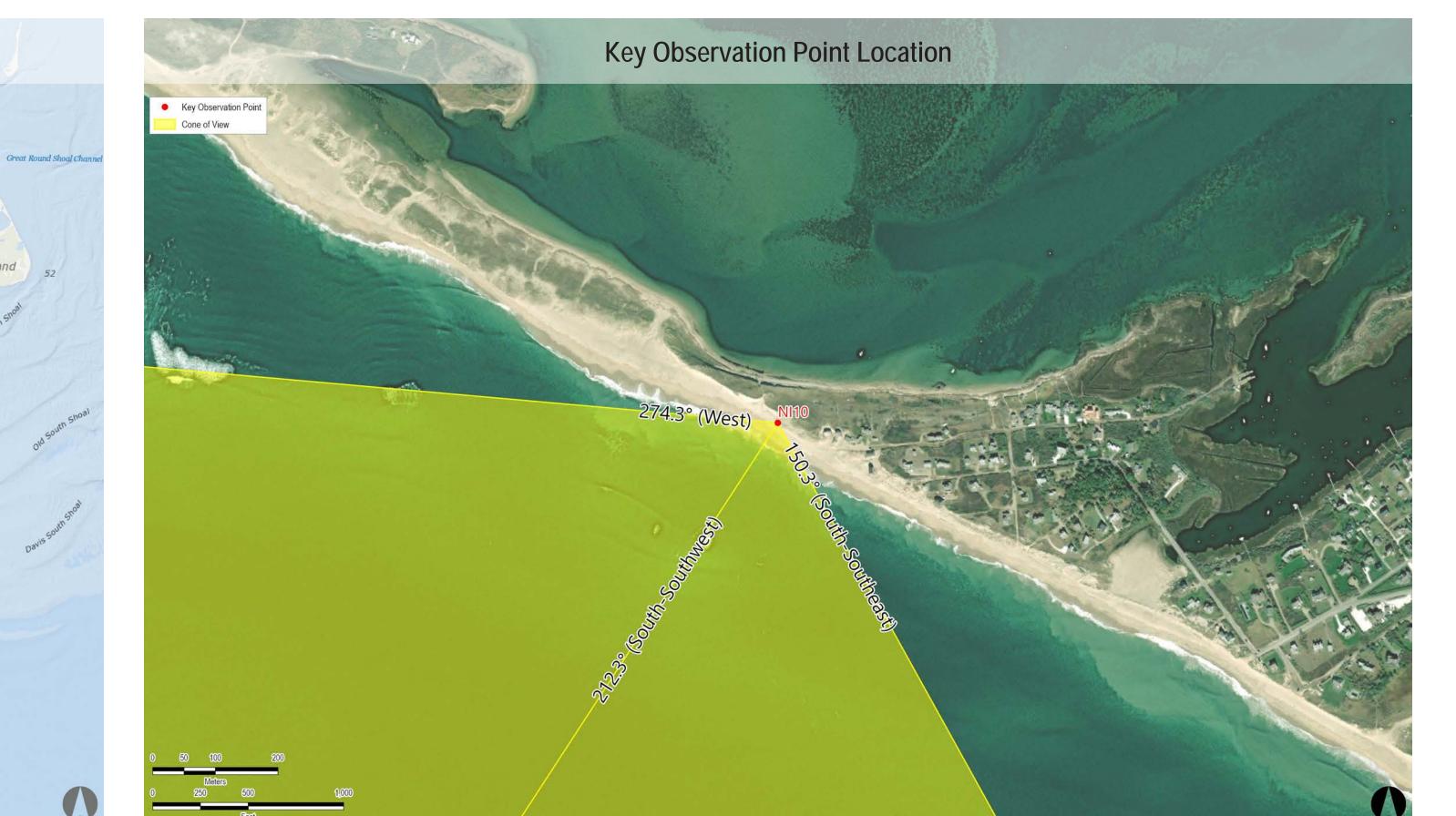
Key Observation Point Information County: Nantucket Town: Nantucket State: Massachusetts Location: Nantucket Latitude, Longitude: 41.27401° N, 70.21141° W Direction of View (Center): South-Southwest (212.3°) Field of View: 124° x 55°

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

• 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

• 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







# Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

NI10: Madaket Beach, Nantucket, Massachusetts

Visual Simulation: 2023 and 2024 Project Construction (Revolution Wind, South Fork Wind, Vineyard Wind North, and New England Wind Phase 1&2)

# 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 Notes:

- existing light sources.
- WTG, this degree of atmospheric perspective is not applied to the photosimulations. three-dimensional (3D) model of the island.



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

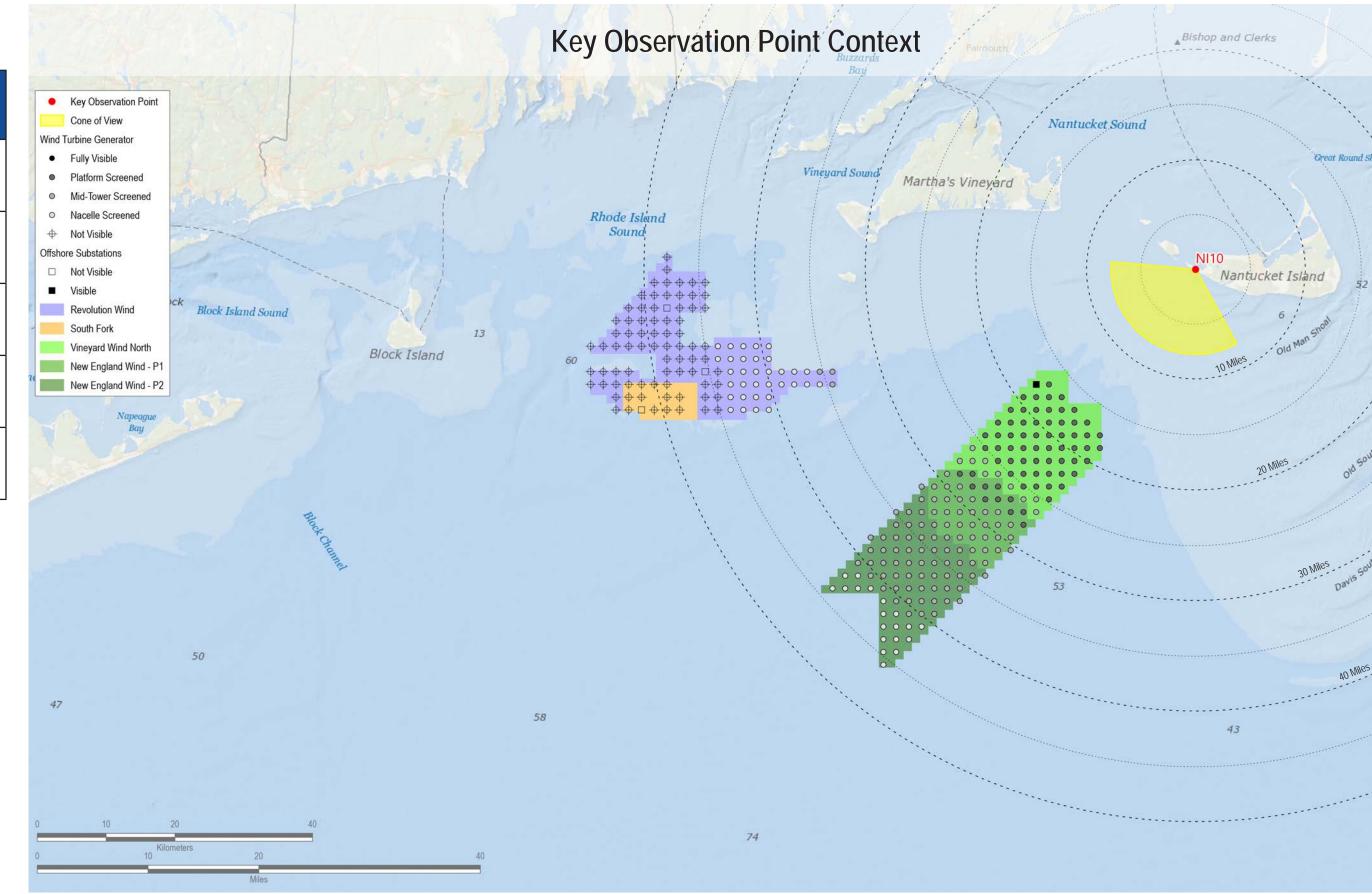
Landscape Similarity Zone: Shoreline Beach User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Madaket Beach, Nantucket National Historic Landmark

• 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

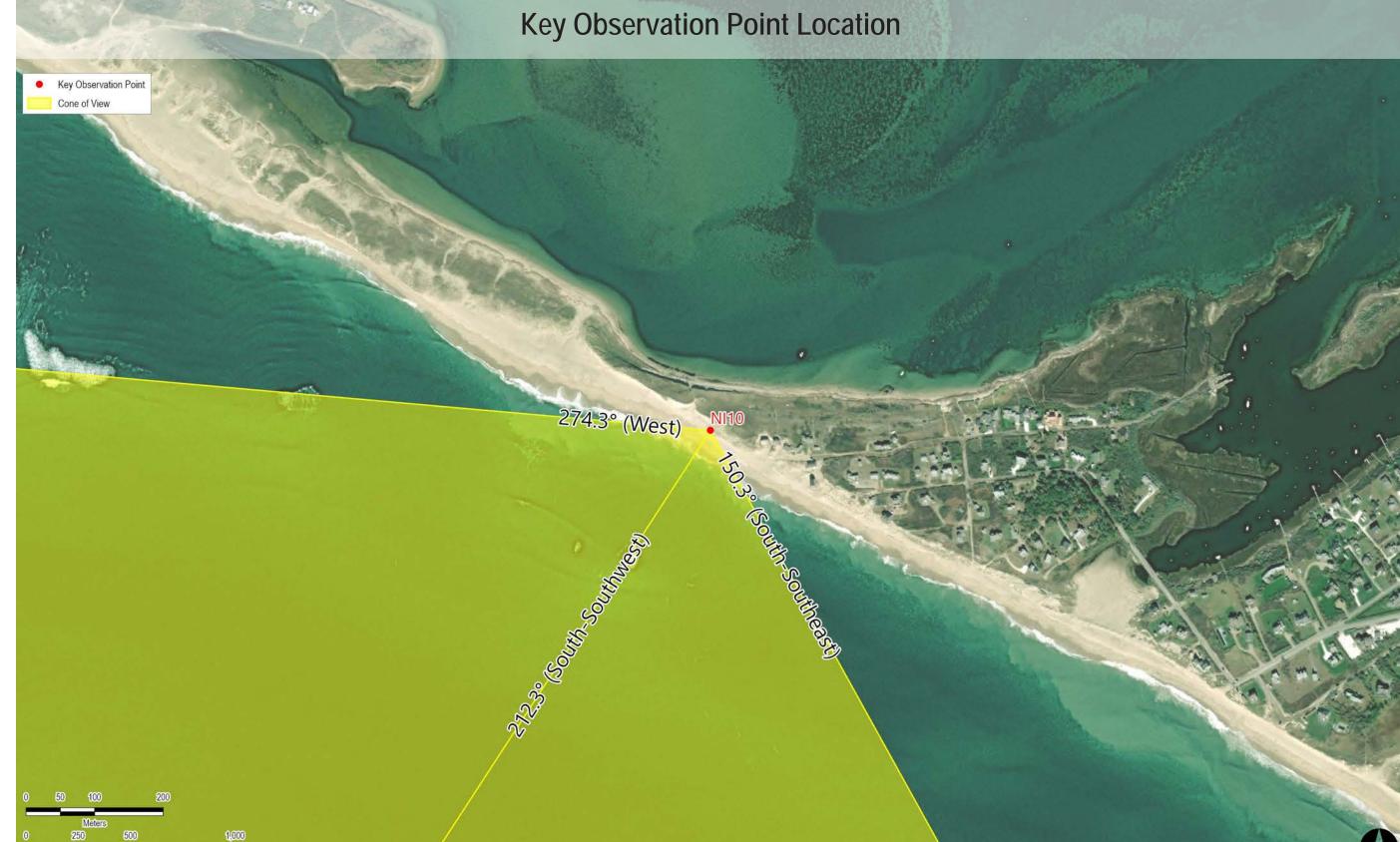
## • The existing WTGs associated with the Block Island Wind Farm are 16.9 miles from KOP LI04. In the daytime photosimulation, the WTGs appear faint due to atmospheric perspective commonly occurring on clear days such as the conditions illustrated in this photosimulation. In order to illustrate maximum potential visibility of the proposed

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

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









# Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

NI10: Madaket Beach, Nantucket, Massachusetts

Visual Simulation: 2023 and 2024 Project Construction with Sunrise Wind added (Sunrise Wind, Revolution Wind, South Fork Wind, Vineyard Wind North, and New England Wind Phase 1&2)

# **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 Notes:

- 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 WTG, this degree of atmospheric perspective is not applied to the photosimulations. three-dimensional (3D) model of the island.



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

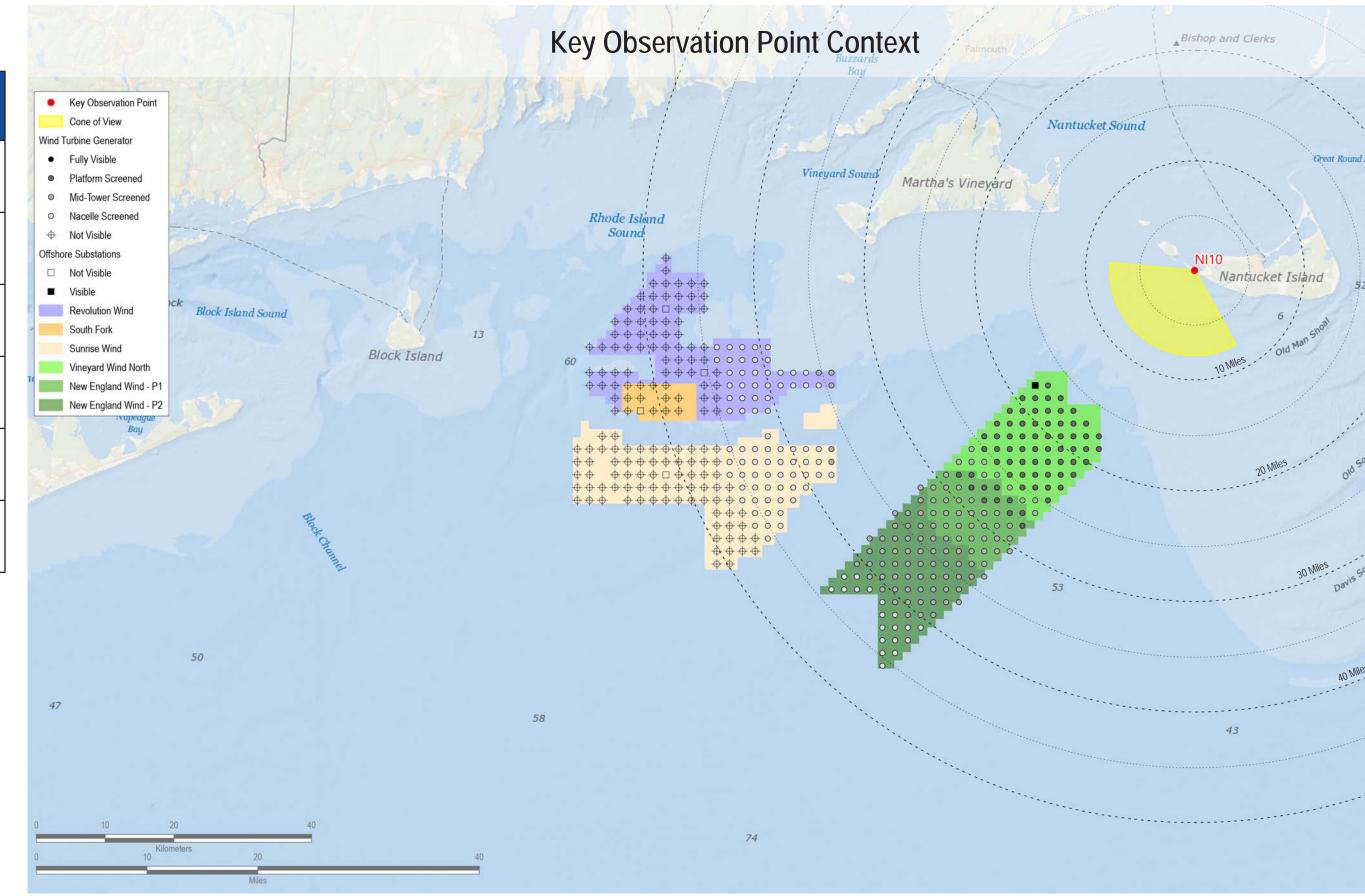
Landscape Similarity Zone: Shoreline Beach User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Madaket Beach, Nantucket National Historic Landmark

• 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

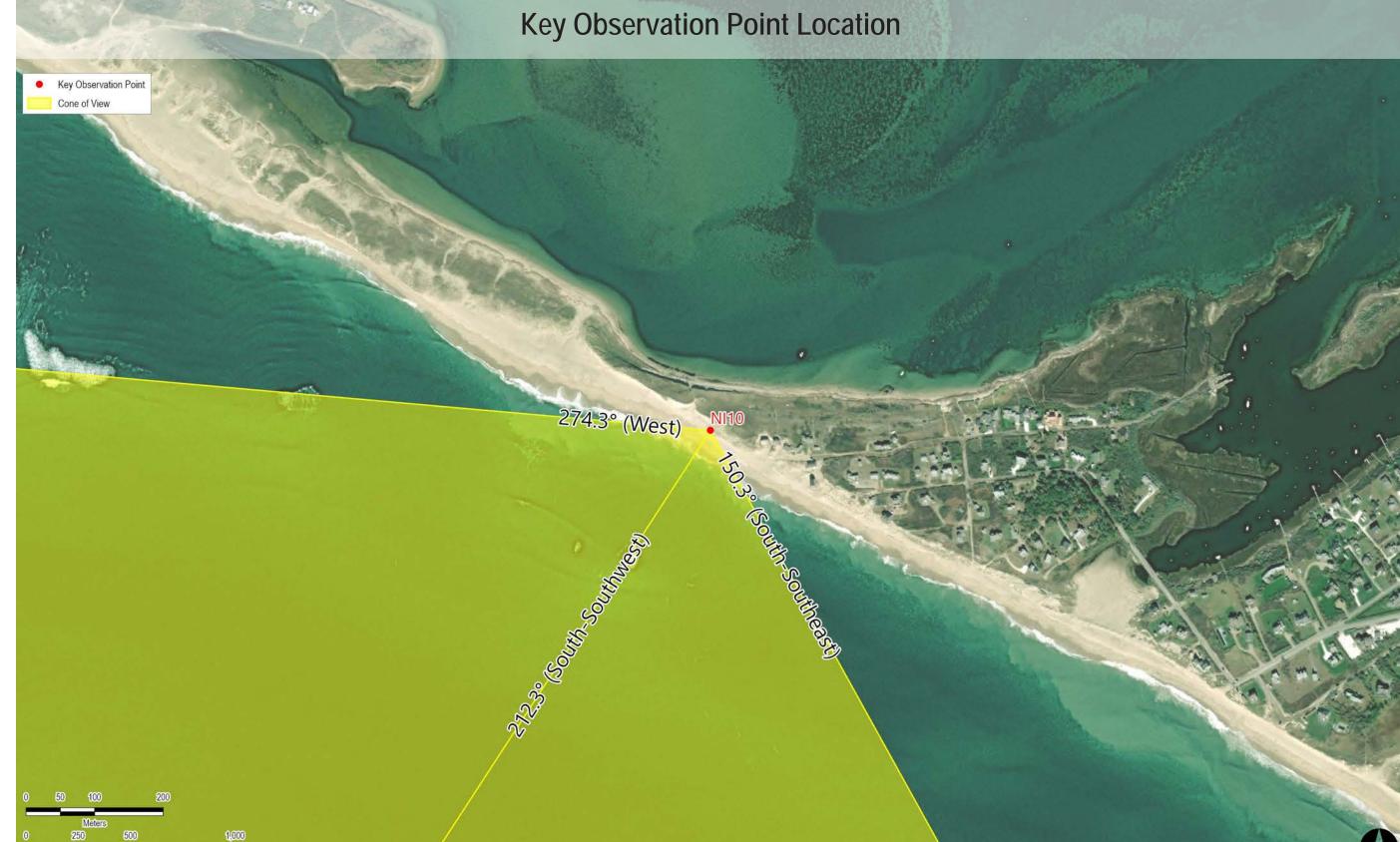
perspective commonly occurring on clear days such as the conditions illustrated in this photosimulation. In order to illustrate maximum potential visibility of the proposed

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

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









# Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

NI10: Madaket Beach, Nantucket, Massachusetts

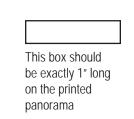
Visual Simulation: Full Lease Build-out Including Sunrise Wind

# **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 Notes:

- Photosimulation Size: 64" in width by 29.3" in height. Im The potential number of WTGs and OSSs screened fro structure height. This analysis does not consider the sc Offshore Substation location and dimensions are based
- for all foundation positions. OSS positions and dimensions considered in this photosimulation are subject to potential modification. existing light sources.
- WTG, this degree of atmospheric perspective is not applied to the photosimulations. three-dimensional (3D) model of the island.



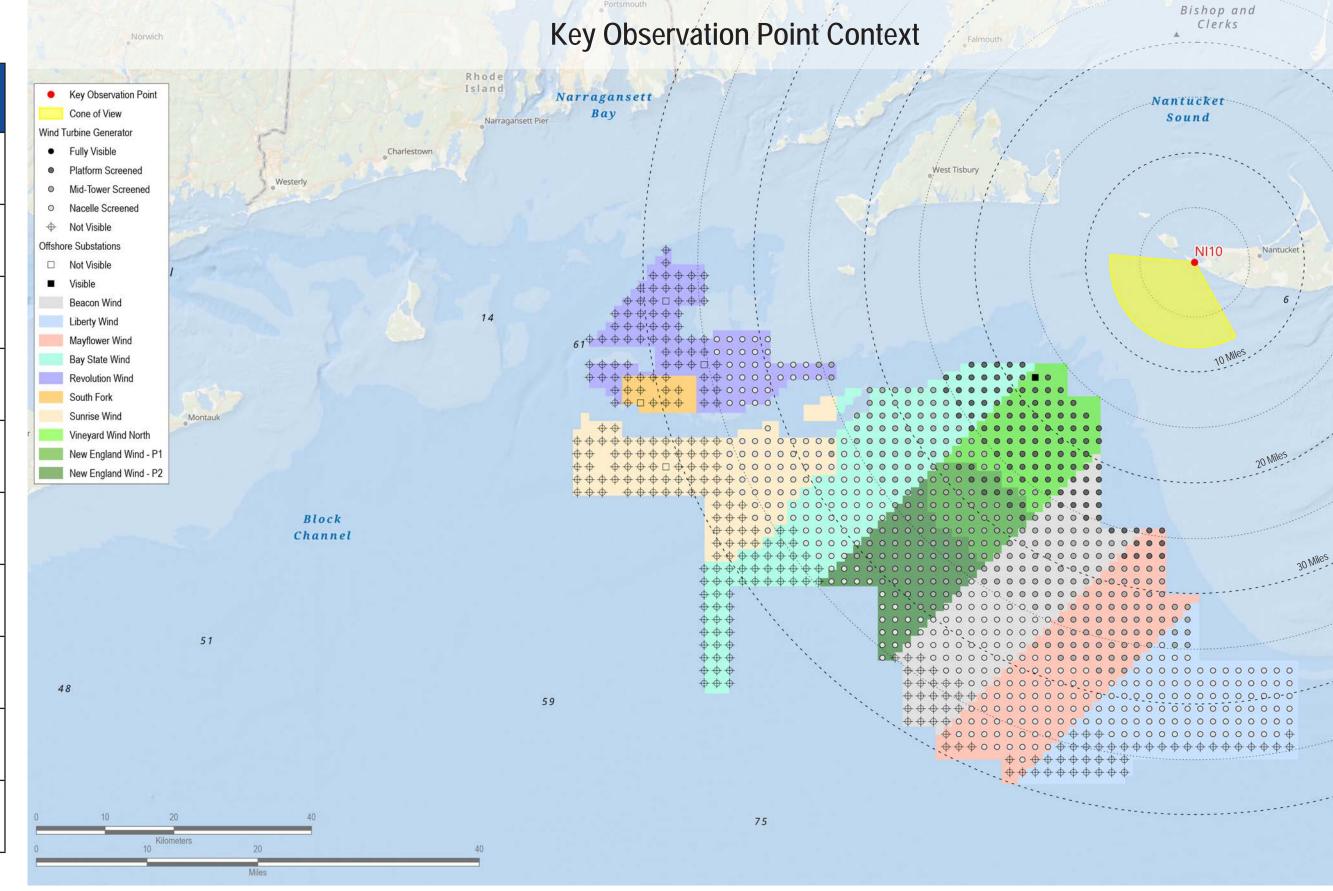
Сс	ounty: Nantucket
То	wn: Nantucket
St	ate: Massachusetts
Lo	cation: Nantucket
La	titude, Longitude: 41.27401° N, 70.21141° W
Di	rection of View (Center): South-Southwest (212.3°)
	eld of View: 124° x 55°
Vis	sual Resources
La	ndscape Similarity Zone: Shoreline Beach
Us	er Group: Local Resident, Tourist/Vacationers
Ae	esthetic Resource: Madaket Beach, Nantucket National Historic Landmark
. Images shou	Id be viewed from 15 inches in order to obtain the proper perspective.
	s calculated using a curvature of the earth model based on the distance, viewer height, and maximum
Ũ	ects of intervening vegetation, structures, and topography.
•	nary publicly available project data. Projects for which this data is not currently available, WTGs are used
IISIONS CONSID	ered in this photosimulation are subject to potential modification.

Key Observation Point Information

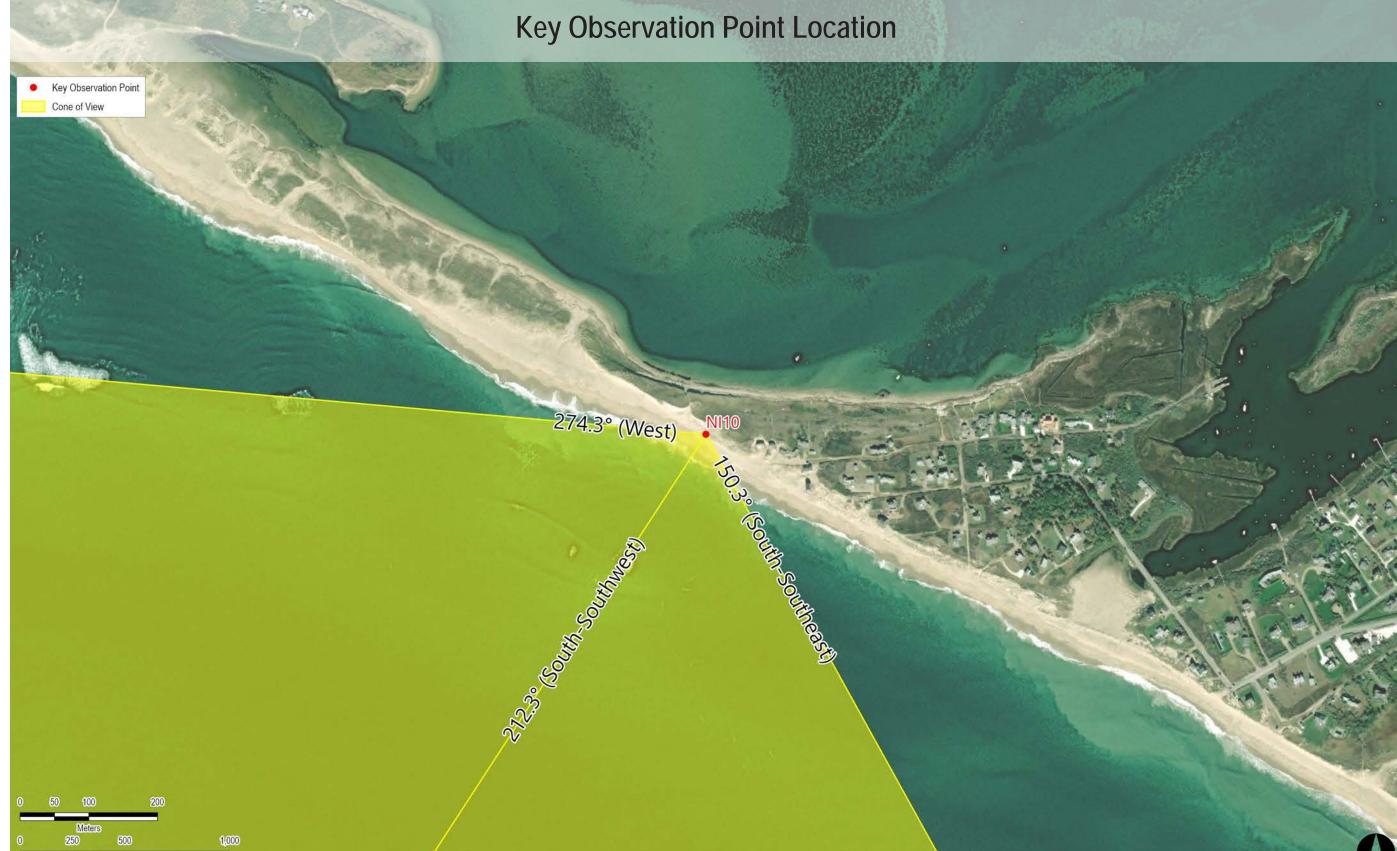
# Nighttime photosimulations are digitally adjusted from daytime photographs. Nighttime photographs captured at each represented KOP inform the presence or lack of

• 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 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

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









# Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

NI10: Madaket Beach, Nantucket, Massachusetts

Visual Simulation: Full Lease Build-out Excluding Sunrise Wind

# 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 Notes:

- existing light sources.
- WTG, this degree of atmospheric perspective is not applied to the photosimulations. three-dimensional (3D) model of the island.



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

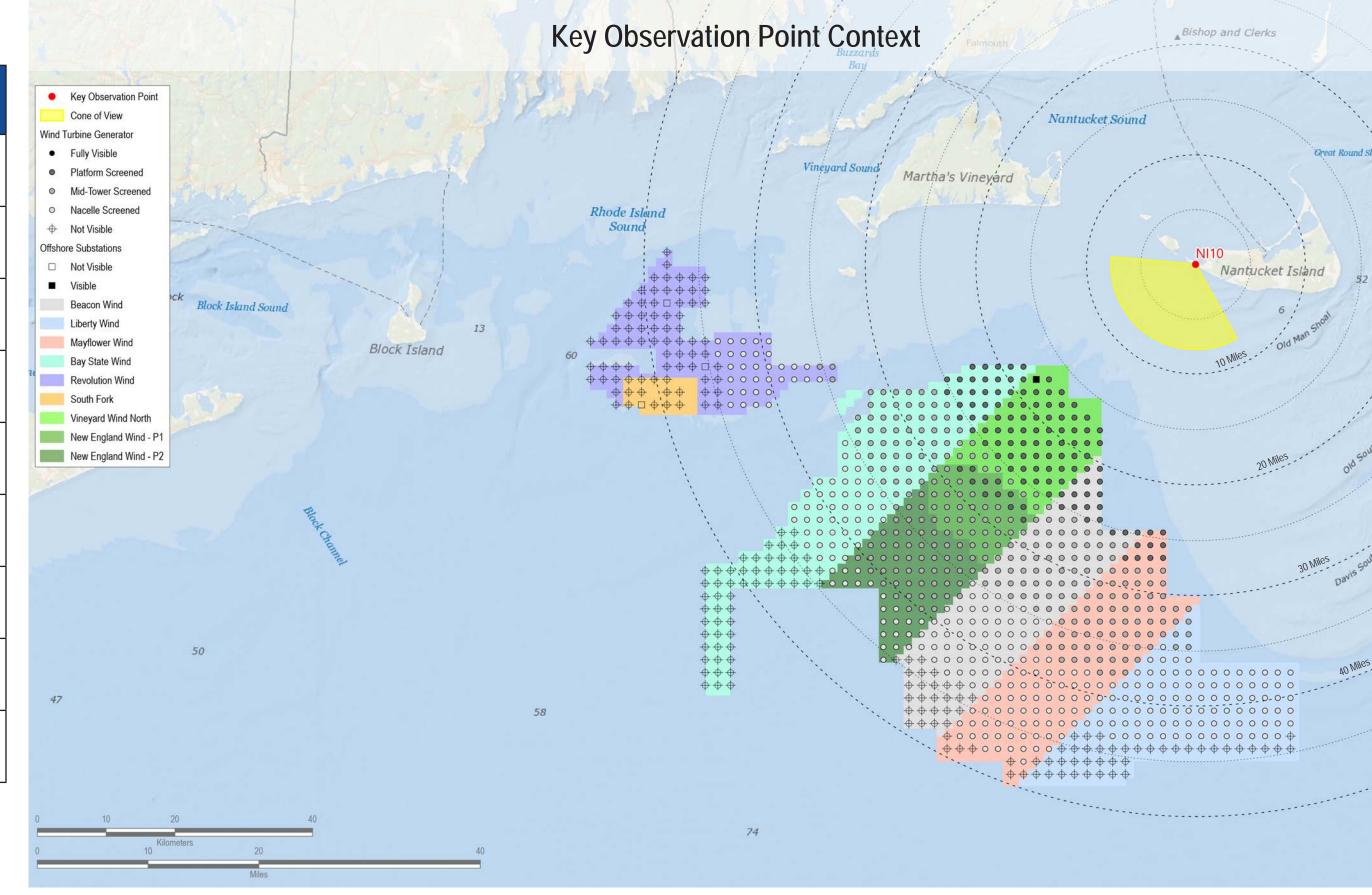
Landscape Similarity Zone: Shoreline Beach User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Madaket Beach, Nantucket National Historic Landmark

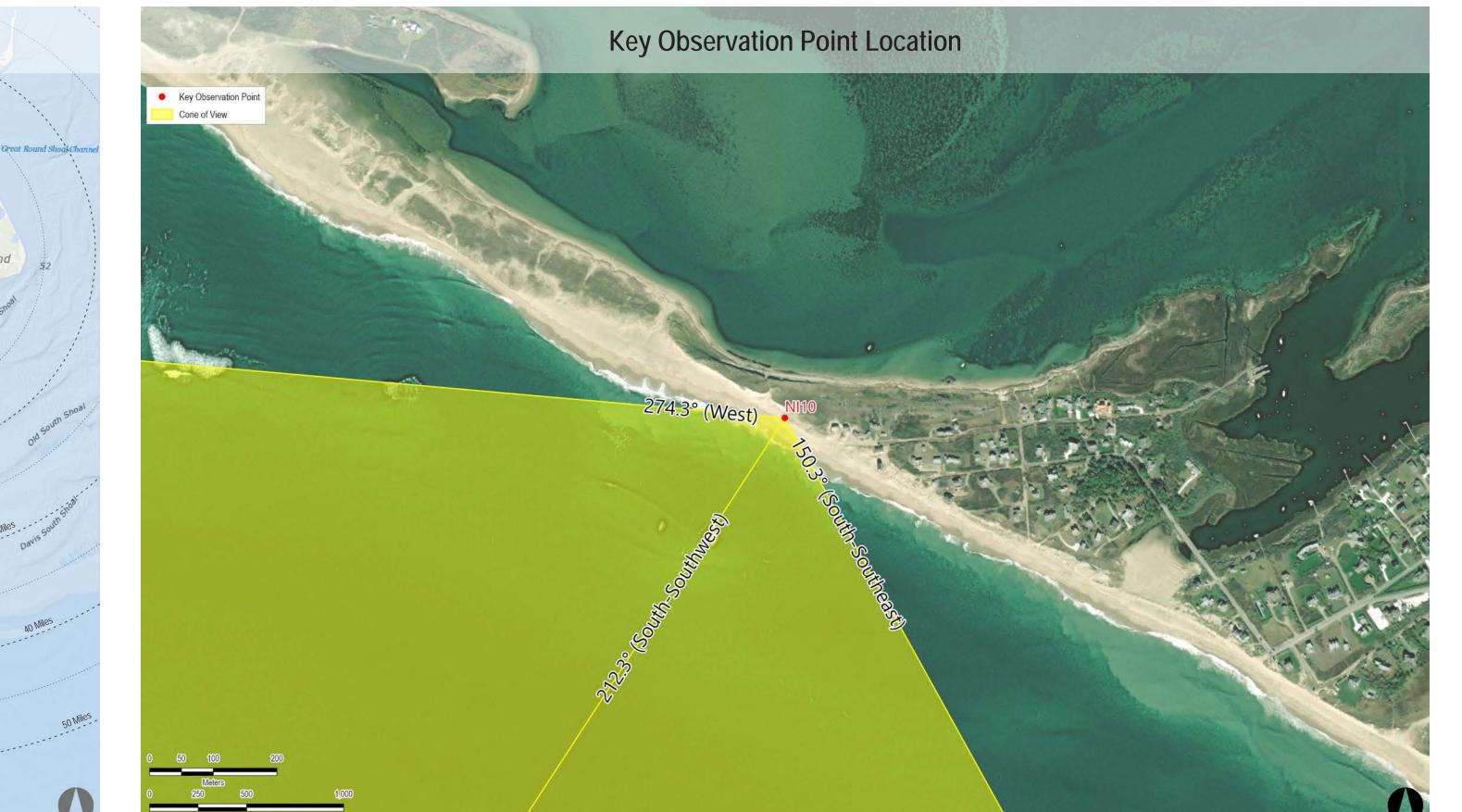
• Photosimulation Size: 64" in width by 29.3" in height. Images should be viewed from 15 inches in order to obtain the proper perspective. • The potential number of WTGs and OSSs screened from view was calculated using a curvature of the earth model based on the distance, viewer height, and maximum structure 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

• 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

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

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
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







# Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

NI10: Madaket Beach, Nantucket, Massachusetts

Visual Simulation: Sunrise Wind Without Other Foreseeable Future Changes



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

Camera Information

**Environmental Data** 

Wind Direction: South-Southwest

Wind Speed: 17 mph Conditions Observed: Fair

Date Taken: 9/12/2021

Time: 10:50 AM

Temperature: 76°F

Humidity: 74% Visibility: >10 miles

- 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 WTG, this degree of atmospheric perspective is not applied to the photosimulations. three-dimensional (3D) model of the island.

# 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

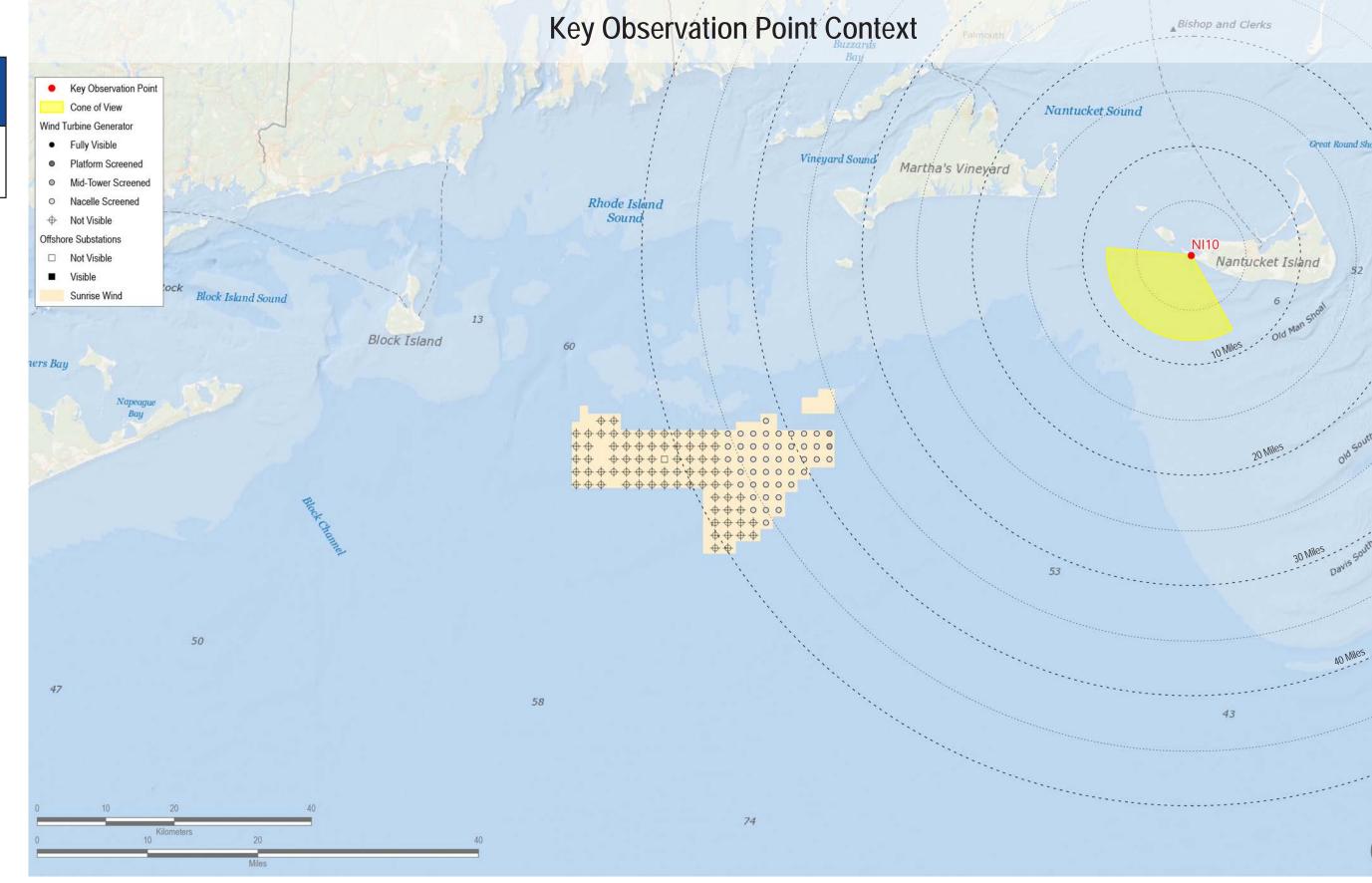
Landscape Similarity Zone: Shoreline Beach User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Madaket Beach, Nantucket National Historic Landmark

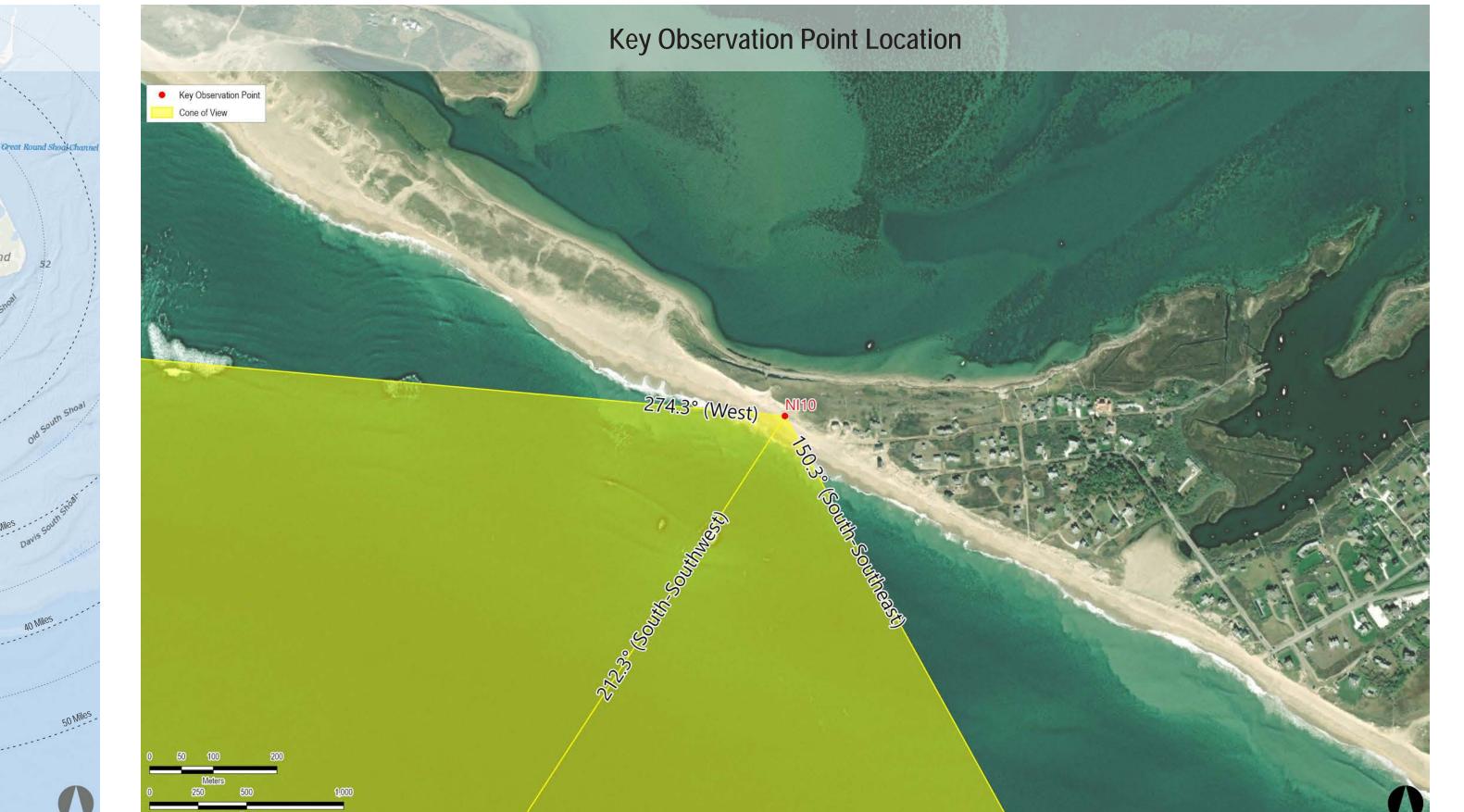
• Photosimulation Size: 64" in width by 29.3" in height. Images should be viewed from 15 inches in order to obtain the proper perspective. • The potential number of WTGs and OSSs screened from view was calculated using a curvature of the earth model based on the distance, viewer height, and maximum structure 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

# 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	46	123	36.5	45.9

perspective commonly occurring on clear days such as the conditions illustrated in this photosimulation. In order to illustrate maximum potential visibility of the proposed 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





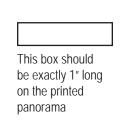


# Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

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

**Existing Conditions** 



**Environmental Data** Date Simulated\*: 12/12/2017 Time Simulated: 8:30 AM Temperature: NA Humidity: NA Visibility: >10 miles

Conditions Simulated: Partly Cloudy Virtual Camera Information Lens Focal Length: 50 mm Camera Height: 42.1 feet AMSL

Wind Direction: NA

Wind Speed: NA

# Notes:

- existing light sources.
- WTG, this degree of atmospheric perspective is not applied to the photosimulations. three-dimensional (3D) model of the island.

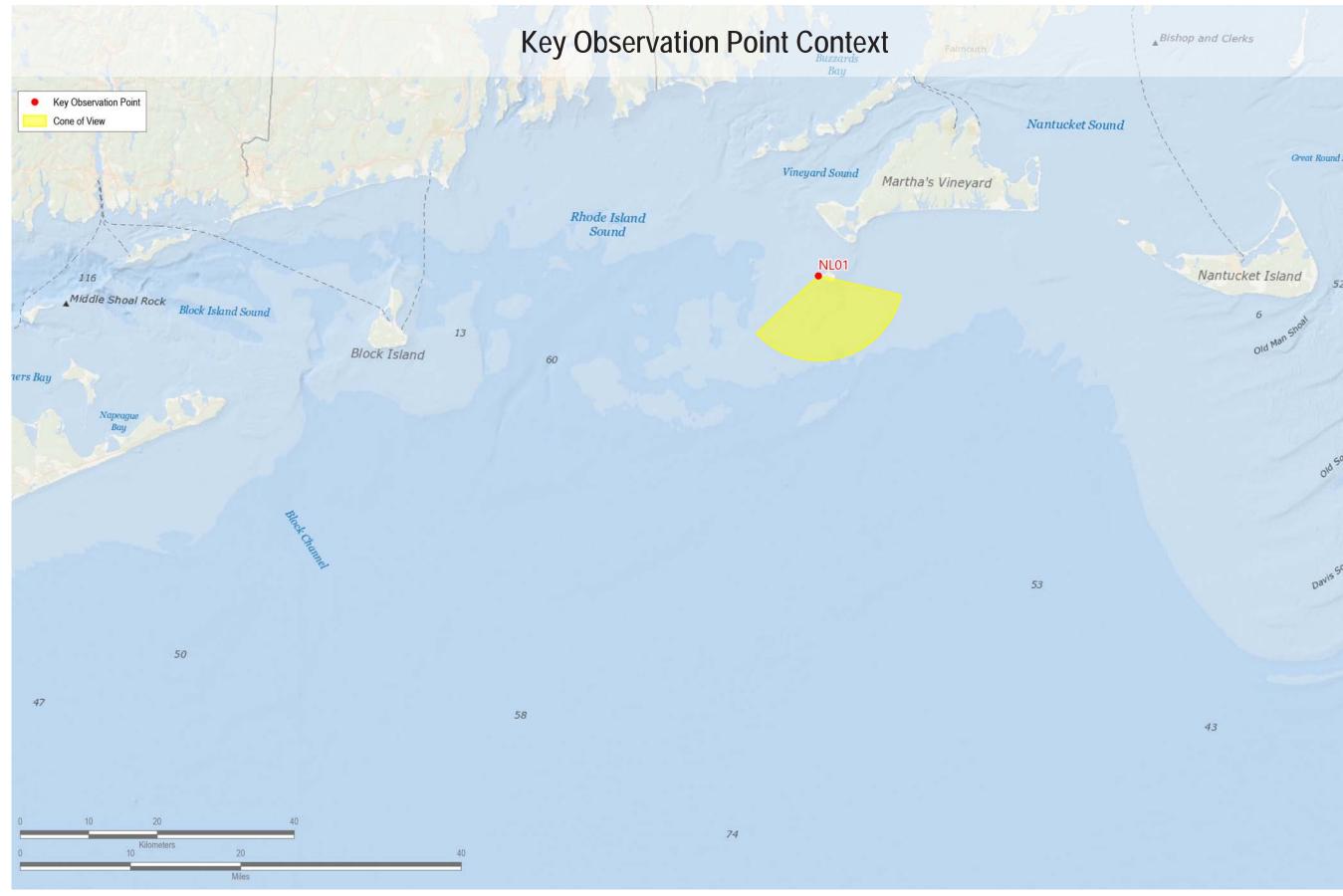
Key Observation Point Information County: Dukes Town: Chilmark State: Massachusetts Location: Nomans Land Island Latitude, Longitude: 41.25712° N, 70.83100° W Direction of View (Center): South-Southeast (163.9°) Field of View: 124° x 55°

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

• 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

• 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

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







# Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

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

Visual Simulation: 2023 and 2024 Project Construction (Revolution Wind, South Fork Wind, Vineyard Wind North, and New England Wind Phase 1&2)

# 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

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

# Notes:

- existing light sources.
- WTG, this degree of atmospheric perspective is not applied to the photosimulations. three-dimensional (3D) model of the island.



Key Observation Point Information County: Dukes	
5	
own: Chilmark	
State: Massachusetts	
ocation: Nomans Land Island	
atitude, Longitude: 41.25712° N, 70.83100° W	ļ
Direction of View (Center): South-Southeast (16	3.9°)
ield of View: 124° x 55°	

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

• 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.

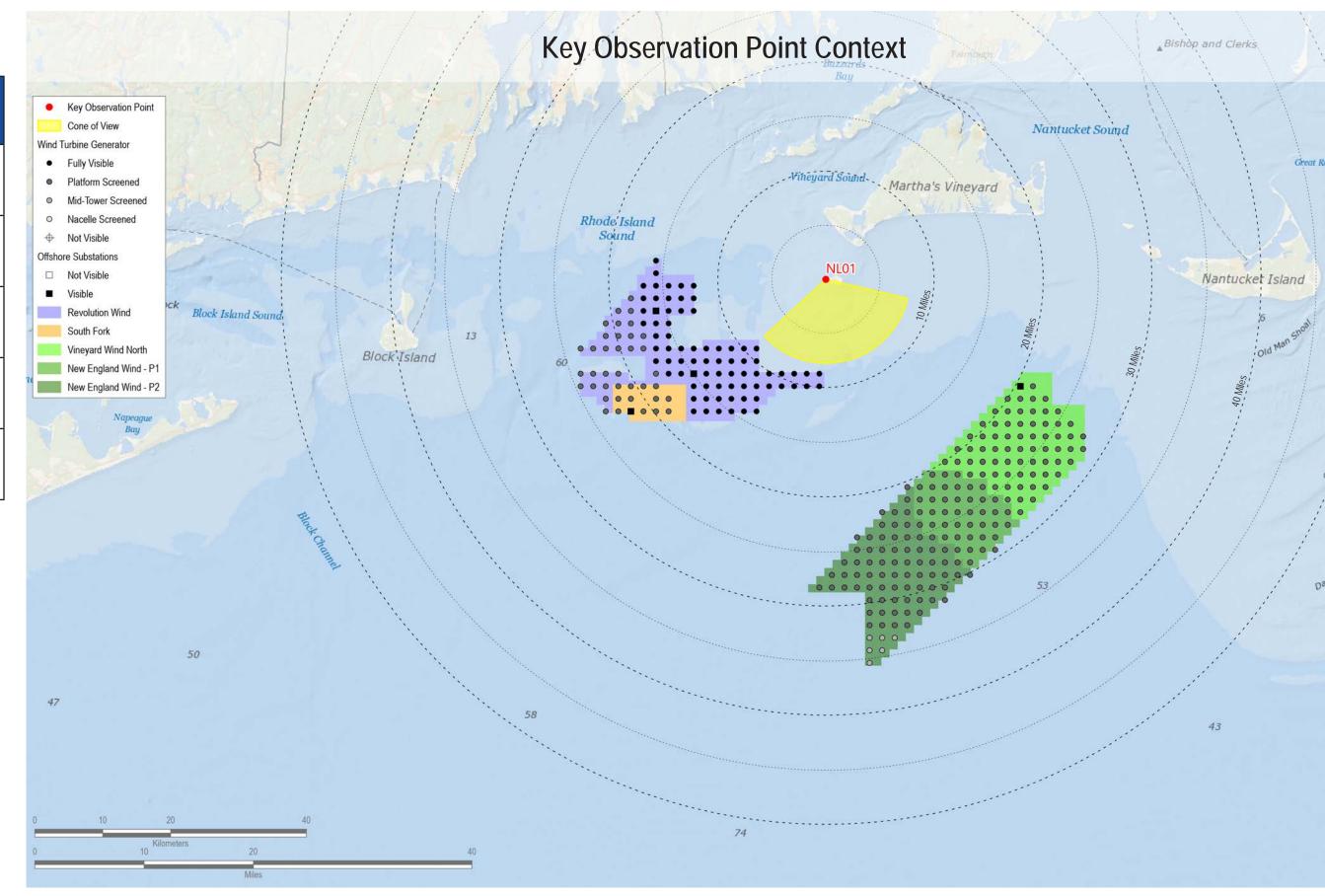
• Nighttime photosimulations are digitally adjusted from daytime photographs. Nighttime photographs captured at each represented KOP inform the presence or lack of

• 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

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

A Match Line NL01-B

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







# Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

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

Visual Simulation: 2023 and 2024 Project Construction with Sunrise Wind added (Sunrise Wind, Revolution Wind, South Fork Wind, Vineyard Wind North, and New England Wind Phase 1&2)

# 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

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

## Notes:

- existing light sources.
- 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 Information
County: Dukes
Town: Chilmark
State: Massachusetts
Location: Nomans Land Island
Latitude, Longitude: 41.25712° N, 70.83100° W
Direction of View (Center): South-Southeast (163.9°)
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

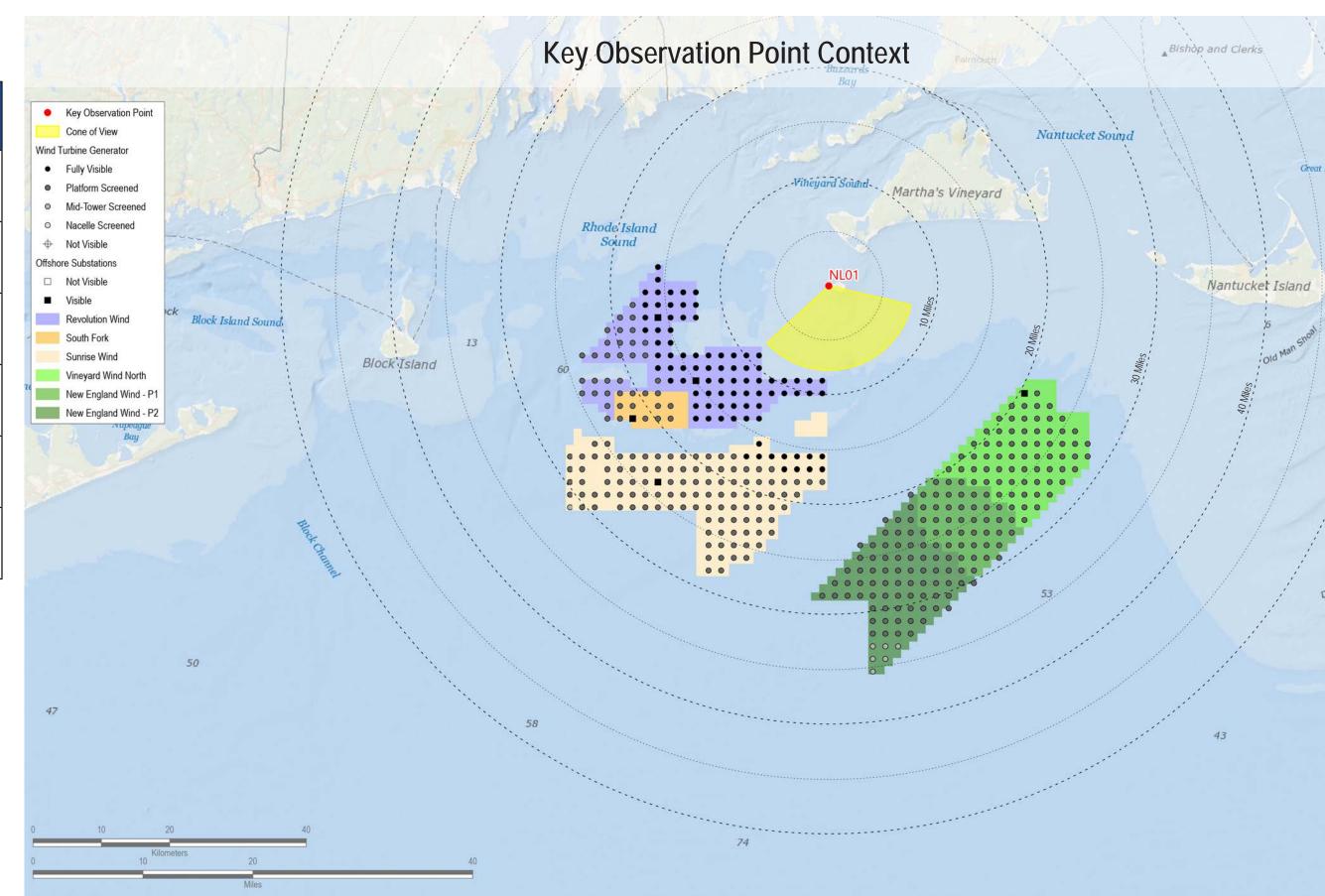
• Photosimulation Size: 64" in width by 29.3" in height. Images should be viewed from 15 inches in order to obtain the proper perspective. • The potential number of WTGs and OSSs screened from view was calculated using a curvature of the earth model based on the distance, viewer height, and maximum structure 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

• 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

Match Line NL01-B

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







# Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

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

Visual Simulation: Full Lease Build-out Including Sunrise Wind

# 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

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

## Notes:

- Photosimulation Size: 64" in width by 29.3" in height. Ima The potential number of WTGs and OSSs screened from structure height. This analysis does not consider the scre Offshore Substation location and dimensions are based of
- for all foundation positions. OSS positions and dimension Nighttime photosimulations are digitally adjusted from day existing light sources.
- The existing WTGs associated with the Block Island Wind F WTG, this degree of atmospheric perspective is not applied to the photosimulations. three-dimensional (3D) model of the island.



	-	Match Line NL01-B				
Key Observation Point Information	Reasonably	Foreseeable P	rojects Rep	resented in \	/isual Simul	a
County: Dukes Town: Chilmark	Project	Year of Development	WTG Model	Potential Number of WTGs & OSSs Visible*	Total Number of WTGs & OSSs in Project	
State: Massachusetts Location: Nomans Land Island Latitude, Longitude: 41.25712° N, 70.83100° W	South Fork Wind Farm	2023	12 MW	13	13	
Direction of View (Center): South-Southeast (163.9°) Field of View: 124° x 55°	Vineyard Wind North	2023	14 MW	69	69	
	Revolution Wind	2023	12 MW	102	102	
Visual Resources Landscape Similarity Zone: Coastal Bluff	New England Wind Phase 1	2024	16 MW	41	41	
User Group: No Access Aesthetic Resource: Nomans Land Island National Wildlife Refuge	New England Wind Phase 2	2024	19 MW	79	79	
	Sunrise Wind	2024	15 MW	123	123	
Images should be viewed from 15 inches in order to obtain the proper perspective. rom view was calculated using a curvature of the earth model based on the distance, viewer height, and maximum	Mayflower Wind	2024	12 MW	149	149	
screening effects of intervening vegetation, structures, and topography. ed on preliminary publicly available project data. Projects for which this data is not currently available, WTGs are used sions considered in this photosimulation are subject to potential modification.	Liberty Wind	2025-2030	12 MW	17	139	
daytime photographs. Nighttime photographs captured at each represented KOP inform the presence or lack of Vind Farm are 16.9 miles from KOP LI04. In the daytime photosimulation, the WTGs appear faint due to atmospheric	Beacon Wind	2025-2030	12 MW	157	157	
				Ì		$\square$

Bay State Wind

2025-2030

185

12 MW

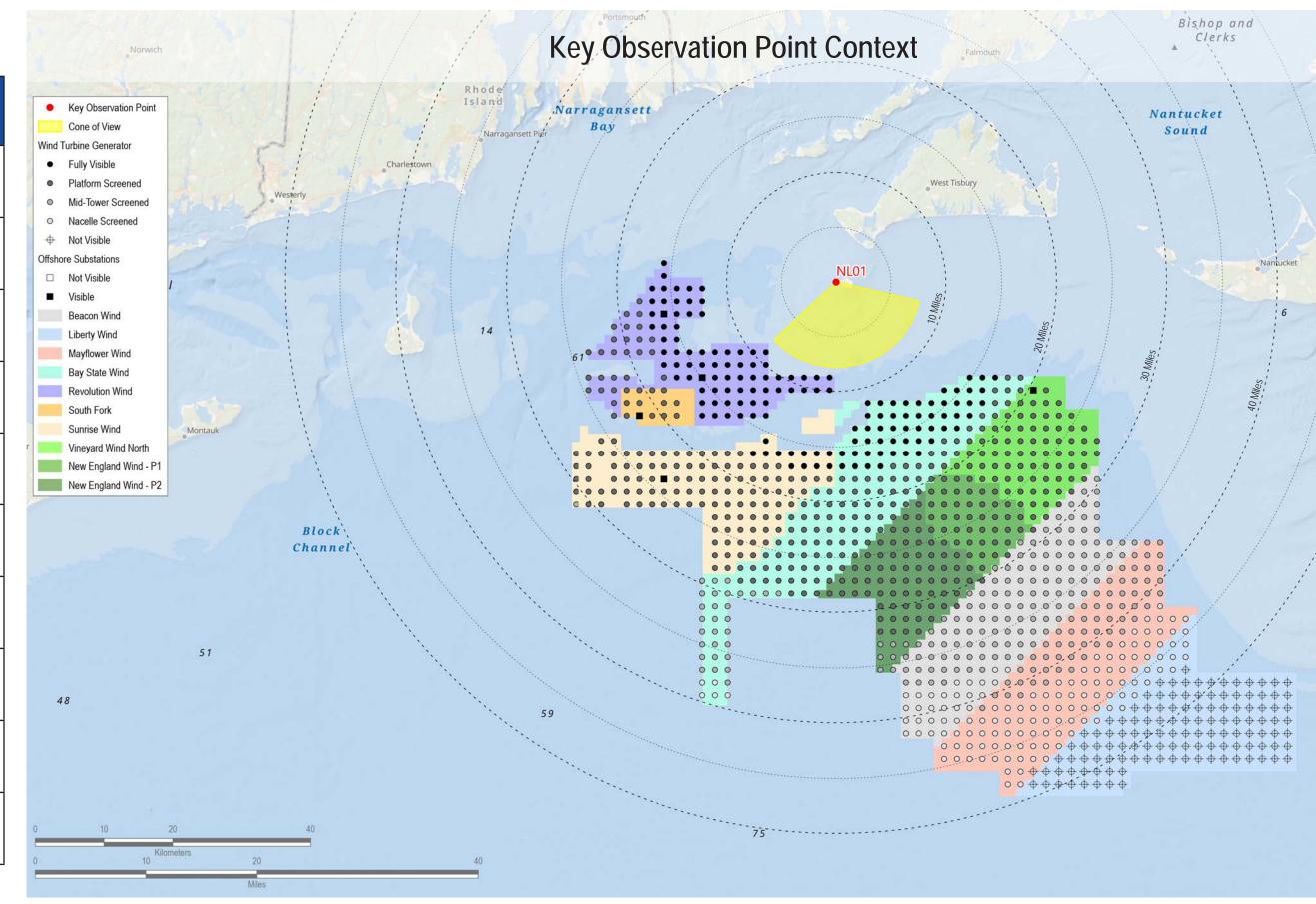
185

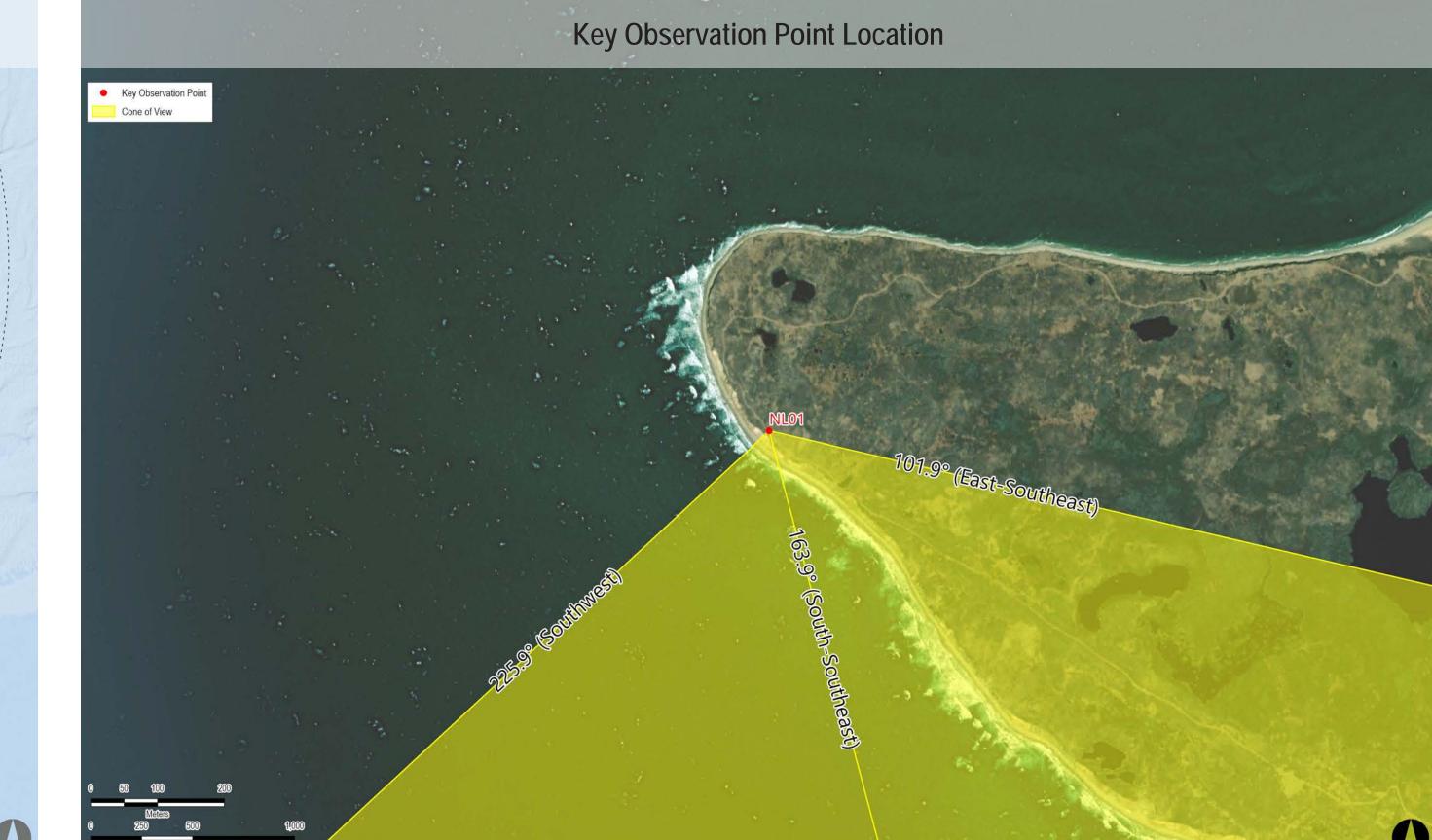
perspective commonly occurring on clear days such as the conditions illustrated in this photosimulation. In order to illustrate maximum potential visibility of the proposed Photographs were not obtained from NL01 during field review due to public access restrictions. In place of an actual photograph from this location, EDR created a virtual

# Match Line NI 01-B

# mulation

18.1   22.5     19.5   28.2     8.7   24.5     20.4   29.2     20.4   35.4     15.6   31.0     36.6   48.5     43.9   46.5     28.5   42.1     11.3   39.4	of in	Distance to Nearest Visible WTG (miles)	Distance to Furthest Visible WTG (miles)
8.7   24.5     20.4   29.2     20.4   35.4     15.6   31.0     36.6   48.5     43.9   46.5     28.5   42.1		18.1	22.5
20.4   29.2     20.4   35.4     15.6   31.0     36.6   48.5     43.9   46.5     28.5   42.1		19.5	28.2
20.4   35.4     15.6   31.0     36.6   48.5     43.9   46.5     28.5   42.1		8.7	24.5
15.6   31.0     36.6   48.5     43.9   46.5     28.5   42.1		20.4	29.2
36.6   48.5     43.9   46.5     28.5   42.1		20.4	35.4
43.9 46.5   28.5 42.1		15.6	31.0
28.5 42.1		36.6	48.5
		43.9	46.5
11.3 39.4		28.5	42.1
		11.3	39.4







# Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

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

Visual Simulation: Full Lease Build-out Excluding Sunrise Wind

# 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

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

## Notes:

- Photosimulation Size: 64" in width by 29.3" in height. • The potential number of WTGs and OSSs screened fi structure height. This analysis does not consider the s Offshore Substation location and dimensions are base
- for all foundation positions. OSS positions and dimens Nighttime photosimulations are digitally adjusted from d 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. three-dimensional (3D) model of the island.

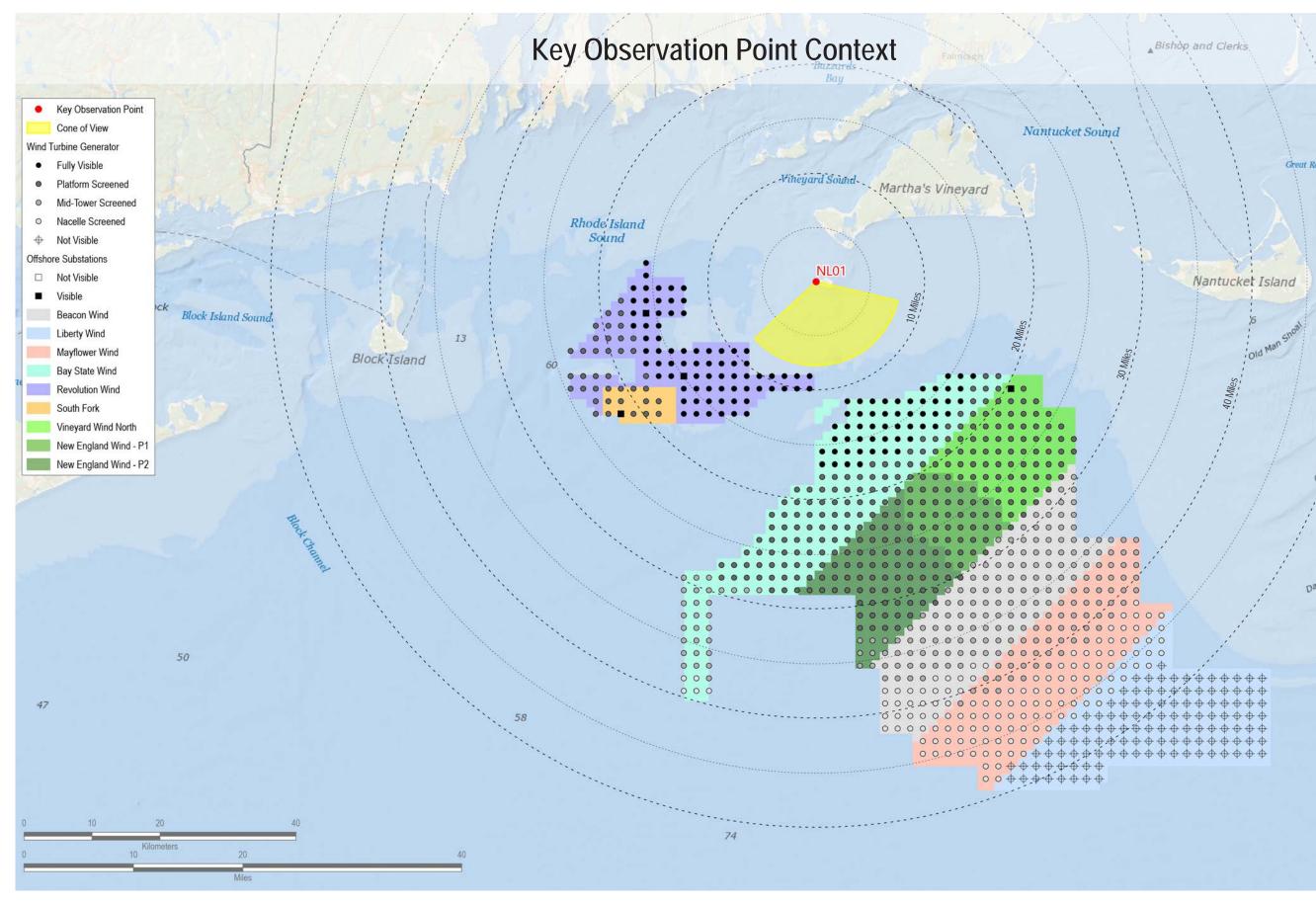


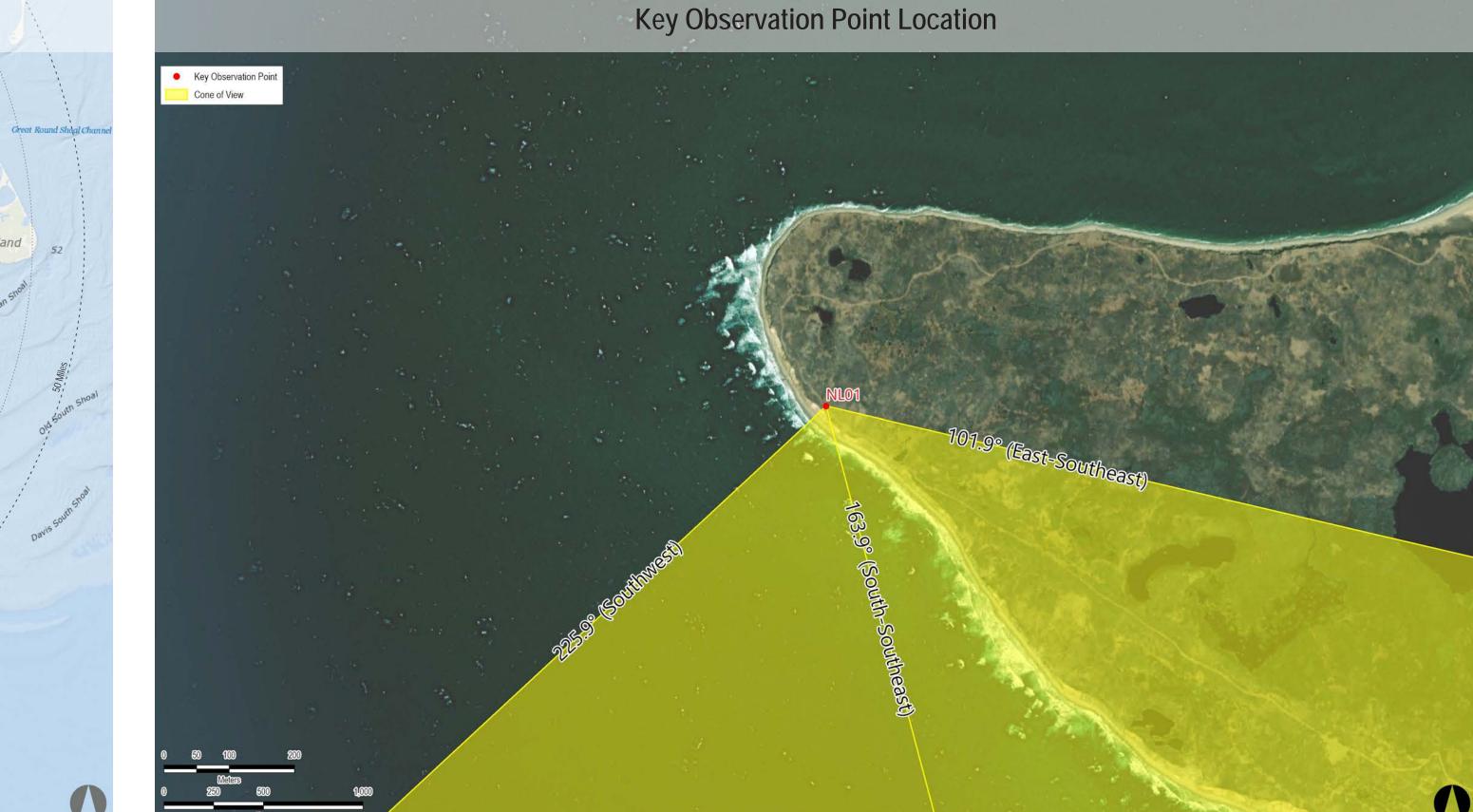
	-				
Key Observation Point Information	Reasonably	Foreseeable P	rojects Rep	resented in \	/isual Simul
County: Dukes Town: Chilmark	Project	Year of Development	WTG Model	Potential Number of WTGs & OSSs Visible*	Total Number of WTGs & OSSs in Project
State: Massachusetts Location: Nomans Land Island Latitude, Longitude: 41.25712° N, 70.83100° W	South Fork Wind Farm	2023	12 MW	13	13
Direction of View (Center): South-Southeast (163.9°) Field of View: 124° x 55°	Vineyard Wind North	2023	14 MW	69	69
dy	Revolution Wind	2023	12 MW	102	102
Visual Resources Landscape Similarity Zone: Coastal Bluff	New England Wind Phase 1	2024	16 MW	41	41
User Group: No Access Aesthetic Resource: Nomans Land Island National Wildlife Refuge	New England Wind Phase 2	2024	19 MW	79	79
	Mayflower Wind	2024	12 MW	149	149
ht. Images should be viewed from 15 inches in order to obtain the proper perspective. ed from view was calculated using a curvature of the earth model based on the distance, viewer height, and maximum	Liberty Wind	2025-2030	12 MW	17	139
he screening effects of intervening vegetation, structures, and topography. based on preliminary publicly available project data. Projects for which this data is not currently available, WTGs are used nensions considered in this photosimulation are subject to potential modification.	Beacon Wind	2025-2030	12 MW	157	157
rom daytime photographs. Nighttime photographs captured at each represented KOP inform the presence or lack of	Bay State Wind	2025-2030	12 MW	185	185

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

# sual Simulation

Total Number of WTGs & OSSs in Project	Distance to Nearest Visible WTG (miles)	Distance to Furthest Visible WTG (miles)
13	18.1	22.5
69	19.5	28.2
102	8.7	24.5
41	20.4	29.2
79	20.4	35.4
149	36.6	48.5
139	43.9	46.5
157	28.5	42.1
185	11.3	39.4







# Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

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

Visual Simulation: Sunrise Wind Without Other Foreseeable Future Changes

# 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

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

## Notes:

- Nighttime photosimulations are digitally adjusted from daytime photographs. Nighttime photographs captured at each represented KOP inform the presence or lack of existing light sources.
- WTG, this degree of atmospheric perspective is not applied to the photosimulations. three-dimensional (3D) model of the island.

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



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): South-Southeast (163.9°)
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

• 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.

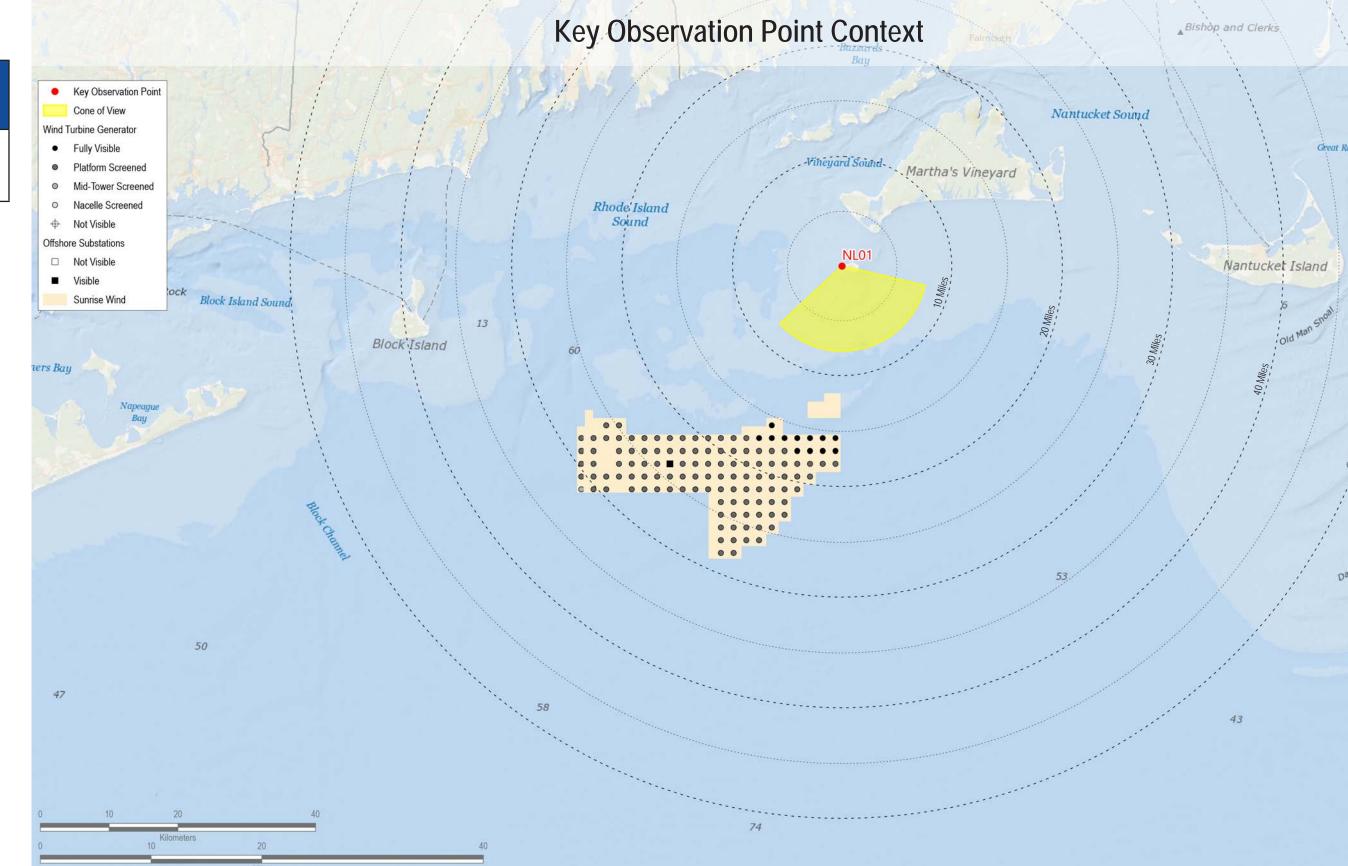
• The existing WTGs associated with the Block Island Wind Farm are 16.9 miles from KOP LI04. In the daytime photosimulation, the WTGs appear faint due to atmospheric

perspective commonly occurring on clear days such as the conditions illustrated in this photosimulation. In order to illustrate maximum potential visibility of the proposed

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

## A Match Line NL01-B

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





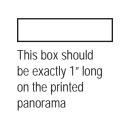


# Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

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

**Existing Conditions** 



Date Simulated\*: 12/12/2017 Time Simulated: 8:30 AM Temperature: NA Humidity: NA Visibility: >10 miles

Conditions Simulated: Partly Cloudy Virtual Camera Information Lens Focal Length: 50 mm Camera Height: 42.1 feet AMSL

Wind Direction: NA

Wind Speed: NA

# Notes:

- existing light sources.
- WTG, this degree of atmospheric perspective is not applied to the photosimulations. three-dimensional (3D) model of the island.

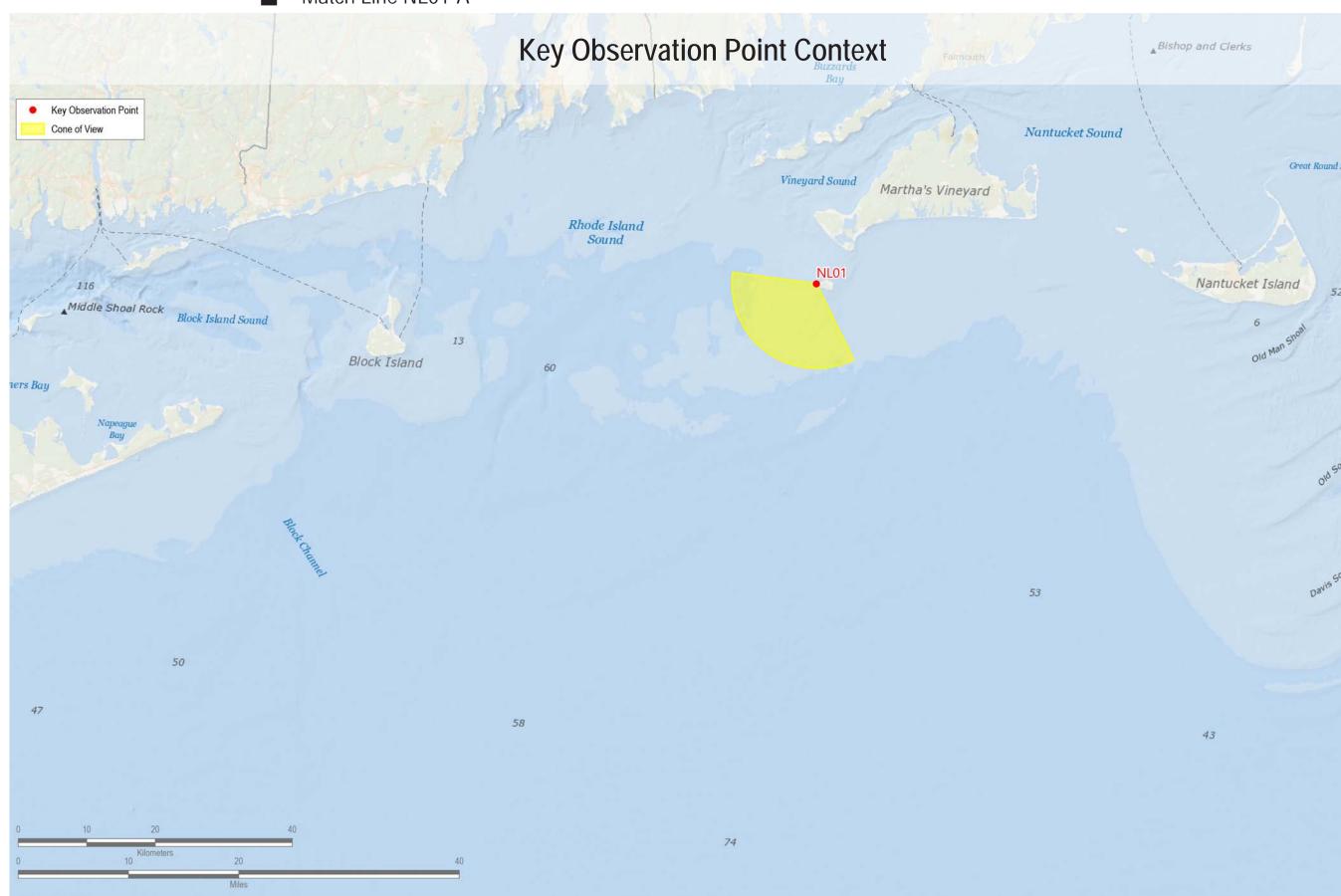
Key Observation Point Information County: Dukes Town: Chilmark State: Massachusetts Location: Nomans Land Island Latitude, Longitude: 41.25712° N, 70.83100° W Direction of View (Center): Southwest (214.6°) Field of View: 124° x 55°

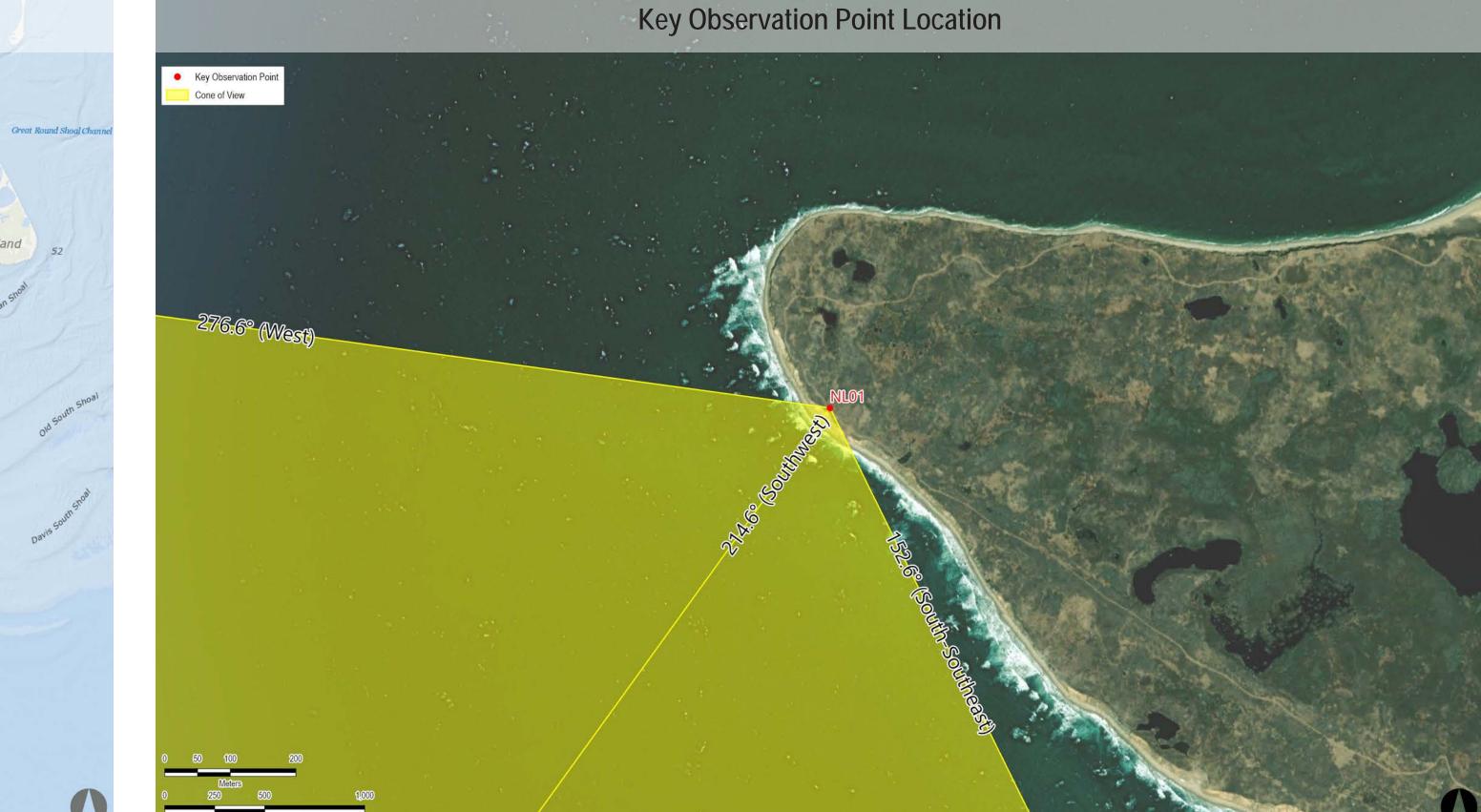
Visual Resources Landscape Similarity Zone: Coastal Bluff User Group: No Access Aesthetic Resource: Nomans Land Island National Wildlife Refuge

• 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

• 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

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







# Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

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

Visual Simulation: 2023 and 2024 Project Construction (Revolution Wind, South Fork Wind, Vineyard Wind North, and New England Wind Phase 1&2)

# 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

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

## Notes:

- for all foundation positions. OSS positions and dimensions considered in this photosimulation are subject to potential modification. existing light sources.
- 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.

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



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	

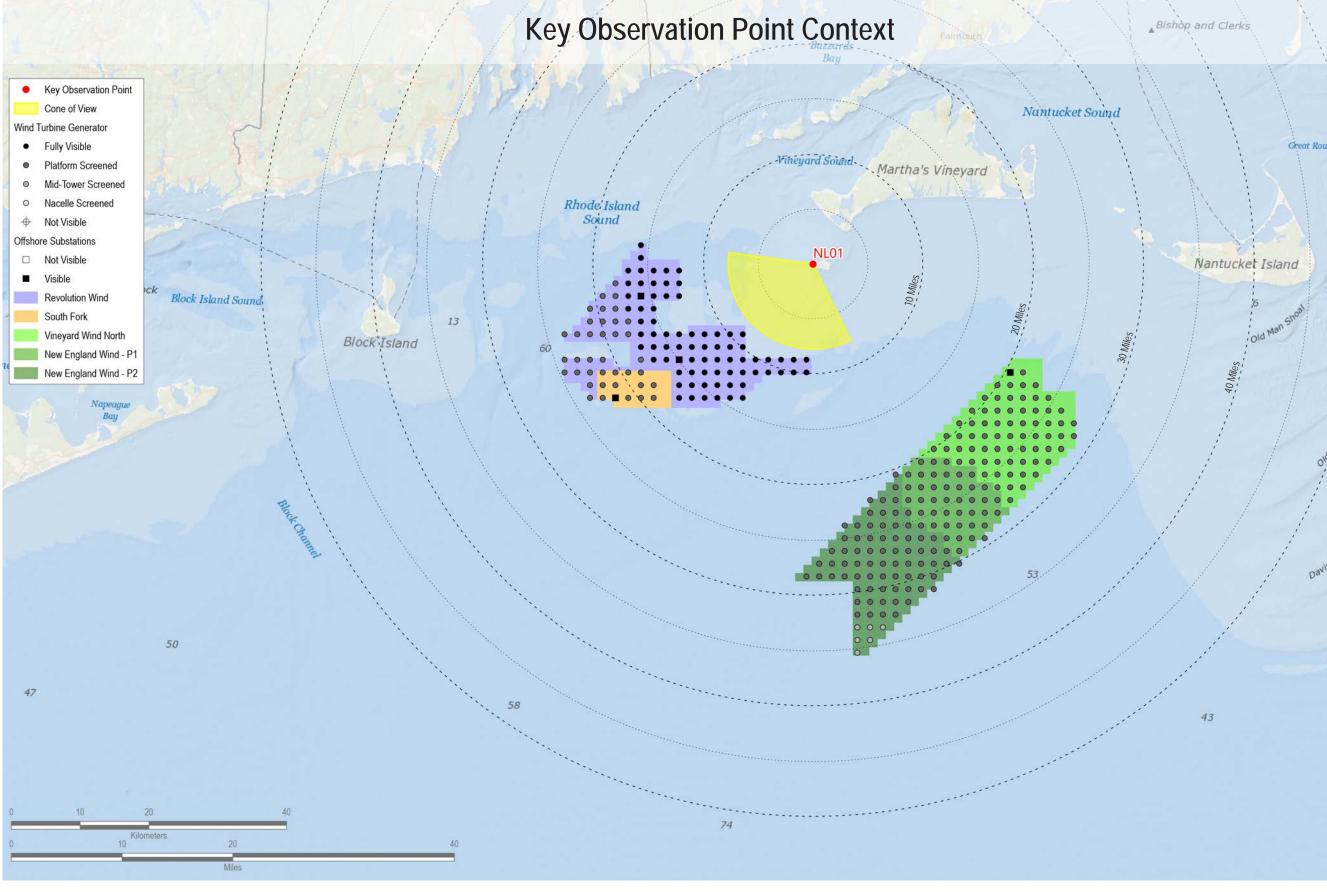
Landscape Similarity Zone: Coastal Bluff User Group: No Access Aesthetic Resource: Nomans Land Island National Wildlife Refuge

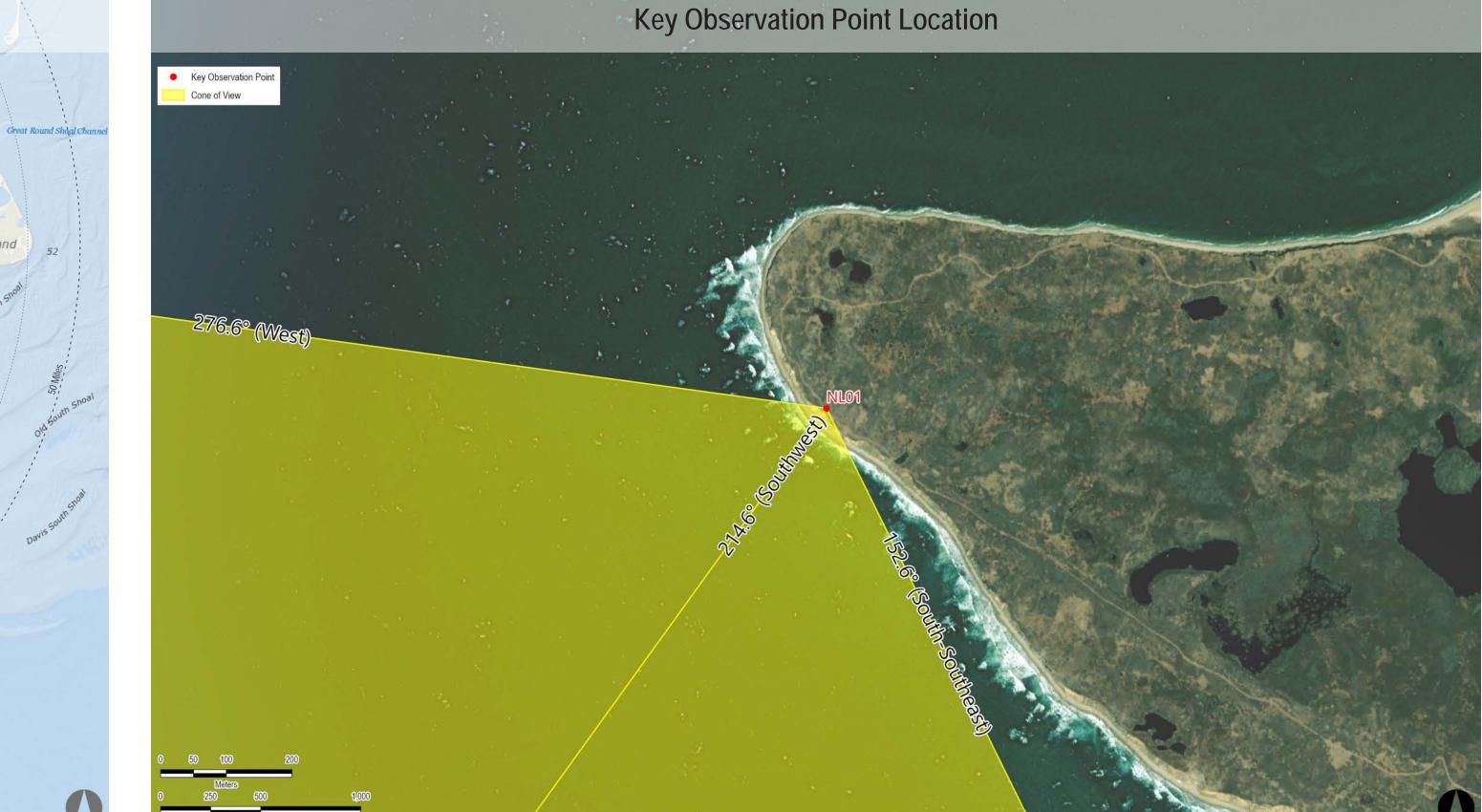
• Photosimulation Size: 64" in width by 29.3" in height. Images should be viewed from 15 inches in order to obtain the proper perspective. • The potential number of WTGs and OSSs screened from view was calculated using a curvature of the earth model based on the distance, viewer height, and maximum structure 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

• Nighttime photosimulations are digitally adjusted from daytime photographs. Nighttime photographs captured at each represented KOP inform the presence or lack of

• 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

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







# Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

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

Visual Simulation: 2023 and 2024 Project Construction with Sunrise Wind added (Sunrise Wind, Revolution Wind, South Fork Wind, Vineyard Wind North, and New England Wind Phase 1&2)

# 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

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

## Notes:

- for all foundation positions. OSS positions and dimensions considered in this photosimulation are subject to potential modification. existing light sources.
- 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 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

• 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

• Nighttime photosimulations are digitally adjusted from daytime photographs. Nighttime photographs captured at each represented KOP inform the presence or lack of

• 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

2023

Project

South Fork Wind Farm

Vineyard Wind North	2023	14 MW	69	69
Revolution Wind	2023	12 MW	102	102
New England Wind Phase 1	2024	16 MW	41	41
New England Wind Phase 2	2024	19 MW	79	79
Sunrise Wind	2024	15 MW	123	123

Year of Development WTG Model of WTGs & OSSs WTGs & OS

12 MW

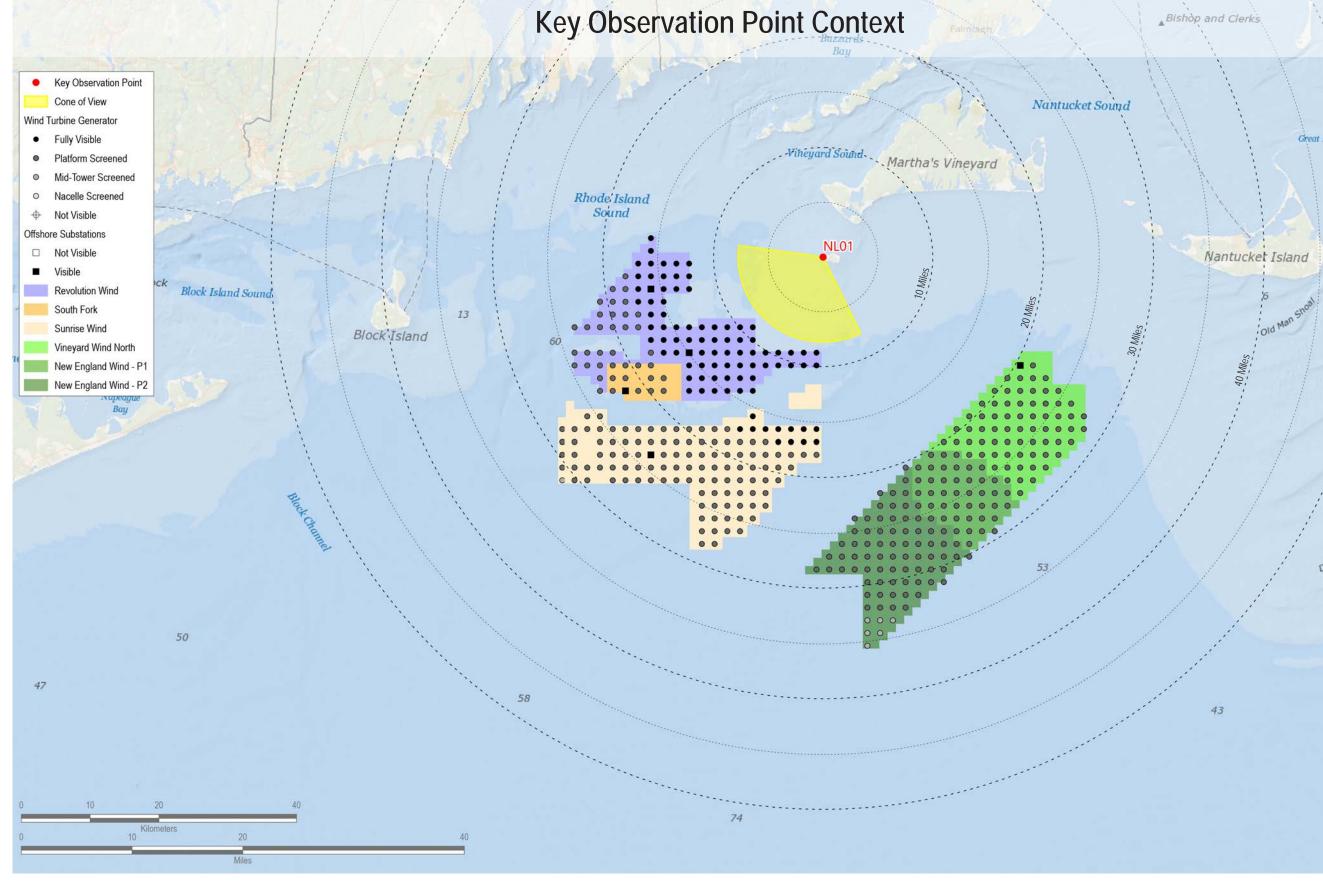
Potential Number Total Number

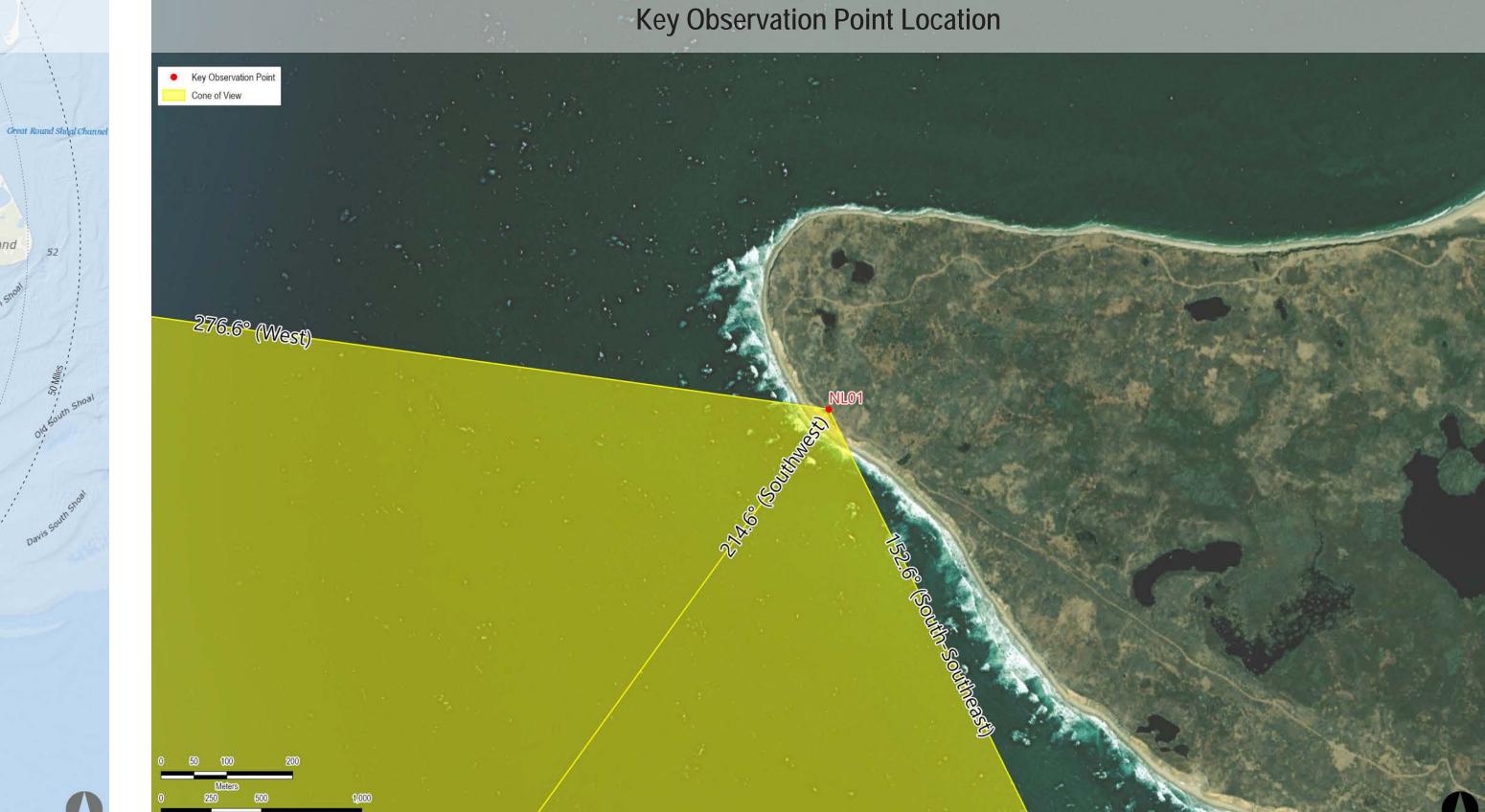
Project

Visible\*

13

of in	Distance to Nearest Visible WTG (miles)	Distance to Furthest Visible WTG (miles)
	18.1	22.5
	19.5	28.2
	8.7	24.5
	20.4	29.2
	20.4	35.4
	15.6	31.0







# 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

# 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

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

# Notes:

- Photosimulation Size: 64" in width by 29.3" in height. Ima The potential number of WTGs and OSSs screened fron structure height. This analysis does not consider the scre Offshore Substation location and dimensions are based
- for all foundation positions. OSS positions and dimension Nighttime photosimulations are digitally adjusted from day 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.

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

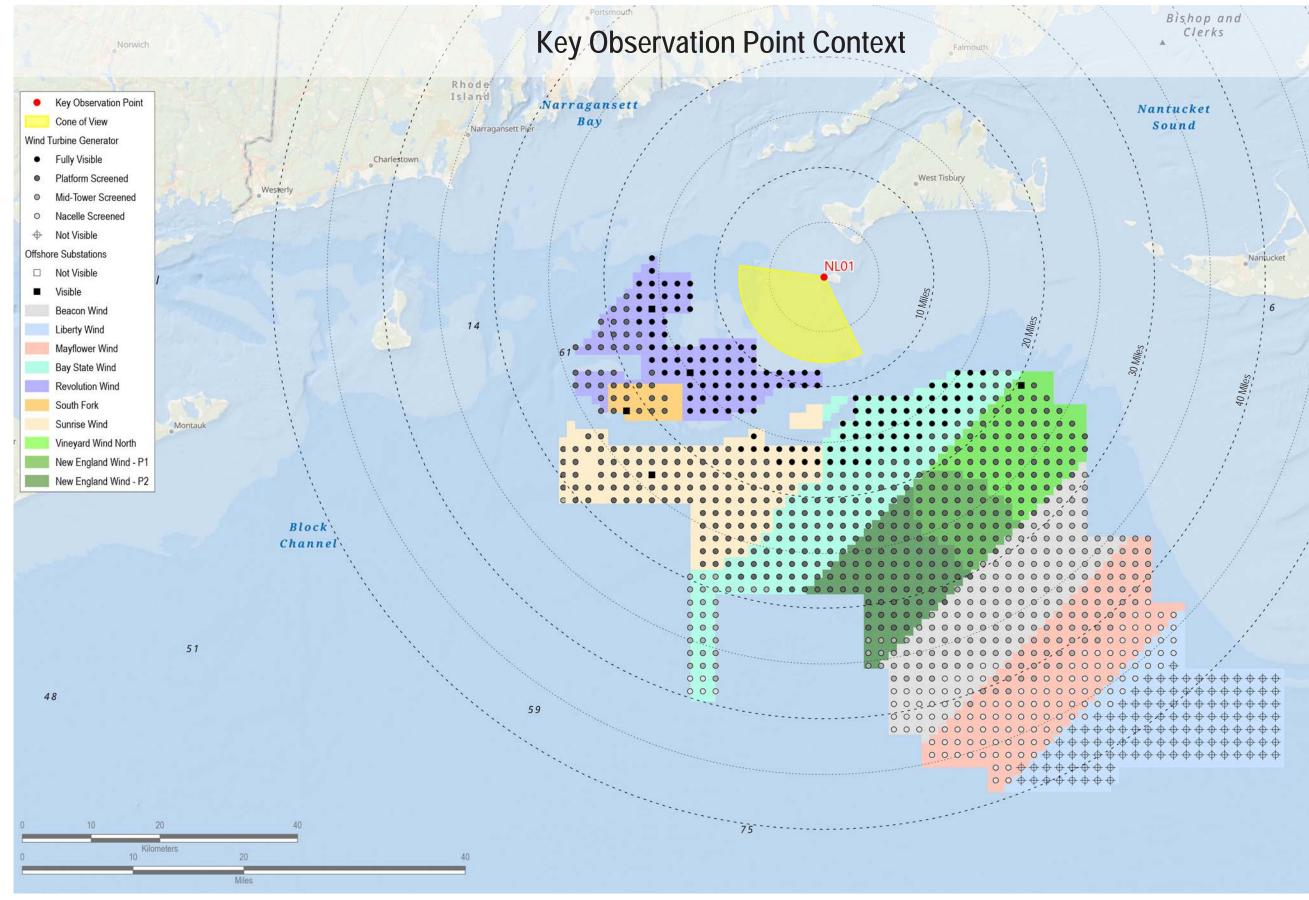


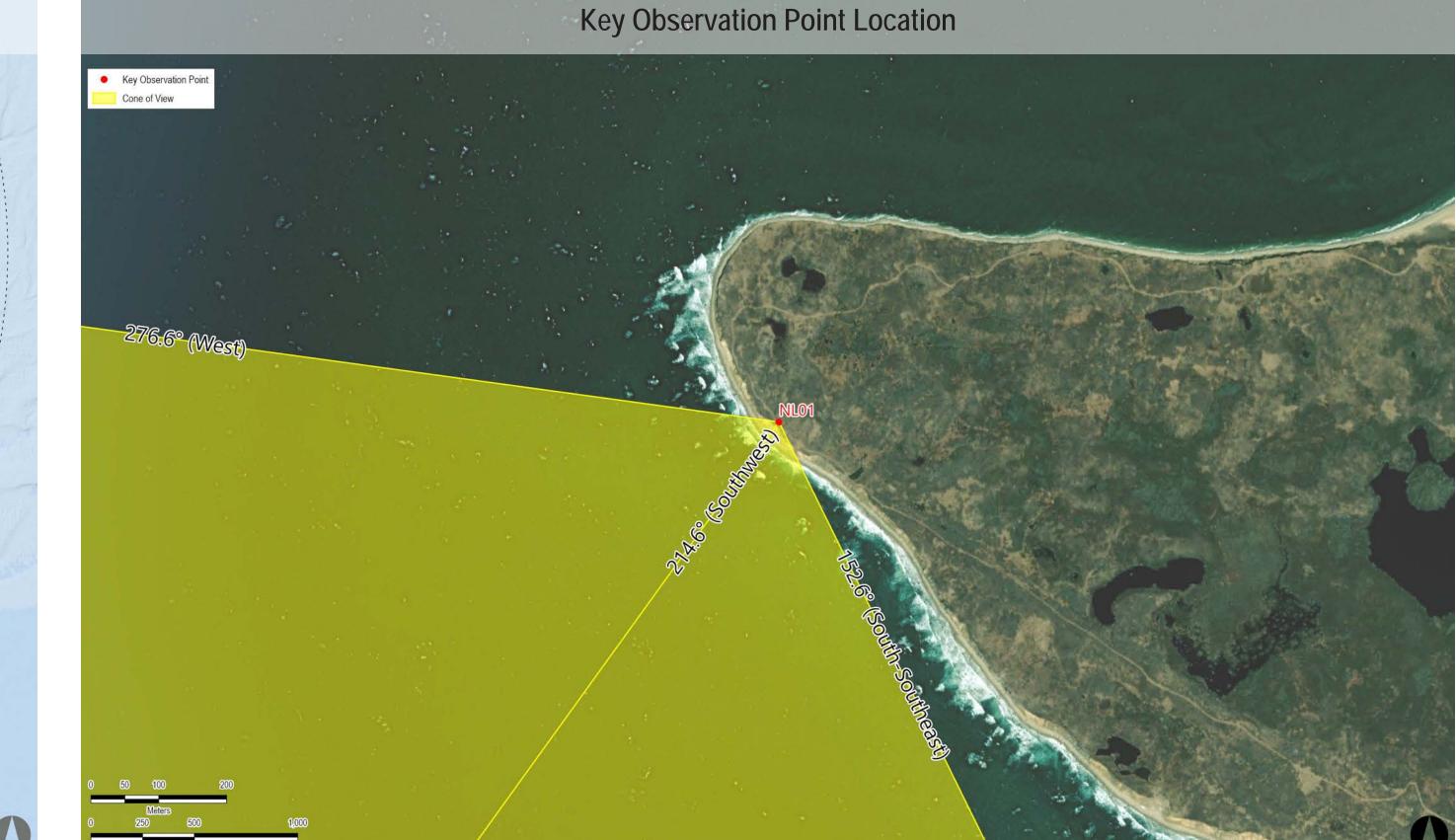
Ke	y Observation Point Information
Cou	Inty: Dukes
Tow	<b>/n</b> : Chilmark
Sta	te: Massachusetts
Loc	ation: Nomans Land Island
Lati	tude, Longitude: 41.25712° N, 70.83100° W
Dire	ection of View (Center): Southwest (214.6°)
Fiel	d of View: 124° x 55°
Visi	ual Resources
_	dscape Similarity Zone: Coastal Bluff
	er Group: No Access
	thetic Resource: Nomans Land Island National Wildlife Refuge
mages should	be viewed from 15 inches in order to obtain the proper perspective.
	calculated using a curvature of the earth model based on the distance, viewer height, and maximum ts of intervening vegetation, structures, and topography.
d on prelimina	ary publicly available project data. Projects for which this data is not currently available, WTGs are used
	ed in this photosimulation are subject to potential modification.
uayume pholo	ographs. Nighttime photographs captured at each represented KOP inform the presence or lack of

# 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

of	Distan
n	Nearest
	WTG (r







# 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 Excluding Sunrise Wind

# 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

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

## Notes:

- for all foundation positions. OSS positions and dimensions considered in this photosimulation are subject to potential modification. existing light sources.
- WTG, this degree of atmospheric perspective is not applied to the photosimulations. three-dimensional (3D) model of the island.



Key Ob	oservation Point Information
County:	Dukes
Town: Ch	nilmark
State: Ma	assachusetts
Location	: Nomans Land Island
Latitude,	Longitude: 41.25712° N, 70.83100° W
Directior	of View (Center): Southwest (214.6°)
Field of \	<b>/iew:</b> 124° x 55°
Visual Re	esources
Landsca	pe Similarity Zone: Coastal Bluff

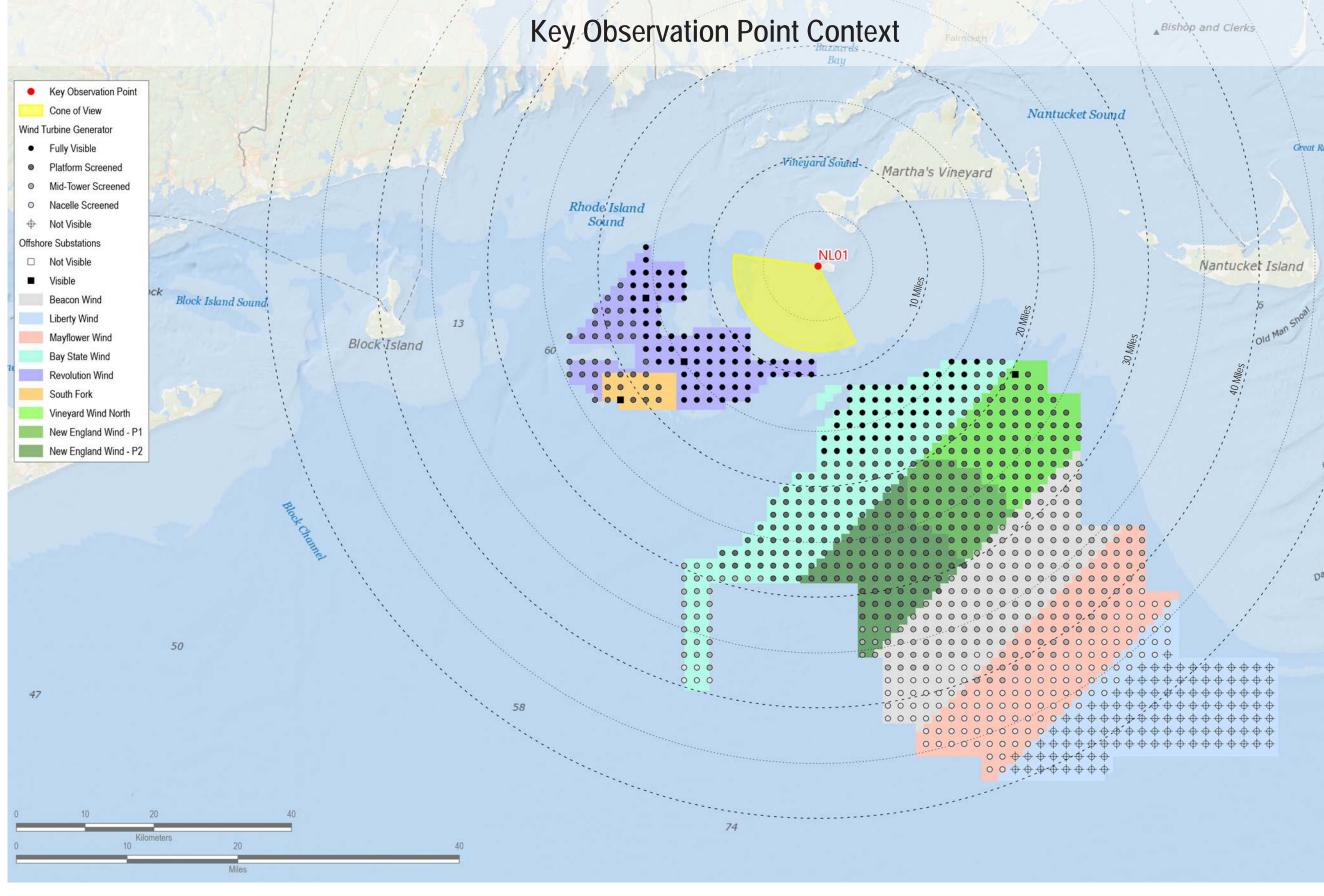
User Group: No Access Aesthetic Resource: Nomans Land Island National Wildlife Refuge

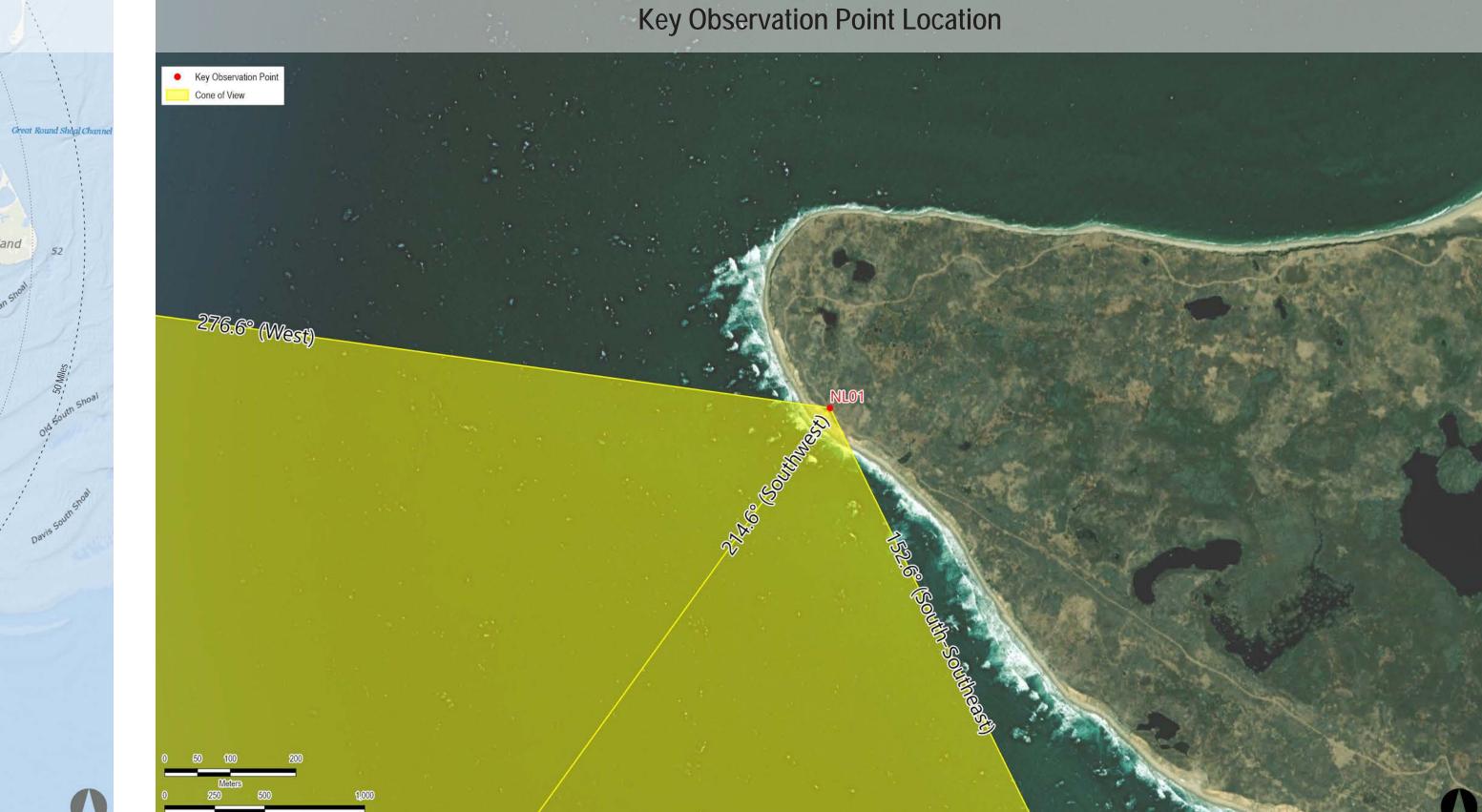
• Photosimulation Size: 64" in width by 29.3" in height. Images should be viewed from 15 inches in order to obtain the proper perspective. • The potential number of WTGs and OSSs screened from view was calculated using a curvature of the earth model based on the distance, viewer height, and maximum structure 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

• Nighttime photosimulations are digitally adjusted from daytime photographs. Nighttime photographs captured at each represented KOP inform the presence or lack of

• 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 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

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
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







# Powered by Ørsted & Eversource

Appendix A: Sunrise Wind Cumulative Visual Simulations

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

Visual Simulation: Sunrise Wind Without Other Foreseeable Future Changes

# 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

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

## Notes:

- existing light sources.
- WTG, this degree of atmospheric perspective is not applied to the photosimulations. three-dimensional (3D) model of the island.



# 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

• 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

• 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

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

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

