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

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

**Existing Conditions** 

Simulation Size: 66" 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.



## Temperature: 40°F Humidity: 65% Visibility: >10 miles

Time: 11:40 AM

**Environmental Data** 

Date Taken: 1/12/2022

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. • 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 (186.5°) 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: 66" in width by 29.3" in height. Images should be viewed from 15 inches in order to obtain the proper perspective. • The potential number of WTGs and OSSs screened from view was calculated using a curvature of the earth model based on the distance, viewer height, and maximum structure height. This analysis does not consider the screening effects of intervening vegetation, structures, and topography. • Offshore Substation location and dimensions are based on preliminary publicly available project data. Projects for which this data is not currently available, WTGs are used for all foundation positions. OSS positions and dimensions considered in this photosimulation are subject to potential modification. • Nighttime photosimulations are digitally adjusted from daytime photographs. Nighttime photographs captured at each represented KOP inform the presence or lack of

• 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







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

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

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



### Wind Direction: Southwest Wind Speed: 21 mph Conditions Observed: Cloudy

**Environmental Data** 

Date Taken: 1/12/2022

Time: 11:40 AM

Humidity: 65%

Temperature: 40°F

Visibility: >10 miles

**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 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** County: Dukes Town: Chilmark

State: Massachusetts Location: Martha's Vineyard Latitude, Longitude: 41.35537° N, 70.73474° W Direction of View (Center): South (186.5°) Field of View: 124° x 55°

# Visual Resources

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Reasonably Foreseeable Projects Represented in Visual Simulation

Project	Year of Development	WTG Model	Potential Number of WTGs & OSSs Visible*	Total Number of WTGs & OSSs in Project	Distance to Nearest Visible WTG (miles)	Distance to Furthest Visible WTG (miles)
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

• 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







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

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

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

# **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 Inf	ormation
County: Dukes	
Town: Chilmark	

**Iown:** Chilmark State: Massachusetts Location: Martha's Vineyard Latitude, Longitude: 41.35537° N, 70.73474° W **Direction of View (Center):** South (186.5°) Field of View: 124° x 55°

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

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# **Reasonably Foreseeable Projects Represented in Visual Simulation**

Project	Year of Development	WTG Model	Potential Number of WTGs & OSSs Visible*	Total Number of WTGs & OSSs in Project	Distance to Nearest Visible WTG (miles)	Distance to Furthest Visible WTG (miles)
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







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

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

- Photosimulation Size: 66" in width by 29.3" in height. Imag
- The potential number of WTGs and OSSs screened from structure height. This analysis does not consider the screer
- 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 (186.5°)
	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
n viev	should be viewed from 15 inches in order to obtain the proper perspective. w was calculated using a curvature of the earth model based on the distance, viewer height, and maximum ng 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

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# **Reasonably Foreseeable Projects Represented in Visual Simulation**

Project	Year of Development	WTG Model	Potential Number of WTGs & OSSs Visible*	Total Number of WTGs & OSSs in Project	Distance to Nearest Visible WTG (miles)	Distance to Furthest Visible WTG (miles)
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







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

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

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Key Observation Point Information
County: Dukes
Town: Chilmark
State: Massachusetts
Leasting, Marthaia Vinayard

Location: Martha's Vineyard Latitude, Longitude: 41.35537° N, 70.73474° W Direction of View (Center): South (186.5°) Field of View: 124° x 55°

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Vineyard Wind North	2023	14 MW	69	69	20.8	30.7
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







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

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

Visual Simulation: Revolution Wind Without Other Foreseeable Future Changes



# **Camera Information**

Conditions Observed: Cloudy

**Environmental Data** 

Date Taken: 1/12/2022

Time: 11:40 AM

Humidity: 65%

Temperature: 40°F

Visibility: >10 miles

Wind Speed: 21 mph

Wind Direction: Southwest

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

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Project	Year of Development	WTG Model	Potential Number of WTGs & OSSs Visible*	Total Number of WTGs & OSSs in Project	Distance to Nearest Visible WTG (miles)	Distance to Furthest Visible WTG (miles)
Revolution Wind	2023	12 MW	102	102	16.4	32.1

### Bishop and Clerks Key Observation Point Context Norwic Key Observation Point Nan ragan sett Narragan sett Pier Bay Nantucket Sound Cone of View Wind Turbine Generator Fully Visible Platform Screened Mid-Tower Screened Nacelle Screened $\oplus$ Not Visible Offshore Substations □ Not Visible ■ Visible 6 Revolution Wind 61° ° • • • • • • • • • • • • • • . . . . . . . . . . • • **`** • • • **I** • • • • • • • • • • • · Napeague Bay Block Channel 59

