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Appendix A: Revolution Wind Cumulative Visual Simulations

NL01-A: Nomans Land Island NWR, 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.



Humidity: NA Visibility: >10 miles

Environmental Data

Date Simulated*: 12/12/2017

Time Simulated: 8:30 AM

Temperature: NA

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.
- 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: 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: 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

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

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

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

Simulation Size: 66" in width by 29.3" in height. Images This box should should be viewed from a distance of 15 inches in order to obtain the proper perspective.



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: 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

Match Line NL01-B

Reasonably	y Foreseeable	Projects	Represented i	in Visual Simul

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

ulation







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Appendix A: Revolution Wind Cumulative Visual Simulations

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

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

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): 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: 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

• 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







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Appendix A: Revolution Wind Cumulative Visual Simulations

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

Visual Simulation: Full Lease Build-out Including Revolution 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: 66" 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 Wi 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 F	oreseeable Pro	jects Repre	esented in Vi	sual Simulat
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
	Sunrise Wind	2024	15 MW	123	123
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	Mayflower Wind	2024	12 MW	149	149
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.	Liberty Wind	2025-2030	12 MW	17	139
rom daytime photographs. Nighttime photographs captured at each represented KOP inform the presence or lack of nd Wind 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
		İ			

Bay State Wind

2025-2030

12 MW

185

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

Simulation

Number of & 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
123	15.6	31.0
149	36.6	48.5
139	43.9	46.5
157	28.5	42.1
185	11.3	39.4







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Appendix A: Revolution Wind Cumulative Visual Simulations

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

Visual Simulation: Full Lease Build-out Excluding Revolution 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 Cloud

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

Notes:

- Photosimulation Size: 66" in width by 29.3" in hei The potential number of WTGs and OSSs screened
- structure height. This analysis does not consider Offshore Substation location and dimensions are I
- for all foundation positions. OSS positions and di Nighttime photosimulations are digitally adjusted fro 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	Reasonably F	oreseeable Pro	ojects Rep
	County: Dukes Town: Chilmark	Project	Year of Development	WTG Model
	State: Massachusetts Location: Nomans Land Island Latitude, Longitude: 41.25712° N, 70.83100° W	South Fork Wind Farm	2023	12 MW
	Direction of View (Center): South-Southeast (163.9°) Field of View: 124° x 55°	Vineyard Wind North	2023	14 MW
oudy		New England Wind Phase 1	2024	16 MW
	Visual Resources Landscape Similarity Zone: Coastal Bluff	New England Wind Phase 2	2024	19 MW
	User Group: No Access Aesthetic Resource: Nomans Land Island National Wildlife Refuge	Sunrise Wind	2024	15 MW
		Mayflower Wind	2024	12 MW
ened from	ges should be viewed from 15 inches in order to obtain the proper perspective. view was calculated using a curvature of the earth model based on the distance, viewer height, and maximum	Liberty Wind	2025-2030	12 MW
are based c	ening effects of intervening vegetation, structures, and topography. on preliminary publicly available project data. Projects for which this data is not currently available, WTGs are used is considered in this photosimulation are subject to potential modification.	Beacon Wind	2025-2030	12 MW
ed from day	ytime 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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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
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

epresented in Visual Simulation







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Appendix A: Revolution Wind Cumulative Visual Simulations

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

Visual Simulation: Revolution 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:

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Reasonably Foreseeable Projects Represented in Visual Simulation

Project	Year of Development	WTG Model	Potential Number of WTGs & OSSs Visible*		Distance to Nearest Visible WTG (miles)	Distance to Furthest Visible WTG (miles)
Revolution Wind	2023	12 MW	102	102	8.7	24.5



