APPENDIX C

Revolution Wind Farm Cumulative Visual Simulations
by Environmental Design and Research
### Environmental Data
- **Date:** 9/10/2017
- **Time:** 12:20 PM
- **Temperature:** 68°F
- **Humidity:** 63%
- **Visibility:** >10 miles
- **Wind Direction:** Northeast
- **Wind Speed:** 8 mph
- **Conditions:** Clear

### Camera Information
- **Type:** Canon EOS 5D Mark IV
- **Resolution:** 30.4 Megapixels
- **Lens Focal Length:** 50 mm
- **Camera Height:** 161.7 feet AMSL

### Project Year of Development WTG Model

<table>
<thead>
<tr>
<th>WTG Model</th>
<th>Potential Number of WTGs &amp; OSSs</th>
<th>Visible*</th>
<th>Total Number of WTGs &amp; OSSs in Project</th>
<th>Distance to Nearest Visible WTG (miles)</th>
<th>Distance to Furthest Visible WTG (miles)</th>
</tr>
</thead>
<tbody>
<tr>
<td>South Fork Wind</td>
<td>12 MW</td>
<td>13</td>
<td>13</td>
<td>19.0</td>
<td>24.0</td>
</tr>
<tr>
<td>Vineyard Wind North</td>
<td>14 MW</td>
<td>69</td>
<td>69</td>
<td>49.6</td>
<td>53.7</td>
</tr>
<tr>
<td>Revolution Wind</td>
<td>12 MW</td>
<td>102</td>
<td>102</td>
<td>15.2</td>
<td>37.2</td>
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### Reasonably Foreseeable Projects Represented in Visual Simulation

<table>
<thead>
<tr>
<th>Project Year</th>
<th>Wind Farm</th>
<th>Location</th>
<th>Potential Number of WTGs &amp; OSSs</th>
<th>Visible*</th>
<th>Total Number of WTGs &amp; OSSs in Project</th>
<th>Distance to Nearest Visible WTG (miles)</th>
<th>Distance to Furthest Visible WTG (miles)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2023</td>
<td>South Fork Wind</td>
<td>New Shoreham, Rhode Island</td>
<td>12 MW</td>
<td>13</td>
<td>13</td>
<td>19.0</td>
<td>24.0</td>
</tr>
<tr>
<td>2023</td>
<td>Vineyard Wind North</td>
<td>New Shoreham, Rhode Island</td>
<td>14 MW</td>
<td>69</td>
<td>69</td>
<td>49.6</td>
<td>53.7</td>
</tr>
<tr>
<td>2023</td>
<td>Revolution Wind</td>
<td>New Shoreham, Rhode Island</td>
<td>12 MW</td>
<td>102</td>
<td>102</td>
<td>15.2</td>
<td>37.2</td>
</tr>
</tbody>
</table>

### 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.
- This box should be exactly 1" long on the printed panorama.
- The potential number of WTGs and OSSs screened from view was calculated using a curvature of the earth model based on the distance, viewer height, and maximum structure height. This analysis does not consider the screening effects of intervening vegetation, structures, and topography.
- Offshore Substation location and dimensions are based on preliminary publicly available project data. Projects for which this data is not currently available, WTGs are used for all foundation positions. OSS positions and dimensions considered in this photosimulation are subject to potential modification.
- Nighttime photosimulations are digitally adjusted from daytime photographs. Nighttime photographs captured at each represented KOP inform the presence or lack of existing light sources.
- The existing WTGs associated with the Block Island Wind Farm are 16.9 miles from KOP LI04. In the daytime photosimulation, the WTGs appear faint due to atmospheric perspective commonly occurring on clear days such as the conditions illustrated in this photosimulation. In order to illustrate maximum potential visibility of the proposed WTG, this degree of atmospheric perspective is not applied to the photosimulations.
- Photographs were not obtained from NL01 during field review due to public access restrictions. In place of an actual photograph from this location, EDR created a virtual three-dimensional (3D) model of the island.

### Key Observation Point Information
- **Location:** Southeast Light National Historic Landmark, Mohegan Bluffs Scenic Area
- **Visibility:** >10 miles
Revolution Wind
Powered by Ørsted & Eversource

Appendix C: Revolution Wind Cumulative Visual Simulations

B04 Night: Southeast Lighthouse, New Shoreham, Rhode Island
Visual Simulation: 2023 Project Construction (South Fork Wind and Vineyard Wind North)

Environmental Data
- Date: 9/10/2017
- Temperature: 61°F
- Humidity: 93%
- Visibility: >10 miles
- Wind Direction: North-Northwest
- Wind Speed: 6 mph
- Conditions Observed: Fair
- Camera Information:
  - Camera: Canon EOS 5D Mark IV
  - Resolution: 30.4 Megapixels
  - Lens Focal Length: 50 mm
  - Camera Height: 161.1 feet AMSL

Visual Resources
- Landscape Similarity Zone: Maintained Recreation Area, Coastal Bluff
- User Group: Local Resident, Tourist/Vacationers
- Aesthetic Resource: Southeast Light National Historic Landmark, Mohegan Bluffs Scenic Area

Reasonably Foreseeable Projects Represented in Visual Simulation

<table>
<thead>
<tr>
<th>Project</th>
<th>Total Number of WTGs &amp; OSSs</th>
<th>Potential Number of Visible*</th>
<th>Distance to Nearest Visible WTG (miles)</th>
<th>Distance to Furthest Visible WTG (miles)</th>
</tr>
</thead>
<tbody>
<tr>
<td>South Fork Wind Farm 2023</td>
<td>13</td>
<td>13</td>
<td>19.0</td>
<td>24.0</td>
</tr>
<tr>
<td>Vineyard Wind North 2023</td>
<td>0</td>
<td>69</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>

Notes:
Key Observation Point Context

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

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

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.
• The potential number of WTGs and OSSs screened from view was calculated using a curvature of the earth model based on the distance, viewer height, and maximum structure height. This analysis does not consider the screening effects of intervening vegetation, structures, and topography.
• Offshore Substation location and dimensions are based on preliminary publicly available project data. Projects for which this data is not currently available, WTGs are used for all foundation positions. OSS positions and dimensions considered in this photosimulation are subject to potential modification.
• Nighttime photosimulations are digitally adjusted from daytime photographs. Nighttime photographs captured at each represented KOP inform the presence or lack of existing light sources.
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• 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.

Appendix C: Revolution Wind Cumulative Visual Simulations

BI04 Night: Southeast Lighthouse, New Shoreham, Rhode Island

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

Environmental Data
- Date: 9/10/2017
- Temperature: 61°F
- Humidity: 93%
- Visibility: >10 miles
- Wind Direction: North-Northwest
- Wind Speed: 6 mph
- Conditions Observed: Fair

Cameras Information
- Camera: Canon EOS 5D Mark IV
- Resolution: 30.4 Megapixels
- Lens Focal Length: 50 mm
- Camera Height: 161.1 feet AMSL

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 Nearest Visible OSS (miles)
--- | --- | --- | --- | ---
South Fork Wind Farm 2023 12 MW | 13 | 13 | 19.0 | 24.0
Vineyard Wind North 2023 14 MW | 0 | 69 | NA | NA
Revolution Wind 2023 12 MW | 102 | 102 | 15.2 | 37.2

Reasonably Foreseeable Projects Represented in Visual Simulation

Environmental Data Key Observation Point Information

Key Observation Point Location

- Revolution Wind
- Powered by Ørsted & Eversource
- Block Island Wind Farm
- Rhode Island Sound
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.
• 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.
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• 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.

Environmental Data

Date: 9/11/2017
County: Suffolk
Town: East Hampton
State: New York
Location: Long Island
Latitude, Longitude: 41.07208° N, 71.85901° W
Direction of View (Center): East (87.3°)
Field of View: 124° x 55°
Visibility: >10 miles
Wind Direction: West-Southwest
Wind Speed: 7 mph
Conditions Observed: Fair

Visual Resources

Landscape Similarity Zone: Maintained Recreation Area
User Group: Local Resident, Tourist/Vacationers, Fishing Community
Aesthetic Resource: Montauk Point State Park, National Register Historic Site, Scenic Area of Statewide Significance

Weather

Date Taken: 9/11/2017
Time: 6:01 PM
Temperature: 71°F
Humidity: 68%
Visibility: >10 miles

Camera Information

Camera: Canon EOS 5D Mark IV
Resolution: 30.4 Megapixels
Lens Focal Length: 50 mm
Camera Height: 48.0 feet AMSL

Reassonably Foreseeable Projects Represented in Visual Simulation

<table>
<thead>
<tr>
<th>Project</th>
<th>Year of Development</th>
<th>Total MW</th>
<th>Distance to Nearest Visible WTG (miles)</th>
<th>Distance to Furthest Visible WTG (miles)</th>
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</thead>
<tbody>
<tr>
<td>South Fork Wind Farm</td>
<td>2023</td>
<td>12</td>
<td>34.8</td>
<td>39.4</td>
</tr>
<tr>
<td>Vineyard Wind North</td>
<td>2023</td>
<td>14</td>
<td>0</td>
<td>69</td>
</tr>
<tr>
<td>New England Wind Phase 1</td>
<td>2024</td>
<td>16</td>
<td>0</td>
<td>41</td>
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<tr>
<td>New England Wind Phase 2</td>
<td>2024</td>
<td>19</td>
<td>0</td>
<td>79</td>
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<td>Sunrise Wind</td>
<td>2024</td>
<td>15</td>
<td>106</td>
<td>123</td>
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<tr>
<td>Mayflower Wind</td>
<td>2024</td>
<td>12</td>
<td>0</td>
<td>149</td>
</tr>
<tr>
<td>Liberty Wind</td>
<td>2025-2030</td>
<td>12</td>
<td>0</td>
<td>139</td>
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<tr>
<td>Beacon Wind</td>
<td>2025-2030</td>
<td>12</td>
<td>0</td>
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<tr>
<td>Bay State Wind</td>
<td>2025-2030</td>
<td>12</td>
<td>11</td>
<td>185</td>
</tr>
</tbody>
</table>

Reasonably Foreseeable Projects Represented in Visual Simulation

Key Observation Point Information

Key Observation Point: LI04 Montauk Point State Park, East Hampton, New York
Visual Simulation: Full Lease Build-out Excluding Revolution Wind

Appendix C: Revolution Wind Cumulative Visual Simulations
LI04: Montauk Point State Park, East Hampton, New York
Key Observation Point Context

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

Appendix C: Revolution Wind Cumulative Visual Simulations

LI04 Night: Montauk Point State Park, East Hampton, New York
Visual Simulation: 2023 Project Construction with Revolution Construction added (Revolution Wind, South Fork Wind, and Vineyard Wind North)

County: Suffolk
Town: East Hampton
State: New York
Location: Long Island
Latitude, Longitude: 41.07208° N, 71.85901° W
Direction of View (Center): East (87.3°)
Field of View: 124° x 55°

Visual Resources
Landscape Similarity Zone: Maintained Recreation Area
User Group: Local Resident, Tourist/Vacationers, Fishing Community
Aesthetic Resource: Montauk Point State Park, National Register Historic Site, Scenic Area of Statewide Significance

Date Taken: 9/11/2017
Temperature: 57°F
Humidity: 93%
Visibility: >10 miles
Wind Direction: Calm
Wind Speed: 0 mph
Conditions Observed: Fair

Camera Information
Camera: Canon EOS 5D Mark IV
Resolution: 30.4 Megapixels
Lens Focal Length: 50 mm
Camera Height: 48.0 feet AMSL

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 7 13 34.8 39.4
Vineyard Wind North 2023 14 MW 0 69 NA NA
Revolution Wind 2023 12 MW 30 102 31.4 38.5

Reasonably foreseeable projects represented in Visual Simulation:

Environmental Data
Date: 9/11/2017
Temperature: 57°F
Humidity: 93%
Visibility: >10 miles
Wind Direction: Calm
Wind Speed: 0 mph
Conditions Observed: Fair
**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.
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### Visual Resources

<table>
<thead>
<tr>
<th>Key Observation Point Information</th>
<th>Revolution Wind Cumulative Visual Simulations</th>
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</thead>
<tbody>
<tr>
<td>County: Suffolk</td>
<td>Date Taken: 9/11/2017</td>
</tr>
<tr>
<td>Town: East Hampton</td>
<td>Temperature: 57°F</td>
</tr>
<tr>
<td>State: New York</td>
<td>Humidity: 93%</td>
</tr>
<tr>
<td>Latitude, Longitude: 41.07208° N, 71.85901° W</td>
<td>Visibility: &gt;10 miles</td>
</tr>
<tr>
<td>Direction of View (Center): East (87.3°)</td>
<td>Wind Direction: Calm</td>
</tr>
<tr>
<td>Field of View: 124° x 55°</td>
<td>Wind Speed: 0 mph</td>
</tr>
<tr>
<td>Visual Resources</td>
<td>Conditions Observed: Fair</td>
</tr>
<tr>
<td>Landscape Similarity Zone: Maintained Recreation Area</td>
<td>Camera Information</td>
</tr>
<tr>
<td>User Group: Local Resident, Tourist/Vacationers, Fishing Community</td>
<td>Camera: Canon EOS 5D Mark IV</td>
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<tr>
<td>Aesthetic Resource: Montauk Point State Park, National Register Historic Site, Scenic Area of Statewide Significance</td>
<td>Resolution: 30.4 Megapixels</td>
</tr>
<tr>
<td><strong>Table:</strong> Reasonably Foreseeable Projects Represented in Visual Simulation</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Project</th>
<th>South Beach</th>
<th>Westhampton</th>
<th>East Hampton</th>
<th>Total Number of WTGs &amp; OSSs in Project</th>
<th>Distance to Nearest Visible WTG (miles)</th>
<th>Distance to Furthest Visible WTG (miles)</th>
</tr>
</thead>
<tbody>
<tr>
<td>South Fork Wind Farm 2023</td>
<td>12 MW</td>
<td>7</td>
<td>13</td>
<td>34.8</td>
<td>39.4</td>
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</tr>
<tr>
<td>Vineyard Wind North 2023</td>
<td>14 MW</td>
<td>0</td>
<td>69</td>
<td>NA</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>New England Wind Phase 1 2024</td>
<td>16 MW</td>
<td>0</td>
<td>41</td>
<td>NA</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>New England Wind Phase 2 2024</td>
<td>19 MW</td>
<td>0</td>
<td>79</td>
<td>NA</td>
<td>NA</td>
<td></td>
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<tr>
<td>Sunrise Wind 2024</td>
<td>15 MW</td>
<td>42</td>
<td>123</td>
<td>30.5</td>
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<tr>
<td>Mayflower Wind 2024</td>
<td>12 MW</td>
<td>0</td>
<td>149</td>
<td>NA</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>Liberty Wind 2025-2030</td>
<td>12 MW</td>
<td>0</td>
<td>139</td>
<td>NA</td>
<td>NA</td>
<td></td>
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<tr>
<td>Beacon Wind 2025-2030</td>
<td>12 MW</td>
<td>0</td>
<td>157</td>
<td>NA</td>
<td>NA</td>
<td></td>
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<tr>
<td>Bay State Wind 2025-2030</td>
<td>12 MW</td>
<td>0</td>
<td>185</td>
<td>NA</td>
<td>NA</td>
<td></td>
</tr>
</tbody>
</table>
Notes:
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Appendix C: Revolution Wind Cumulative Visual Simulations

MV11: Wasque Point, Edgartown, Massachusetts

Visual Simulation: Revolution Wind Without Other Foreseeable Future Changes

Environmental Data
World Time: 01/20/2023
World Time: 11:49 AM
Daylight: 10:49 AM
World Location: South-Southwest (202.4°)
World Field of View: 124° x 55°
Natural Resources
Landscape Similarity Zone: Shoreline Beach
User Group: Local Resident, Tourist/Vacationers
Aesthetic Resource: Wasque Point

Date Taken: 9/11/2021
Time: 11:49 AM
Temperature: 72°F
Humidity: 46%
Visibility: >10 miles
Wind Direction: West
Wind Speed: 9 mph
Conditions Observed: Fair

Camera Information
Camera: Canon EOS 5D Mark IV
Resolution: 30.4 Megapixels
Lens Focal Length: 50 mm
Camera Height: 25.7 feet AMSL

Reasonably Foreseeable Projects Represented in Visual Simulation

<table>
<thead>
<tr>
<th>Project</th>
<th>Wind Power</th>
<th>Wind Power</th>
<th>Wind Power</th>
<th>Wind Power</th>
<th>Wind Power</th>
<th>Wind Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revolution Wind</td>
<td>12 MW</td>
<td>100</td>
<td>102</td>
<td>24.9</td>
<td>44.7</td>
<td>100</td>
</tr>
</tbody>
</table>
Appendix C: Revolution Wind Cumulative Visual Simulations

RI03: Point Judith Lighthouse, Narragansett, Rhode Island

Visual Simulation: Revolution Wind Without Other Foreseeable Future Changes

Environmental Data
- County: Washington
- Town: Narragansett
- State: Rhode Island
- Location: Aquidneck Island
- Latitude, Longitude: 41.36309° N, 71.48100° W
- Direction of View (Center): Southeast (143.7°)
- Field of View: 124° x 55°

Visual Resources
- Landscape Similarity Zone: Maintained Recreation Area
- User Group: Local Resident, Tourist/Vacationers
- Aesthetic Resource: National Register Historic Site, Point Judith State Scenic Area

Date Taken: 8/3/2017
- Time: 12:34 PM
- Temperature: 77°F
- Humidity: 79%
- Visibility: >10 miles
- Wind Direction: South
- Wind Speed: 10 mph
- Conditions Observed: Partly Cloudy

Camera Information
- Camera: Canon EOS 5D Mark IV
- Resolution: 30.4 Megapixels
- Lens Focal Length: 50 mm
- Camera Height: 29.6 feet AMSL

Project Year of Development WTG Model: 2023
Potential Number of WTGs & OSSs
- Visible*: 12
- Total Number of WTGs & OSSs in Project: 102
- Distance to Nearest Visible WTG (miles): 18.2
- Distance to Furthest Visible WTG (miles): 37.5

Reasonably Foreseeable Projects Represented in Visual Simulation

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Number of WTGs</th>
<th>Distance to Nearest Visible WTG (miles)</th>
<th>Distance to Furthest Visible WTG (miles)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revolution Wind</td>
<td>12</td>
<td>18.2</td>
<td>37.5</td>
</tr>
</tbody>
</table>

Notes:
- The photosimulation size is 64" in width by 29.3" in height. Images should be viewed from a distance of 15 inches in order to obtain the proper perspective.
- This box should be exactly 1" long on the printed panorama.
- The potential number of WTGs and OSSs screened from view was calculated using a curvature of the earth model based on the distance, viewer height, and maximum structure height. This analysis does not consider the screening effects of intervening vegetation, structures, and topography.
- Offshore Substation location and dimensions are based on preliminary publicly available project data. Projects for which this data is not currently available, WTGs are used for all foundation positions. OSS positions and dimensions considered in this photosimulation are subject to potential modification.
- Nighttime photosimulations are digitally adjusted from daytime photographs. Nighttime photographs captured at each represented KOP inform the presence or lack of existing light sources.
- The existing WTGs associated with the Block Island Wind Farm are 16.9 miles from KOP LI04. In the daytime photosimulation, the WTGs appear faint due to atmospheric perspective commonly occurring on clear days such as the conditions illustrated in this photosimulation. In order to illustrate maximum potential visibility of the proposed WTG, this degree of atmospheric perspective is not applied to the photosimulations.
- Photographs were not obtained from NL01 during field review due to public access restrictions. In place of an actual photograph from this location, EDR created a virtual three-dimensional (3D) model of the island.