Appendix A: Revolution Wind Cumulative Visual Simulations

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

Existing Conditions

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

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

Notes:
- Photosimulation Size: 66" in width by 29.3" in height. Images should be viewed from 15 inches in order to obtain the proper perspective.
- The potential number of WTGs and OSSs screened from view was calculated using a curvature of the earth model based on the distance, viewer height, and maximum structure height. This analysis does not consider the screening effects of intervening vegetation, structures, and topography.
- Offshore Substation location and dimensions are based on preliminary publicly available project data. Projects for which this data is not currently available, WTGs are used for all foundation positions. OSS positions and dimensions considered in this photosimulation are subject to potential modification.
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Appendix A: Revolution Wind Cumulative Visual Simulations

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

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

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

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

Notes:
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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.

Reasonably Foreseeable Projects Represented in Visual Simulation

<table>
<thead>
<tr>
<th>Project</th>
<th>Year of Development</th>
<th>WTG Model</th>
<th>Total Number of Projects</th>
</tr>
</thead>
<tbody>
<tr>
<td>South Fork Wind Farm</td>
<td>2023</td>
<td>12 MW</td>
<td>13</td>
</tr>
<tr>
<td>Vineyard Wind North</td>
<td>2023</td>
<td>14 MW</td>
<td>69</td>
</tr>
</tbody>
</table>

Distance to Nearest Visible WTG (miles):
- South Fork Wind Farm: 26.3
- Vineyard Wind North: 20.8

Distance to Furthest Visible WTG (miles):
- South Fork Wind Farm: 30.6
- Vineyard Wind North: 30.7
Appendix A: Revolution Wind Cumulative Visual Simulations

MV12-B - Parking Area: 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: 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

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

Notes:
• Photosimulation Size: 66" in width by 29.3" in height. Images should be viewed from 15 inches in order to obtain the proper perspective.
• The potential number of WTGs and OSSs screened from view was calculated using a curvature of the earth model based on the distance, viewer height, and maximum structure height. This analysis does not consider the screening effects of intervening vegetation, structures, and topography.
• Offshore Substation location and dimensions are based on preliminary publicly available project data. Projects for which this data is not currently available, WTGs are used for all foundation positions. OSS positions and dimensions considered in this photosimulation are subject to potential modification.
• Nighttime photosimulations are digitally adjusted from daytime photographs. Nighttime photographs captured at each represented KOP inform the presence or lack of existing light sources.
• The existing WTGs associated with the Block Island Wind Farm are 16.9 miles from KOP LI04. In the daytime photosimulation, the WTGs appear faint due to atmospheric perspective commonly occurring on clear days such as the conditions illustrated in this photosimulation. In order to illustrate maximum potential visibility of the proposed WTG, this degree of atmospheric perspective is not applied to the photosimulations.
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<tr>
<th>Project</th>
<th>Year of Development</th>
<th>WTG Model</th>
<th>Potential Number of WTGs &amp; OSSs 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>
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<td>South Fork Wind Farm</td>
<td>2023</td>
<td>12 MW</td>
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<td>13</td>
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<td>30.6</td>
</tr>
<tr>
<td>Vineyard Wind North</td>
<td>2023</td>
<td>14 MW</td>
<td>69</td>
<td>69</td>
<td>20.8</td>
<td>30.7</td>
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<tr>
<td>Revolution Wind</td>
<td>2023</td>
<td>12 MW</td>
<td>102</td>
<td>102</td>
<td>16.4</td>
<td>32.1</td>
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</tbody>
</table>
Appendix A: Revolution Wind Cumulative Visual Simulations

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

Visual Simulation: Full Lease Build-out Including Revolution 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

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

Notes:
- Photosimulation Size: 66" in width by 29.3" in height. Images should be viewed from 15 inches in order to obtain the proper perspective.
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<tr>
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<th>Project</th>
<th>Year of Development</th>
<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>
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<td>2023</td>
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<td>69</td>
<td>20.8</td>
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<td></td>
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</tr>
<tr>
<td>Revolution Wind</td>
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<td>12 MW</td>
<td>102</td>
<td>102</td>
<td>16.4</td>
<td>32.1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>New England Wind Phase 1</td>
<td>2024</td>
<td>16 MW</td>
<td>41</td>
<td>41</td>
<td>25.0</td>
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<tr>
<td>New England Wind Phase 2</td>
<td>2024</td>
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<td>79</td>
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<td>41.9</td>
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<tr>
<td>Sunrise Wind</td>
<td>2024</td>
<td>15 MW</td>
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<td>123</td>
<td>23.0</td>
<td>39.3</td>
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<tr>
<td>Mayflower Wind</td>
<td>2024</td>
<td>12 MW</td>
<td>149</td>
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<tr>
<td>Liberty Wind</td>
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<td>139</td>
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<tr>
<td>Beacon Wind</td>
<td>2025-2030</td>
<td>12 MW</td>
<td>157</td>
<td>157</td>
<td>30.0</td>
<td>47.8</td>
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<tr>
<td>Bay State Wind</td>
<td>2025-2030</td>
<td>12 MW</td>
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Appendix A: Revolution Wind Cumulative Visual Simulations

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

Visual Simulation: Full Lease Build-out Excluding Revolution Wind

Environmental Data
- Date Taken: 1/12/2022
- Time: 12:35 PM
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</tbody>
</table>
Appendix A: Revolution Wind Cumulative Visual Simulations

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

Key Observation Point Information
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<th>WTG Model</th>
<th>Potential Number of WTGs &amp; OSSs Visible*</th>
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