Appendix A: Revolution Wind Cumulative Visual Simulations

MV07 Sunrise: Aquinnah Overlook, Aquinnah, Massachusetts

Existing Conditions

Environmental Data

- Date Taken: 9/11/2021
- Time: 6:37 AM
- Temperature: 51°F
- Humidity: 92%
- Visibility: >10 miles
- Wind Direction: West-Northwest
- Wind Speed: 5 mph
- Conditions Observed: Fair

Camera Information

- Camera: Canon EOS 5D Mark IV
- Resolution: 30.4 Megapixels
- Lens Focal Length: 50 mm
- Camera Height: 145.5 feet AMSL

Key Observation Point Information

- County: Dukes
- Town: Aquinnah
- State: Massachusetts
- Location: Martha's Vineyard
- Latitude, Longitude: 41.34730° N, 70.83690° W
- Direction of View (Center): South (189.7°)
- Field of View: 124° x 55°

Visual Resources

- Landscape Similarity Zone: Coastal Bluff
- User Group: Local Resident, Tourist/Vacationers
- Aesthetic Resource: Gay Head Aquinnah Shops Area State Historic Area, Gay Head West Tisbury Unit State Scenic Area, Gay Head Cliffs National Natural Landmark

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.
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Appendix A: Revolution Wind Cumulative Visual Simulations

MV07 Sunrise: Aquinnah Overlook, Aquinnah, Massachusetts
Visual Simulation: 2023 Project Construction (South Fork Wind and Vineyard Wind North)

Environmental Data
- Date Taken: 9/11/2021
- Time: 6:37 AM
- Temperature: 51°F
- Humidity: 92%
- Visibility: >10 miles
- Wind Direction: West-Northwest
- Wind Speed: 5 mph
- Conditions Observed: Fair

Camera Information
- Camera: Canon EOS 5D Mark IV
- Resolution: 30.4 Megapixels
- Lens Focal Length: 50 mm
- Camera Height: 145.5 feet AMSL

Key Observation Point Information
- County: Dukes
- Town: Aquinnah
- State: Massachusetts
- Location: Martha's Vineyard
- Latitude, Longitude: 41.34730° N, 70.83690° W
- Direction of View (Center): South (189.7°)
- Field of View: 124° x 55°

Visual Resources
- Landscape Similarity Zone: Coastal Bluff
- User Group: Local Resident, Tourist/Vacationers
- Aesthetic Resource: Gay Head Aquinnah Shops Area State Historic Area, Gay Head West Tisbury Unit State Scenic Area, Gay Head Cliffs National Natural Landmark

Notes:
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Reasonably Foreseeable Projects Represented in Visual Simulation

<table>
<thead>
<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>
</tr>
</thead>
<tbody>
<tr>
<td>South Fork Wind Farm</td>
<td>2023</td>
<td>12 MW</td>
<td>13</td>
<td>13</td>
<td>22.2</td>
<td>26.3</td>
</tr>
<tr>
<td>Vineyard Wind North</td>
<td>2023</td>
<td>14 MW</td>
<td>69</td>
<td>69</td>
<td>24.0</td>
<td>32.9</td>
</tr>
</tbody>
</table>

Simulation Size: 66” in width by 29.3” in height. Images should be viewed from a distance of 15 inches in order to obtain the proper perspective.
Appendix A: Revolution Wind Cumulative Visual Simulations

MV07 Sunrise: Aquinnah Overlook, Aquinnah, Massachusetts
Visual Simulation: 2023 Project Construction with Revolution
Construction added (Revolution Wind, South Fork Wind, and Vineyard Wind North)

Environmental Data
- Date: 9/11/2021
- Time: 6:37 AM
- Temperature: 51°F
- Humidity: 92%
- Visibility: >10 miles
- Wind Direction: West-Northwest
- Wind Speed: 5 mph
- Conditions Observed: Fair

Camera Information
- Camera: Canon EOS 5D Mark IV
- Resolution: 30.4 Megapixels
- Lens Focal Length: 50 mm
- Camera Height: 145.5 feet AMSL

Key Observation Point Information
- County: Dukes
- Town: Aquinnah
- State: Massachusetts
- Location: Martha's Vineyard
- Latitude, Longitude: 41.34730° N, 70.83690° W
- Direction of View (Center): South (189.7°)
- Field of View: 124° x 55°

Visual Resources
- Landscape Similarity Zone: Coastal Bluff
- User Group: Local Resident, Tourist/Vacationers
- Aesthetic Resource: Gay Head Aquinnah Shops Area State Historic Area, Gay Head West Tisbury Unit State Scenic Area, Gay Head Cliffs National Natural Landmark

Notes:
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Reasonomably Foreseeable Projects Represented in Visual Simulation

<table>
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<tr>
<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>
<th>Distance to Furthest Visible WTG (miles)</th>
</tr>
</thead>
<tbody>
<tr>
<td>South Fork Wind Farm</td>
<td>2023</td>
<td>12 MW</td>
<td>13</td>
<td>13</td>
<td>22.2</td>
<td>26.3</td>
<td></td>
</tr>
<tr>
<td>Vineyard Wind North</td>
<td>2023</td>
<td>14 MW</td>
<td>69</td>
<td>69</td>
<td>24.0</td>
<td>32.9</td>
<td></td>
</tr>
<tr>
<td>Revolution Wind</td>
<td>2023</td>
<td>12 MW</td>
<td>102</td>
<td>102</td>
<td>13.7</td>
<td>27.4</td>
<td></td>
</tr>
</tbody>
</table>
Appendix A: Revolution Wind Cumulative Visual Simulations

MV07 Sunrise: Aquinnah Overlook, Aquinnah, Massachusetts

Visual Simulation: Full Lease Build-out Including Revolution Wind

Environmental Data
- Date: 9/11/2021
- Time: 6:37 AM
- Temperature: 51°F
- Humidity: 92%
- Visibility: >10 miles
- Wind Direction: West-Northwest
- Wind Speed: 5 mph
- Conditions Observed: Fair

Camera Information
- Camera: Canon EOS 5D Mark IV
- Resolution: 30.4 Megapixels
- Lens Focal Length: 50 mm
- Camera Height: 145.5 feet AMSL

Key Observation Point Information
- County: Dukes
- Town: Aquinnah
- State: Massachusetts
- Location: Martha's Vineyard
- Latitude, Longitude: 41.34730° N, 70.83690° W
- Direction of View (Center): South (189.7°)
- Field of View: 124° x 55°

Visual Resources
- Landscape Similarity Zone: Coastal Bluff
- User Group: Local Resident, Tourist/Vacationers
- Aesthetic Resource: Gay Head Aquinnah Shops Area State Historic Area, Gay Head West Tisbury Unit State Scenic Area, Gay Head Cliffs National Natural Landmark

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<th>WTG Model</th>
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<tbody>
<tr>
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<td>2023</td>
<td>12 MW</td>
<td>13</td>
<td>13</td>
<td>22.2</td>
<td>26.3</td>
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<td>Vineyard Wind North</td>
<td>2023</td>
<td>14 MW</td>
<td>69</td>
<td>69</td>
<td>24.0</td>
<td>32.9</td>
</tr>
<tr>
<td>Revolution Wind</td>
<td>2023</td>
<td>12 MW</td>
<td>102</td>
<td>102</td>
<td>13.7</td>
<td>27.4</td>
</tr>
<tr>
<td>New England Wind</td>
<td>2024</td>
<td>16 MW</td>
<td>41</td>
<td>41</td>
<td>26.1</td>
<td>34.8</td>
</tr>
<tr>
<td>New England Wind</td>
<td>2024</td>
<td>19 MW</td>
<td>79</td>
<td>79</td>
<td>26.4</td>
<td>41.6</td>
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<td>Sunrise Wind</td>
<td>2024</td>
<td>15 MW</td>
<td>123</td>
<td>123</td>
<td>21.6</td>
<td>35.3</td>
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<tr>
<td>Mayflower Wind</td>
<td>2024</td>
<td>12 MW</td>
<td>149</td>
<td>149</td>
<td>41.1</td>
<td>54.4</td>
</tr>
<tr>
<td>Liberty Wind</td>
<td>2025-2030</td>
<td>12 MW</td>
<td>36</td>
<td>139</td>
<td>48.7</td>
<td>53.7</td>
</tr>
<tr>
<td>Beacon Wind</td>
<td>2025-2030</td>
<td>12 MW</td>
<td>157</td>
<td>157</td>
<td>33.0</td>
<td>48.2</td>
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<tr>
<td>Bay State Wind</td>
<td>2025-2030</td>
<td>12 MW</td>
<td>185</td>
<td>185</td>
<td>17.5</td>
<td>45.3</td>
</tr>
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</table>
Appendix A: Revolution Wind Cumulative Visual Simulations

MV07 Sunrise: Aquinnah Overlook, Aquinnah, Massachusetts

Visual Simulation: Full Lease Build-out Excluding Revolution Wind

Environmental Data

Date Taken: 9/11/2021
Time: 6:37 AM
Temperature: 51°F
Humidity: 92%
Visibility: >10 miles
Wind Direction: West-Northwest
Wind Speed: 5 mph
Conditions Observed: Fair

Camera Information

Camera: Canon EOS 5D Mark IV
Resolution: 30.4 Megapixels
Lens Focal Length: 50 mm
Camera Height: 145.5 feet AMSL

Key Observation Point Information

County: Dukes
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Visual Resources

Landscape Similarity Zone: Coastal Bluff
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</tr>
<tr>
<td>New England Wind Phase 1</td>
<td>2024</td>
<td>16 MW</td>
<td>41</td>
<td>26.1</td>
<td>34.8</td>
</tr>
<tr>
<td>New England Wind Phase 2</td>
<td>2024</td>
<td>19 MW</td>
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<td>41.6</td>
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</tr>
</tbody>
</table>
Appendix A: Revolution Wind Cumulative Visual Simulations

MV07 Sunrise: Aquinnah Overlook, Aquinnah, Massachusetts

Visual Simulation: Revolution Wind Without Other Foreseeable Future Changes

Environmental Data
Date Taken: 9/11/2021
Time: 6:37 AM
Temperature: 51°F
Humidity: 92%
Visibility: >10 miles
Wind Direction: West-Northwest
Wind Speed: 5 mph
Conditions Observed: Fair

Camera Information
Camera: Canon EOS 5D Mark IV
Resolution: 30.4 Megapixels
Lens Focal Length: 50 mm
Camera Height: 145.5 feet AMSL

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Field of View: 124° x 55°

Visual Resources
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User Group: Local Resident, Tourist/Vacationers
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<table>
<thead>
<tr>
<th>Reasonable Foreseeable Projects Represented in Visual Simulation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Project</strong></td>
</tr>
<tr>
<td>Revolution Wind</td>
</tr>
</tbody>
</table>

Key Observation Point Context

Reasonable Foreseeable Projects Include:
- Wind farms that may be operational by 2027
- Offshore substation locations and dimensions are based on preliminary data
- WTG locations and dimensions are subject to potential modification
- Nighttime photosimulations are digitally adjusted from daytime photographs
- Existing WTGs associated with the Block Island Wind Farm are 16.9 miles from KOP LI04
- Attraction to 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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