

### SITE INFORMATION

Site Name:	Fort Miles Historic District, Cape Henlopen		
Location:	Lewes, DE		
Date:	3/24/2023	3/24/2023	3/24/2023
Time:	8:09 AM	2:28 PM	5:17 PM
Coordinates (Lat/Lon WGS84):	38.765760, -75.082866		
Landscape Zone:	Barren Land (Rock/Sand/Clay) - Beach		

### VIEW AND CAMERA DETAILS

Direction of View:	148.9°	148.9°	148.9°
Ground Elevation (ft msl):	31.4	31.4	31.4
Camera/Viewing Elevation (ft msl):	36.4	36.4	36.4
Camera Used for Simulation Photography:	Nikon D750	Nikon D750	Nikon D850
Camera Lens Focal Length:	50 mm	50 mm	50mm
Photo Resolution (dpi):	1200	1200	1200
Horizontal Field of View (Panoramas):	124°		
Horizontal Field of View (Single Frame 50 mm Lens):	39.6°	39.6°	

### ENVIRONMENT

Weather Conditions:	Mostly cloudy	Cloudy, rain	Mostly cloudy
Temperature:	57° F	45° F	74° F
Humidity:	81%	83%	49%
Lighting Conditions:	Overcast/strong sun	Overcast	Diffuse for SW
Visibility:	8 Miles	7 Miles	10 Miles

### DEVELOPMENT DETAILS

Total Number of Turbines: 121  
 Total Number of Offshore Substations: 4  
 Number of Turbines Visible: 121  
 Number of Offshore Substations Visible: 0  
 Turbine Output: Approximately 18MW  
 Turbine Maximum Blade Height: 938 ft  
 Turbine Rotor Diameter: 820 ft  
 Distance to Nearest Turbine (Statute Miles): 24.9  
 Distance to Farthest Visible Turbine (Statute Miles): 43.9  
 Nearest Turbine Visible Height (ft, %): 762.9 ft, 81%  
 Farthest Turbine Visible Height (ft, %): 175.5 ft, 19%

### SHEET INDEX AND VIEWING INSTRUCTIONS

- Sheet 1 – Simulation Context Information
- Sheet 2 – Context Photography
- Sheet 3 – Existing Conditions Panorama View, Late Afternoon (5:17 PM)
- Sheet 4 – Panorama View With Simulation, Late Afternoon (5:17 PM)
- Sheet 5 – Single Frame (50-mm Lens) Simulation, Morning (8:09 AM)
- Sheet 6 – Single Frame (50-mm Lens) Simulation, Mid-Day (2:28 PM)

#### Panorama Viewing Instructions:

To approximate the field of view represented by a 14.5" panorama it should be printed on an 11" x 17" sheet of paper and viewed from 7 inches away<sup>1</sup>. If viewed in a digital format (i.e. on screen) then similar size and distance should be used.

#### Single Frame Viewing Instructions:

The viewing distance for a 14.5" single frame simulation captured with a 50-mm lens is 21 inches.

In all cases care must be taken to not over or underrepresent the visual contrasts<sup>2</sup>. Typical binocular human field of view is assumed to be 124-degrees horizontal and 55-degrees vertical.

<sup>1</sup> "The Best Paper Format and Viewing Distance to Represent the Scope and Scale of Visual Impacts", Journal of Landscape Architecture, 4-2019, pp. 142-151, J. Palmer

<sup>2</sup> Sheppard, S. 1989. Visual Simulation: A User's Guide for Architects, Engineers, and Planners. New York: Van Nostrand Reinhold.

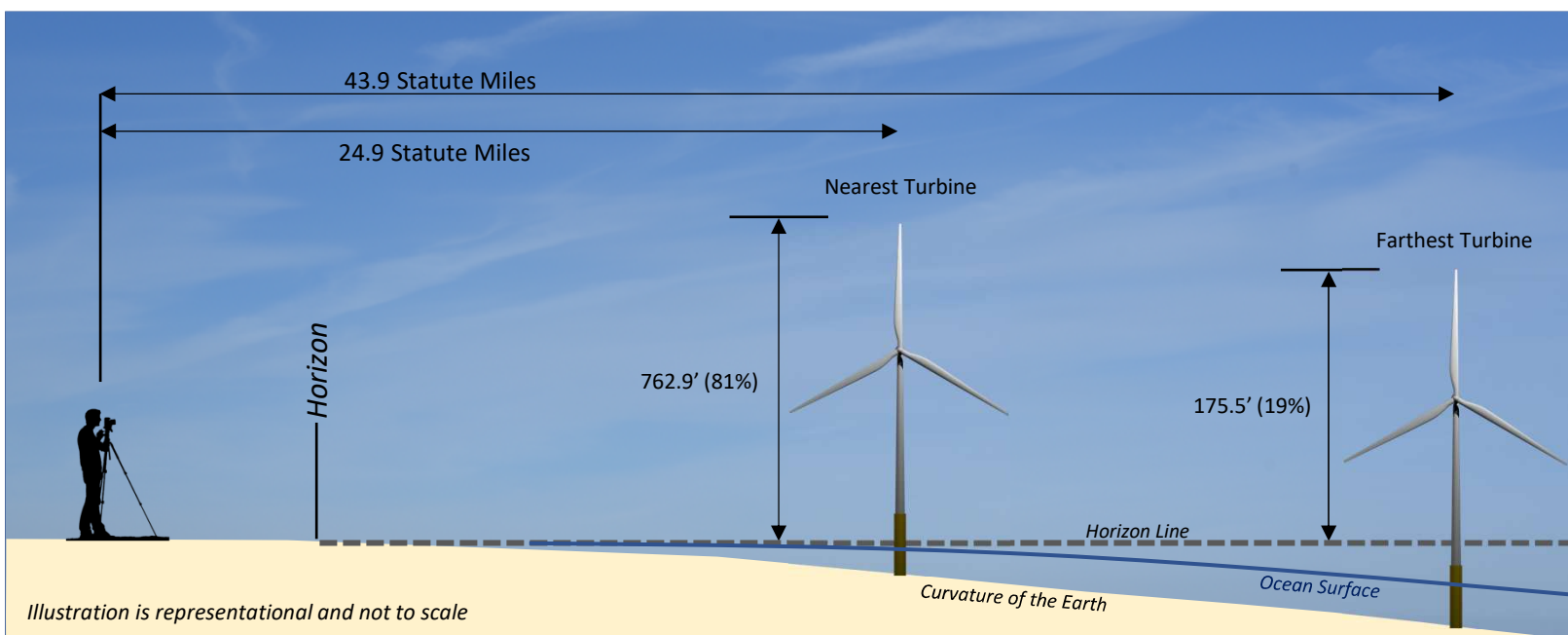


Illustration is representational and not to scale

## 22. FORT MILES HISTORIC DISTRICT, CAPE HENLOPEN, DELAWARE SIMULATION CONTEXT INFORMATION

Maryland Offshore Wind Project Visual Impact Assessment Simulations

Sheet 1



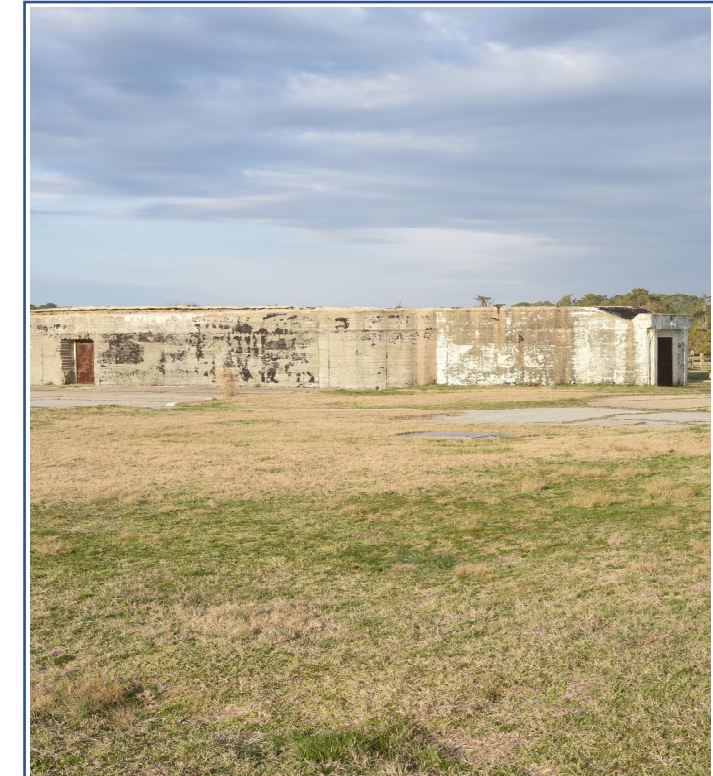


**Fort Miles Historic District**

This view is from Fort Miles Historic District in Delaware northwest of the nearest proposed WTG location. As a historic military site, it is a popular destination for tourists consisting of the fort itself and the surrounding grounds. Visitors can explore the grounds through various trails and visit the museum located on site.



#1 Context Photo, 03/24/2023 8:15 AM  
Viewing near northeast, overlooking the ocean at Battery Herring.



#2 Context Photo, 03/24/2023 8:15 AM  
A view of Battery Herring at Herring Point, facing near southwest.



#3 Viewing North, 03/23/2023 5:15 PM



#4 Viewing East, 03/23/2023 5:15 PM



#5 Viewing South, 03/23/2023 5:15 PM



#6 Viewing West, 03/23/2023 5:15 PM

**22. FORT MILES HISTORIC DISTRICT, CAPE HENLOPEN, DELAWARE**

**CONTEXT PHOTOGRAPHY**

Maryland Offshore Wind Project Visual Impact Assessment Simulations

Sheet 2





**22. FORT MILES HISTORIC DISTRICT, CAPE HENLOPEN, DELAWARE  
EXISTING CONDITIONS PANORAMA VIEW, LATE AFTERNOON (5:17 PM)**

Maryland Offshore Wind Project Visual Impact Assessment Simulations

**Sheet 3**



**VIEWING INSTRUCTIONS:** To approximate the field of view represented by a 14.5" panorama it should be printed on an 11" x 17" sheet of paper and viewed from 7 inches away<sup>1</sup>. If viewed in a digital format (i.e. on screen) then similar size and distance should be used. In all cases care must be taken to not over or underrepresent the visual contrasts<sup>2</sup>. Typical binocular human field of view is assumed to be 124-degrees horizontal and 55-degrees vertical. See Sheet 1 for citations.

**Detail**



**22. FORT MILES HISTORIC DISTRICT, CAPE HENLOPEN, DELAWARE  
PANORAMA VIEW WITH SIMULATION, LATE AFTERNOON (5:17 PM)**

Maryland Offshore Wind Project Visual Impact Assessment Simulations

**Sheet 4**



**VIEWING INSTRUCTIONS:** To approximate the field of view represented by a 14.5" panorama it should be printed on an 11" x 17" sheet of paper and viewed from 7 inches away<sup>1</sup>. If viewed in a digital format (i.e. on screen) then similar size and distance should be used. In all cases care must be taken to not over or underrepresent the visual contrasts<sup>2</sup>. Typical binocular human field of view is assumed to be 124-degrees horizontal and 55-degrees vertical. See Sheet 1 for citations.



VIEWING INSTRUCTIONS: To approximate the field of view represented by a 14.5" single frame simulation captured with a 50-mm lens it should be printed on an 11" x 17" sheet of paper and viewed from 21 inches away<sup>1</sup>. If viewed in a digital format (i.e. on screen) then similar size and distance should be used. In all cases care must be taken to not over or underrepresent the visual contrasts<sup>2</sup>. See Sheet 1 for citations.

**22. FORT MILES HISTORIC DISTRICT, CAPE HENLOPEN, DELAWARE  
SINGLE FRAME (50-mm LENS) SIMULATION, MORNING (8:09 AM)**

Maryland Offshore Wind Project Visual Impact Assessment Simulations

**Sheet 5**





VIEWING INSTRUCTIONS: To approximate the field of view represented by a 14.5" single frame simulation captured with a 50-mm lens it should be printed on an 11" x 17" sheet of paper and viewed from 21 inches away<sup>1</sup>. If viewed in a digital format (i.e. on screen) then similar size and distance should be used. In all cases care must be taken to not over or underrepresent the visual contrasts<sup>2</sup>. See Sheet 1 for citations.

**22. FORT MILES HISTORIC DISTRICT, CAPE HENLOPEN, DELAWARE  
SINGLE FRAME (50-mm LENS) SIMULATION, MID-DAY (2:28 PM)**

Maryland Offshore Wind Project Visual Impact Assessment Simulations

**Sheet 6**

