

### SITE INFORMATION

	Morning	Mid-Day	Late Afternoon
Site Name: Cape May Light House			
Location: Cape May Point, NJ			
Date:	3/26/2023	3/26/2023	3/25/2023
Time:	7:58 AM	12:20 PM	4:53 PM
Coordinates (Lat/Lon WGS84): 38.931, -74.958			
Landscape Zone: Barren Land (Rock/Sand/Clay) - Beach			

### VIEW AND CAMERA DETAILS

	Morning	Mid-Day	Late Afternoon
Direction of View:	164.9°	164.9°	164.9°
Ground Elevation (ft msl):	148.3	148.3	148.3
Camera/Viewing Elevation (ft msl):	153.3	153.3	153.3
Camera Used for Simulation Photography:	Nikon D750	Nikon D850	Nikon D750
Camera Lens Focal Length:	50 mm	50 mm	50 mm
Photo Resolution:	1200	1200	1200
Horizontal Field of View (Panoramas):		124°	
Horizontal Field of View (Single Frame 50 mm Lens):	39.6°		39.6°

### ENVIRONMENT

	Morning	Mid-Day	Late Afternoon
Weather Conditions:	Clear/sunny	Clear/calm	Cloudy
Temperature:	48 F	54 F	56 F
Humidity:	92%	49%	93%
Lighting Conditions:	Strong light	Clear/sunny	Overcast
Visibility:	10 Miles	10 Miles	8 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)\*: 33.6  
 Distance to Farthest Visible Turbine (Statute Miles)\*: 50.8  
 Nearest Turbine Visible Height (ft, %): 745.4 ft, 79%  
 Farthest Turbine Visible Height (ft, %): 212.8 ft, 23%

### SHEET INDEX AND VIEWING INSTRUCTIONS

- Sheet 1 – Simulation Context Information
- Sheet 2 – Context Photography
- Sheet 3 – Existing Conditions Elevated (146') Panorama View, Mid-Day (12:20 PM)
- Sheet 4 – Elevated (146') Panorama View With Simulation, Mid-Day (12:20 PM)
- Sheet 5 – Single Frame (50-mm Lens) Simulation, Morning (7:58 AM)
- Sheet 6 – Single Frame (50-mm Lens) Simulation, Late Afternoon (4:53 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.

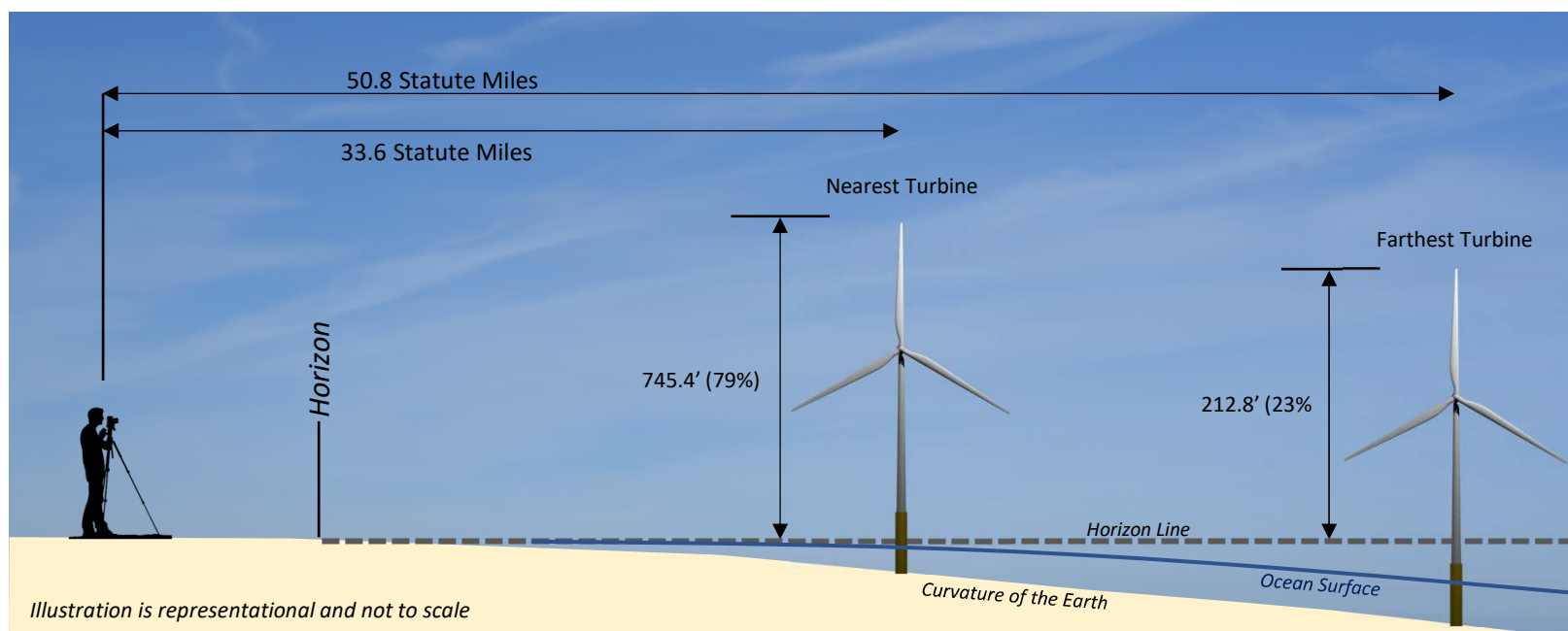


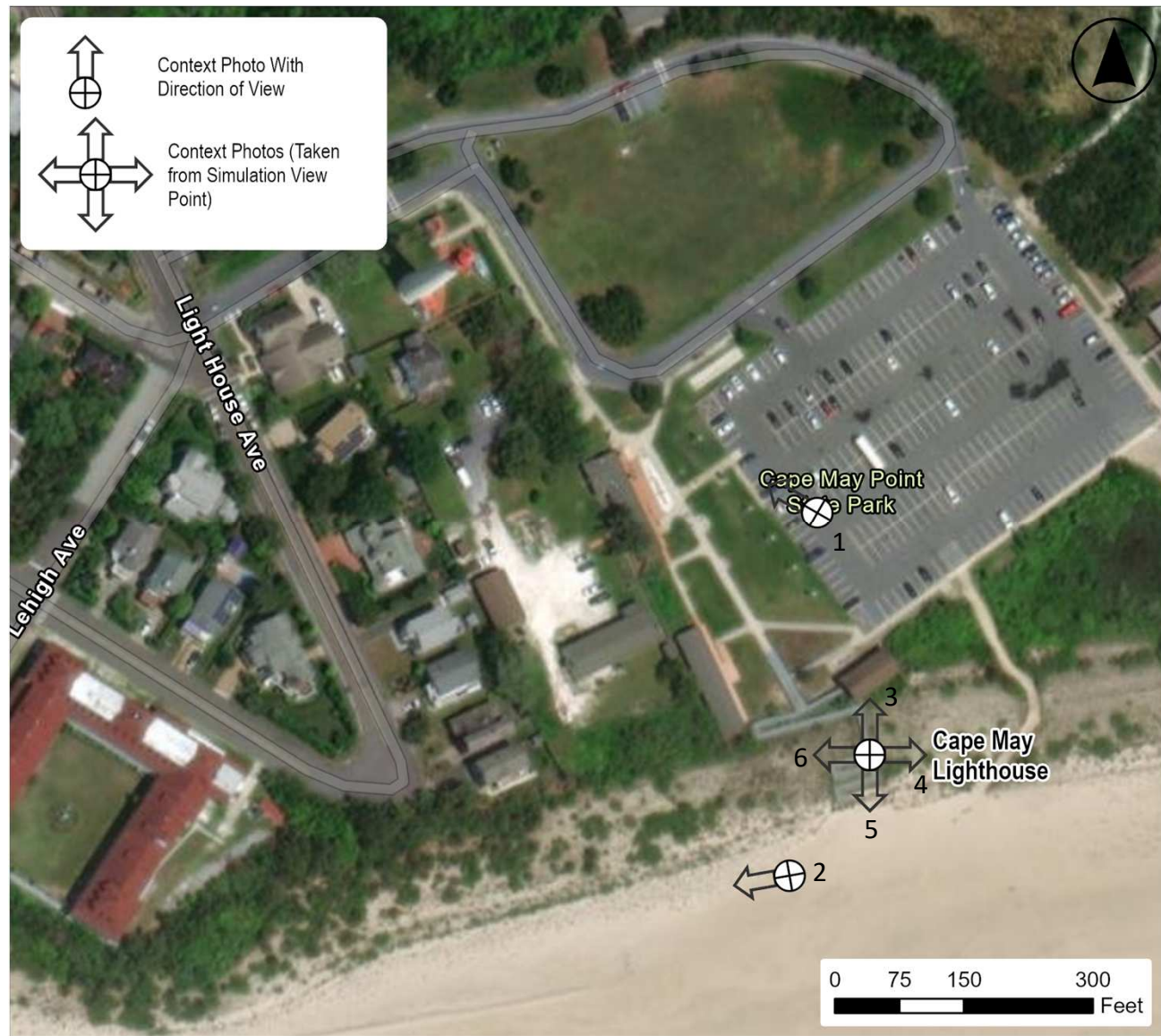
Illustration is representational and not to scale

## 21. CAPE MAY LIGHTHOUSE, CAPE MAY, NEW JERSEY SIMULATION CONTEXT INFORMATION

Maryland Offshore Wind Project Visual Impact Assessment Simulations

Sheet 1



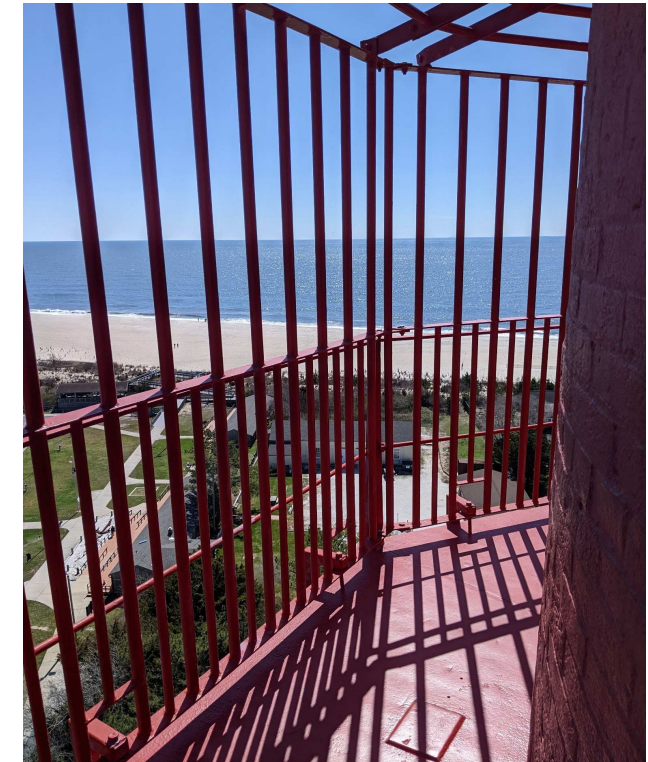


### Cape May Lighthouse

The Cape May Point State Park and Lighthouse are popular tourist destinations 33.6 miles to the northwest of the nearest WTG location. While beach activities are popular, the park also includes a museum and coastal defense installations associated with Fort Miles. The historic lighthouse is 157.5 feet tall with a caged observation deck open to the public at 140 feet and is an important navigation feature actively maintained by the US Coast Guard.



#1 View from the Cape May Lighthouse observation deck, looking east, with the beach and parking lot visible, 3/26/2023 12:16 PM



#2 View from the Cape May Lighthouse observation deck, looking south, with the beach and Atlantic Ocean visible, 3/26/2023 12:24 PM



#3 Viewing North, 03/26/2023 8:00 AM



#4 Viewing East, 03/26/2023 8:00 AM



#5 Viewing South, 03/26/2023 8:00 AM



#6 Viewing West, 03/26/2023 8:00 AM



**21. CAPE MAY LIGHTHOUSE, CAPE MAY NEW JERSEY  
EXISTING CONDITIONS ELEVATED (146') PANORAMA VIEW, MID-DAY (12:20 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



**21. CAPE MAY LIGHTHOUSE, CAPE MAY NEW JERSEY  
ELEVATED (146') PANORAMA VIEW WITH SIMULATION, MID-DAY (12:20 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 under represent the visual contrasts<sup>2</sup>. See Sheet 1 for citations.

**21. CAPE MAY LIGHTHOUSE, CAPE MAY NEW JERSEY  
SINGLE FRAME (50-mm LENS) SIMULATION, MORNING (7:58 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 under represent the visual contrasts<sup>2</sup>. See Sheet 1 for citations.

**21. CAPE MAY LIGHTHOUSE, CAPE MAY NEW JERSEY  
SINGLE FRAME (50-mm LENS) SIMULATION, LATE AFTERNOON (4:53 PM)**

Maryland Offshore Wind Project Visual Impact Assessment Simulations

**Sheet 6**

