



Date / Time 20-Oct-2017/7:50

Light Condition: Side Light Camera:

Canon 5d Mark IV Focal Length: 50mm (full frame)

Camera Location

Latitude: 41° 16′ 12.833″N Longitude: 70° 12′ 05.262″W Elevation(±): 7.3 m (24 ft)

Nearest Turbine: 24.0 km (14.9 mi)

Visual Setting

Resource Type:

Recreation, Historic Resources

Landscape Unit:

Ocean Beach, Coastal Dunes Shoreline Resi-

dential

Viewer Groups

Residents Vacationers, Recreational

Circumstances

Stationary

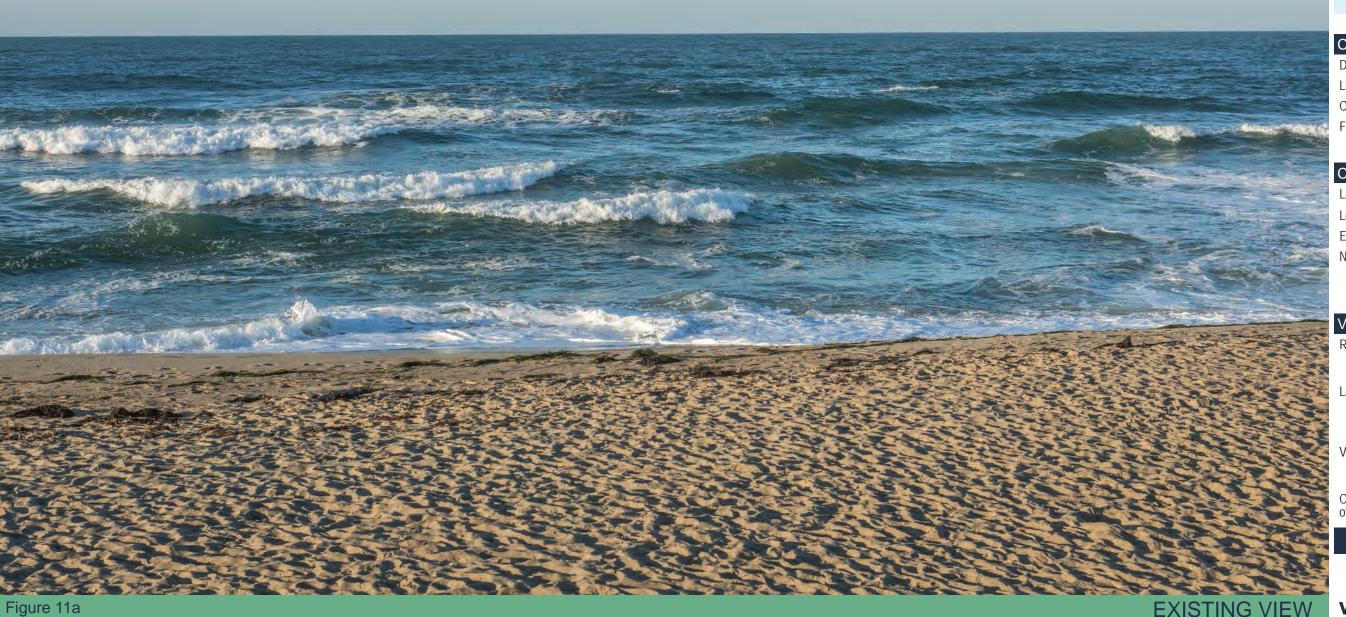
of View:

The above photograph is intended to be viewed 20 inches from the reader's eye when printed on 11"x17" paper and 13 inches from the reader's eye when printed on 8 1/2" x 11" paper. Viewing on an uncalibrated video moni-

tor can alter intended lightness, color and/or contrast of the image

VINEYARD WIND

SARATOGA ASSOCIATES



Madaket Beach

Town of Nantucket, Nantucket Island, MA





Date / Time 20-Oct-2017/7:50 Light Condition: Side Light Camera:

Canon 5d Mark IV Focal Length: 50mm (full frame)

Camera Location

Latitude: 41° 16′ 12.833″N Longitude: 70° 12′ 05.262″W Elevation(±): 7.3 m (24 ft) Nearest Turbine: 24.0 km (14.9 mi)

Visible Portion of Turbine

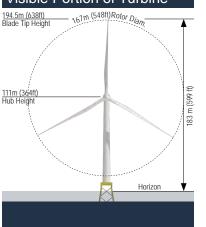




Figure 11b **Madaket Beach** Town of Nantucket, Nantucket Island, MA

This photo simulation conservatively presents project visibility under clear weather conditions. Minimal atmospheric haze is applied to simulated elements to account for sea spray and sea salt

The above photograph is intended to be viewed 20 inches from the reader's eye when printed on 11"x17" paper and 13 inches from the reader's eye when printed on 8 1/2" x 11" paper. Viewing on an uncalibrated video moni-

SARATOGA ASSOCIATES





Date / Time 20-Oct-2017/7:50 Light Condition: Side Light/Haze Camera: Canon 5d Mark IV Focal Length: 50mm (full frame)

Camera Location

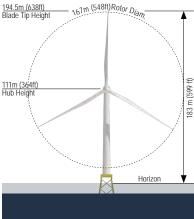
 Latitude:
 41° 16′ 12.833″N

 Longitude:
 70° 12′ 05.262″W

 Elevation(±):
 7.3 m (24 ft)

 Nearest Turbine:
 24.0 km (14.9 mi)

Visible Portion of Turbine





SARATOGA ASSOCIATES



Figure 11c

Madaket Beach

Town of Nantucket, Nantucket Island, MA

This visualization incorporates a simulated haze condition that reduces visibility of the WTGs to approximately 50%.



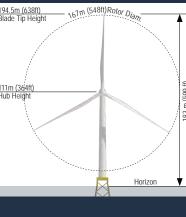


Date / Time 20-Oct-2017/7:50 Light Condition: Side Light/Haze Camera: Canon 5d Mark IV Focal Length: 50mm (full frame)

Camera Location

Latitude: 41° 16′ 12.833″N Longitude: 70° 12′ 05.262″W Elevation(±): 7.3 m (24 ft) Nearest Turbine: 24.0 km (14.9 mi)

Visible Portion of Turbine





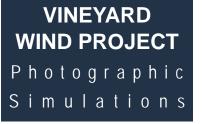
SARATOGA ASSOCIATES

Figure 11d **Madaket Beach** Town of Nantucket, Nantucket Island, MA

This visualization incorporates a simulated haze condition that substantialy masks visibility of

The above photograph is intended to be viewed 20 inches from the reader's eye when printed on 11"x17" paper and 13 inches from the reader's eye when printed on 8 1/2" x 11" paper. Viewing on an uncalibrated video moni-

SIMULATED VIEW - HEAVY HAZE





Date / Time 20-Oct-2017/8:59

Light Condition: Side Light

Camera: Canon 5d Mark IV Focal Length: 50mm (full frame)

Camera Location

Latitude: 41° 15′ 07.545″N Longitude: 70° 09′ 09.227″W

Elevation(±): 3.7 m (12 ft) Nearest Turbine: 25.3 km (15.7 mi)

Visual Setting

Resource Type: Recreation

Landscape Unit:

Ocean Beach, Coastal Dunes, Salt Pond/Tidal

Viewer Groups

Residents Vacationers, Recreational

Circumstances of View:

Stationary

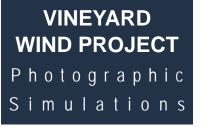
The above photograph is intended to be viewed 20 inches from the reader's eye when printed on 11"x17" paper and 13 inches from the reader's eye when printed on 8 1/2" x 11" paper. Viewing on an uncalibrated video moni-







Town of Nantucket, Nantucket Island, MA





Date / Time 20-Oct-2017/8:59
Light Condition: Side Light
Camera: Canon 5d Mark IV

Focal Length: 50mm (full frame)

Camera Location

Latitude: 41° 15′ 07.545″N

Longitude: 70° 09′ 09.227″W

Elevation(±): 3.7 m (12 ft)

Nearest Turbine: 25.3 km (15.7 mi)

Visible Portion of Turbine





VINEYARD WIND

SARATOGA ASSOCIATES



Cisco Beach
Town of Nantucket, Nantucket Island, MA

This photo simulation conservatively presents project visibility under clear weather conditions. Minimal atmospheric haze is applied to simulated elements to account for sea spray and sea salt typical of atmospheric conditions over the ocean.



Town of Nantucket, Nantucket Island, MA

VINEYARD WIND PROJECT Photographic Simulations



Camera Data

Date / Time 20-Oct-2017/10:17 Light Condition: Side Light

Camera: Canon 5d Mark IV 50mm (full frame)

Camera Location

Latitude: 41° 14′ 34.724″N Longitude: 70° 07′ 03.322″W Elevation(±): 3.7 m (12 ft)

Nearest Turbine: 27.0 km (16.7 mi)

Visual Setting

Resource Type:

Recreation, Historic Resources

Landscape Unit:

Ocean Beach, Coastal Dunes, Salt Pond/Tidal

Viewer Groups

Residents Vacationers, Recreational

Circumstances of View:

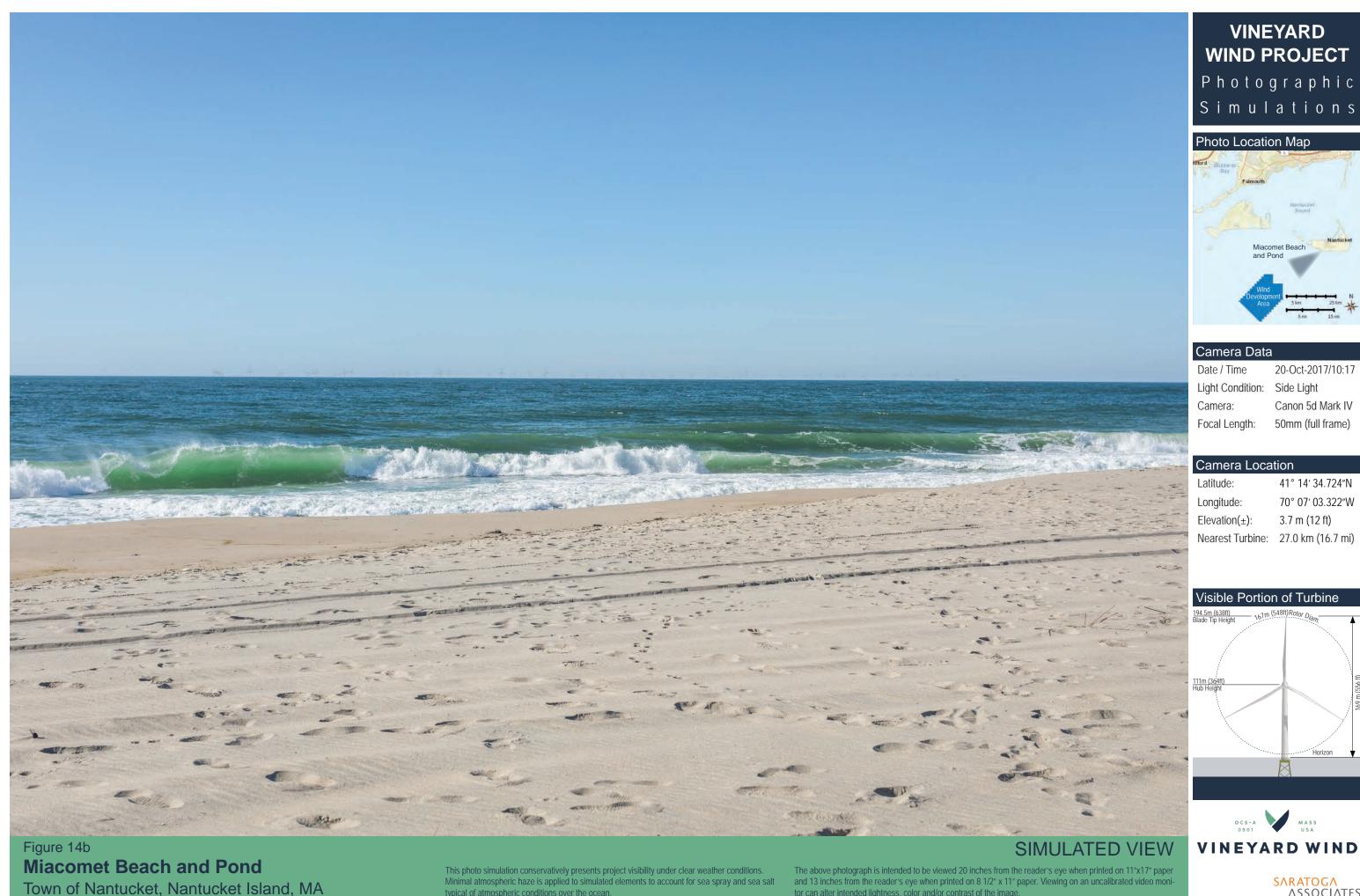
tor can alter intended lightness, color and/or contrast of the image.

Stationary

Marsh







SARATOGA ASSOCIATES

VINEYARD

20-Oct-2017/10:17

Canon 5d Mark IV

50mm (full frame)

41° 14′ 34.724″N

70° 07′ 03.322″W

3.7 m (12 ft)



Surfside Beach

Town of Nantucket, Nantucket Island, MA

VINEYARD WIND PROJECT Photographic Simulations



Camera Data

Date / Time 20-Oct-2017/12:00
Light Condition: Side Light

Camera: Canon 5d Mark IV Focal Length: 50mm (full frame)

Camera Location

Latitude: 41° 14′ 34.260″N

Longitude: 70° 05′ 39.788″W

Elevation(±): 3.7 m (12 ft)

Nearest Turbine: 28.5 km (17.7 mi)

Visual Setting

Resource Type:

Recreation, Historic Resources

Landscape Unit:

Ocean Beach, Coastal Dunes, Salt Pond/Tidal Marsh

Viewer Groups

Residents Vacationers, Recreational

Stationary

Circumstances of View:

The above photograph is intended to be viewed 20 inches from the reader's eye when printed on 11"x17" paper and 13 inches from the reader's eye when printed on 8 1/2" x 11" paper. Viewing on an uncalibrated video moni-

tor can alter intended lightness, color and/or contrast of the image.

i:



VINEYARD WIND

SARATOGA ASSOCIATES



SARATOGA ASSOCIATES

Canon 5d Mark IV

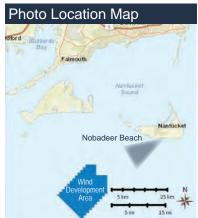
41° 14′ 34.260″N

70° 05′ 39.788″W

3.7 m (12 ft)



VINEYARD WIND PROJECT Photographic Simulations



Camera Data

Date / Time 20-Oct-2017/13:12 Light Condition: Back Light

Canon 5d Mark IV Focal Length: 50mm (full frame)

Camera Location

Latitude: 41° 14′ 41.751″N Longitude: 70° 04′ 41.337″W Elevation(±): 6.1 m (20 ft) Nearest Turbine: 29.8 km (18.5 mi)

Visual Setting

Resource Type:

Recreation, Historic Resources

Landscape Unit:

Ocean Beach, Coastal Dunes, Salt Pond/Tidal

Marsh

Viewer Groups

Residents Vacationers, Recreational

Circumstances of View:

Stationary



VINEYARD WIND

SARATOGA ASSOCIATES

EXISTING VIEW Nobadeer Beach The above photograph is intended to be viewed 20 inches from the reader's eye when printed on 11"x17" paper and 13 inches from the reader's eye when printed on 8 1/2" x 11" paper. Viewing on an uncalibrated video moni-

tor can alter intended lightness, color and/or contrast of the image.



SIMULATED VIEW

The above photograph is intended to be viewed 20 inches from the reader's eye when printed on 11"x17" paper and 13 inches from the reader's eye when printed on 8 1/2" x 11" paper. Viewing on an uncalibrated video monitor can alter intended lightness, color and/or contrast of the image.

VINEYARD WIND PROJECT Photographic Simulations



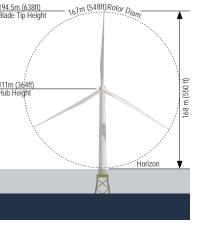
Camera Data

Date / Time 20-Oct-2017/13:12 Light Condition: Back Light Camera: Canon 5d Mark IV Focal Length: 50mm (full frame)

Camera Location

41° 14′ 41.751″N Longitude: 70° 04′ 41.337″W Elevation(±): 6.1 m (20 ft) Nearest Turbine: 29.8 km (18.5 mi)

Visible Portion of Turbine





VINEYARD WIND

SARATOGA ASSOCIATES

VINEYARD WIND PROJECT Photographic Simulations



Camera Data

Date / Time 20-Oct-2017/14:45 Light Condition: Back Light Camera: Canon 5d Mark IV

Focal Length: 50mm (full frame)

Camera Location

Latitude: 41° 14′ 23.522″N Longitude: 70° 00′ 33.675″W Elevation(±): 16.8 m (55 ft) Nearest Turbine: 34.5 km (21.4 mi)

Visual Setting

Resource Type: Recreation Landscape Unit: Maintained Rec-

reation, Coastal Bluffs, Coastal Scrub

Viewer Groups

Residents Vacationers, Recreational

Circumstances

Stationary

of View:







VINEYARD WIND PROJECT Photographic Simulations



Camera Data

Date / Time 20-Oct-2017/14:45
Light Condition: Back Light
Camera: Canon 5d Mark IV
Focal Length: 50mm (full frame)

Camera Location

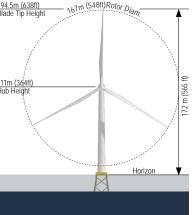
Latitude: 41° 14′ 23.522″N

Longitude: 70° 00′ 33.675″W

Elevation(±): 16.8 m (55 ft)

Nearest Turbine: 34.5 km (21.4 mi)

Visible Portion of Turbine





SARATOGA ASSOCIATES



Figure 17b

Tom Nevers Field

Town of Nantucket, Nantucket Island, MA

This photo simulation conservatively presents project visibility under clear weather conditions. Minimal atmospheric haze is applied to simulated elements to account for sea spray and sea salt typical of atmospheric conditions over the ocean.

of View:

Figure 18a **Great Point Lighthouse** Town of Nantucket, Nantucket Island, MA

EXISTING VIEW

The above photograph is intended to be viewed 20 inches from the reader's eye when printed on 11"x17" paper and 13 inches from the reader's eye when printed on 8 1/2" x 11" paper. Viewing on an uncalibrated video moni-

VINEYARD WIND PROJECT Photographic Simulations



Camera Data

Date / Time 20-Oct-2017/16:43 Light Condition: Back Light Camera: Canon 5d Mark IV Focal Length: 50mm (full frame)

Camera Location

Latitude: 41° 23′ 22.403″N Longitude: 70° 03′ 02.137″W Elevation(±): 2.7 m (9 ft) Nearest Turbine: 42.4 km (26.3 mi)

Visual Setting

Resource Type:

NRHP, Recreation

Landscape Unit: Maintained Rec-

reation, Coastal Bluffs, Coastal Scrub

Viewer Groups

Tourists, Vacationers, Recreational

Circumstances Stationary



VINEYARD WIND



Figure 18b

SIMULATED VIEW

The above photograph is intended to be viewed 20 inches from the reader's eye when printed on 11"x17" paper and 13 inches from the reader's eye when printed on 8 1/2" x 11" paper. Viewing on an uncalibrated video moni-

VINEYARD WIND PROJECT Photographic Simulations



Camera Data

Date / Time 20-Oct-2017/16:43 Light Condition: Back Light Camera: Canon 5d Mark IV Focal Length: 50mm (full frame)

Camera Location

Latitude: 41° 23′ 22.403″N Longitude: 70° 03′ 02.137″W Elevation(±): 2.7 m (9 ft) Nearest Turbine: 42.4 km (26.3 mi)

Visible Portion of Turbine

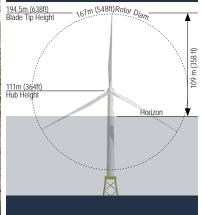






Figure 20c SIMULATED VIEW - MODERATE HAZE

VINEYARD WIND PROJECT Photographic Simulations

Photo Location Map



Camera Data

Date / Time 17-Oct-2017/15:08
Light Condition: Side Light/Haze
Camera: Canon 5d Mark IV
Focal Length: 50mm (full frame)

Camera Location

Latitude: 41°37'22.722"N

Longitude: 70°21'54.928"W

Elevation(±): 6.1 m (20 ft)

Nearest Turbine: 54.1 km (33.6 mi)

Visible Portion of Turbine

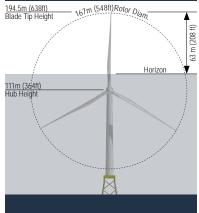






Figure 3a

Madaket Beach

Town of Nantucket, Nantucket Island, MA

This photo simulation conservatively presents project visibility under clear weather conditions. Minimal atmospheric haze is applied to simulated elements to account for sea spray and sea salt typical of atmospheric conditions over the ocean.

Panoramic Image (124° x 55°) - This panoramic image approximates the full horizontal and vertical field-of-view of normal human eyesight.

Camera Data

Date / Time 20-Oct-2017/7:50
Light Condition: Side Light
Camera: Canon 5d Mark IV
Focal Length: 50mm (full frame)

Camera Location

Latitude: 41° 16' 12.833"N

Longitude: 70° 12' 05.262"W

Elevation(±): 7.3 m (24 ft)

Nearest Turbine: 24.1 km (14.9 mi)



D

Visible Portion of Turbine

VINEYARD
WIND PROJECT
Photographic
Simulations

SIMULATED VIEW - DAYTIME VIEW PANORAMIC IMAGE

