V19. Corson’s Inlet State Park
Ocean City, Cape May County

LANDSCAPE INFORMATION
Field Identification Number. 140
Context Image Dates. 15 August 2018
Site Map Aerial Date. 26 July 2018
Physiographic Area. Shoreline
Landscape Similarity Zone (LSZ). Beachfront

Scenic Resources. Viewpoint from Corson’s Inlet State Park, near Cape May Coastal Wetlands Wildlife Management Area.

SITE MAP

CONTEXT IMAGES
1. View looking northeast from Rush Chattin Bridge toward Corson’s Inlet State Park.
2. View looking northeast from beachfront north of state park.
3. View looking southeast from end of trail connecting state park parking lot to beachfront.
4. View looking southwest from beach in state park toward Strathmere.
5. View looking northeast from state park beach toward Ocean City.
6. View looking southwest from west side of state park toward Corson’s Inlet Bridge and Strathmere Bay.

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Ocean Wind Alternatives Analysis

V19. Corson’s Inlet State Park
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CONTEXT MAP

ALTERNATIVES ANALYSIS

Original Layout: Turbine layout submitted in COP.
Turbine Dimensions: 906 ft blade tip height, 512 ft hub height, 788 ft rotor diameter.

TURBINE DIMENSIONS

BLADE TIP HEIGHT
906 ft (276 m)

HUB HEIGHT
512 ft (156 m)

ROTOR DIAMETER
788 ft (240 m)

Indicative Turbines

IMAGE DATA

LOCATION
Date 15 August 2018
Time 4:55 PM
Latitude 39.213474°
Longitude -74.642627°
Direction of View Southeast
LSZ Beachfront

PHOTO
Field ID 140
Camera NIKON D750
Resolution 300 dpi
Focal Length 50mm
Viewer Eye Elevation 15°

ENVIRONMENTAL
Temperature (°F) 90°
Humidity 45%
Visibility 10 mi
Wind Direction W
Wind Speed 12 mph
Weather Conditions Sunny

PROJECT VIEW
Distance to Project 16.22 miles
Project Horizontal Field of View (HFOV) 34°

PROJECT INFRASTRUCTURE
Number of Turbines 99
Number of offshore Substations 3

OCEAN WIND

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Ocean City, Cape May County

**PANORAMIC VISUALIZATION**

**CONTEXT MAP**

**ALTERNATIVES ANALYSIS**

Alternative B-1: Exclusion of up to nine turbine positions in the first two shoreward strings of turbines that includes F01 to K01 and B02 to D02.

Turbine dimensions: 853 ft blade tip height, 492 ft hub height, 722 ft rotor diameter.

**TURBINE DIMENSIONS**

- **BLADE TIP HEIGHT**: 853 ft (260 m)
- **HUB HEIGHT**: 492 ft (150 m)
- **ROTOR DIAMETER**: 722 ft (220 m)

**IMAGE DATA**

- **LOCATION**
  - Date: 15 August 2018
  - Time: 4:55 PM
  - Latitude: 39.213474°
  - Longitude: -74.642627°
  - Direction of View: Southeast
  - LSZ: Beachfront

- **PHOTO**
  - Field ID: 140
  - Camera: NIKON D750
  - Resolution: 300 dpi
  - Focal Length: 50mm
  - Viewer Eye Elevation: 15'

- **PROJECT INFRASTRUCTURE**
  - Number of Turbines: 89
  - Number of offshore Substations: 3

**ENVIRONMENTAL**

- Temperature (°F): 90°
- Humidity: 45%
- Visibility: 10 mi
- Wind Direction: W
- Wind Speed: 12 mph
- Weather Conditions: Sunny

**PROJECT VIEW**

- Distance to Project: 17.07 miles
- Project Horizontal Field of View (HFOV): 33°

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V19. Corson’s Inlet State Park
Ocean City, Cape May County

**ALTERNATIVES ANALYSIS**

**TURBINE DIMENSIONS**
- Blade Tip Height: 906 ft (276 m)
- Hub Height: 512 ft (156 m)
- Rotor Diameter: 788 ft (240 m)

**Notable Turbines**
- 906 ft blade tip height,
- 512 ft hub height,
- 788 ft rotor diameter.

**LOCATION**
- Date: 15 August 2018
- Time: 4:55 PM
- Latitude: 39.213474°
- Longitude: -74.642627°
- Viewer Eye Elevation: 15'
- Direction of View: Southeast

**PHOTO**
- Field ID: 140
- Camera: NIKON D750
- Resolution: 300 dpi
- Focal Length: 50mm
- Viewer Eye Elevation: 15'

**IMAGE DATA**

**ENVIRONMENTAL**
- Temperature (°F): 90°
- Humidity: 45%
- Visibility: 10 mi
- Wind Direction: W
- Wind Speed: 12 mph
- Weather Conditions: Sunny

**PROJECT VIEW**
- Distance to Project: 17.92 miles
- Project Horizontal Field of View (HFOV): 30°

**PROJECT INFRASTRUCTURE**
- Number of Turbines: 79
- Number of offshore Substations: 3

**ALTERNATIVE B-2 VISUALIZATION**

**CONTEXT MAP**

**Ocean City, Cape May County**

**ALTERNATIVE B-2 LAYOUT**

**ALTERNATIVE B-2 VISUALIZATION**

**ORIGINL LAYOUT**

**V19. Corson’s Inlet State Park**

**Ocean City, Cape May County**

**PROJECT VIEW**

**DISTANCE TO PROJECT**

**ENVIRONMENTAL**

**PHOTO**

**LOCATION**

**Figure 15. Ocean City, Cape May County**
Ocean Wind Alternatives Analysis

V19. Corson’s Inlet State Park
Ocean City, Cape May County

ALTERNATIVES ANALYSIS

Alternative C-1: Exclusion of eight turbine positions (A02 to A09), relocation of eight turbine positions to the northern portion of the Ocean Wind Lease Area (C00 to F00 and B01 to E01).

Turbine Dimensions: 906 ft blade tip height, 512 ft hub height, 788 ft rotor diameter.

TURBINE DIMENSIONS

BLADE TIP HEIGHT
906 ft (276 m)

HUB HEIGHT
512 ft (156 m)

ROTOR DIAMETER
788 ft (240 m)

Indicative Turbines

IMAGE DATA

LOCATION
Date: 15 August 2018
Time: 4:55 PM
Latitude: 39.213474°
Longitude: -74.642627°
Direction of View: Southeast
LSZ: Beachfront

PHOTO
Field ID: 140
Camera: NIKON D750
Resolution: 300 dpi
Focal Length: 50mm
Viewer Eye Elevation: 15'

ENVIRONMENTAL
Temperature (°F): 90°
Humidity: 45%
Visibility: 10 mi
Wind Direction: W
Wind Speed: 12 mph
Weather Conditions: Sunny

PROJECT VIEW
Distance to Project: 16.22 miles
Project Horizontal Field of View (HFOV): 33°

PROJECT INFRASTRUCTURE
Number of Turbines: 98
Number of offshore Substations: 3

CONTEXT MAP

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Corson’s Inlet State Park
Ocean City, Cape May County

OCEAN WIND

V19

tjd&a Landscape Architects & Planners

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Ocean City, Cape May County

Corson's Inlet State Park

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V19. Corson’s Inlet State Park
Ocean City, Cape May County
**Ocean Wind Alternatives Analysis**

**V19. Corson’s Inlet State Park**

**Ocean City, Cape May County**

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**TURBINE DIMENSIONS**

- **HUB HEIGHT**: 906 ft (276 m)
- **BLADE TIP HEIGHT**: 512 ft (156 m)
- **ROTOR DIAMETER**: 788 ft (240 m)

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**VIEW NOTE**

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**ALTERNATIVE B-2 VISUALIZATION**

NORMAL VIEW 1

**V19**

Corson's Inlet State Park

Ocean City, Cape May County

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**ALTERNATIVE B-2 VISUALIZATION**

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TURBINE DIMENSIONS

HUB HEIGHT
512 ft (156 m)
BLADE TIP HEIGHT
788 ft (240 m)
ROTOR DIAMETER
906 ft (276 m)

ALTERNATIVE C-1 VISUALIZATION

VIEW NOTE

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Ocean City, Cape May County

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Ocean Wind Alternatives Analysis

V19. Corson’s Inlet State Park
Ocean City, Cape May County

HUB HEIGHT
BLADE TIP HEIGHT
ROTOR DIAMETER
906 ft (276 m)
512 ft (156 m)
788 ft (240 m)

TURBINE DIMENSIONS

NORMAL VIEW 2

VIEW NOTE
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Ocean Wind Alternatives Analysis

V19. Corson’s Inlet State Park
Ocean City, Cape May County

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**Ocean Wind Alternatives Analysis**

**V19. Corson’s Inlet State Park**
Ocean City, Cape May County

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**NORMAL VIEW 2 VISUALIZATION**

**V19**

*Corson’s Inlet State Park*
Ocean City, Cape May County

**ALTERNATIVE B-2 VISUALIZATION**

**VIEW NOTE**
When printed on 11x17 inch paper, viewer should hold this image approximately 21 inches from eye to replicate actual view.

**TURBINE DIMENSIONS**

- **HUB HEIGHT:** 512 ft (156 m)
- **BLADE TIP HEIGHT:** 788 ft (240 m)
- **ROTOR DIAMETER:** 906 ft (276 m)

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OCEAN WIND

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