

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 Chatten 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.

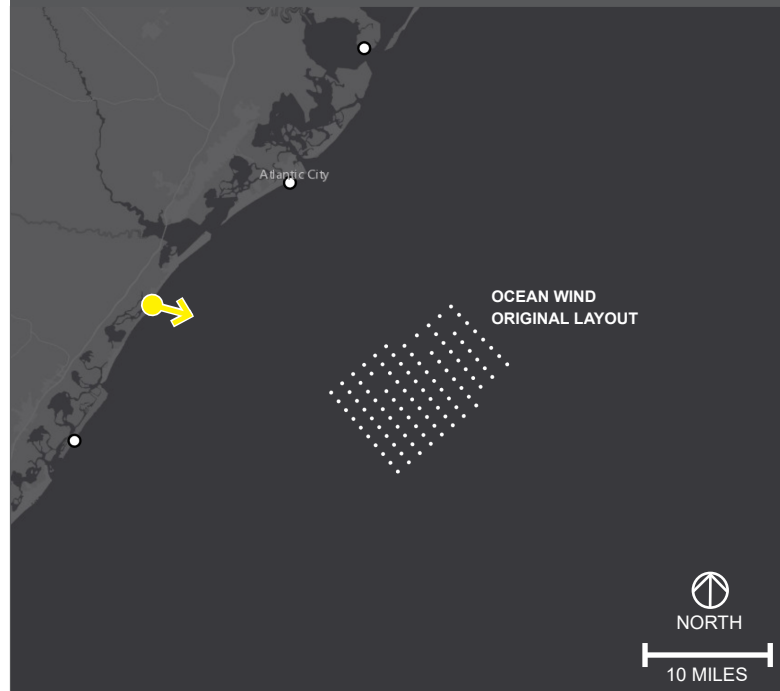
PANORAMIC VISUALIZATION



EXTENT OF NORMAL VIEW 1

EXTENT OF NORMAL VIEW 2

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

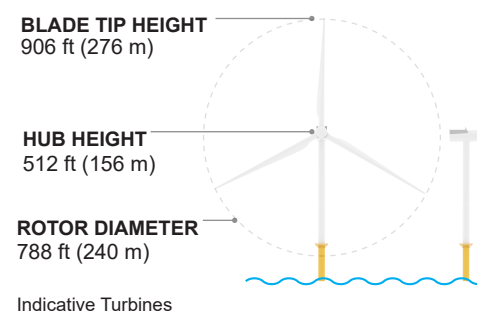


IMAGE DATA

LOCATION

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

ENVIRONMENTAL

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

PHOTO

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

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

V19

Corson's Inlet State Park

Ocean City, Cape May County

OCEAN WIND

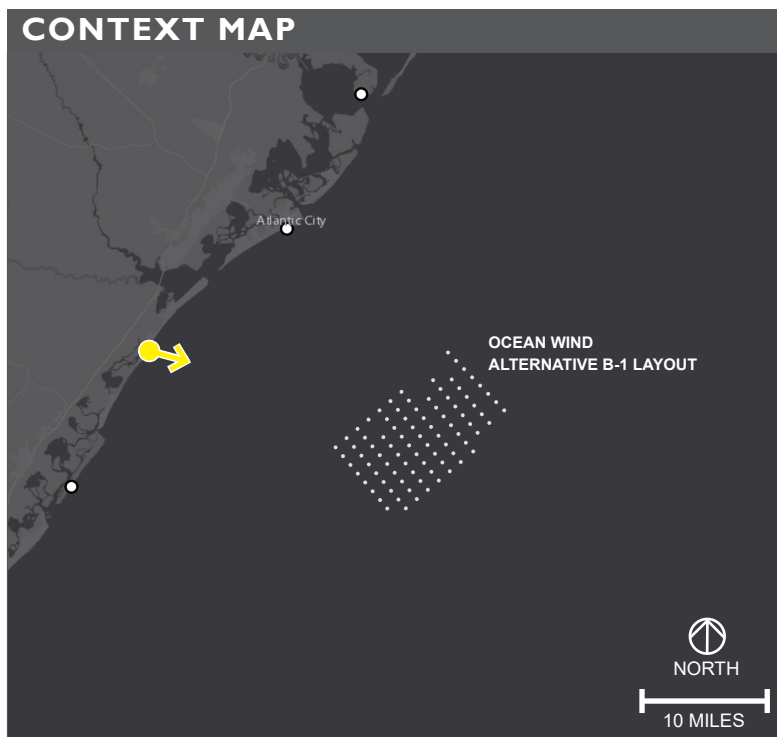
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PANORAMIC VISUALIZATION



EXTENT OF NORMAL VIEW 1

EXTENT OF NORMAL VIEW 2



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.

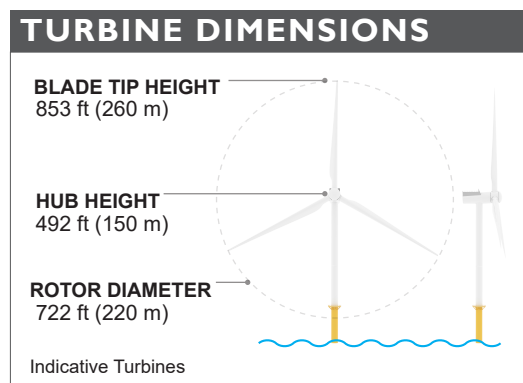


IMAGE DATA

LOCATION		ENVIRONMENTAL	
Date	15 August 2018	Temperature (°F)	90°
Time	4:55 PM	Humidity	45%
Latitude	39.213474°	Visibility	10 mi
Longitude	-74.642627°	Wind Direction	W
Direction of View	Southeast	Wind Speed	12 mph
LSZ	Beachfront	Weather Conditions	Sunny
PHOTO		PROJECT VIEW	
Field ID	140	Distance to Project	17.07 miles
Camera	NIKON D750	Project Horizontal Field of View (HFOV)	33°
Resolution	300 dpi		
Focal Length	50mm		
Viewer Eye Elevation	15'		
PROJECT INFRASTRUCTURE			
Number of Turbines	89		
Number of offshore Substations	3		

V19

Corson's Inlet State Park

Ocean City, Cape May County

OCEAN WIND

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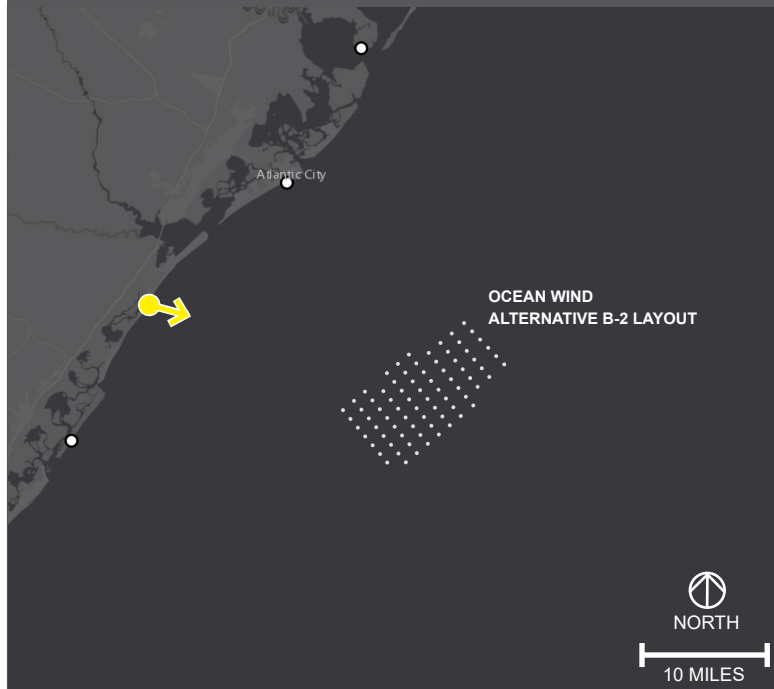
PANORAMIC VISUALIZATION



EXTENT OF NORMAL VIEW 1

EXTENT OF NORMAL VIEW 2

CONTEXT MAP



ALTERNATIVES ANALYSIS

Alternative B-2: Exclusion of up to 19 turbine positions in the first three shoreward strings of turbines that includes F01 to K01, A02 to K02, A03 and C03.

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

TURBINE DIMENSIONS

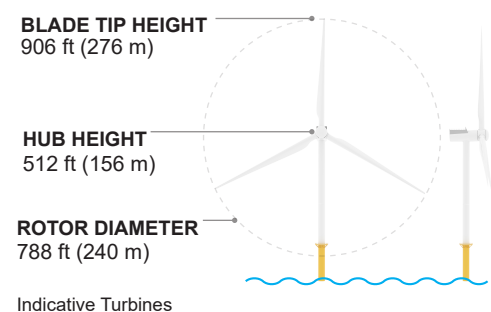


IMAGE DATA

LOCATION

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

ENVIRONMENTAL

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

PHOTO

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

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

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Corson's Inlet State Park

Ocean City, Cape May County

OCEAN WIND

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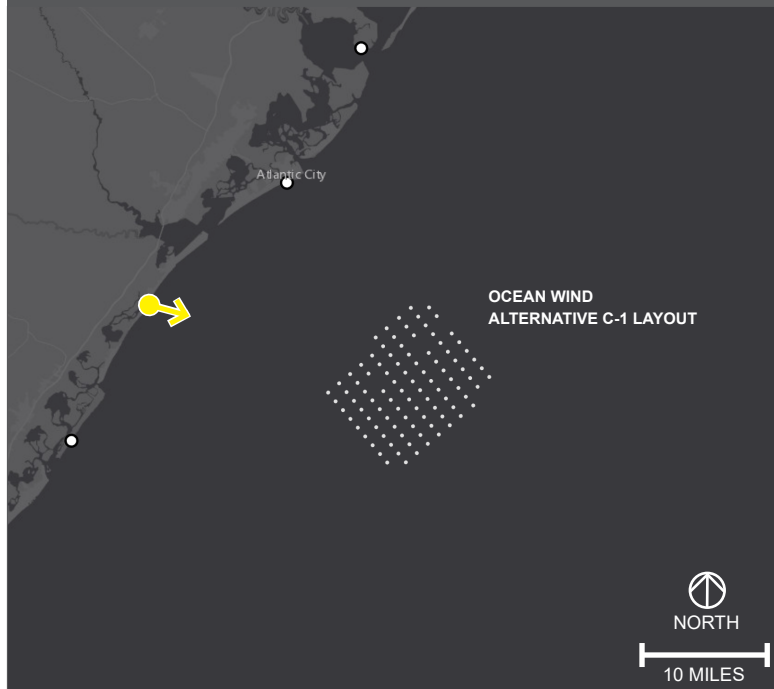
PANORAMIC VISUALIZATION



EXTENT OF NORMAL VIEW 1

EXTENT OF NORMAL VIEW 2

CONTEXT MAP

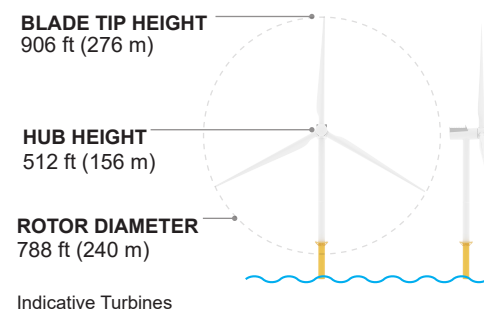


ALTERNATIVES ANALYSIS

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



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

ENVIRONMENTAL

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

PHOTO

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

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

V19

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Ocean City, Cape May County

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V19. Corson's Inlet State Park

Ocean City, Cape May County



**NORMAL VIEW |
EXISTING IMAGE**

V19

**Corson's Inlet
State Park**

**Ocean City,
Cape May County**

VIEW NOTE

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

OCEAN WIND

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V19. Corson's Inlet State Park

Ocean City, Cape May County

ORIGINAL LAYOUT VISUALIZATION



**NORMAL VIEW |
VISUALIZATION**

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**Corson's Inlet
State Park**

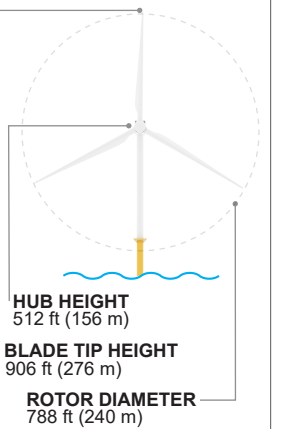
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Cape May County**

**ORIGINAL
VISUALIZATION**

VIEW NOTE

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TURBINE DIMENSIONS



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V19. Corson's Inlet State Park

Ocean City, Cape May County

ALTERNATIVE B-1 VISUALIZATION



NORMAL VIEW | VISUALIZATION

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Corson's Inlet State Park

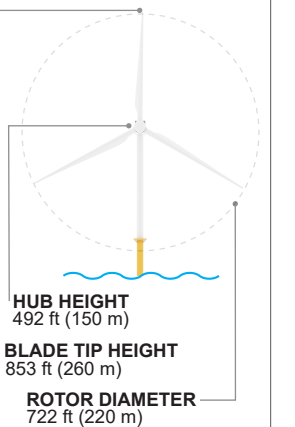
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ALTERNATIVE B-1 VISUALIZATION

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TURBINE DIMENSIONS



OCEAN WIND



V19. Corson's Inlet State Park

Ocean City, Cape May County

ALTERNATIVE B-2 VISUALIZATION



NORMAL VIEW | VISUALIZATION

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Corson's Inlet State Park

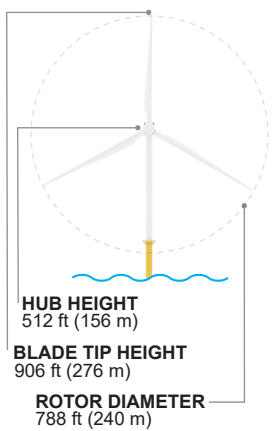
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ALTERNATIVE B-2 VISUALIZATION

VIEW NOTE

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TURBINE DIMENSIONS



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V19. Corson's Inlet State Park

Ocean City, Cape May County

ALTERNATIVE C-1 VISUALIZATION



NORMAL VIEW | VISUALIZATION

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Corson's Inlet State Park

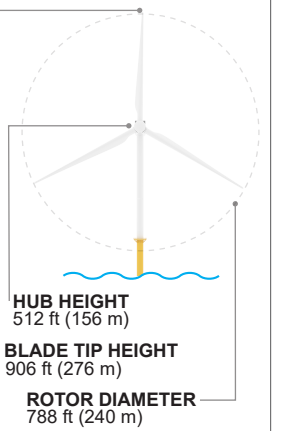
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ALTERNATIVE C-1 VISUALIZATION

VIEW NOTE

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TURBINE DIMENSIONS



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V19. Corson's Inlet State Park

Ocean City, Cape May County



**NORMAL VIEW 2
EXISTING IMAGE**

V19

**Corson's Inlet
State Park**

**Ocean City,
Cape May County**

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V19. Corson's Inlet State Park

Ocean City, Cape May County

ORIGINAL LAYOUT VISUALIZATION



**NORMAL VIEW 2
VISUALIZATION**

V19

**Corson's Inlet
State Park**

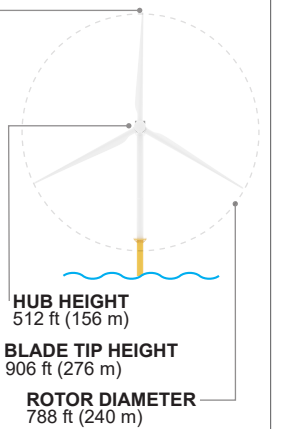
**Ocean City,
Cape May County**

**ORIGINAL
VISUALIZATION**

VIEW NOTE

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TURBINE DIMENSIONS



OCEAN WIND



V19. Corson's Inlet State Park

Ocean City, Cape May County

ALTERNATIVE B-1 VISUALIZATION



NORMAL VIEW 2 VISUALIZATION

V19

Corson's Inlet State Park

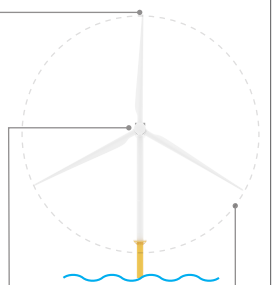
Ocean City, Cape May County

ALTERNATIVE B-1 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
492 ft (150 m)

BLADE TIP HEIGHT
853 ft (260 m)

ROTOR DIAMETER
722 ft (220 m)

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V19. Corson's Inlet State Park

Ocean City, Cape May County

ALTERNATIVE B-2 VISUALIZATION



NORMAL VIEW 2 VISUALIZATION

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Corson's Inlet State Park

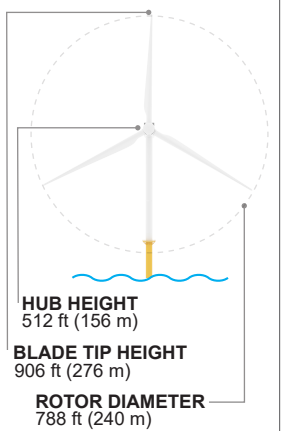
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ALTERNATIVE B-2 VISUALIZATION

VIEW NOTE

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TURBINE DIMENSIONS



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V19. Corson's Inlet State Park

Ocean City, Cape May County



**NORMAL VIEW 2
VISUALIZATION**

V19

**Corson's Inlet
State Park**

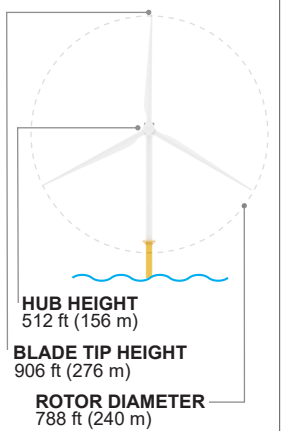
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Cape May County**

**ALTERNATIVE C-1
VISUALIZATION**

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TURBINE DIMENSIONS



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