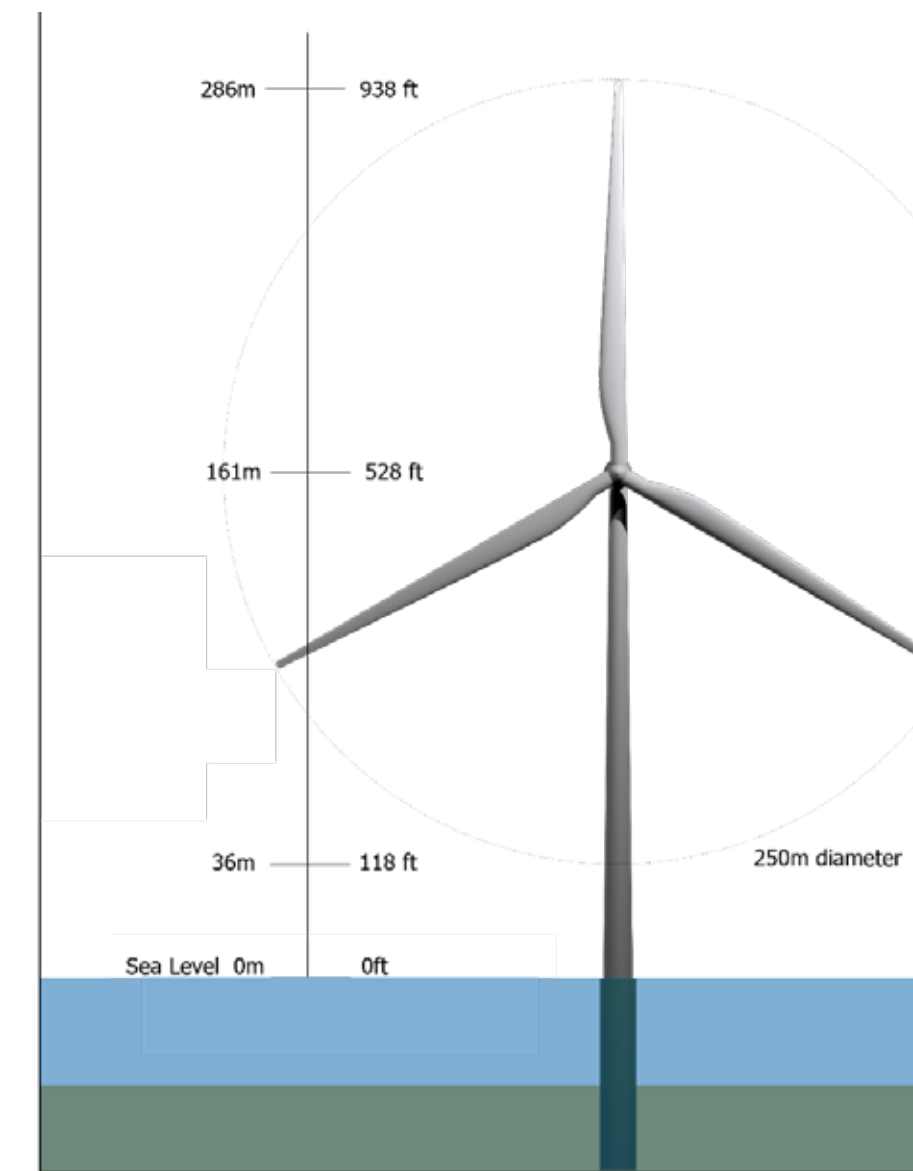


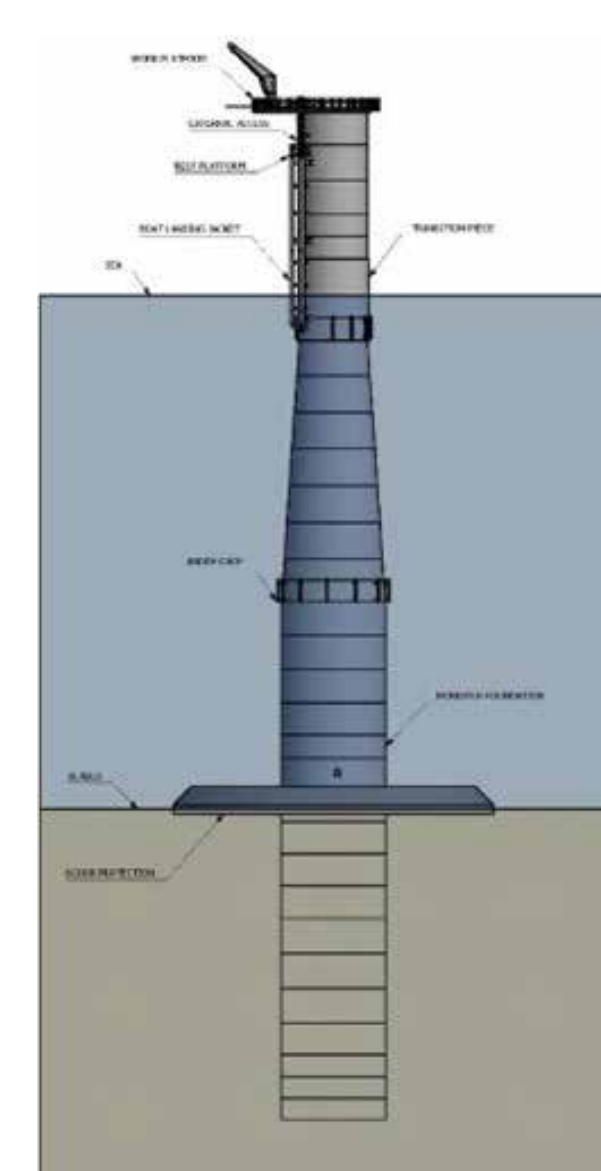
Maryland Offshore Wind Project

Project Design Envelope

A project design envelope (PDE) is a permitting approach that allows a lessee to define a range of design parameters within a Construction and Operations Plan (COP). BOEM then analyzes the maximum impacts that could occur within the range of the design parameters — referred to as the “maximum design scenario.” Representative design parameters for the Maryland Offshore Wind project are outlined below. Refer to US Wind Maryland Offshore Wind’s COP for a detailed explanation of the PDE.



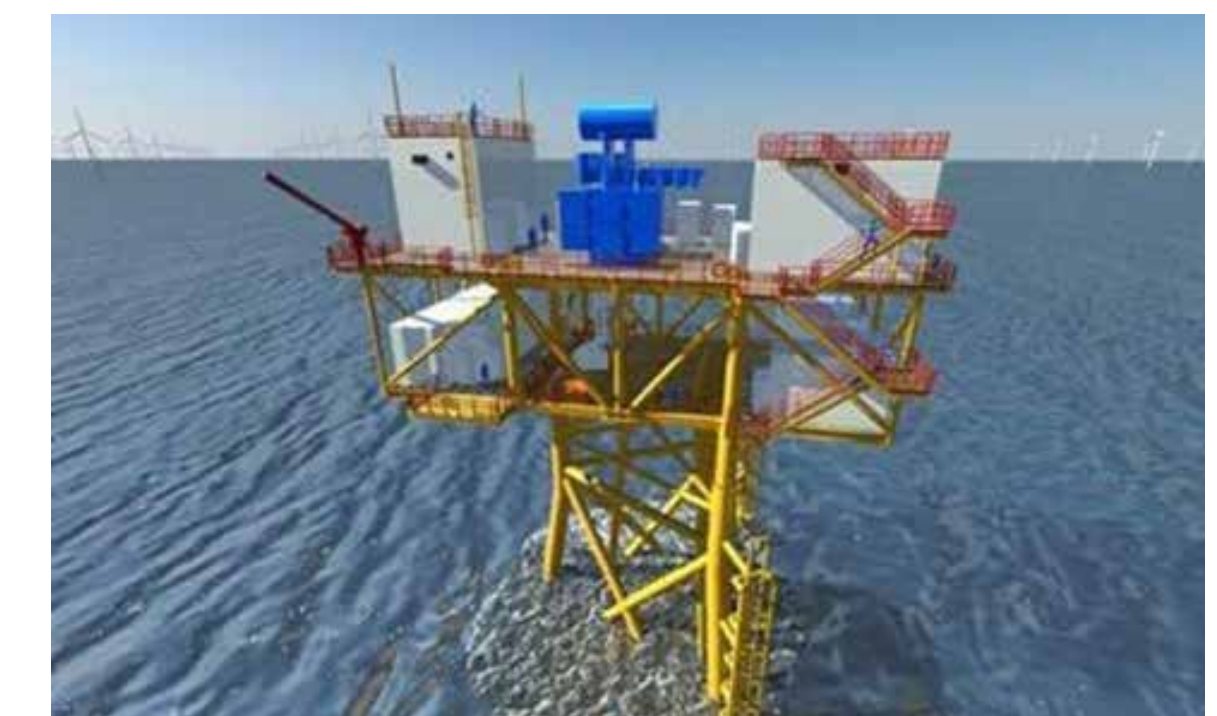
Dimensions for PDE Maximum 18 MW



Monopile Foundations with Transition Pieces



Conceptual OSS atop a Monopile Foundation



OSS on Jacket Foundation (Source: HSM Offshore)

Project Component	Representative Project Design Parameters	Project Component	Representative Project Design Parameters	Project Component	Representative Project Design Parameters
Foundations	<ul style="list-style-type: none"> Monopiles: large diameter coated steel tubes driven into the seabed Installation using hammered pile driving Layers of rock will be used for scour protection around the foundations 	Inter-Array Cables	<ul style="list-style-type: none"> 66 kV Alternating Current (AC), 3-core cable Maximum Length: 152 mi (244.6 km) Target burial depths: approximately 3.3 to 9.8 ft (1 to 3 m), not more than 13.1 ft (4 m). Installed using towed or self-driving jet plow 	Onshore Facilities	<ul style="list-style-type: none"> Landfall cable transitions will be completed via horizontal directional drilling (HDD) Up to four 3-phase 230 to 275 kV Alternating Current (AC) or 12 single-phase Onshore Export Cables Maximum Length of Onshore Export Cable: 96 mi (156 km) Traverses Indian River Bay after landfall and connects to onshore substations next to the POI at Indian River Substation Two possible onshore substations in the vicinity of the existing Indian River Substation to disturb up to 2 acres (0.81 hectares) All onshore cable infrastructure will be buried
Wind Turbine Generators (WTGs)	<ul style="list-style-type: none"> Total WTGs: Up to 121 WTG Size: Up to 18 MW Rotor Diameter: Up to 250 m (~820 ft) Height Tip of Blade: Up to 286 m (~938 ft) 	Offshore Export Cables	<ul style="list-style-type: none"> Up to four 230 to 275 kV Alternating Current (AC), 3-core cable Maximum Length: 126 NM (235 km) Two potential landing locations, both in Delaware Seashore State Park parking lots. Target burial depths: approximately 3.3 to 9.8 ft (1 to 3 m), not more than 13.1 ft (4 m) Installed using towed or self-driving jet plow 		
Offshore Substations (OSSs)	<ul style="list-style-type: none"> Up to four OSSs Foundations will be monopiles, jackets on piles, or jackets on suction buckets 			Operations and Maintenance (O&M) Facility	<ul style="list-style-type: none"> An O&M Facility is proposed in the Ocean City, Maryland region
Meteorological Tower (Met Tower)	<ul style="list-style-type: none"> 100 m mast on a 279 sq. m deck atop a Braced Caisson foundation - includes measurement devices to record winds and waves 				