

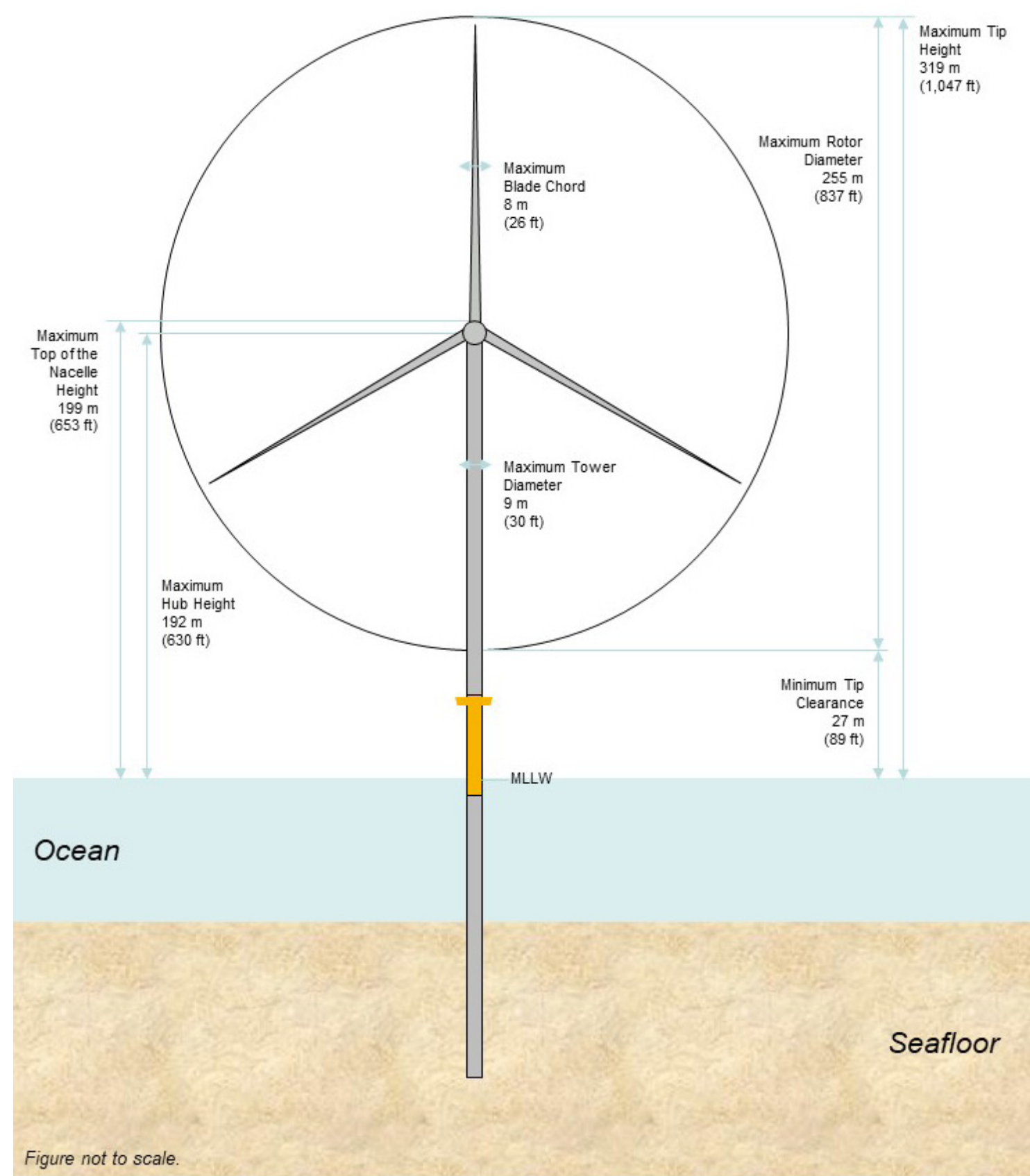


Vineyard Wind South Offshore Wind Project

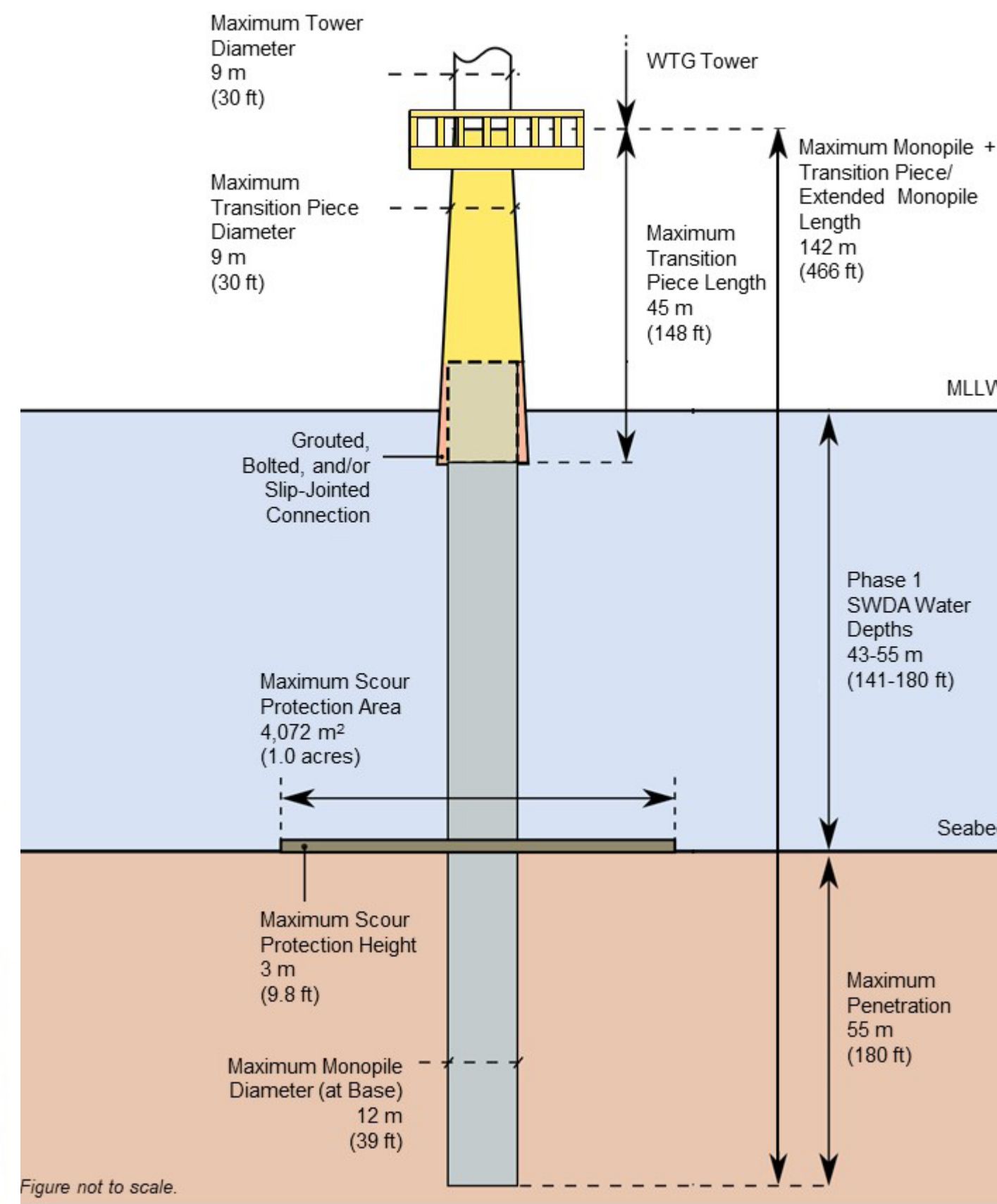
Project Design Envelope - Phase 1

A project design envelope is a permitting approach that allows a lessee to define a range of design parameters within a Construction and Operations Plan. 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 Vineyard Wind Phase 1 project are outlined below. Refer to Vineyard Wind’s Construction and Operations Plan for a detailed explanation of the project design envelope.”



Phase 1 Wind Turbine Generators



Monopile Foundation



Typical Foundation Installation Vessel

| Project Component | Representative Project Design Parameters |
|---|--|
| Wind Turbine Generators (WTG) | <ul style="list-style-type: none"> Up to 62 WTGs with rotor diameter up to 837 feet. Upper blade tip height up to 1,047 feet above MLLW; lowest blade tip height 89 feet above MLLW. |
| Turbine Foundations | <ul style="list-style-type: none"> Monopile or piled jacket foundations with scour protection, if required. Installation with jack-up vessel, anchored vessel, or DP vessel and components possibly supplied by feeder vessels. |
| Electric Service Platforms (ESP)/Offshore Substations | <ul style="list-style-type: none"> Up to two ESPs on monopile or piled jacket foundation. Installation with jack-up vessel, anchored vessel, or DP vessel. Maximum 275 kV inter-link cables with target burial depth of 5 to 8 feet, and options for cable protection |
| Inter-Array Cables | <ul style="list-style-type: none"> Maximum 132 kV inter-array cables with target burial depth of 5 to 8 feet. Cable protection (rock, gabion rock bags, concrete mattresses, half-shell pipes [or similar]) in areas with minimal cable burial. |
| Offshore Export Cables | <ul style="list-style-type: none"> Up to two 275 kV cables with a target burial depth of 5 to 8 ft. Cables installed in one offshore export cable corridor to landfall site in the Town of Barnstable. Cable protection (rock gabion rock bags, concrete mattresses, half-shell pipes [or similar]) in areas with minimal cable burial. |
| Landfalls and Onshore Export Cable System | <ul style="list-style-type: none"> Alternate landfall and onshore cable route options within the Town of Barnstable. Utilization of HDD to transition the export cable from offshore to onshore. |
| Onshore Substations and Interconnector Cable | <ul style="list-style-type: none"> One new onshore substation with associated infrastructure. Underground cable transmission options to connect onshore substations to the existing grid. |

DP = dynamic positioning; HDD = horizontal directional drilling; kV = kilovolt; MLLW = mean lower low water.