

# PIER WIND CONCEPT

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### **KEY GOVERNMENT ACTIONS**



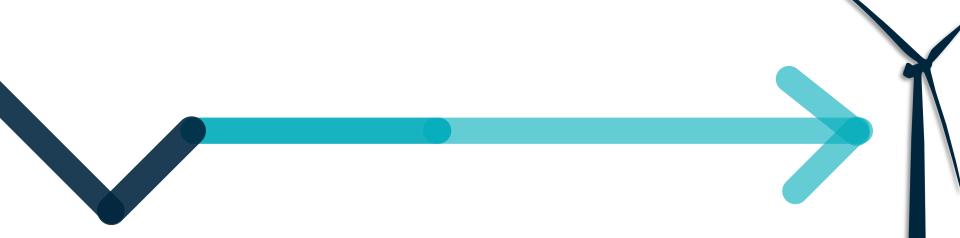


#### **UNITED STATES**

- Jan 2021 Executive Order on Tackling the Climate Crisis
- Mar 2021 30 GW offshore by 2030
- Sep 2022 15 GW **floating** offshore by 2035

#### **CALIFORNIA**

- Sep 2018 SB 100 100 Percent Clean Energy Act
- Sep 2021 AB 525 Strategic Plan for Offshore Wind



### WHOLE OF GOVERNMENT APPROACH







**AB 525** 

Offshore Wind Goals – Aug 2022 Economic Benefit – Dec 31, 2022 Permitting Roadmap – Dec 31, 2022 Strategic Plan – June 30, 2023



### **California Regional**

**Ports Assessment** 

December 2, 2022



### **Alternative**

**Ports** Assessment

Early December 2022





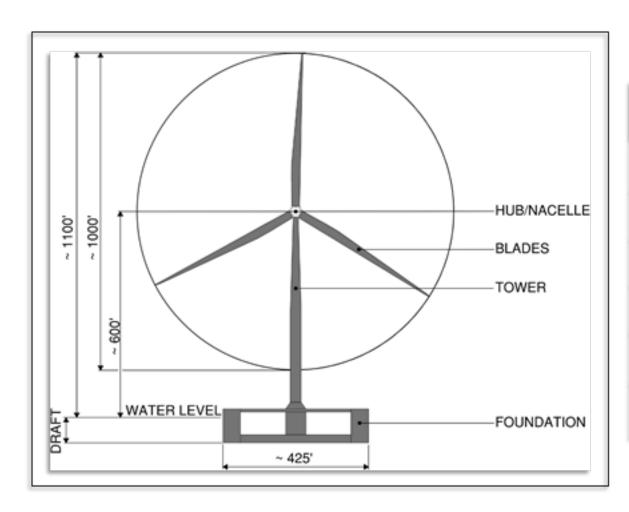
**Ports Strategy Study** 

Summer 2023



## PLANNING FOR FUTURE INNOVATION





FLOATING OFFSHORE WIND TURBINE	APPROXIMATE DIMENSION
Foundation Beam / Width	Up to 425 ft x 425 ft
Foundation Draft (Before Integration)	15 – 25 ft
Foundation Draft (After integration)	20 – 50 ft
Hub/Nacelle Height (from Water Level)	Up to 600 ft
Tip Height (from Water Level)	Up to 1,100 ft
Rotor Diameter	Up to 1,000 ft

Source: BOEM OCS Study 2022-073

**20-25 MW FLOATING OFFSHORE WIND TURBINE SYSTEM DIMENSIONS** 







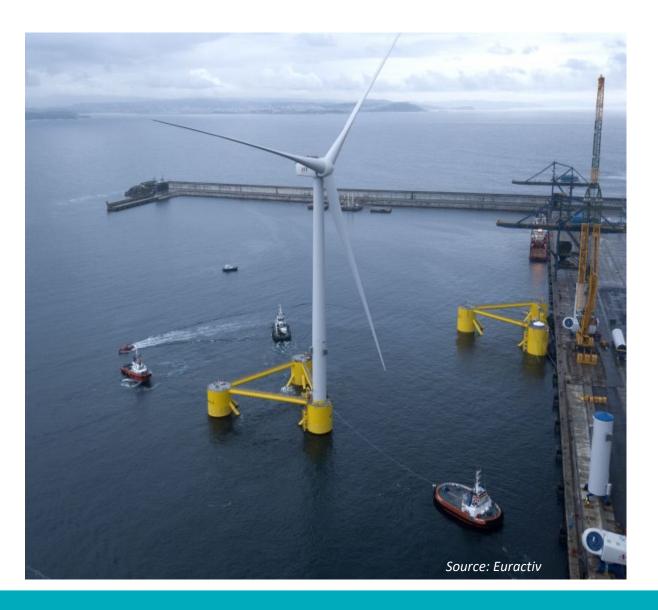


# **FLOATING TURBINE INTEGRATION**







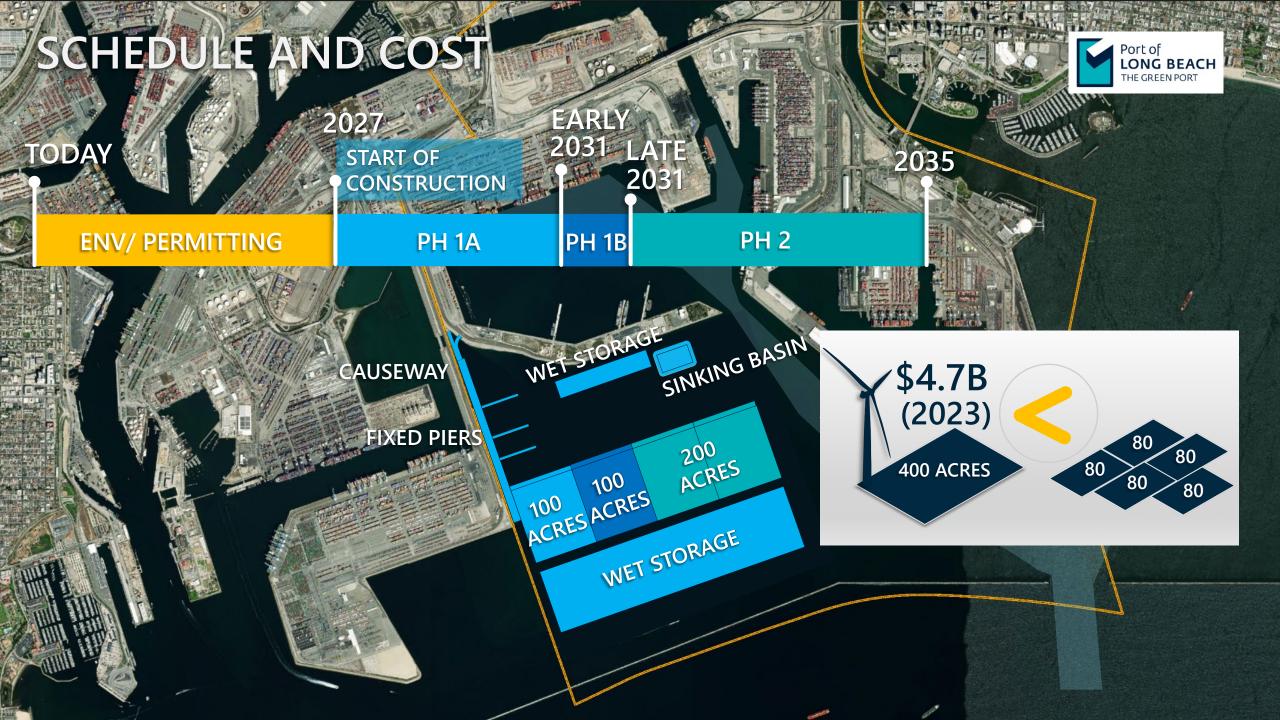












### **ECONOMIC BENEFIT**



**\$39.7** billion total state GDP construction + **\$7.9** billion O&M

(NREL/BOEM 16 GW scenario)

17,500 full-time CA jobs in 2045 using cluster-based strategies

(The American Jobs Project, 18 GW scenario)

AB525: Preliminary Assessment of Economic Benefits of Offshore Wind





