Offshore Wind Energy

Development Update

Port of San Francisco

May 18, 2023

What is Offshore Wind Energy?

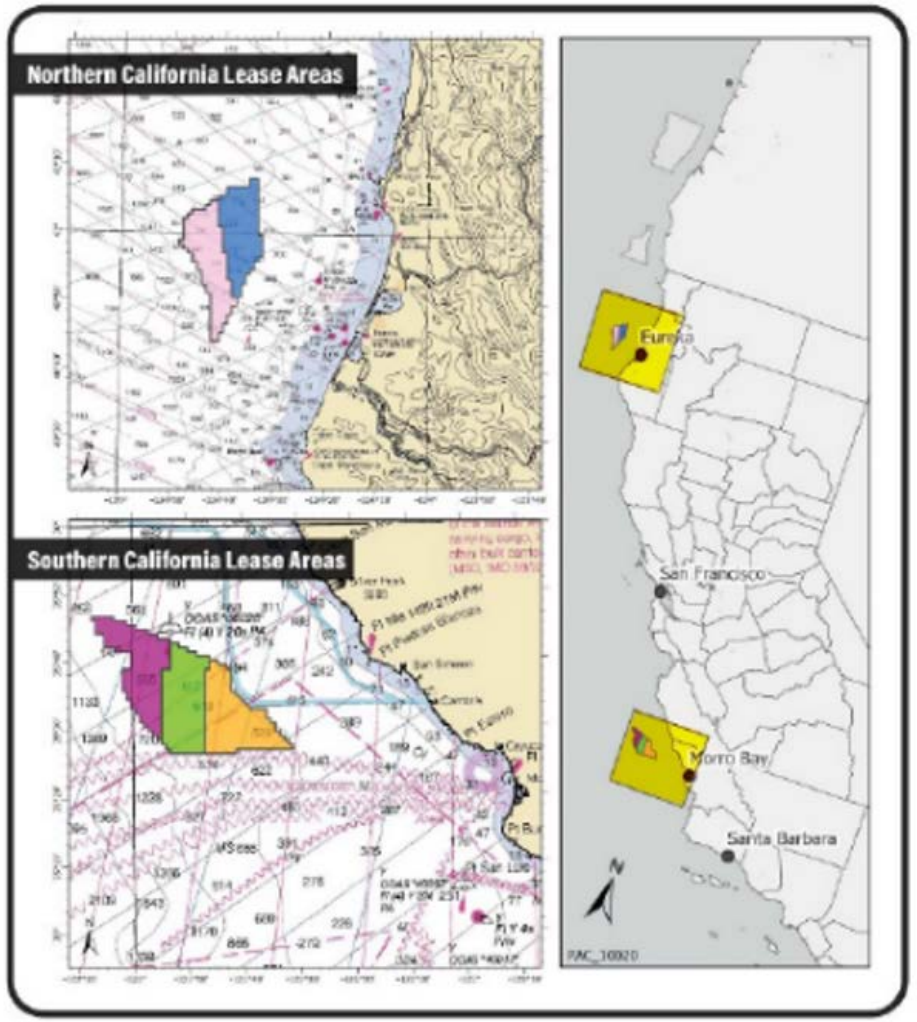
- Proven source of clean energy
- Offshore winds tend to be strong, fast, and uniform
- Several OSW projects in development on the East Coast
- 50,500 MW installed globally
- 123 MW of which is from floating turbines

Assembly Bill AB 525

- September 2021 – signed into law by Governor Newsom
- Sponsored by former Assemblymember David Chiu (Current SF City Attorney)
- The law requires CEC to develop strategic plan for installing OSW floating turbines off CA Coast in federal waters
- CEC leads coordination of plan with federal, state, and local agencies and stakeholders
- CEC is required to submit strategic plan to State Legislature by June 30, 2023

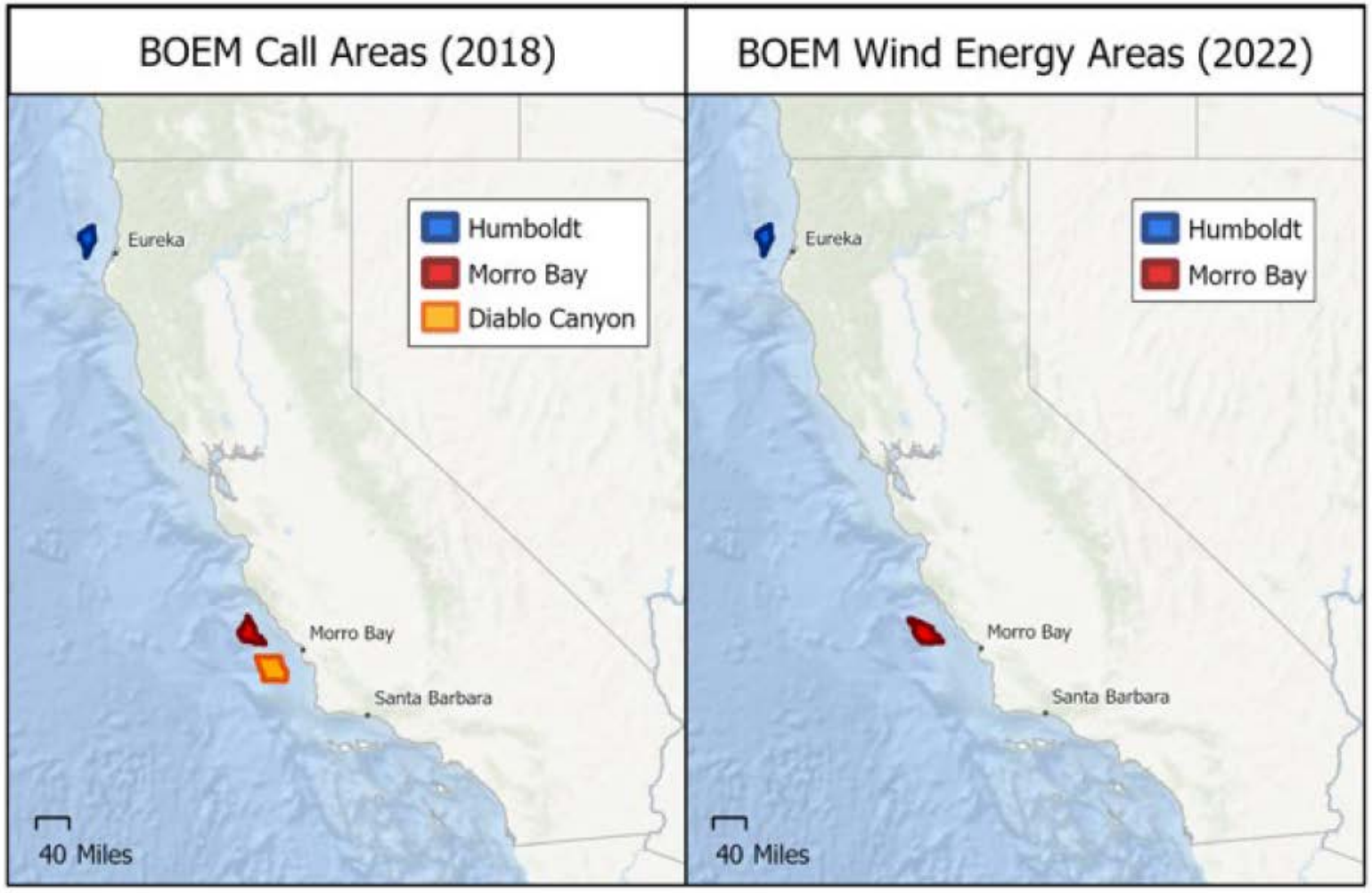
CEC OSW Strategic Plan

- Assess sea space sufficient to meet OSW goals: 2030 (2-5 GW) and 2045 (25 GW)
- Support economic and workforce development
- Improve waterfront facilities to support OSW
- Transmission planning and assessment with PUC and
  Independent System Operator
- Identify potential impacts on coastal resources, fisheries, Native American and Indigenous peoples, and national defense, and strategies for addressing the impacts



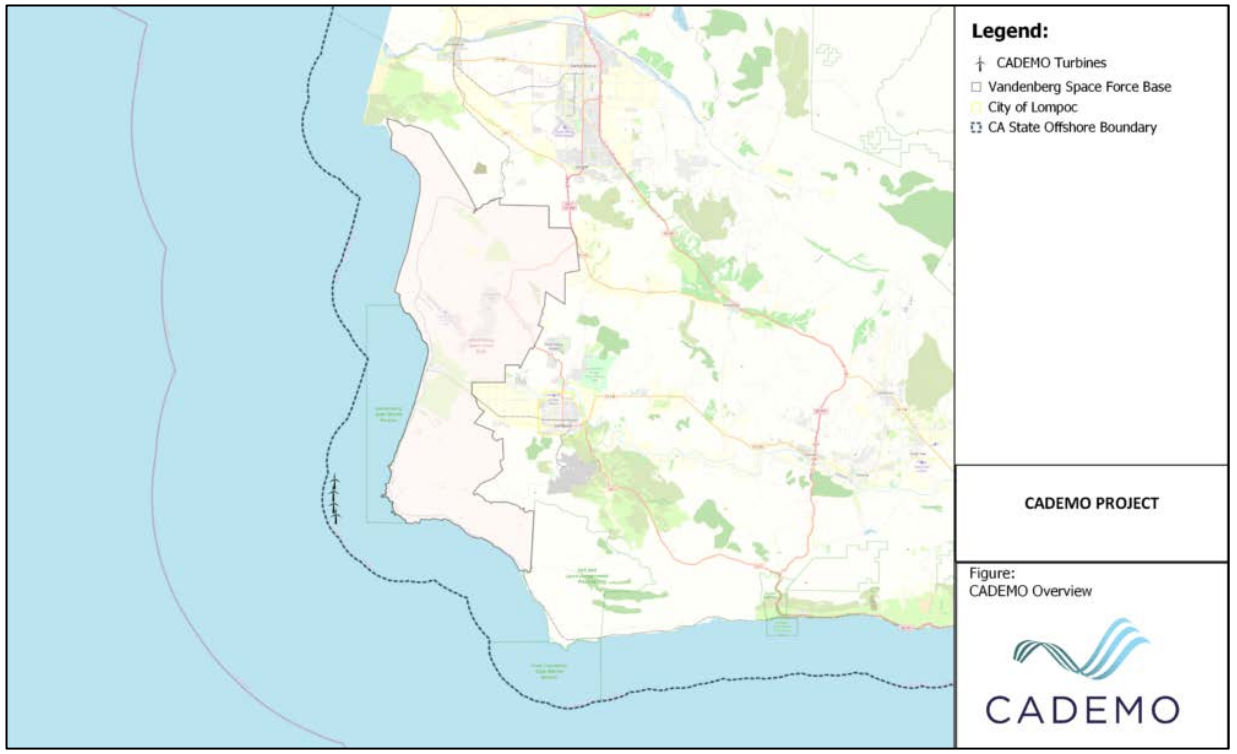
West Coast OSW Call Areas

- Dec. 2022, BOEM held first CA lease sale in call areas
- Five winning bidders for five lease areas totaling $757.1 Million
- Leased areas have potential to produce 4.6 GW of OSW energy, enough to power more than 1.5 million homes



California Demonstration (CADEMO)

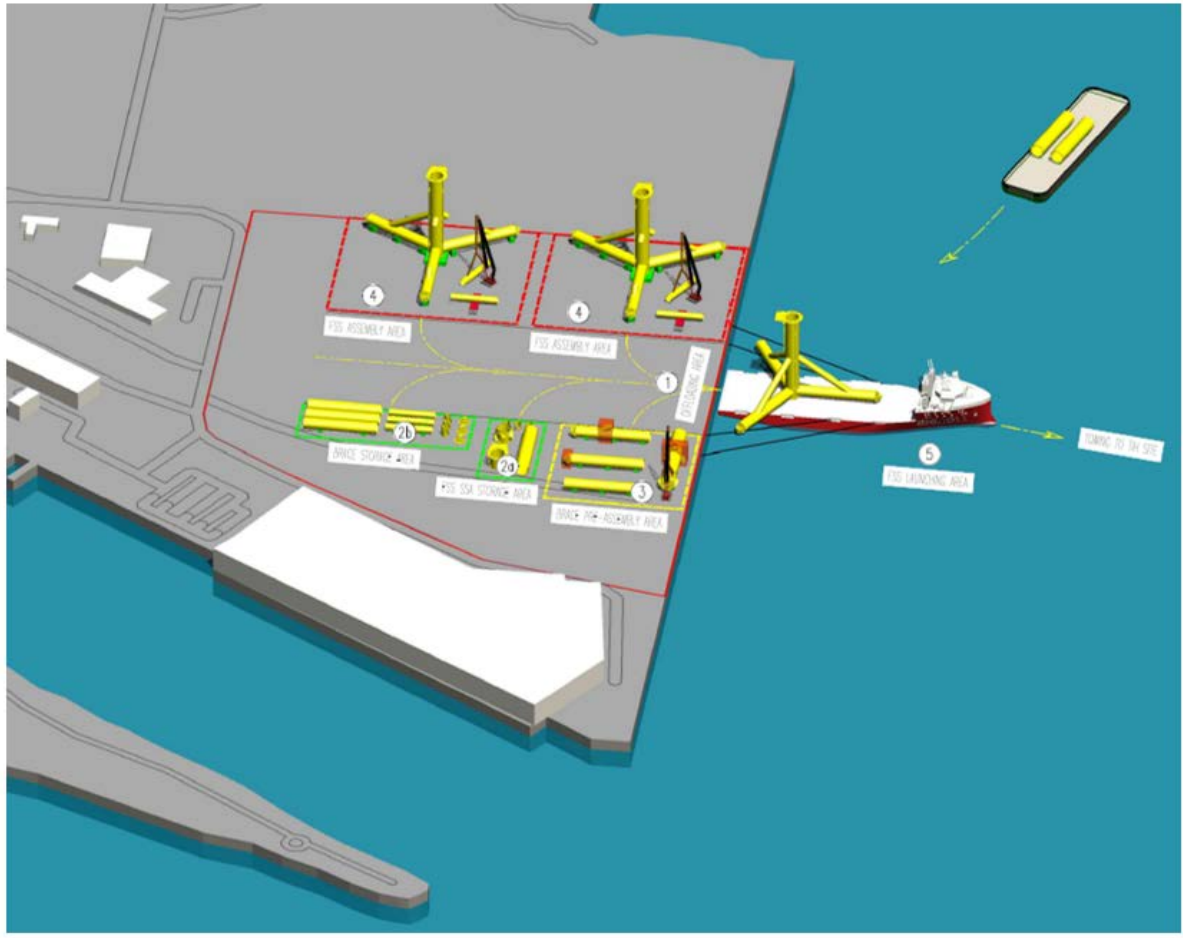
- 60 MW demonstration project
- Kickstarting OSW with deployment of four wind turbines
- Source of information and lessons learned to benefit larger developments.
- State Lands Commission staff are in the early stages of the EIR process



CADEMO included Port SF as a potential location for fabrication of floating wind turbine "foundations" in its notice of preparation of an Environmental Impact Report (EIR)

Advantages of Pier 96 and Backlands

- 25 acres of available wharf space
- 12 acres of backlands space
- Water depths 40’ plus, no dredging needed
- Two adjacent, large-capacity concrete production facilities: CEMEX and Central
- Availability of diverse, skilled union workforce in Bay Area
- Transportation options & regional industries enable high in-state content for supply chain



OSW Support Piers

- Near Piers 94- 96
- Rail access

Potential Uses:

- Offloading of OSW components from vessels
- Indoor and outdoor storage of components

- Additional berth availability
- Development opportunity for workforce training

Potential Uses:

- Administrative offices
- Component fabrication and assembly

Next Steps

- Port Engineering has engaged a consultant to prepare the basis of design for improvements to pier infrastructure
- Port's Maritime and Legislative Affairs staff have and will continue to engage with a range of OSW stakeholders
- Staff proposes to continue down the path as described herein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Questions?