

DOCKETED

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California Offshore Wind Data Collection and Data Basin Gateway

Presentation for Science and Data Webinar - Public Meeting #2

June 21, 2017

BOEM California Intergovernmental Renewable Energy Task Force

- Governor Brown requested the Department of Interior establish a Task Force on May 12, 2016
- Members of state, local, and tribal governments and Federal agencies participate
- Forum to discuss stakeholder issues, exchange data and information
- To engage *“in further dialogue on the potential of offshore renewable energy and the planning, permitting, and coordination issues associated with this technology.”* (Commissioner Douglas)

Offshore Renewable Energy Leasing Process

Planning and Analysis



Leasing



Site Assessment



Construction and Operations



-  Intergovernmental Task Force
-  Call for Information & Nominations (Call)
- Area Identification
-  Environmental reviews

- Publish lease sale notices
-  » Proposed
- » Final
- Issue lease(s)

- Site Characterization
- Site Assessment Plan (SAP) developed by Lessee

-  Construction and Operations Plan (COP) reviewed under NEPA
- Facility Design Report & Fabrication and Installation Report
- Decommissioning

Multi-Year Process 

LEGEND:  Public Input Opportunity

Current Engagement Effort

February – June 2017



■ Purposes

- Inform stakeholders about goals and activities of the Task Force
- Inform stakeholders about offshore wind planning effort
- Involve stakeholders in data gathering to inform offshore wind energy planning
- Solicit stakeholder feedback more broadly about offshore wind energy development off California
- Use data/information gathered to inform Task Force recommendations about potential offshore wind energy locations off CA

■ Stakeholders

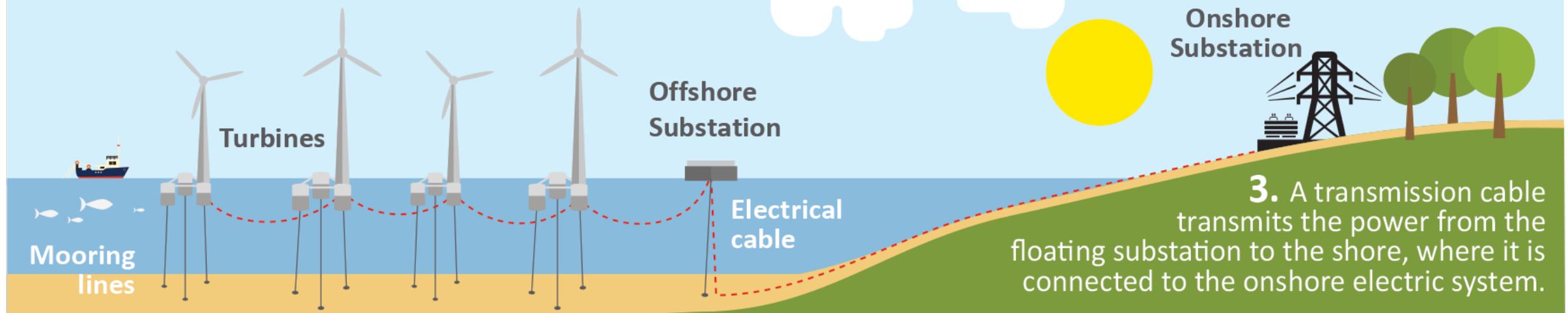
- Statewide outreach to spatial data providers
- Coast-wide outreach to fishing industry
- Emphasis on outreach to coastal communities (including NGOs, elected officials) in the central coast

About Floating Offshore Wind

How Offshore Floating Wind Farms Work

1. Floating wind turbines are configured in an array to optimize the capture of wind energy.

2. Energy captured by the turbines is conveyed through a transmission line to a floating substation.



Core Data Group:



PURPOSE

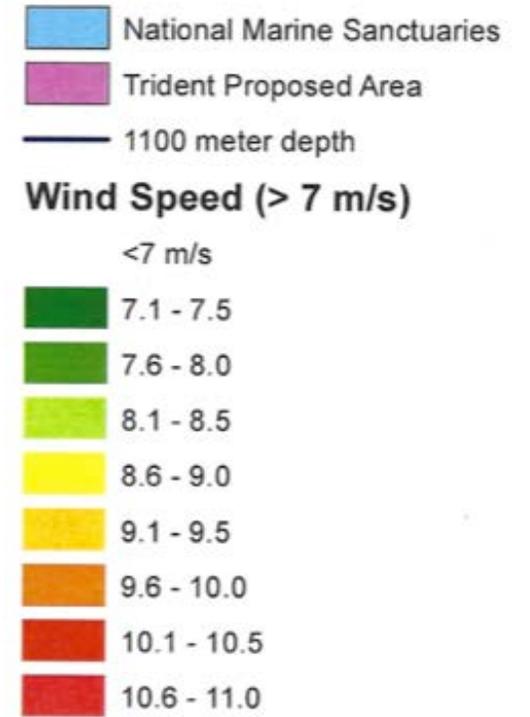
- Members provide input on a number of key data topics: datasets will be used by the Agencies to help identify and screen potential wind development call areas.
- Agency members are providing relevant data.
- Other members are invited identify relevant datasets and to share their data.

Core Data Group:



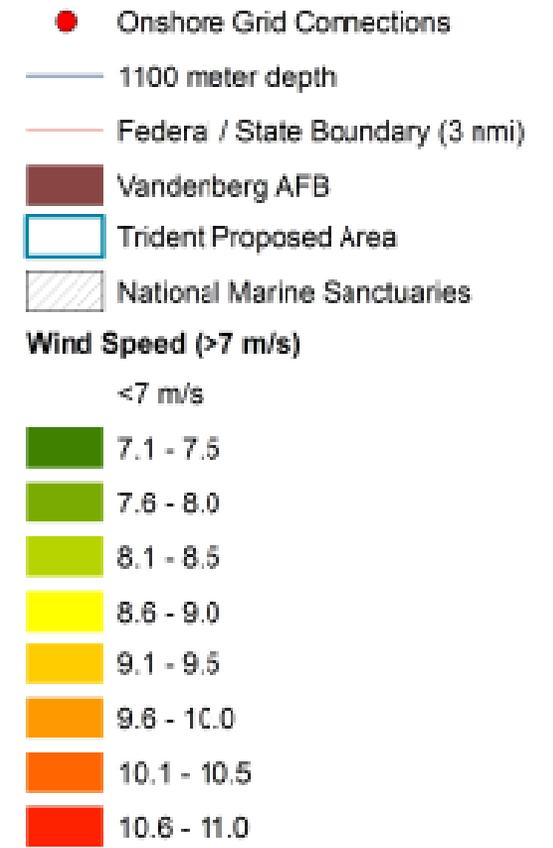
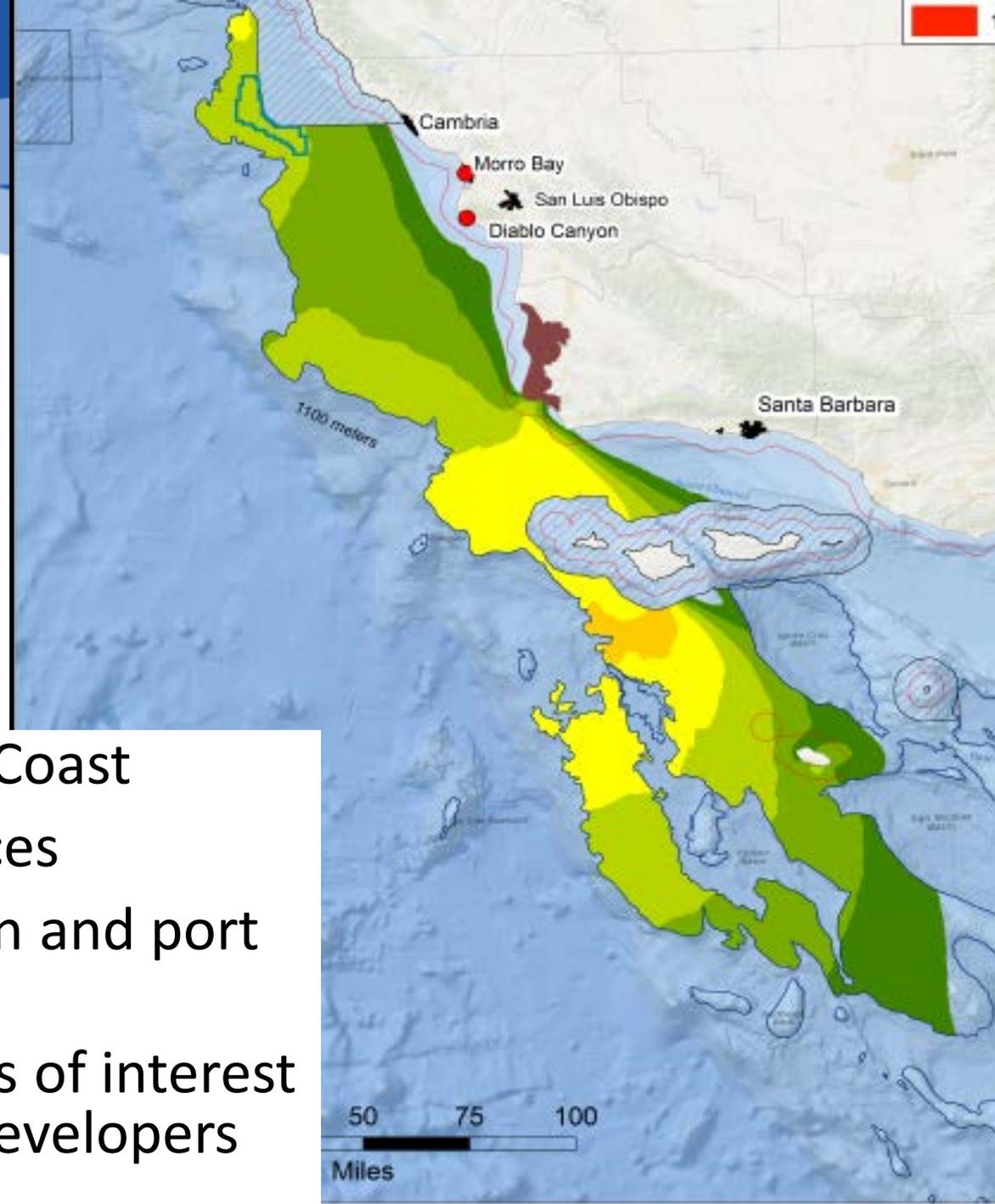
KEY DATA QUESTIONS

- For each topic, do we have the most relevant data and up-to-date versions? If not, where can we obtain it?
- Would you consider this (or these) datasets complete and scientifically appropriate for the screening exercise?
- How would you recommend they be used in performing the screening exercise?
- Is this data useful by itself, or is it best combined with other datasets to make it more useful?



CA Offshore Wind Resources

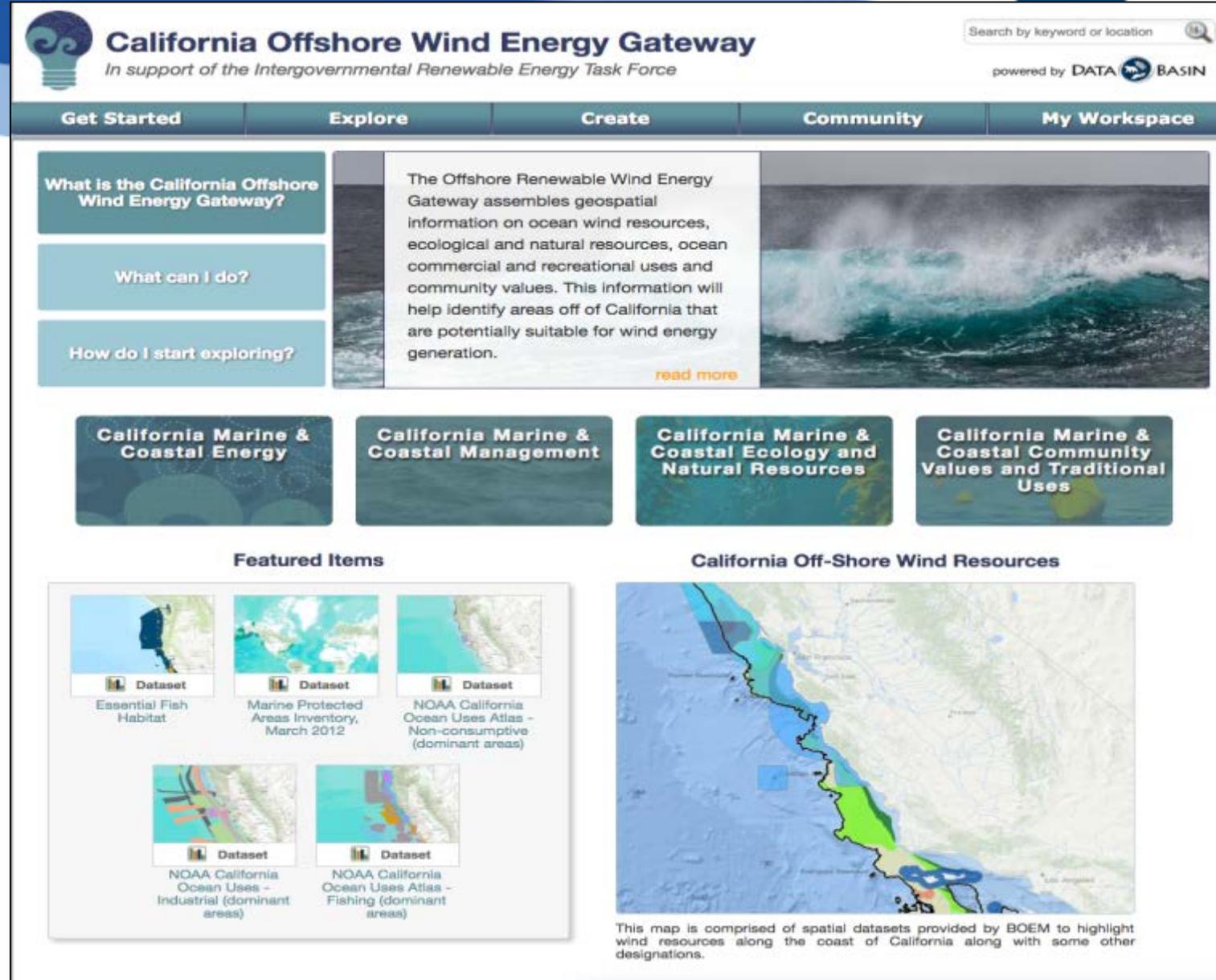
- Strong wind resources along the majority of California Coastline
- Designated Marine Sanctuaries separate wind Resource areas



- ### Focus on the Central Coast
- Strong wind resources
 - Existing transmission and port infrastructure
 - Multiple expressions of interest from wind energy developers

About Data Basin

- **Web-based data gateway**
 - Map geospatial data
 - Converse in working groups with data and maps
 - Add your own datasets
- **Assemble geospatial information on ocean:**
 - physical setting
 - energy resources
 - ecological and natural resources
 - commercial and recreational uses and
 - community values
- **Use data and information to:**
 - Help identify potential offshore wind lease areas
 - Communicate relevant data to the public and to the Interagency Task Force



The screenshot shows the homepage of the California Offshore Wind Energy Gateway. At the top, there is a navigation bar with tabs for "Get Started", "Explore", "Create", "Community", and "My Workspace". A search bar is located in the top right corner, and a "powered by DATA BASIN" logo is in the bottom right. The main content area features a large introductory section with a title "What is the California Offshore Wind Energy Gateway?", a sub-section "What can I do?", and a "How do I start exploring?" link. A text block explains that the gateway assembles geospatial information on ocean wind resources, ecological and natural resources, ocean commercial and recreational uses, and community values. To the right of this text is a large image of ocean waves. Below the introductory section are four category tiles: "California Marine & Coastal Energy", "California Marine & Coastal Management", "California Marine & Coastal Ecology and Natural Resources", and "California Marine & Coastal Community Values and Traditional Uses". The "Featured Items" section displays five dataset thumbnails: "Essential Fish Habitat", "Marine Protected Areas Inventory, March 2012", "NOAA California Ocean Uses Atlas - Non-consumptive (dominant areas)", "NOAA California Ocean Uses - Industrial (dominant areas)", and "NOAA California Ocean Uses Atlas - Fishing (dominant areas)". The "California Off-Shore Wind Resources" section features a large map of the California coast with various colored overlays representing wind resources and other designations. A caption below the map states: "This map is comprised of spatial datasets provided by BOEM to highlight wind resources along the coast of California along with some other designations."

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California Offshore Wind Energy Data Basin Gateway:

www.caoffshorewind.databasin.org/

BOEM California State Activities

Website:

www.boem.gov/california

California Energy Commission

Offshore Renewable Energy Website:

<http://www.energy.ca.gov/renewables/offshoreenergy/>