## DOCKETED

| Docket Number: | 18-IEPR-02 |
| ---: | :--- |
| Project Title: | California's Energy Policy Leadership |
| TN \#: | 223275 |
| Document Title: | Presentation - Data and Early Planning for Offshore Wind Energy |
| Description: | By Scott Flint - April 20, 2018 IEPR Workshop |
| Filer: | Denise Costa |
| Organization: | California Energy Commission |
| Submitter Role: | Commission Staff |
| Submission Date: | $4 / 24 / 2018$ 3:29:32 PM |
| Docketed Date: | $4 / 24 / 2018$ |

# Data and Early Planning for Offshore Wind Energy 

Scott Flint<br>California Energy Commission<br>IEPR Workshop

Eureka, California
April 20, 2017

What is the California Offshore Wind Energy Gateway?

How do I start exploring?

The Offshore Renewable Wind Energy Gateway assembles geospatial information on ocean wind resources, ecological and natural resources, ocean commercial and recreational uses and community values. This information will help identify areas off of California that are potentially suitable for wind energy generation.
read mor

California Marine \&
Coastal Energy

## California Marine \& Coastal Management

California Marine \& Goastal Ecology and Natural Resources

California Marine Fishing and Traditional Uses

Featured Items


California
Commercial
Fishing Recent
History


Central California entral California Zones


California Off-Shore Wind Resources


This map is comprised of spatial datasets provided by BOEM to highlight wind resources along the coast of California along with highight other designations.

## Data and Science

## 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.


## Data and Science

## 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?



- 0-200
$\square$ 200-500
$\square 500-700$
$\square 700-1100$
$\boxplus \square$ Grid_Connect_Buf_20_40_60_80_100_120nmi_1100m
$\boxplus \square$ Weighted Ranking
$\boxplus \square$ Wind Speed 2017 - Wind Areas

Distance to Transmission





## Many Resource Values

## and Uses

－Total Landing by Block and Year（Sum Value km2） SUM＿LandingBlockAllVear＿Value＿2016＿Per＿KM
$\$ 1.525$
$\$ 26$ ． 5100
$\square 5101$－ 5500
［ 5501 －$\$ 1,000$
\＄1，001－\＄15，000
－$\$ 15,001$－ 570,000
© Important Biological Areas－Cetateans
Gray whale，Feeding
Gray whale，Reproduction
－Humpback whale，Feeding
－Humpback whale，Reproduction
＠Weighted Ranking
－Weighted＿Ranking＿Exclusions＿3
Sum＿Weight
－1．2－3．5
12.5
$=5.0$
－ 5.5
－ 6.0
－ 6.1 － 6.5
－6．5－7．8
日 AlS＿All＿Ships＿2011＿by＿Type＿CA
All＿2011
－10－50
－ 51 － 100
－ 101 － 200
－ 201 －300
$=301$－ 500
－ 501 － 1000
－1001－14900
－CA＿National＿Marine＿Sanctuaries
Wind Speed to 1100 m
Wind＿Speed
$=4 \mathrm{~m} / \mathrm{s}$
－ $7.1 \cdot 7.5$
둔…8．8．0

－ 8.6 －9．0
－ $9.1 \cdot 9.5$
$\begin{array}{r}\text {－} \\ \text { 9．6－} \\ \text {－} 10.0 \\ \hline\end{array}$
＝ $10.1-10.5$
－10．6－11．0



# Contact Information 

Scott Flint<br>California Energy Commission Scott.Flint@energy.ca.gov

California Offshore Wind Energy Gateway
https://caoffshorewind.databasin.org

