

**DOCKETED**

<b>Docket Number:</b>	19-ERDD-01
<b>Project Title:</b>	Research Idea Exchange
<b>TN #:</b>	232335
<b>Document Title:</b>	Staff Workshop, Research and Development Opportunities for Floating Offshore Wind Energy in California
<b>Description:</b>	CEC staff presentation and questions for public comments. Public comments will be received by the Energy Commission through March 20,2020.
<b>Filer:</b>	Silvia Palma-Rojas
<b>Organization:</b>	California Energy Commission
<b>Submitter Role:</b>	Energy Commission
<b>Submission Date:</b>	3/6/2020 4:25:05 PM
<b>Docketed Date:</b>	3/6/2020



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# R&D Opportunities for Offshore Wind Energy in California

Energy Research and Development Division

Silvia Palma-Rojas, PhD

March 4, 2020



# Housekeeping

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Sign-in sheet / Business card sheet

Facilities

In case of emergency

Muting of WebEx

[Workshop Documents can be found at this hyperlink](#)



# Workshop Objective

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California Energy Commission staff is facilitating this workshop to present the results of the study "Research and Development Opportunities for Offshore Wind Energy in California" and to solicit public comments on the R&D recommendations identified by Navigant team through all activities conducted in this study.

**Comments from this workshop will help refine the R&D recommendations and research database.**



# Study Objective

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Supports the process of identifying R&D opportunities to remove or reduce technological, manufacturing, logistics, and supply chain barriers to deployment and lower development risk of offshore energy projects in California, and to identify early pilot demonstration opportunities.

**This study will serve as support to the development of research efforts on potential OSW funding initiatives under our Electric Program Investment Charge (EPIC) program.**



# CEC Administered EPIC Funding

## Applied Research and Development

Applied Research and Development includes activities to support pre-commercial technologies and approaches at applied lab-level or pilot-level stages.

## Technology Demonstration and Deployment

Technology Demonstration and Deployment involves installation and operation of pre-commercial technologies or strategies at a scale that will reflect actual operating, performance, and financial characteristics and risks.

## Market Facilitation

Market Facilitation focuses on a range of activities, such as commercialization assistance, local government regulatory assistance and streamlining, market analysis, and program evaluation to support deployment and expand access to clean energy technology and strategies.



# Connect With Us

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# CATALYZING THE CLEANTECH COMMUNITY

JOIN NOW →

A banner for Empower Innovation with a background of wind turbines. The text "EMPOWER INNOVATION" is in the top left, followed by navigation links: "COMMUNITY EVENTS FUNDING RESOURCES ABOUT". The main headline reads "CATALYZING THE CLEANTECH COMMUNITY" in large white letters, with a vertical orange bar to the left of "THE CLEANTECH". At the bottom left, it says "JOIN NOW →".

CALIFORNIA  
ENERGY COMMISSION

California Energy  
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A screenshot of the California Energy Commission's Facebook profile. The cover photo shows wind turbines on a hill. The profile picture is the state logo. The name is "California Energy Commission" and the category is "Government Organization". Interaction buttons for "Liked", "Following", and "Message" are visible. The navigation menu includes "Timeline", "About", "Photos", "Reviews", and "More".



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**Empower Innovation** aims to accelerate your clean tech journey with easy access to funding opportunities from the Energy Commission and others, resources and events, and connections to people and organizations.

[www.empowerinnovation.net](http://www.empowerinnovation.net)



# Draft Report

[Click here](#) to download the Draft report to review it and submit your written comments.

**Written comments will be received by the Energy Commission through March 20, 2020.**



CALIFORNIA  
ENERGY COMMISSION



CALIFORNIA  
natural  
resources  
AGENCY

California Energy Commission

**CONSULTANT REPORT**

**Research and  
Development  
Opportunities for Offshore  
Wind Energy in California  
– DRAFT REPORT**

Prepared for: **California Energy Commission**  
Prepared by: **Navigant, a Guidehouse Company**

Gavin Newsom, Governor

March 2020 | CEC-XXX-XXXX-XXX



# Submitting Comments

## Add Comment

Docket #: 19-ERDD-01 Project Title: Research Idea Exchange

Fields denoted by an asterisk (\*) are required.

Please go to CEC electronic commenting system

[Click here](#)

### Contact Information

Full Name \* Business or Entity Name or Your Name (if filing for yourself)

Contact Address

Email Address \*

Address 2

Role in this Proceeding

City

State

Zip

### Comment

Comment Title \*

Subject(s) [select one or more](#)

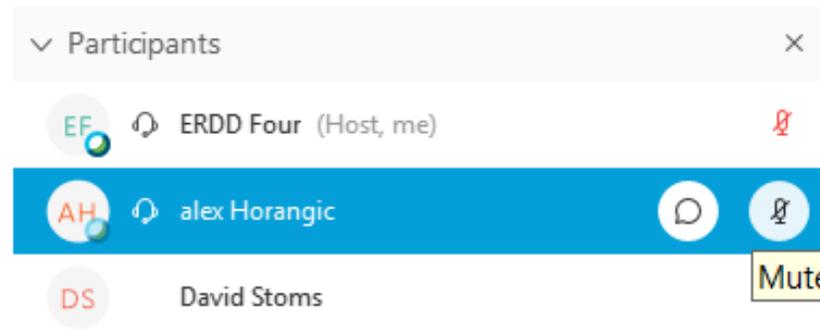
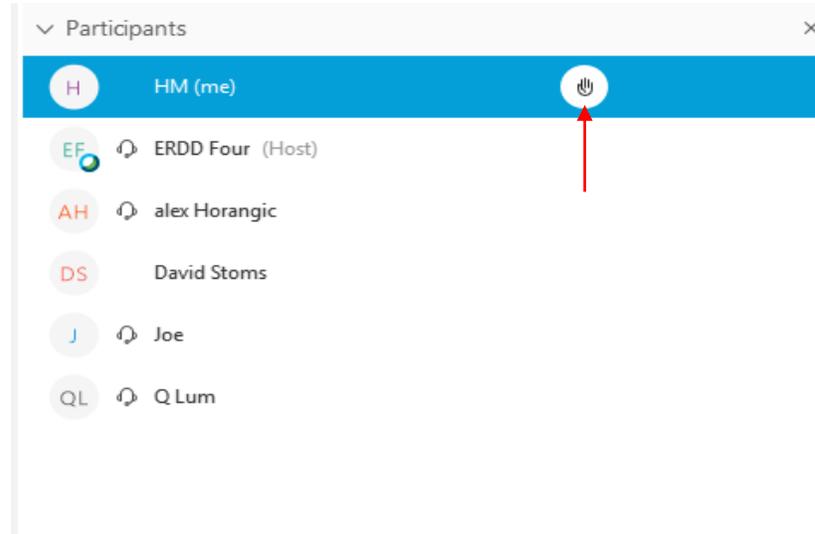
128 Character left out of 128

Comment Text [not required if you include a document attachment](#)

**Written comments will be received by the Energy Commission through March 20, 2020.**



# WebEx Participants – Q&A Session





# Questions

Do the identified **barriers** accurately capture primary the obstacles to California offshore wind deployment?

Do the identified **recommendations** capture high priority research, development, and deployment (RD&D) opportunities specific to the California market?

What **innovative technical solutions** can facilitate the increased cost-competitiveness of offshore wind projects in CA?

How can energy **RD&D funds** support the demonstration and validation of floating platforms in California?

Are there additional research initiatives for inclusion in the **Research Database**? How often and how should the OSW research database be updated?



# Conclusion

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[Click here to download the Draft Study](#)

[Click here to go to CEC electronic commenting system](#)

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received by the Energy  
Commission through March  
20, 2020.**