



**CALIFORNIA  
ENERGY COMMISSION**



**California Energy Commission  
October 08, 2025 Business Meeting  
Backup Materials for City of Long Beach Harbor Department**

The following backup materials for the above-referenced agenda item are available in this PDF packet as listed below:

1. Proposed Resolution
2. Grant Request Form
3. Scope of Work

**[PROPOSED]**

**RESOLUTION NO: 25-1008-XX**

**STATE OF CALIFORNIA**

**STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION**

**RESOLUTION: City of Long Beach Harbor Department**

**RESOLVED**, that the State Energy Resources Conservation and Development Commission (CEC) adopts the staff CEQA findings contained in the Agreement or Amendment Request Form (as applicable); and

**RESOLVED**, that the CEC approves agreement OSW-25-001 with City of Long Beach Harbor Department, also known as the Port of Long Beach, for a \$20,000,000 grant. This project will support planning and design of Pier Wind, a 400-acre offshore wind terminal at the Port of Long Beach. The project will enable planning, engineering, environmental assessments, and community engagement activities for Pier Wind; and

**FURTHER BE IT RESOLVED**, that the Executive Director or their designee shall execute the same on behalf of the CEC.

**CERTIFICATION**

The undersigned Secretariat to the CEC does hereby certify that the foregoing is a full, true, and correct copy of a resolution duly and regularly adopted at a meeting of the CEC held on October 08, 2025.

AYE:

NAY:

ABSENT:

ABSTAIN:

Dated:

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Kim Todd  
Secretariat



## GRANT REQUEST FORM (GRF)

### A. New Agreement Number

**IMPORTANT:** New Agreement # to be completed by Contracts, Grants, and Loans Office.

**New Agreement Number:** OSW-25-001

### B. Division Information

1. Division Name: Siting, Transmission, and Environmental Division
2. Agreement Manager: Reid Boggiano
3. MS-:N/A
4. Phone Number: 279-226-1139

### C. Recipient's Information

1. Recipient's Legal Name: City of Long Beach Harbor Department
2. Federal ID Number: 95-6000733

### D. Title of Project

Title of project: Port Offshore Wind Equity and Readiness (POWER)

### E. Term and Amount

1. Start Date: 10/09/2025
2. End Date: 03/31/2030
3. Amount: \$20,000,000

### F. Business Meeting Information

1. Are the ARFVTP agreements \$75K and under delegated to Executive Director? No
2. The Proposed Business Meeting Date: 10-08-2025
3. Consent or Discussion? Discussion
4. Business Meeting Presenter Name: Reid Boggiano
5. Time Needed for Business Meeting: 5 minutes.
6. The email subscription topic is: Offshore Wind Renewable Energy

#### **Agenda Item Subject and Description:**

CITY OF LONG BEACH HARBOR DEPARTMENT. Proposed resolution approving agreement OSW-25-001 with City of Long Beach Harbor Department, also known as the Port of Long Beach, for a \$20,000,000 grant, and adopting staff's recommendation that this action is exempt from CEQA. This project will support planning and design of Pier Wind, a 400-acre offshore wind terminal at the Port of Long Beach. The project will enable planning, engineering, environmental assessments, and community engagement activities for Pier Wind. (Safe Drinking Water, Wildfire Prevention, Drought Preparedness, and Clean Air Fund)  
Contact: Reid Boggiano

### G. California Environmental Quality Act (CEQA) Compliance

#### **1. Is Agreement considered a "Project" under CEQA?**

Yes

If yes, skip to question 2.

If no, complete the following (PRC 21065 and 14 CCR 15378) and explain why Agreement is not considered a "Project":



Agreement will not cause direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment because: If Agreement is considered a "Project" under CEQA skip to question 2. Otherwise, provide explanation.

**2. If Agreement is considered a "Project" under CEQA answer the following questions.**

a) Agreement **IS** exempt?

Yes

Statutory Exemption?

No

If yes, list PRC and/or CCR section number(s) and separate each with a comma. If no, enter "None" and go to the next question.

PRC section number: None

CCR section number: Cal. Code Regs., tit. 14, §15262

Categorical Exemption?

Yes

If yes, list CCR section number(s) and separate each with a comma. If no, enter "None" and go to the next question.

CCR section number: Cal. Code Regs., tit. 14, §15306

Common Sense Exemption? 14 CCR 15061 (b) (3)

No

If yes, explain reason why Agreement is exempt under the above section. If no, enter "Not applicable" and go to the next section.

Not Applicable

Cal. Code Regs., tit. 14, sect. 15306 provides that basic data collection, research, experimental management, and resource evaluation activities which do not result in a serious or major disturbance to an environmental resource are categorically exempt from the provisions of California Environmental Quality Act (CEQA). This project consists of a comprehensive pre-development planning and permitting effort related to offshore wind infrastructure at the Port of Long Beach. No construction or physical improvements are proposed as part of this effort. The proposed project will primarily involve planning activities such as information gathering, analysis, writing feasibility studies, and site assessments including a limited number of drilling. Other grant activities include capacity building and engagement with local communities, tribal communities and other stakeholders. The grant will also fund advanced engineering and design studies. The studies are leading to an action that has not yet been approved, adopted or funded. For these reasons, the proposed project will have no significant effect on the environment and is categorically exempt under section 15306.

In addition, Cal. Code Regs., tit. 14, sect. 15262 provides that a project involving feasibility or planning studies for possible future actions which the agency, board, or commission has not approved, adopted, or funded does not require the preparation of an EIR or Negative Declaration but does require consideration of environmental factors. Here, the proposed project involves feasibility and planning studies to



support the future design and development of the Pier Wind Terminal Project at the Port of Long Beach. The agreement will also fund stakeholder engagement and planning, advanced engineering and design studies and environmental studies for mitigation planning. Therefore, the project is exempt from Cal. Code Regs., tit 14, Section 15262.

The project does not involve impacts on any particularly sensitive environment; will not impact an environmental resource of hazardous or critical concern where designated, precisely mapped, and officially adopted pursuant to law by federal, state, or local agencies; does not involve any cumulative impacts of successive projects of the same type in the same place that might be considered significant; does not involve unusual circumstances that might have a significant effect on the environment; will not result in damage to scenic resources within a highway officially designated as a state scenic highway; the project site is not included on any list compiled pursuant to Government Code section 65962.5; and the project will not cause a substantial adverse change in the significance of a historical resource. Therefore, none of the exceptions to categorical exemptions listed in CEQA Guidelines section 15300.2 apply to this project, and this project will not have a significant effect on the environment.

b) Agreement **IS NOT** exempt.

**IMPORTANT:** consult with the legal office to determine next steps.

No

If yes, answer yes or no to all that applies. If no, list all as “no” and “None” as “yes”.

Additional Documents	Applies
Initial Study	No
Negative Declaration	No
Mitigated Negative Declaration	No
Environmental Impact Report	No
Statement of Overriding Considerations	No
None	Yes

#### H. Is this project considered “Infrastructure”?

No

#### I. Subcontractors

List all Subcontractors listed in the Budget (s) (major and minor). Insert additional rows if needed. If no subcontractors to report, enter “No subcontractors to report” and “0” to funds.

**Delete** any unused rows from the table

Subcontractor Legal Company Name	CEC Funds	Match Funds (provided by the Recipient)
Subrecipients of the Recipient		
Moffatt & Nichol, Inc.	\$10,351,886	\$5,260,615



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Grant Request Form  
CEC-270 (Revised 01/2024)

Subcontractor Legal Company Name	CEC Funds	Match Funds (provided by the Recipient)
Aspen Environmental Group	\$594,000	\$2,000,000
April Parker Foundation, Inc.	\$ 75,000	\$0
Centro C.H.A. Inc.	\$ 75,000	\$0
St. Mary Medical Center Foundation (Families in Good Health program)	\$ 75,000	\$0
Long Beach Memorial Medical Center (Long Beach Alliance for Children with Asthma coalition)	\$ 75,000	\$0
Long Beach Center for Economic Inclusion	\$ 75,000	\$0
Social and Environmental Entrepreneurs (SEE), Inc. (financial sponsor of Sacred Places Institute for Indigenous Peoples)	\$ 96,000	\$0
To Be Determined – Emissions Reduction Strategy	\$0	\$500,000
California State University, Long Beach Research Foundation	\$ 360,000	\$0
To Be Determined	\$ 490,000	\$0
Subrecipients of Aspen Environmental Group		
Anchor QEA, Inc.	\$605,000	\$0
Arellano Associates, Inc.	\$200,000	\$0
Boudreau Associates LLC	\$50,000	\$0
ENGEO INCORPORATED	\$91,000	\$0
Fehr & Peers	\$330,000	\$0
Illingworth & Rodkin, Inc.	\$222,000	\$0
Merkel & Associates, Inc.	\$167,000	\$0
Michael B. Clayton and Associates, a law corporation	\$22,000	\$0
MRS Environmental, Inc.	\$165,000	\$0
Tenera Environmental, Inc.	\$24,000	\$0
LogSum LLC	\$20,000	\$0
Raju Associates, Inc	\$5,000	\$0
CREATION-Z, INC. (dba 3DScape)	\$5,000	\$0



## J. Vendors and Sellers for Equipment and Materials/Miscellaneous

List all Vendors and Sellers listed in Budget(s) for Equipment and Materials/Miscellaneous. Insert additional rows if needed. If no vendors or sellers to report, enter "No vendors or sellers to report" and "0" to funds. **Delete** any unused rows from the table.

Vendor/Seller Legal Company Name	CEC Funds	Match Funds (provided by the Recipient)
Vendors of the Recipient		
Ernst & Young Infrastructure Advisors, LLC	\$0	\$ 500,000
To Be Determined, General Project Tasks (Grant Admin)	\$ 450,000	\$ 250,000
To Be Determined, General Project Tasks (TAC Admin)	\$ 200,000	\$ 100,000
To Be Determined, Evaluation of Project Benefits	\$ 40,000	\$ 10,000
To Be Determined, Engagement Administrator	\$150,000	\$ 250,000
Vendors of Moffat & Nichol		
Gregg Drilling, LLC	\$2,750,005	\$1,397,495
Earth Mechanics, Inc	\$873,570	\$443,930
Lean Technology Corporation	\$784,539	\$398,686

## K. Key Partners

List all key partner(s). Insert additional rows if needed. If no key partners to report, enter "No key partners to report." **Delete** any unused rows from the table.

Key Partner Legal Company Name
No key partners to report.

## L. Budget Information

Include all budget information. Insert additional rows if needed. If no budget information to report, enter "N/A" for "Not Applicable" and "0" to Amount. **Delete** any unused rows from the table.

Funding Source	Funding Year of Appropriation	Budget List Number	Amount
6093 (Safe Drinking Water, Wildfire Prevention, Drought Preparedness, and Clean Air Fund)	2025	701.693	\$20,000,000

**TOTAL Amount:** \$20,000,000

R&D Program Area: N/A



Explanation for "Other" selection N/A

Reimbursement Contract #: N/A

Federal Agreement #: N/A

**M. Recipient's Contact Information**

**1. Recipient's Administrator/Officer**

Name: Suzanne Plezia, P.E.

Address: 415 W. Ocean Blvd

City, State, Zip: Long Beach, CA 90802

Phone: 562-283-7275

E-Mail: Suzanne.plezia@polb.com

**2. Recipient's Project Manager**

Name: Suzanne Plezia, P.E.

Address: 415 W. Ocean Blvd

City, State, Zip: Long Beach, CA 90802

Phone: 562-283-7275

E-Mail: Suzanne.plezia@polb.com

**N. Selection Process Used**

There are three types of selection process. List the one used for this GRF.

Selection Process	Additional Information
Competitive Solicitation #	GFO-24-701
First Come First Served Solicitation #	N/A
Other	N/A

**O. Attached Items**

1. List all items that should be attached to this GRF by entering "Yes" or "No".

Item Number	Item Name	Attached
1	Exhibit A, Scope of Work/Schedule	Yes
2	Exhibit B, Budget Detail	Yes
3	CEC 105, Questionnaire for Identifying Conflicts	Yes





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Grant Request Form  
CEC-270 (Revised 01/2024)

Item Number	Item Name	Attached
4	Recipient Resolution	Yes
5	Awardee CEQA Documentation	Yes

**Approved By**

Individuals who approve this form must enter their full name and approval date in the MS Word version.

**Agreement Manager:** Reid Boggiano

**Approval Date:** 3/26/2025

**Office Manager:** Sean Simon

**Approval Date:** 3/27/2025

**Deputy Director:** Elizabeth Huber

**Approval Date:** 3/27/2025

**Exhibit A**  
**Scope of Work**  
**City of Long Beach Harbor Department**

**I. TASK ACRONYM/TERM LISTS**

**A. Task List**

Task #	CPR <sup>1</sup>	Task Name
1		General Project Tasks
2	CPR	Final Design
3	CPR	Environmental Review
4		Final Project Cost Estimate
5		Community Engagement
6		California Tribal Government Consultation and Engagement
7		Emissions Reduction Strategy
8		Workforce Development
9		Assembly Bill 3 Assessment
10		Stakeholder Engagement
11		Agency Engagement
12		Evaluation of Project Benefits

**B. Acronym/Term List**

Acronym/Term	Meaning
AB	Assembly Bill
CAM	Commission Agreement Manager
CBO	Community Based Organization
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CPR	Critical Project Review
EIR	Environmental Impact Report
EIS	Environmental Impact Statement
GW	Gigawatt
NEPA	National Environmental Policy Act
OSW	Offshore Wind
POLB	Port of Long Beach
POWER	Port Offshore Wind Equity and Readiness
Recipient	City of Long Beach Harbor Department
S&I	Staging and Integration
SPI	<i>Sacred Places Institute for Indigenous Peoples</i>
TAC	Technical Advisory Committee
ZEERO	Zero Emissions, Energy Resilient Operations program

<sup>1</sup> Please see subtask 1.3 in Part III of the Scope of Work (General Project Tasks) for a description of Critical Project Review (CPR) Meetings.

**Exhibit A**  
**Scope of Work**  
**City of Long Beach Harbor Department**

**II. PURPOSE OF AGREEMENT, PROBLEM/SOLUTION STATEMENT, AND GOALS AND OBJECTIVES**

**A. Purpose of Agreement**

The purpose of this Agreement is to fund the planning, final design, environmental review, and engagement strategies with near-port communities, California Native American Tribes, industry stakeholders, and public agencies, for the 430-acre offshore wind (OSW) terminal, known as Pier Wind, at the Port of Long Beach (POLB). This initiative, named Port Offshore Wind Equity and Readiness (POWER), will enable POLB to be shovel-ready and begin full-scale construction of Pier Wind, which will service OSW needs through staging and integration (S&I), foundation assembly, wet storage, major turbine maintenance, and other essential activities.

**B. Problem/ Solution Statement**

**Problem**

The United States federal government has set a goal of 15 gigawatts (GW) of OSW by 2035, and the State of California has announced planning goals of 25 GW of OSW by 2045. The Bureau of Energy Management leased two areas off Humboldt Bay and three areas off Morro Bay for the deployment of floating OSW. Per the Assembly Bill (AB) 525 Offshore Wind Energy Strategic Plan, ports and waterfront facilities are crucial for OSW project development. However, existing California port infrastructure is insufficient to support these projects and the OSW industry. No other entity has built the port infrastructure necessary to support the OSW industry due to the long development timelines and high investment costs.

S&I port sites were identified as the most critical and need early prioritization, as design, permitting, and construction can take up to a decade. Therefore, developing S&I sites as quickly as possible is critical and requires prompt action and funding to meet California's OSW energy goals by 2045. Additional challenges include knowledge gaps for S&I port design due to the nascency of the floating OSW industry. Furthermore, S&I port sites should be developed in a way that helps overcome barriers to OSW deployment by providing operational efficiency, reducing risk and costs, optimizing schedules, and lowering air emissions. OSW must be developed responsibly, equitably, and sustainably to advance climate goals, improve public health, increase energy independence, advance energy equity, and support a clean energy economy with equitable benefits for community members, California Native American Tribes and underserved, under-resourced, and overburdened near-port communities.

**Solutions**

The POWER initiative through this California Energy Commission (CEC) grant funding opportunity is a vital catalyst driving Pier Wind towards realization. POWER will enable POLB to complete all necessary engineering, environmental approvals, business planning, and will include meaningful engagement to prepare Pier Wind for construction in an equitable and community-sensitive manner.

To address long development timelines for S&I ports, POLB initiated the development of Pier Wind in 2022 with a concept study and has since completed 15% engineering design, begun environmental documents for California Environmental Quality Act (CEQA) compliance, and conducted extensive engagement. With this significant progress and CEC funding to complete POWER, Pier Wind will be able to leverage further funding and begin construction in 2027,

## **Exhibit A**

### **Scope of Work**

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providing California with 230 acres of operational S&I port infrastructure by 2032, and an additional 200 acres by 2035.

Through stakeholder engagement under POWER, the design of Pier Wind will be driven by comprehensive input and feedback from across the industry. This engagement will bridge knowledge gaps and create a terminal that enables OSW developers to achieve operational efficiency, deploy larger turbines, reduce OSW costs, and accelerate deployment schedules. The full-scale implementation of Pier Wind will be pivotal in enabling California to meet its OSW energy goal of deploying 25 GW by 2045.

Additionally, POWER will develop strategies for reducing air emissions at Pier Wind and assess the feasibility of creating a zero-emissions terminal. The initiative will engage near-port communities in the planning process, identify potential impacts and tangible community and Tribal benefits, and ensure broad, diverse participation, especially from underrepresented groups. By incorporating local knowledge and priorities, POWER aims to improve Pier Wind's design and minimize environmental, ecological, and community disruption. The POWER project is also designed to provide economic, energy, and workforce benefits, allocating funds towards increasing capacity of Tribes and communities to participate in planning process and direct investments to achieve equitable outcomes.

### **C. Goals and Objectives of the Agreement**

#### **Agreement Goals**

The goals of this Agreement are to:

- Finalize the Pier Wind terminal design, cost estimate, and funding/financing plan.
- Complete environmental review, including CEQA and National Environmental Policy Act (NEPA) document preparation and certification.
- Implement an inclusive outreach and engagement strategy to inform, collaborate with, and facilitate a process to ensure industry, workforce development, agency, tribal organizations, and near-port communities disproportionately burdened by Port operations are actively engaged in the planning process.
- Minimize negative public health and environmental impacts to the community related to Pier Wind.
- Identify and invest in community-prioritized benefits to achieve equitable outcomes.

#### **Agreement Objectives**

The objectives of this Agreement are to:

- Leverage the Pier Wind Conceptual Design and 15% design to finalize the comprehensive design of the Pier Wind terminal through POWER.
- Prepare a joint CEQA and NEPA document and complete all permitting and required environmental review tasks.
- Develop a final project cost estimate and financial plan.
- Collaborate with trusted community-based organizations (CBOs) that reflect and have established relationships with near-port communities to develop and implement an inclusive community engagement strategy that involves vulnerable communities in the POWER planning process as well as identify areas for strategic investment in a community benefits plan.

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- Collaborate with a California Indigenous-led CBO that has established relationships with tribal entities in the Long Beach region to develop and implement a tribal engagement strategy to involve tribes in the POWER planning process as well as identify areas for strategic investment in a tribal benefits plan.
- Develop an emissions reduction strategy for OSW terminal operations at POLB.
- Prepare a principal workforce development study and conduct strategic engagement with key stakeholders to develop a final labor market assessment on workforce and economic development opportunities for OSW at POLB.
- Prepare Pier Wind Data to support the Seaport Readiness Plan and a Floating Foundation Supply Chain Study demonstrating how Pier Wind contributes to the requirements of AB 3.
- Leverage POLB's Zero Emissions, Energy Resilient Operations (ZEERO) program to develop and implement a stakeholder engagement strategy to involve stakeholders in the POWER planning process.
- Develop and implement a public agency engagement strategy to involve applicable agencies into the POWER planning process.
- Evaluate and report on POWER project benefits.

### **III. TASK 1 GENERAL PROJECT TASKS**

#### **PRODUCTS**

##### **Subtask 1.1 Products**

The goal of this subtask is to establish the requirements for submitting project products (e.g., reports, summaries, plans, and presentation materials). Unless otherwise specified by the Commission Agreement Manager (CAM), the Recipient must deliver products as required below by the dates listed in the **Project Schedule (Part V)**. All products submitted which will be viewed by the public, must comply with the accessibility requirements of Section 508 of the federal Rehabilitation Act of 1973, as amended (29 U.S.C. Sec. 794d), and regulations implementing that act as set forth in Part 1194 of Title 36 of the Federal Code of Regulations. All technical tasks should include product(s). Products that require a draft version are indicated by marking “**(draft and final)**” after the product name in the “Products” section of the task/subtask. If “(draft and final)” does not appear after the product name, only a final version of the product is required. With respect to due dates within this Scope of Work, “**days**” means working days.

##### **The Recipient shall:**

For products that require a draft version, including the Final Report Outline and Final Report

- Submit all draft products to the CAM for review and comment in accordance with the Project Schedule (Part V). The CAM will provide written comments to the Recipient on the draft product within 15 days of receipt, unless otherwise specified in the task/subtask for which the product is required.
- Consider incorporating all CAM comments into the final product. If the Recipient disagrees with any comment, provide a written response explaining why the comment was not incorporated into the final product.

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- Submit the revised product and responses to comments within 10 days of notice by the CAM, unless the CAM specifies a longer time period, or approves a request for additional time.

For products that require a final version only

- Submit the product to the CAM for acceptance. The CAM may request minor revisions or explanations prior to acceptance.

For all products

- Submit all data and documents required as products in accordance with the following:

Instructions for Submitting Electronic Files and Developing Software:

- **Electronic File Format**

- Submit all data and documents required as products under this Agreement in an electronic file format that is fully editable and compatible with the CEC's software and Microsoft (MS)-operating computing platforms, or with any other format approved by the CAM. Deliver an electronic copy of the full text of any Agreement data and documents in a format specified by the CAM, such as memory stick.

The following describes the accepted formats for electronic data and documents provided to the CEC as products under this Agreement, and establishes the software versions that will be required to review and approve all software products:

- Data sets will be in MS Access or MS Excel file format (version 2007 or later), or any other format approved by the CAM.
- Text documents will be in MS Word file format, version 2007 or later.
- Project management documents will be in Microsoft Project file format, version 2007 or later.

- **Software Application Development**

Use the following standard Application Architecture components in compatible versions for any software application development required by this Agreement (e.g., databases, models, modeling tools), unless the CAM approves other software applications such as open source programs:

- Microsoft ASP.NET framework (version 3.5 and up). Recommend 4.0.
- Microsoft Internet Information Services (IIS), (version 6 and up) Recommend 7.5.
- Visual Studio.NET (version 2008 and up). Recommend 2010.
- C# Programming Language with Presentation (UI), Business Object and Data Layers.
- SQL (Structured Query Language).
- Microsoft SQL Server 2008, Stored Procedures. Recommend 2008 R2.
- Microsoft SQL Reporting Services. Recommend 2008 R2.
- XML (external interfaces).

Any exceptions to the Electronic File Format requirements above must be approved in writing by the CAM. The CAM will consult with the CEC's Information Technology Services Branch to determine whether the exceptions are allowable.

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**Scope of Work**  
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**MEETINGS**

**Subtask 1.2 Kick-off Meeting**

The goal of this subtask is to establish the lines of communication and procedures for implementing this Agreement.

**The Recipient shall:**

- Attend a “Kick-off” meeting with the CAM, and other CEC staff relevant to the Agreement. The Recipient’s Project Manager and any other individuals deemed necessary by the CAM or the Project Manager shall participate in this meeting. The administrative and technical aspects of the Agreement will be discussed at the meeting. Prior to the meeting, the CAM will provide an agenda to all potential meeting participants. The meeting may take place in person or by electronic conferencing (e.g., Teams, Zoom), with approval of the CAM.

The Kick-off meeting will include discussion of the following:

- The CAM's expectations for accomplishing tasks described in the Scope of Work;
  - An updated Project Schedule;
  - Terms and conditions of the Agreement;
  - Invoicing and auditing procedures;
  - Travel;
  - Equipment purchases;
  - Administrative and Technical products (subtask 1.1);
  - CPR meetings (subtask 1.3);
  - Monthly Calls (subtask 1.5)
  - Quarterly Progress reports (subtask 1.6)
  - Final Report (subtask 1.7)
  - Match funds (subtask 1.8);
  - Permit documentation (subtask 1.9);
  - Subawards (subtask 1.10);
  - Technical Advisory Committee meetings (subtasks 1.11 and 1.12);
  - Agreement changes;
  - Performance Evaluations; and
  - Any other relevant topics.
- Provide *Kick-off Meeting Presentation* to include but not limited to:
    - Project overview (i.e. project description, goals and objectives, technical tasks, expected benefits, etc.)
    - Project schedule that identifies milestones
    - List of potential risk factors and hurdles, and mitigation strategy
  - Provide an *Updated Project Schedule*, *Match Funds Status Letter*, and *Permit Status Letter*, as needed to reflect any changes in the documents.

**The CAM shall:**

- Designate the date and location of the meeting.
- Send the Recipient a *Kick-off Meeting Agenda*.

**Recipient Products:**



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- Kick-off Meeting Presentation
- Updated Project Schedule (*if applicable*)
- Match Funds Status Letter (subtask 1.7) (*if applicable*)
- Permit Status Letter (subtask 1.8) (*if applicable*)

**CAM Product:**

- Kick-off Meeting Agenda

**Subtask 1.3 Critical Project Review (CPR) Meetings**

The goal of this subtask is to determine if the project should continue to receive CEC funding, and if so whether any modifications must be made to the tasks, products, schedule, or budget. CPR meetings provide the opportunity for frank discussions between the CEC and the Recipient. As determined by the CAM, discussions may include project status, challenges, successes, advisory group findings and recommendations, final report preparation, and progress on technical transfer and production readiness activities (if applicable). Participants will include the CAM and the Recipient and may include the Commission Agreement Officer and any other individuals selected by the CAM to provide support to the CEC.

CPR meetings generally take place at key, predetermined points in the Agreement, as determined by the CAM and as shown in the Task List on page 1 of this Exhibit. However, the CAM may schedule additional CPR meetings as necessary. The budget may be reallocated to cover the additional costs borne by the Recipient, but the overall Agreement amount will not increase. CPR meetings generally take place at the CEC, but they may take place at another location, or may be conducted via electronic conferencing (e.g., Microsoft Teams, Zoom, and WebEx) as determined by the CAM.

**The Recipient shall:**

- Prepare and submit a *CPR Report* for each CPR meeting that: (1) discusses the progress of the Agreement toward achieving its goals and objectives; and (2) includes recommendations and conclusions regarding continued work on the project.
- Attend the CPR meeting.
- Present the CPR Report and any other required information at each CPR meeting.

**The CAM shall:**

- Determine the location, date, and time of each CPR meeting with the Recipient's input.
- Send the Recipient a *CPR Agenda* with a list of expected CPR participants in advance of the CPR meeting. If applicable, the agenda may include a discussion of match funding and permits.
- Conduct and make a record of each CPR meeting. Provide the Recipient with a schedule for providing a Progress Determination on continuation of the project.
- Determine whether to continue the project, and if so whether modifications are needed to the tasks, schedule, products, or budget for the remainder of the Agreement. A determination of unsatisfactory progress This may result in project delays, including a potential Stop Work Order, while the CEC determines whether the project should continue.
- Provide the Recipient with a *Progress Determination* on continuation of the project, in accordance with the schedule. The Progress Determination may include a requirement that the Recipient revise one or more products.



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**Recipient Products:**

- CPR Report(s)

**CAM Products:**

- CPR Agenda(s)
- Progress Determination

**SUBTASK 1.4 FINAL MEETING**

The goal of this subtask is to complete the closeout of this Agreement.

**The Recipient shall:**

- Meet with CEC staff to present project findings, conclusions, and recommendations. The final meeting must be completed during the closeout of this Agreement. This meeting will be attended by the Recipient and CAM, at a minimum. The meeting may occur in person or by electronic conferencing (e.g., WebEx), with approval of the CAM.

The technical and administrative aspects of Agreement closeout will be discussed at the meeting, which may be divided into two separate meetings at the CAM's discretion.

- The technical portion of the meeting will involve the presentation of findings, conclusions, and recommended next steps (if any) for the Agreement. The CAM will determine the appropriate meeting participants.
- The administrative portion of the meeting will involve a discussion with the CAM of the following Agreement closeout items:
  - Disposition of any procured equipment.
  - The CEC's request for specific "generated" data (not already provided in Agreement products).
  - Need to document the Recipient's disclosure of "subject inventions" developed under the Agreement.
  - "Surviving" Agreement provisions such as repayment provisions and confidential products.
  - Final invoicing and release of retention.
- Prepare a *Final Meeting Agreement Summary* that documents any agreement made between the Recipient and CEC staff during the meeting.
- Prepare a *Schedule for Completing Agreement Closeout Activities*.
- Provide copies of *All Final Products* organized by the tasks in the Agreement.

**Products:**

- Final Meeting Agreement Summary (*if applicable*)
- Schedule for Completing Agreement Closeout Activities
- All Final Products

**MONTHLY CALLS, REPORTS AND INVOICES**

**Subtask 1.5 Monthly Calls**

The goal of this task is to have calls at least monthly between the CAM and Recipient to verify that satisfactory and continued progress is made towards achieving the objectives of this Agreement on time and within budget.

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The objectives of this task are to verbally summarize activities performed during the reporting period, to identify activities planned for the next reporting period, to identify issues that may affect performance and expenditures, to verify match funds are being proportionally spent concurrently or in advance of CEC funds or are being spent in accordance with an approved Match Funding Spending Plan, to form the basis for determining whether invoices are consistent with work performed, and to answer any other questions from the CAM. Monthly calls might not be held on those months when a quarterly progress report is submitted or the CAM determines that a monthly call is unnecessary.

**The CAM shall:**

- Schedule monthly calls.
- Provide questions to the Recipient prior to the monthly call.
- Provide call summary notes to Recipient of items discussed during call.

**The Recipient shall:**

- Review the questions provided by CAM prior to the monthly call
- Provide verbal answers to the CAM during the call.

**Product:**

- Email to CAM concurring with call summary notes.

**Subtask 1.6 Quarterly Progress Reports and Invoices**

The goals of this subtask are to: (1) periodically verify that satisfactory and continued progress is made towards achieving the project objectives of this Agreement; and (2) ensure that invoices contain all required information and are submitted in the appropriate format.

**The Recipient shall:**

- Submit a *Quarterly Progress Report* to the CAM. Each progress report must:
  - Summarize progress made on all Agreement activities as specified in the scope of work for the reporting period, including accomplishments, problems, milestones, products, schedule, fiscal status, and an assessment of the ability to complete the Agreement within the current budget and any anticipated cost overruns. Progress reports are due to the CAM the 10th day of each January, April, July, and October. The Quarterly Progress Report template can be found on the ECAMS Resources webpage available at: <https://www.energy.ca.gov/media/4691>
- Submit a monthly or quarterly *Invoice* on the invoice template(s) provided by the CAM.

**Recipient Products:**

- Quarterly Progress Reports
- Invoices

**CAM Product:**

- Invoice template

**Subtask 1.7 Final Report**

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The goal of this subtask is to prepare a comprehensive Final Report that describes the original purpose, approach, results, and conclusions of the work performed under this Agreement. When creating the Final Report Outline and the Final Report, the Recipient must use the CEC Style Manual provided by the CAM.

**Subtask 1.7.1 Final Report Outline**

**The Recipient shall:**

- Prepare a *Final Report Outline* in accordance with the *Energy Commission Style Manual* provided by the CAM.

**Recipient Products:**

- Final Report Outline (draft and final)

**CAM Products:**

- Energy Commission Style Manual
- Comments on Draft Final Report Outline
- Acceptance of Final Report Outline

**Subtask 1.7.2 Final Report**

**The Recipient shall:**

- Prepare a *Final Report* for this Agreement in accordance with the approved Final Report Outline, Energy Commission Style Manual, and Final Report Template provided by the CAM with the following considerations:
  - Ensure that the report includes the following items, in the following order:
    - Cover page (**required**)
    - Credits page on the reverse side of cover with legal disclaimer (**required**)
    - Acknowledgements page (optional)
    - Preface (**required**)
    - Abstract, keywords, and citation page (**required**)
    - Table of Contents (**required**, followed by List of Figures and List of Tables, if needed)
    - Executive summary (**required**)
    - Body of the report (**required**)
    - References (if applicable)
    - Glossary/Acronyms (If more than 10 acronyms or abbreviations are used, it is required.)
    - Bibliography (if applicable)
    - Appendices (if applicable) (Create a separate volume if very large.)
    - Attachments (if applicable)
- Submit a draft of the Executive Summary to the TAC for review and comment.
- Develop and submit a *Summary of TAC Comments on Draft Final Report* received on the Executive Summary. For each comment received, the Recipient will identify in the summary the following:
  - Comments the Recipient proposes to incorporate.
  - Comments the Recipient does propose to incorporate and an explanation for why.

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- Submit a draft of the report to the CAM for review and comment. The CAM will provide written comments to the Recipient on the draft product within 15 days of receipt.
- Incorporate all CAM comments into the *Final Report*. If the Recipient disagrees with any comment, provide a *Written Responses to Comments* explaining why the comments were not incorporated into the final product.
- Submit the revised *Final Report* electronically with any Written Responses to Comments within 10 days of receipt of CAM's Written Comments on the Draft Final Report, unless the CAM specifies a longer time period or approves a request for additional time.

**Products:**

- Summary of TAC Comments on Draft Final Report
- Draft Final Report
- Written Responses to Comments (*if applicable*)
- Final Report

**CAM Product:**

- Written Comments on the Draft Final Report

**MATCH FUNDS, PERMITS, AND SUBAWARDS**

**Subtask 1.8 Match Funds**

The goal of this subtask is to ensure that the Recipient obtains any match funds planned for this Agreement and applies them to the Agreement during the Agreement term.

While the costs to obtain and document match funds are not reimbursable under this Agreement, the Recipient may spend match funds for this task. The Recipient may only spend match funds during this Agreement term, either concurrently or prior to the use of CEC funds for each task during the term of this Agreement. Match funds must be identified in writing, and the Recipient must obtain any associated commitments before incurring any costs for which the Recipient will request reimbursement.

**The Recipient shall:**

- Prepare a *Match Funds Status Letter* that documents the match funds committed to this Agreement. If no match funds were part of the application that led to the CEC awarding this Agreement and none have been identified at the time this Agreement starts, then state this in the letter.

If match funds were a part of the application that led to the CEC awarding this Agreement, then provide in the letter:

- A list of the match funds that identifies:
  - The amount of cash match funds, their source(s) (including a contact name, address, and telephone number), and the task(s) to which the match funds will be applied.
  - The amount of each in-kind contribution, a description of the contribution type (e.g., property, services), the documented market or book value, the source (including a contact name, address, and telephone number), and the task(s) to which the match funds will be applied. If the in-kind contribution is equipment or other tangible or real property, the Recipient must identify its owner and provide a contact name, address, telephone number, and the

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address where the property is located.

- If different from the solicitation application, provide a letter of commitment from an authorized representative of each source of match funding that the funds or contributions have been secured.
- At the Kick-off meeting, discuss match funds and the impact on the project if they are significantly reduced or not obtained as committed. If applicable, match funds will be included as a line item in the progress reports and will be a topic at CPR meetings.
- Provide a *Supplemental Match Funds Notification Letter* to the CAM of receipt of additional match funds.
- Provide a *Match Funds Reduction Notification Letter* to the CAM if existing match funds are reduced during the course of the Agreement. Reduction of match funds may trigger a CPR meeting.

**Products:**

- Match Funds Status Letter
- Supplemental Match Funds Notification Letter (*if applicable*)
- Match Funds Reduction Notification Letter (*if applicable*)

**Subtask 1.9 Permits**

The goal of this subtask is to obtain all permits required for work completed under this Agreement in advance of the date they are needed to keep the Agreement schedule on track. Permit costs and the expenses associated with obtaining permits are not reimbursable under this Agreement, with the exception of costs incurred by University of California recipients. Permits must be identified and obtained before the Recipient may incur any costs related to the use of the permit(s) for which the Recipient will request reimbursement.

**The Recipient shall:**

- Prepare a *Permit Status Letter* that documents the permits required to conduct this Agreement. If no permits are required at the start of this Agreement, then state this in the letter. If permits will be required during the course of the Agreement, provide in the letter:
  - A list of the permits that identifies: (1) the type of permit; and (2) the name, address, and telephone number of the permitting jurisdictions or lead agencies.
  - The schedule the Recipient will follow in applying for and obtaining the permits.

The list of permits and the schedule for obtaining them will be discussed at the Kick-off meeting (subtask 1.2), and a timetable for submitting the updated list, schedule, and copies of the permits will be developed. The impact on the project if the permits are not obtained in a timely fashion or are denied will also be discussed. If applicable, permits will be included as a line item in progress reports and will be a topic at CPR meetings.

- If during the course of the Agreement additional permits become necessary, then provide the CAM with an *Updated List of Permits* (including the appropriate information on each permit) and an *Updated Schedule for Acquiring Permits*.
- Send the CAM a *Copy of Each Approved Permit*.
- If during the course of the Agreement permits are not obtained on time or are denied, notify the CAM within 5 days. Either of these events may trigger a CPR meeting.

**Products:**

- Permit Status Letter

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- Updated List of Permits *(if applicable)*
- Updated Schedule for Acquiring Permits *(if applicable)*
- Copy of Each Approved Permit *(if applicable)*

**Subtask 1.10 Obtain and Execute Subawards and Agreements with Site Hosts**

The goal of this task is to ensure quality products and to execute subrecipients and site host agreements, as applicable, required to carry out the tasks under this Agreement consistent with the Agreement Terms and Conditions and the Recipient's own procurement and contracting policies and procedures.

**The Recipient shall:**

- Execute and manage subawards and coordinate subrecipient activities.
- Execute and manage site host agreements, and ensure the right to use the project site throughout the term of the Agreement, as applicable. A site host agreement is not required if the Recipient is the site host.
- Notify the CEC in writing immediately, but no later than five calendar days, if there is a reasonable likelihood the project site cannot be acquired or can no longer be used for the project.
- Submit a letter to the CAM describing the subawards and any site host agreement needed or stating that no subawards or site host agreements are required.
- If requested by the CAM, submit a draft of each subaward and any site host agreement required to conduct the work under this Agreement to the CAM for review.
- If requested by the CAM, submit a final copy of each executed subaward and any site host agreement.
- If Recipient intends to add new subrecipients or change subrecipients, then the Recipient shall notify the CAM.

**Products:**

- Letter describing the subawards needed, or stating that no subawards are required
- Draft subaward (if requested)
- Final subaward (if requested)
- Draft site host agreement (if requested)
- Final site host agreement (if requested)

**TECHNICAL ADVISORY COMMITTEE**

**Subtask 1.11 Technical Advisory Committee (TAC)**

The goal of this subtask is to create an advisory committee for this Agreement. The TAC should be composed of diverse professionals. The composition will vary depending on interest, availability, and need. TAC members will serve at the CAM's discretion. The purpose of the TAC is to:

- Provide guidance in project direction. The guidance may include scope and methodologies, timing, and coordination with other projects. The guidance may be based on:
  - Technical area expertise;
  - Knowledge of market applications; or
  - Linkages between the Agreement work and other past, present, or future projects (both public and private sectors) that TAC members are aware of in a particular area.

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- Review products and provide recommendations for needed product adjustments, refinements, or enhancements.
- Evaluate the tangible benefits of the project to the state of California, and provide recommendations as needed to enhance the benefits.
- Provide recommendations regarding information dissemination, market pathways, or commercialization strategies relevant to the project products.
- Help set the project team's goals and contribute to the development and evaluation of its statement of proposed objectives as the project evolves.
- Provide a credible and objective sounding board on the wide range of technical and financial barriers and opportunities.
- Help identify key areas where the project has a competitive advantage, value proposition, or strength upon which to build.
- Advocate, to the extent the TAC members feel is appropriate, on behalf of the project in its effort to build partnerships, governmental support, and relationships with a national spectrum of influential leaders.
- Ask probing questions that insure a long-term perspective on decision-making and progress toward the project's strategic goals.

The TAC may be composed of qualified professionals spanning the following types of disciplines:

- Researchers knowledgeable about the project subject matter;
- Members of trades that will apply the results of the project (e.g., designers, engineers, architects, contractors, and trade representatives);
- Public interest market transformation implementers;
- Product and project developers relevant to the project;
- U.S. Department of Energy, U.S. Department of Transportation, U.S. Army Corps. of Engineers, California Coastal Commission, California State Lands Commission, California Department of Fish and Wildlife, research managers, or experts from other federal or state agencies relevant to the project;
- Public interest environmental groups;
- Public interest environmental justice organizations;
- Tribal governments an/or their representatives;
- Utility representatives;
- Air district staff; and
- Members of relevant technical society committees.

**The Recipient shall:**

- Prepare a *List of Potential TAC Members* that includes the names, companies or organizations, physical and electronic addresses, and phone numbers of potential members. The list will be discussed at the Kick-off meeting at which time the CAM will provide input on the TAC member list, and a schedule for recruiting members and holding the first TAC meeting will be developed.
- Recruit TAC members. Ensure that each individual understands member obligations and the TAC meeting schedule developed in subtask 1.12.
- Prepare a *List of TAC Members* once all TAC members have committed to serving on the TAC.



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- Submit *Documentation of TAC Member Commitment* (such as Letters of Acceptance) from each TAC member.

**Products:**

- List of Potential TAC Members
- List of TAC Members
- Documentation of TAC Member Commitment

**Subtask 1.12 TAC Meetings**

The goal of this subtask is for the TAC to provide strategic guidance for the project by participating in regular meetings, which may be held via teleconference.

**The Recipient shall:**

- Discuss the TAC meeting schedule with the CAM at the Kick-off meeting. Determine the number and location of meetings (in-person and via teleconference) in consultation with the CAM.
- Prepare a *TAC Meeting Schedule* that will be presented to the TAC members during recruiting. Revise the schedule after the first TAC meeting to incorporate meeting comments.
- Prepare a *TAC Meeting Agenda* and *TAC Meeting Back-up Materials* for each TAC meeting.
- Organize and lead TAC meetings in accordance with the TAC Meeting Schedule. Changes to the schedule must be pre-approved in writing by the CAM.
- Prepare *TAC Meeting Summaries* that include any recommended resolutions of major TAC issues.

**The TAC shall:**

- Help set the project team's goals and contribute to the development and evaluation of its statement of proposed objectives as the project evolves.
- Provide a credible and objective sounding board on the wide range of technical and financial barriers and opportunities.
- Help identify key areas where the project has a competitive advantage, value proposition, or strength upon which to build.
- Advocate on behalf of the project in its effort to build partnerships, governmental support and relationships with a national spectrum of influential leaders.
- Ask probing questions that insure a long-term perspective on decision-making and progress toward the project's strategic goals.
- Review and provide comments to proposed project performance metrics.

**Products:**

- TAC Meeting Schedule (draft and final)
- TAC Meeting Agendas (draft and final)
- TAC Meeting Back-up Materials
- TAC Meeting Summaries

**Subtask 1.13 Project Performance Metrics**

The goal of this subtask is to finalize key performance targets for the project based on feedback from the TAC and report on final results in achieving those targets. The performance targets



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should be a combination of scientific, engineering, techno-economic, and/or programmatic metrics that provide the most significant indicator of the research or technology's potential success.

#### **The Recipient shall:**

- Complete and submit the project performance metrics section of the *Initial Project Benefits Questionnaire*, developed in the Evaluation of Project Benefits task, to the CAM.
- Present the draft project performance metrics at the first TAC meeting to solicit input and comments from the TAC members.
- Develop and submit a *TAC Performance Metrics Summary* that summarizes comments received from the TAC members on the proposed project performance metrics. The *TAC Performance Metrics Summary* will identify:
  - TAC comments the Recipient proposes to incorporate into the *Initial Project Benefits Questionnaire*, developed in the Evaluation of Project Benefits task.
  - TAC comments the Recipient does not propose to incorporate with and explanation why.
- Develop and submit a *Project Performance Metrics Results* document describing the extent to which the Recipient met each of the performance metrics in the *Final Project Benefits Questionnaire*, developed in the Evaluation of Project Benefits task.
- Discuss the *Project Performance Metrics Results* at the Final Meeting.

#### **Products:**

- TAC Performance Metrics Summary
- Project Performance Metrics Results

### **IV. TECHNICAL TASKS**

#### **TASK 2 FINAL DESIGN**

The goal of this task is to complete Final engineering design and supporting geotechnical field investigations.

#### **The Recipient shall:**

- Perform geotechnical field investigations to assess soil and subsurface conditions. This includes drilling, sampling, and laboratory testing to inform the engineering design. Compile results of field investigation into a *Geotechnical Investigation Report*.
- Prepare a 30-percent Engineering Design, including drawings and a technical specification outline. Submit the *30-percent Engineering Design* to the CAM for feedback and incorporate changes mutually agreed upon into the subsequent engineering design milestone.
- Develop a *Project Phasing Plan* that outlines the progression to Final design of Pier Wind. This plan will identify how the remaining design stages (i.e., 50%, 100%, and Final design) will be divided into packages aligning with construction phases and funding. It is anticipated the design will be separated into two phases to match the construction schedule: Phase 1 will encompass the 30-acre transportation corridor and the western

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200 acres of the terminal, while Phase 2 will include the eastern 200 acres of the terminal. Each phase may have a few work packages.

- Complete a *Final Engineering Design* for each package at the appropriate milestones (i.e., 50%, 100%, and Final), this includes drawings and technical specifications.

**Products:**

- *Geotechnical Investigation Report*
- *30-percent Engineering Design*
- *Project Phasing Plan*
- *Final Engineering Design (Phase 1 and 2)*

**TASK 3 COMPLETE REMAINING ENVIRONMENTAL REVIEW**

The goal of this task is to complete all remaining required environmental review preparations and submission for CEQA and NEPA.

**The Recipient shall:**

- Complete all CEQA/NEPA environmental document and technology studies.
  - Complete the “Conceptual Habitat Mitigation Plan”
  - Complete the “In-water noise planning and permitting”
  - Complete sediment sampling in the outer harbor.
  - Provide support as needed for bio, water, sediment support.
  - Complete the Port Master Plan Amendment for Port Planning
  - Complete water technology studies.
  - Complete the sediment sampling preparation work.
  - Complete Geotechnical sampling at the sand borrow site.
- Prepare and submit draft Environmental Impact Report and Environmental Impact Statement (EIR/EIS) to the CAM for review and comment.
- Review and prepare *Final EIR/EIS*.
- Apply for permits as required.
- Submit all *Required CEQA Compliance Documents*.
- Obtain and submit all Applicable Permits and Entitlements

**Products**

- *Draft EIR/EIS*
- *Required CEQA compliance documents.*
- *Applicable Permits and Entitlements*

**TASK 4 FINAL PROJECT COST ESTIMATE**

The goal of this task is to prepare a cost estimate for developing the final project.

**The Recipient shall:**

- Prepare *Project Cost Estimate*:
  - Refine and mature the construction cost estimate at appropriate milestones throughout the ongoing engineering design development. Include all potential

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- construction phase costs (direct and indirect construction costs, fees and supervision costs for prime contractors, and soft costs/oversight costs for POLB).
- Develop a construction cost escalation methodology, using both historical data and forecasts for key aspects of labor and materials.
- Prepare *Project Financial Plan*:
  - Develop a resource-loaded construction cash flow using the updated Project Schedule and generate a projected construction spending curve over time. Apply the construction cost escalation methodology to the projected construction spending curve, to generate nominal costs for use in the project funding and financing analysis.
  - Develop estimates for financing costs (interest rates, fees, debt/equity sizing and other key financial inputs) related to debt issuance and/or other project financing sources.
  - Develop funding/financing scenarios to apply to the nominal project construction spending curve, including financing costs and other cost impacts specific to the assumed mix of sources of Project funding in each scenario (e.g. State/Federal grant funding, POLB funding, private financing).
  - Generate draft annual sources and uses of funds during construction, comprising total projected costs and total projected funding sources for the entire project.

**Products**

- *Project Cost Estimate*
- *Project Financial Plan*

**TASK 5 COMMUNITY ENGAGEMENT**

The goal of this task is to inform, educate and involve local community members in project planning and in identifying specific and tangible community benefits and impacts that are expected and resulted from developing the project.

**The Recipient shall:**

- Partner with trusted CBOs to provide culturally and linguistically competent outreach and engagement that centers the needs and voices of the community
- Develop a *Community Engagement Strategy Framework* that represents the diversity of the near-port community that includes involving community members in the planning process, identifying specific community benefits and impacts resulting from the project, and ensuring broad and diverse participation particularly from under-represented groups.
- Oversee the development of the community engagement strategy in partnership with the CBOs and local community.
- Oversee the development of educational collateral/materials/survey instruments associated with the community engagement strategy to ensure they are culturally and linguistically appropriate.
- Implement the community engagement strategy in partnership with the CBOs
- Develop a *POWER Community Benefits Framework* in collaboration with CBO partners to ensure equitable and transparent engagement. The Framework will outline the approach and criteria for distributing funding or stipends to participants and identify strategic areas for investment to create benefits including but not limited to community

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health, education, and economic development. The Framework must be submitted to the CAM for review and approval before CEC funds can be allocated to participants.

- Identify and invest in community-prioritized benefits to achieve equitable outcomes.
- Collect community feedback and compile data from community outreach efforts.
- Develop *Pre-Planning*, *Post-Planning*, and *End-Of-Project Community Engagement Reports* to provide status updates, summarize engagement results, and discuss concerns, feedback, suggestions, etc. from community members.

#### **Products**

- *Community Engagement Strategy Framework*
- *Community Benefits Framework (draft and final)*
- *Pre-planning Community Engagement Report*
- *Post-planning Community Engagement Report*
- *End of Project Community Engagement Report*

### **TASK 6 CALIFORNIA TRIBAL GOVERNMENT CONSULTATION AND ENGAGEMENT**

The goal of this task is to engage California Native American Tribes to receive input on a consultation and engagement strategy, identify potential impacts and expected benefits, and involve tribes in project planning.

#### **The Recipient shall:**

- Identify a partner to help facilitate the consultation process, to design and lead tribal engagement, inform the development of resources intended to reach the Tribal community, and support development of a *POWER Tribal Engagement Strategy Framework*.
- Provide funding for Tribes to increase their capacity, to recognize and compensate them for their time, and to allow for direct investments in Tribal Communities.
- Oversee the development of the tribal engagement strategy in partnership. Oversee the development of educational collateral/materials/survey instruments associated with the tribal engagement strategy to ensure cultural competency and sensitivity.
- Oversee the implementation of the tribal engagement strategy in partnership. Develop a *POWER Tribal Benefits Framework* to ensure equitable and transparent engagement. The Framework will outline the approach and criteria for distributing funding or stipends to participants, and identify strategic areas for investment to create benefits including but not limited to tribal community health, education, and economic development. The framework must be submitted to the CAM for review and approval before CEC funds can be allocated to participants.
- Collect feedback and compile data from tribal outreach efforts.
- Develop *Pre-Planning*, *Post-Planning*, and *End-Of-Project Tribal Engagement Reports* to provide status updates, summarize engagement results, and discuss concerns, feedback, suggestions etc. from tribal entities.

#### **Products**

- *Tribal Engagement Strategy Framework*
- *Tribal Benefits Framework (draft and final)*
- *Pre-planning Tribal Engagement Report*

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- *Post-planning Tribal Engagement Report*
- *End of Project Tribal Engagement Report*

**TASK 7 EMISSIONS REDUCTION STRATEGY**

The goal of this task is to develop an emissions reduction strategy for OSW operations at POLB.

**The Recipient shall:**

- Identify a partner to develop an emissions reduction strategy and zero-emission pathway for Pier Wind terminal operations.
- Develop a *Technology and Innovation Review Summary Report*
- Perform a preliminary assessment of existing data on OSW terminals and vessels to analyze current technologies and associated emission profiles
- Identify baseline emissions associated with current operations and vessels at the Pier Wind terminal using the draft EIR
- Benchmark emissions reduction potential against California and United States Industry standards
- Assess the feasibility for the integration of advanced technologies for higher efficiency, reduced emissions, and reduced material usage through a review of existing and emerging technologies as well as outreach to other California OSW ports.
- Establish short, medium, and long-term emissions reduction strategies for reducing emissions for Pier Wind operations that incorporates regulatory requirements and feedback from comprehensive engagement and workforce development efforts
- Develop the *Emissions Reduction Report* (draft and final), a comprehensive, actionable report that details the emissions reduction approach and zero-emission pathways for Pier Wind.

**Products**

- *Technology and Innovation Review Summary Report*
- *Emissions Reduction Report (draft and final)*

**TASK 8 WORKFORCE DEVELOPMENT**

The goal of this task is to develop a strategy for workforce development that will support and create good jobs, workforce development pathways, and economic development opportunities – particularly in underserved communities.

**The Recipient shall:**

- Identify a partner to develop a workforce development strategy and implement the following subtasks/products.
- Develop a *Principal Workforce Development Study* that includes the following:
  - Historical labor market review
  - Analysis of workforce gaps and requirements necessary for production and maintenance phases of Pier Wind
  - Market forecast of the workforce and economic development opportunities for OSW terminal at POLB

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- Conduct strategic engagement through focus groups, informational interviews, and participatory research with key stakeholders
- Develop *Strategic Outreach & Engagement Report*
- Develop a *Labor Market Assessment* (draft and final) on workforce and economic development opportunities for OSW at POLB.

**Products**

- *Principal Workforce Development Study*
- *Strategic Outreach & Engagement Summary*
- *Labor Market Assessment (draft and final)*

**TASK 9 ASSEMBLY BILL 3 ASSESSMENT**

The goal of this task is to develop materials demonstrating how the POWER project contributes to the requirements of AB 3, California Offshore Wind Advancement Act.

**The Recipient shall:**

- Coordinate with the CEC on AB 3 requirements and agree to what material / data is needed from Pier Wind for the Second-Phase Seaport Readiness Plan.
- Prepare *Seaport Readiness Plan Data* for Pier Wind
- Prepare a *Floating Foundation Supply Chain Study* for the Southern California region that includes:
  - Assess potential demand and requirements for floating foundations
  - Determine Southern California companies' capacity to supply necessary components and materials for floating foundations
  - Estimate job creation from floating foundation industry
  - Evaluate the impact on California's OSW energy program timeline and cost if floating foundations are produced locally.

**Products**

- *Seaport Readiness Plan Data*
- *Floating Foundation Supply Chain Study*

**TASK 10 STAKEHOLDER ENGAGEMENT**

The goal of this task is to educate industry stakeholders on project outcomes/benefits and involve industry stakeholders in project planning.

**The Recipient shall:**

- Develop a *Stakeholder Engagement Strategy Framework* that includes involving key stakeholders in the planning process, identifying specific benefits resulting from the project, and ensuring broad and diverse participation from groups including, but is not limited to, labor and workforce organizations, floating OSW equipment manufacturers, OSW developers, environmental organizations, port and harbor users and tenants, and recreational and commercial fishing organizations.
- Oversee the development of educational collateral/materials/survey instruments associated with the industry stakeholder engagement strategy.
- Leverage POLB's ZEERO program to implement the stakeholder engagement strategy



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- Collect stakeholder feedback and compile data from stakeholder outreach efforts.
- Develop *Pre-Planning, Post-Planning, and End-Of-Project Stakeholder Engagement Reports* to provide status updates, summarize engagement results, and discuss concerns, feedback, suggestions etc. from stakeholders.

**Products**

- *Stakeholder Engagement Strategy Framework*
- *Pre-planning Stakeholder Engagement Report*
- *Post-planning Stakeholder Engagement Report*
- *End of Project Stakeholder Engagement Report*

**TASK 11 AGENCY ENGAGEMENT**

The goal of this task is to educate applicable federal, state, and local agencies on project outcomes/benefits and involve agencies in project planning.

**The Recipient shall:**

- Develop a *Public Agency Engagement Strategy Framework* to include applicable federal, state, and local agencies
- Develop educational collateral/materials/survey instruments associated with the agency engagement strategy
- Implement the agency engagement strategy
- Collect agency feedback and compile data from agency outreach efforts.
- Develop *Pre-Planning, Post-Planning, and End-Of-Project Public Agency Engagement Reports* to provide status updates, summarize engagement results, and discuss concerns, feedback, suggestions etc. from agencies.

**Products**

- *Public Agency Engagement Strategy Framework*
- *Pre-planning Public Agency Engagement Report*
- *Post-planning Public Agency Engagement Report*
- *End of Project Public Agency Engagement Report*

**TASK 12 EVALUATION OF PROJECT BENEFITS**

The goal of this task is to report the benefits resulting from this project.

**The Recipient shall:**

- Complete the *Initial Project Benefits Questionnaire*. The Initial Project Benefits Questionnaire shall be initially completed by the Recipient with 'Kick-off' selected for the 'Relevant data collection period' and submitted to the CAM for review and approval.
- Complete the *Annual Survey* by January 31st of each year. The Annual Survey includes but is not limited to the following information:
  - Project progress
  - New media and publications
  - Follow-on funding and awards received
- Complete the *Final Project Benefits Questionnaire*. The Final Project Benefits

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**Scope of Work**  
**City of Long Beach Harbor Department**

Questionnaire shall be completed by the Recipient with 'Final' selected for the 'Relevant data collection period' and submitted to the CAM for review and approval.

- Respond to CAM questions regarding the questionnaire drafts.

**Products:**

- *Initial Project Benefits Questionnaire*
- *Annual Survey(s)*
- *Final Project Benefits Questionnaire*

**V. PROJECT SCHEDULE**

Please see the attached Excel spreadsheet.