

Office of Local Defense Community Cooperation

Department of Defense

Notice Of Award

1.FEDERAL AWARDING AGENCY	2.INSTRUMENT TYPE:
U.S. DEPARTMENT OF DEFENSE OFFICE OF LOCAL DEFENSE COMMUNITY COOPERATION 2231 CRYSTAL DRIVE, SUITE 520 ARLINGTON, VA 22202	Grant Agreement
	3.AWARD TYPE
	Non-Construction

4.TYPE OF ACTION:	5.FEDERAL AWARD DATE:
New Award	2021-08-31

6.AWARDED TO:	7.PRINCIPAL INVESTIGATOR
California Energy Commission 1516 9th St Ste MS5 Sacramento CA 95814 - 5504	Eli Harland Policy Advisor 1516 9th St Ste MS5 Eli.Harland@energy.ca.gov

8.UNIQUE ENTITY IDENTIFIER:	9.OLDCC AWARD NUMBER:
002540768	CU1345-21-01

10.FEDERAL AWARD IDENTIFICATION NUMBER:	11.PROGRAM TYPE:
HQ00052110053	Military Installation Sustainability

12.AMENDMENT NUMBER:	13.REGULATORY AUTHORITY:
	2 CFR 200

14.PERIOD OF PERFORMANCE:	15.STATUTORY AUTHORITY:
09/01/2021 - 02/28/2023	10. U.S. Code § 2391
	16.CFDA NUMBER AND TITLE:
	12.610 Community Economic Adjustment Assistance for Compatible Use and Joint Land Use Studies

17.TITLE AND DESCRIPTION:

18.BUDGET SUMMARY

	FEDERAL	NON-FEDERAL	TOTAL APPROVED BUDGET
PREVIOUSLY OBLIGATED	\$0	\$0	\$0
OBLIGATED BY THIS ACTION	\$846,799	\$99,957	\$946,756
INDIRECT COST RATE IS: 35	\$81,719	\$25,915	\$107,634
TOTAL OBLIGATED ON AWARD	\$846,799	\$99,957	\$946,756
GRANT TOTAL	\$846,799	\$99,957	\$946,756

19.FEDERAL AGENCY POINTS-OF-CONTACT

GRANTS MANAGEMENT SPECIALIST:	PROJECT MANAGER:
Frank Davis frank.a.davis68.ctr@mail.mil 703-697-2078	Margit Myers margit.a.myers.civ@mail.mil (703) 697-2119

20.TERMS AND CONDITIONS

The following terms and conditions are incorporated herein by reference with the same force and effect as if they were given in full text. Upon request the Federal awarding agency will make the full text available, or they can be found as described below.

The following documents may be found at:

<https://oea.gov/grant-management-administration>.

National Policy Requirements
General OLDCC Terms and Conditions
Program-Specific Terms and Conditions

Special Conditions

1. Prior to the disbursement of funds for sub-recipient activities under this award, the Grantee shall submit an executed agreement(s) for these activities with each sub-recipient.
2. The fixed, carry forward indirect cost rate of 35 percent of modified total direct costs negotiated with the U.S Department of Energy on April 10, 2020, for the period of July 1, 2020, through June 30, 2021, is accepted for the term of this award.

21.AWARD PERFORMANCE GOALS

REPORTING TYPE	FREQUENCY	DUE DATE
Performance Report	Quarterly	2021-12-31
Performance Report	Quarterly	2022-03-31
Performance Report	Quarterly	2022-06-30
Performance Report	Quarterly	2022-09-30
Federal Financial Report	Quarterly	2022-09-30
Performance Report	Quarterly	2022-12-31
Federal Financial Report	Quarterly	2023-06-30
Final Performance Report	Quarterly	2023-06-30

22.AFFIRMATION OF AWARD

By signing this agreement, the Authorized Representative assures that the recipient will carry out the project/program described in its application and will comply with the terms and conditions and other requirements of this award.

FOR THE RECIPIENT		FOR THE UNITED STATES OF AMERICA	
			
Name Title	Drew Bohan Exec Director	Date Signed	9/8/2021
		Patrick O'Brien Award Official	Date Signed 2021-08-31

Application for Federal Assistance SF-424			
1.Type of Submission:		2.Type of Application:	
<input type="checkbox"/> Preapplication <input checked="" type="checkbox"/> Application <input type="checkbox"/> Changed/Corrected Application		<input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision	
		* If Revision, select appropriate letter(s): <input type="text"/> * Other (Specify): <input type="text"/>	
3.Date Received:		2021-07-02 16:37:45	4.Applicant Identifier:
5a. Federal Entity Identifier:		NC2021-1755	5b.Federal Award identifier:
State use Only:			
6.Date Received by State:		7.State Application Identifier:	
8. APPLICANT INFORMATION:			
a.Legal Name:		Energy Resources, Conservation And Development Commission	
b. Employer/Taxpayer Identification Number(EIN/TIN):		68-0364962	c. Organizational DUNS: 002540768
d. Address:			
Street1:		1516 9th St Ste MS5	
Street2:			
City:		Sacramento	
County/Parish:			
State:		CA	
Province:			
Country:		United States	
Zip / Postal Code:		95814 - 5504	
e. Organizational Unit:			
Department Name:		Division Name:	
f. Name and Contact information of person to be contacted on matters involving this application:			
Prefix:		Mr.	First Name: Eli
Middle Name:			
Last name:		Harland	
Suffix:			
Title:		Policy Advisor	
Organization Affiliation:		California Energy Commission	
Telephone Number:		(916) 607-8676	Fax Number:
Email:		Eli.Harland@energy.ca.gov	

Application for Federal Assistance SF-424
9. Type of Applicant 1: Select Applicant Type:
A: State Government
Type of Applicant 2: Select Applicant Type:
Type of Applicant 3: Select Applicant Type:
Other (specify):
10.Name of Federal Agency:
Office of Local Defense Community Cooperation
11. Catalog of federal Domestic Assistance Number:
12.610
CFDA Title:
12.610 Community Economic Adjustment Assistance for Compatible Use and Joint Land Use Studies
12. Funding Opportunity Number:
Title:
13. Competition Identification Number:
Title:
14. Areas Affected by Project (Cities, Counties, States, etc.):
All coastal Counties and Cities North of San Francisco, CA, to Coos Bay, OR - including Federal waters
15. Descriptive Title of Applicant's Project:
Northern California & Southern Oregon Mission Compatibility and Transmission Infrastructure Assessment
Attach supporting documents as specified in agency instructions.:

16. Congressional Districts Of:			
a. Applicant		b. Program/Project	
Attach an additional list of Program/Project Congressional Districts if needed.			
17. Proposed Project:			
a. Start Date:		2021-09-01	b. End Date: 2023-02-28
18. estimated Funding (\$):			
a. Federal:		\$846,799	
b. Applicant:		\$99,957	
c. State:		\$0	
d. Local:		\$0	
e. Other:		\$0	
f. Program Income:		\$0	
g. TOTAL		\$946,756	
19. Is Application Subject to Review By State Under Executive Order 1372 Process?:			
<input type="checkbox"/> a. This application was made available to the State under the Executive Order 12372 Process for review on <input checked="" type="checkbox"/> b. Program is subject to E.O. 12372 but has not been selected by the State for review <input type="checkbox"/> c. Program is not covered by E.O. 12372.			
20. Is the Applicant Delinquent on Any Federal Debt? (If "Yes", provide explanation in attachment.)			
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
21. By signing this application, I certify (1) to the statements contained in the list of certifications** and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)			
<input checked="" type="checkbox"/> ** I AGREE			
** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.			
Authorized Representative:			
Prefix:		First Name: Drew	
Middle Name:			
Last name:		Bohan	
Suffix:			
Title:		Executive Director	
Organization Affiliation: California Energy Commission			
Telephone Number:		Fax Number:	
Email:		Drew.Bohan@energy.ca.gov	
Signature of the Authorized Representative:		Adrienne Winuk	Date Signed: 2021-08-13

Application Narrative

Use this section to describe the proposed project and justify the need for financial assistance. The Narrative should include the following sections, in the following order: Application Abstract; Introduction/Background; Need for Assistance; Project Goals and Objectives Related to OLDCC Mission; Results or Benefits Expected; Approach & Timeline; and Deliverables/Products. Each section is limited to 1,000 words, unless otherwise noted. Appendices, charts, maps and other illustrative materials may be attached to further describe the proposal.

Key Personnel

Name	Title	Email	Resume
Eli Harland	Electric Generation System Program Specialist	eli.harland@energy.ca.gov	Download

Contractor Services

Does this grant require use of contractor services?

Yes

Contractor Name	Description	Start Date	End Date	Scope of Work
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Sub Recipient

Do you anticipate awards to any sub recipients?

Yes

Provide details of sub award recipients

Oregon Department of Energy

Deliverables Instructions

Identify tangible products and/or other projected work program accomplishments Examples include, but are not limited to, Joint Land Use Study Final Report; Base Redevelopment Plan and Homeless Assistance Submission; Infrastructure Analysis and Recommended Improvements; Defense Industry Supply Chain Map; or Growth Management Plan

Grant Deliverable List

Name	Description	Deliverable Date
Interstate Project Plan	Project plan between CEC, ODOE and DOD: The project team will develop an interstate project plan that includes the key agreements, milestones, and roles of each entity. This subtask will be critical to ensuring that each of the primary project partners have a shared vision and understanding of the expectations for executing the project. The interstate project plan will be the key document that establishes the shared understanding for the roles and responsibilities of CEC, ODOE, and DOD; the identification of members of the Core Steering Group (CSG) and Technical Focus Group (TFG); the process for contractor selection and management; a description of how information will be gathered and shared; and, a detailed project schedule.	10/15/2021
Public Outreach Plan	In partnership with the contractor, the project team will carry out public and stakeholder outreach throughout the term of the project. The project team will consult with the CSG to develop a stakeholder and public outreach plan. Outreach would include engagement with the CSG, TFG, and other key stakeholders and public participants in California and Oregon, including the BOEM task force in each state.	12/30/2021
Part 1 Report, Maps and Geospatial Data	Data and Information Selection, Spatial Footprint, and Current Capabilities/Expandability	03/31/2022
Part 2 Report, Maps, and Geospatial Data	Offshore Wind Resource Assumptions and Scenario Development; Offshore and Onshore Infrastructure Options and Constraints; Estimated Distribution of Costs and Benefits	12/30/2022
Synthesis of Findings and Recommendations	Based on data derived and analyzed for this grant, contractor will synthesize and establish a framework of findings and recommendations for CEC and ODOE consideration. Recommendations will provide the basis for implementation and identify additional areas that may require subsequent assessment to support future implementation measures.	02/28/2023
Measures of Progress	Measures of Progress: - the outcomes arising from your engagement with the military installation and the number of interactions that occurred; - any deliverables from the project and their benefits for reducing impairments to the local mission or improvements to the resilience of the installation; and, - actions from the project that will be or have been carried out regardless of whether Federal funds are supporting it.	02/28/2023
Goals related to OLDCC mission instructions		
Assist state and local governments to address and prevent the encroachment of civilian communities from impairing the operational utility of military installations, Protect and preserve military readiness and defense capabilities while supporting continued community economic development		
Goals related to the OLDCC mission		

Assist California, Oregon and local governments to address and prevent the encroachment of incompatible renewable energy projects from adversely impacting DOD readiness and defense capabilities in Northern California and Southern Oregon, while supporting continued community economic development, enhancing civilian and military communication, collaboration, and partnership.

The primary goal of this project is to provide data, mapping and technical analysis to support continued partnership with, and promote early consultation with, the Department of Defense and OSD Clearinghouse to prevent incompatible renewable energy projects within critical DOD operational areas that have the potential to adversely impact DoD's testing, training and military operations. Consistent with OLDCC's goals for the Military Installation Sustainability Program, the project will develop a detailed technical analysis for transmission infrastructure limitations and opportunities, map existing transmission infrastructure and provide technical data & assistance documents to allow State governments and renewable energy developers information to identify areas that are best suited for proposed development.

In addition to the compatibility and transmission assessment goals of this project, the activities surrounding this project will promote a greater public understanding of military missions and foster enhanced communication between civilian and military leaders.

CAGE Code: 0

California and Oregon are continuing on their paths toward transitioning to a cleaner, low carbon future. In March 2016, the passage of Oregon Senate Bill 1547 increased Oregon's Renewable Portfolio Standard requirement to 50% renewables by 2040, and in September 2018, California's passage of Senate Bill 100 committed the state to 100% clean energy by 2045.

Currently, existing transmission infrastructure resides proximate to, and within, key Department of Defense (DoD) operational areas of the Northwest Training Range Complex offshore along the Oregon and Washington coast, China Lake Testing Range Complex in the Mohave Desert, the El Centro Range Complex in southern California, and the offshore ranges in southern and central California. Commercial development of energy projects has the potential to affect unique DoD activities and military readiness. As such, additional and refined transmission planning in areas with less congested DoD operations, and with greater likelihood of mission compatibility, is necessary.

The purpose of this initiative is to provide a clear understanding of existing electricity infrastructure within the defined area of interest and to deliver key characteristics to enable decision makers to plan and manage U.S. energy grid scenarios supporting the transition from a fossil-fueled central generation model to a more diversified power generation portfolio compatible with the DoD mission. Because decision makers for the planning and management of the Oregon power grid are broad and diffuse, broad stakeholder identification and thorough stakeholder involvement will be critical to the success of this project.

The grant area is defined by a network of DOD operational areas utilized by military installations in CA and OR for testing and training requirements from Cape Mendocino, CA to Coos Bay, OR, including both onshore and offshore military operational areas. The project will be broken into two parts;

Part 1 of the project will map and attribute existing energy infrastructure to provide accurate picture of energy landscape and, at minimum, detail the following:

1. Spatial Footprint - Perform data acquisition, remote sensing, surveying, and mapping to capture and illustrate current power infrastructure. This should document features such as:
 - a. Energy generation facilities by type, configuration, and output capability;
 - b. Easements;
 - c. Transmission and distribution systems; and
 - d. Energy storage facilities.
2. Capable Capacity as technically rated for transmission and energy storage.
3. Available Capacity as measured through power flow, and where feasible, the contractually reserved capacity for transmission and energy storage. Contingent on publicly available data and data sharing from transmission owners and operators.
4. Expandability – Document potential to expand and/or upgrade current infrastructure and present maximum capability within existing rights-of-way and project footprints. Describing necessary infrastructure and cost and potential retrofit engineering and design.
5. Energy Generation Types (including standalone energy storage) and Sources

Part 2 will involve Infrastructure Scenarios to accommodate a range of scales of power generation. Scenarios will provide conceptual and quantitative frameworks to describe and assess how different geographic assumptions for developing offshore energy resources contribute to electricity supply for California, Oregon, and the broader Western region. Each scenario should quantify materials and manufacturing requirements, human and financial resource needs, placement recommendations and constraints, and environmental impacts that come with expanding infrastructure necessary to deliver offshore electricity generation. These scenarios should use qualitative analysis, quantitative assumptions, and computational models of the energy, economic, and/or electricity systems and attempt to integrate the environmental, technologic, economic, and deployment-related elements into an internally consistent analytical framework.

Support from OLDCC is needed to assist California complete efforts outlined for Part 1 & 2 of this project. With robust renewable energy goals by CA & OR, increased demand for clean energy generating projects will gravitate towards existing commercial scale (ie. 500KV/High Voltage) transmission infrastructure existing within key DOD operational areas and assets residing in Central and Southern Regions of CA.

Failure to understand transmission infrastructure limitations and capacity in Northern California and Southern Oregon will continue to place incompatible renewable energy projects within key DOD operational areas that can result in adverse operational impacts to DOD's readiness posture, to include, but not limited to, impacts to communications and frequency interference, vertical obstruction of airspace in low-level military training routes, and radar interference that degrades the accuracy and reliability of aircraft surveillance radars (ASRs) and western defense systems.

Grant Abstract

Renewable energy goals by California & Oregon are increasing demand for clean energy generating projects in existing commercial scale transmission infrastructure within key DOD operational areas and assets residing in Central and Southern Regions of California. The California Energy Commission efforts will assess compatible energy siting by accurately detail existing electric infrastructure, to include generation, transmission, and distribution systems, within an area of interest bounded north of Coos Bay, Oregon to Mendocino, California. The infrastructure will be mapped and evaluated for generation type and source, available capacity, and capable capacity to serve the present and future needs to meet renewable portfolio and clean energy standards, and future demand growth expectations. The study will also provide detailed scenarios for different levels of potential offshore wind development based on geographic extent and the ability to deliver energy to California Oregon, and the broader Western grid that could scale within the area of interest. The scenarios will provide assumptions, methodologies, options, and recommendations to include type, configuration, route, load distribution, and estimated cost.

This transmission infrastructure analysis will allow for early identification of potential conflicts with military testing and training and the siting of renewable energy projects. The project looks to build upon existing efforts currently underway in California and Oregon for mission compatibility.

Results or Benefits Expected

The requested funding will benefit the state, local governments, the military, renewable energy developers, and the public by providing a detailed technical transmission infrastructure analysis that will facilitate a greater understanding of renewable energy opportunities, transmission infrastructure opportunities & challenges, while also educating external agencies of DOD's testing, training and operations. This transmission infrastructure analysis will allow for early identification of potential conflicts with military testing and training and the siting of renewable energy projects. The project looks to build upon existing efforts currently underway in California and Oregon for mission compatibility.

Approach and Timeline

The project will occur in two parts. Part 1 will create a baseline characterization of existing infrastructure and information, including a geodatabase, and Part 2 will develop infrastructure scenarios to accommodate a range of floating offshore wind energy development in federal waters off California and Oregon. Part 1 and Part 2 will be layered so that the baseline information developed in Part 1 informs the analyses in Part 2.

Part 1 and Part 2 will result in new technical information, analyses, and cost estimates to deliver energy from offshore wind to California, Oregon, and the greater western grid. Currently, there is limited transmission capability in both Northern California and Oregon to deliver significant scales of offshore wind. California and Oregon are currently involved in processes to assess offshore wind resources and this grant will provide critical information to better understand how the offshore wind resources that both states are assessing could deliver renewable energy to the electric grid. With California's overarching goal of protecting the military mission in California and attaining the state's and DoD's energy goals and energy security, the project will develop necessary information and establish potential options for developing offshore wind energy from Northern California and Oregon

to advance the stated goals of sustaining and enhancing the military mission while achieving long-term energy goals. The project also aligns with many goals of the Oregon Department of Energy (ODOE), such as: collecting data and information on offshore wind and transmission infrastructure, sharing of data and the involvement of stakeholders from ODOE's ORESA study, supporting the BOEM process for identifying offshore wind call areas, and providing technical support on Oregon energy issues. The CEC will be responsible for implementing Part 1 and Part 2 with advisement from the Oregon Department of Energy (ODOE) and DoD. The CEC, with input from ODOE, will establish a project structure that allows for input from both California and Oregon stakeholders as well as a flow of information that will be critical to successfully completing Part 1 and Part 2. The bulk of work envisioned for Part 1 and Part 2 will require technical capabilities that the CEC will need to contract for and the CEC, with input from ODOE, will design a bid process consistent with California state law, select a contractor, and provide technical guidance and key information to the contractor.

The project will emphasize building upon existing coordination with stakeholders, including but not limited to the BOEM-CA task force and the BOEM-OR task force. The CEC and ODOE will work collaboratively to ensure public and stakeholder outreach in both CA and OR is a part of the work effort, especially the analyses developed in Part 2.

Promotion of Compatible Siting:

Commercial development of floating offshore wind energy projects, especially in areas with multiple DoD operations, has the potential to affect unique DoD activities and military readiness. The project will promote compatible development of energy projects through additional and refined transmission planning in areas with less congested DoD operations, and with greater likelihood of mission compatibility. Currently, existing transmission infrastructure resides proximate to, and within, key DoD operational areas of the Northwest Training Range Complex offshore along the Oregon and Washington coast, China Lake Testing Range Complex in the Mohave Desert, the El Centro Range Complex in southern California, and the offshore ranges in southern and central California.

Incorporate Existing Efforts:

The project will integrate and utilize existing mapping and data for assessing floating offshore wind energy development, including data developed in partnership with the Bureau of Ocean Energy Management (BOEM) for the California Offshore Wind Energy Gateway (<https://caoffshorewind.databasin.org/>) and the Oregon Offshore Wind Mapping Tool (<https://offshorewind.westcoastoceans.org/>). Data sharing and data maintenance costs will be eligible to receive funding to cover costs related to sharing existing data, adding new data, and updating and maintaining data throughout the term of the grant. Following completion of the grant, the data and information developed during the study will be maintained and made available by the CEC. To this end, this project will align ongoing BOEM Task Force outreach efforts currently underway with California and Oregon to avoid duplication of efforts, while maximizing synergy and information alignment with stakeholders.

Additionally, the project will build upon and add to the North Coast Offshore Wind Studies completed by Humboldt State University's Schatz Energy Research Center (HSU/Schatz). HSU/Schatz analyzed alternative transmission pathways to deliver up to 1.8 GW of offshore wind energy from the Humboldt Call Area to load centers in California, including two subsea concepts and two terrestrial concepts. This project will expand upon HSU/Schatz by assessing greater assumptions for offshore wind energy development, assessing alternative delivery scenarios (including a high voltage subsea cable off the coast of CA and OR), and performing a more in-depth transmission analysis.

The project will also be supplemented by the CAISO's 2021-2022 Transmission Planning Process (TPP). The TPP is an important planning process as part of the state's long-term energy infrastructure planning. The CAISO plans to study the bulk transmission system impacts of integrating offshore wind, including offshore wind developed off the North Coast of CA. However, the TPP will only look at potential system impacts and solutions within CA and Part 2 of this project will look beyond the grid in CA. Part 2 of this project will benefit from the input of the CAISO, while also filling an important gap in the current state of knowledge about the potential transmission infrastructure solutions outside of the CAISO system that could deliver significant scales of offshore wind energy.

This project will also consider and build upon offshore wind and transmission studies performed by national labs, such as NREL and PNNL, that are relevant to California, Oregon, and the West Coast. Relevant studies and work products include those that are already completed, in process, or yet to commence. When possible, the project should also consider any relevant offshore wind and transmission work performed by Oregon utilities and the Oregon Public Utility Commission (OPUC), Bonneville Power Administration (BPA), the Northwest Planning and Power Council (NWPCC), the Western Electricity Coordinating Council (WECC), or NorthernGrid.

Project Parties:

Given the complexities of doing an interstate assessment of transmission infrastructure, the CEC and ODOE will work closely together to identify and establish project partners from each state that will be involved in Part 1 and Part 2 of the project. The CEC and ODOE in consultation with DOD will develop an interstate project plan to support the successful implementation of the tasks in the project scope of work.

CEC will be responsible for hiring a contractor through a bid process consistent with state law and will collaborate with ODOE on the solicitation and selection of a contractor. The CEC, ODOE, and the contractor, working with the DoD, will identify military personnel at individual bases who may want and need to be involved in the project. The CEC and ODOE will work with the consultant to establish a Core Steering Group (CSG) and a Technical Focus Group (TFG) to help guide and provide input on the project.

Stakeholder and Public Outreach:

The Core Steering Group (CSG) is a critical component to project success and the responsibility of the CSG is to provide key input, data, and guidance to the project. The CSG is important for developing and maintaining relationships between key stakeholders, interested community members, and the selected contractor. In partnership with the contractor and with ODOE as an advisor, the CEC will establish and manage the CSG, which will include but not be limited to, invitations to participants from each of the Project Parties (above), the WECC, electric utilities from each state, balancing authorities from each state, etc. From CA, the invitations will be made to participate in the CSG to: CEC, CPUC, OPR, OPC, SLC, CCC, CAISO, HSU/Schatz. From OR, invitations will be made to participate in the CSG to: ODOE, OPUC, DLCD, DSL, OSU-INR. The CEC and ODOE will also work to identify key federal partners to invite to participate in the CSG, including but not limited to: DoD, BOEM, NOAA, BPA and NWPCC.

The Technical Focus Group (TFG) will provide the technical expertise, feedback, and real-world experience required to ensure that the work and deliverables defined in the scope of work for the project meet technical standards. In partnership with the CEC, and with ODOE as an adviser, the contractor will establish and manage the TFG, which will include invitations to technical staff representatives from the CSG organizations identified above as well as other entities that the contractor, CEC, and ODOE identify as important technical experts.

In addition to the communication with the CSG and TFG, the CEC and ODOE will work with the contractor to prepare for and facilitate public and stakeholder meetings and prepare for and attend public meetings or other meetings that are important to keeping the public and stakeholders up-to-date on the progress of the project. The contractor will work with the CEC and ODOE and the CSG to create and implement a public and stakeholder outreach plan. Outreach in CA and OR will include, but not be limited to outreach to the BOEM renewable energy task force in each state, to local communities, state and federal land managers, private industry (power producers and transmission developers) and tribes from within the study area.

Military Involvement: CEC, in collaboration and partnership with ODOE, DOD's Pacific Coast Coordinator and the OSD Clearinghouse, will ensure seamless incorporation of DOD compatibility concerns for military testing and training are addressed within each aspect and deliverable for this project.

Project Schedule:

The overall goal is to complete the project within 18-months. The goal is to bid consistent with state contracting laws to award a contract within 6-months of the start of the project. The project team will finish Part 1 within 9-months of executing an agreement with the contractor, and finish Part 2 within 9-months of completing Part 1. The layered approach to Part 1 and Part 2 is meant to ensure an accurate baseline is developed in Part 1 before transmission options and alternatives are considered in Part 2.

Project Milestones for Tasks:

Task 1.0 Project Administration, Contractor Selection, and Stakeholder/Public Outreach

- Project plan between the interstate project team (CEC, ODOE and key agencies, as appropriate) - end of Month 1
- Contractor selected - end of Month 6
- Stakeholder/Public Outreach - through Month 18
- Project Administration - through Month 18

Part 1- Existing Infrastructure Mapping and Documentation

Task 2.0 Data and Information Selection, Spatial Footprint, and Current Capabilities/Expandability

- Data acquisition - end of Month 8
- Document spatial footprint - end of Month 9
- Document Current Capabilities/Expandability – end of Month 9

Part 2- Infrastructure Scenarios

Task 3.0 Offshore Wind Resource Assumptions and Scenario Development

- Data acquisition of existing resources- end of Month 10
- Scenario options and ranges- end of Month 12

Task 4.0 Offshore and Onshore Infrastructure Options and Constraints

- Use scenarios from Task 3 and expandability from Task 3 to develop infrastructure options, including a subsea transmission option- end of Month 13
- Evaluate the constraints to the infrastructure options- end of Month 15

Task 5.0 Estimated Distribution of Costs and Benefits

- Develop a decision framework for computing how costs and benefits of the scenarios are distributed within the study area- end of Month 15
- Compute the costs and benefits of the scenario options for the study area - end of Month 16
- Document Part 2 findings in final project report- end of Month 17

Task 6.0 Findings and Recommendations

- Synthesize data and create a framework of findings- end of Month 16
- Make final recommendations for consideration by CEC and ODOE - end of Month 17

Scope of Work/Work Program

Task 1.0 Project Administration, Contractor Selection, and Stakeholder/Public Outreach

Subtask 1.1 Project plan between CEC, ODOE and DOD: The project team will develop an interstate project plan that includes the key agreements, milestones, and roles of each entity. This subtask will be critical to ensuring that each of the primary project partners have a shared vision and understanding of the expectations for executing the project. The interstate project plan will be the key document that establishes the shared understanding for the roles and responsibilities of CEC, ODOE, and DOD; the identification of members of the Core Steering Group (CSG) and Technical Focus Group (TFG); the process for contractor selection and management; a description of how information will be gathered and shared; and, a detailed project schedule.

Subtask 1.2 Contractor selection: Using the interstate project plan, the project team will collaborate to bid following state contracting laws to award the contract. The contractor will be selected by the CEC according to the rules governing the CEC's procurement process. The project team will evaluate potential contractors and make recommendations to the CEC for selection. The CEC will have the ultimate responsibility for making final contractor selection and entering into agreement with the contractor.

Subtask 1.3 Stakeholder and public outreach: In partnership with the contractor, the project team will carry out public and stakeholder outreach throughout the term of the project. The project team will consult with the CSG to develop a stakeholder and public outreach plan. Outreach would include engagement with the CSG, TFG, and other key stakeholders and public participants in California and Oregon, including the BOEM task force in each state.

Subtask 1.4 Project Administration: The purpose of this subtask is to capture the necessary work to be performed to administer the grant, including project management, reporting, and invoicing.

Task 2.0 Data and Information Selection, Spatial Footprint, and Current Capabilities/Expandability

•Subtask 2.1 Data acquisition: With direction from the interstate project team, the contractor will acquire the data and information necessary to document the existing condition of the study area, including current and approved and/or in interconnection queues but not yet constructed infrastructure within the study area. This will include data and information to document features such as:

- a. Energy generation facilities by type, configuration, and output capability;
- b. Easements and rights-of-way;
- c. Substation, transmission and distribution systems;
- d. Energy storage facilities, and;
- e. Other data and information deemed necessary by the interstate project team to document current conditions of the study area.

•Subtask 2.2 Document spatial footprint: With direction from the interstate project team, and where possible, the contractor will document the spatial footprint in map format using GIS, of the data and information gathered in Subtask 2.1. The CEC will add the completed spatial data and related information to the California Statewide Energy Gateway: <https://caenergy.databasin.org/>

All geospatial data used and developed for this project will be submitted to OEA in either the Esri File Geodatabase format (*.gdb) or Esri Shapefile format (*.shp). Regardless of the geospatial data format, all geospatial data will include metadata in either the ISO 19139 Metadata Implementation Specification style or the SDSFIE-M style. Metadata records for each dataset will include the minimum required information per metadata style written within the organization's preferred metadata editor software; e.g., Esri's ArcCatalog. For reference purposes only, see SDSFIE Online (<https://www.sdsfieonline.org/>) for more information on geospatial data structures and metadata requirements. Additionally, the CEC will add the completed spatial data and related information to the California Statewide Energy Gateway: <https://caenergy.databasin.org/>.

•Subtask 2.3. Current Capabilities/Expandability: With direction from the interstate project team, the contractor will document the capabilities of the current infrastructure in the study area to integrate new renewable energy resources off the coast of Northern California and Oregon. The contractor will rely on existing studies investigating the capability of existing infrastructure and synthesize those studies into an analysis that assess and documents the existing information in a single report. With direction from the interstate project team, the contractor will also identify and synthesize existing information describing previously identified infrastructure expandability options to integrate renewable energy resources off the coast of Northern California and Oregon.

Task 3.0 Offshore Wind Resource Assumptions and Scenario Development: With direction from the interstate project team, the contractor will develop a range of assumptions for offshore wind energy development that are scaled according to different

- geographic scenarios and that take into account different clean energy goals and priorities of different states. Scenarios to encompass:
- a. California and Oregon (low-end of the range)- this scenario would assume that offshore wind in the study area is developed at a scale to contribute to the clean energy goals of California and Oregon.
 - b. California and states in the Pacific Northwest (middle of the range)- this scenario would assume that offshore wind in the study area is developed at a scale that contributes to the clean energy goals of California and states in the Pacific Northwest.
 - c. California and states in the WECC (high-end of the range)- this scenario would assume that offshore wind in the study area is developed at a scale that contributes to the clean energy goals of California and states in the WECC.

Task 4.0 Offshore and Onshore Infrastructure Options and Constraints

Subtask 4.1 Infrastructure options: With direction from the interstate project team, the contractor will use the assumptions developed in Task 3 to create conceptual infrastructure expansion options, offshore and onshore and including a subsea transmission option, to integrate the resources for each of the scenarios described, building off of the existing conditions developed in Task 2. The contractor will describe these options in a report and in a map format.

•Subtask 4.1. Infrastructure constraints: With direction from the interstate project team, the contractor will evaluate and document the constraints for developing the infrastructure options. The anticipated constraints that the contractor will evaluate include ocean and land use, environmental conditions, regulatory challenges, existing market systems, and other constraints to developing the conceptual infrastructure options as directed by the interstate project team.

Task 5.0 Estimated Distribution of Costs and Benefits:

- Subtask 5.1 Decision framework: With direction from the interstate project team, the contractor will develop a decision framework for determining how costs and benefits of the scenarios are distributed within the study area. This will include using quantitative and qualitative methods, including capacity expansion and production cost models and power flow analyses.
- Subtask 5.1 Computation: The contractor will compute the costs and benefits of the scenario options for the study area and document the findings in a report.

Task 6.0 Findings and Recommendations:

Based on data derived and analyzed for this grant, contractor will synthesize and establish a framework of findings and recommendations for CEC and ODOE consideration. Recommendations will provide the basis for implementation and identify additional areas that may require subsequent assessment to support future implementation measures.

Please attach any additional supporting documents (PDF Only)

CA-OR_map.pdf

615.8 KB - 07/20/2021 02:22

Total Files: 1

Budget

Budget Justification Files

Please upload the budget justification for this grant application. ***PDF Files Only***

Budget_Justification_for_OLDCC_grant_to_upload_v2.pdf

163.9 KB - 07/20/2021 01:15

Salary and Fringe

Position	OLDCC Salary	Non-Federal Salary	OLDCC Fringe	Non-Federal Fringe	Total Salary	Total Fringe	Total
Electric Generation Systems Program Specialist I	\$19,472	\$0	\$8,813	\$0	\$19,472	\$8,813	\$28,285
Electric Transmission Systems Program Specialist II	\$21,042	\$0	\$9,523	\$0	\$21,042	\$9,523	\$30,565
Electric Generation Systems Program Specialist III	\$0	\$23,293	\$0	\$10,542	\$23,293	\$10,542	\$33,835
Supervisor of the Siting, Transmission, and Environmental Protection Division Administrative Office	\$0	\$9,237	\$0	\$4,180	\$9,237	\$4,180	\$13,417
Staff Services Manager II	\$0	\$7,517	\$0	\$3,402	\$7,517	\$3,402	\$10,919
Attorney III	\$0	\$10,926	\$0	\$4,945	\$10,926	\$4,945	\$15,871
	\$40,514	\$50,973	\$18,336	\$23,069	\$91,487	\$41,405	\$132,892

Total Personnel

	OLDCC Funds	Non-Federal Funds	Total
Total Salaries + Fringe Benefits	\$58,850	\$74,042	\$132,892

Travel

Description	Local/Out-of-Area	OLDCC Funds	Non-Federal Funds	Total
Department of Defense symposium	Out-of-Area	\$3,140	\$0	\$3,140
Department of Defense symposium	Out-of-Area	\$3,140	\$0	\$3,140
Project area/related travel (5 trips)	Local	\$9,950	\$0	\$9,950
		\$16,230	\$0	\$16,230

Equipment

Description	OLDCC Funds	Non-Federal Funds	Total
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Supplies

Description	OLDCC Funds	Non-Federal Funds	Total
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Other Costs

Description	OLDCC Funds	Non-Federal Funds	Total
Sub award to Oregon DOE	\$45,000	\$0	\$45,000
	\$45,000	\$0	\$45,000

Subtotal Operations

	OLDCC Funds	Non-Federal Funds	Total
SUBTOTAL OPERATIONS	\$120,080	\$74,042	\$194,122

Contractual

Description	OLDCC Funds	Non-Federal Funds	Total
Contractor selection following state contracting laws to award the contract.	\$645,000	\$0	\$645,000
	\$645,000	\$0	\$645,000

Total Direct Costs

	OLDCC Funds	Non-Federal Funds	Total
Total Direct Costs	\$765,080	\$74,042	\$839,122

Indirect

Description	OLDCC Funds	Non-Federal Funds	Total
Salaries + Fringe and first 25% of contractor award and sub award rate is 35%	\$81,719	\$25,915	\$107,634
	\$81,719	\$25,915	\$107,634

Grand Total

	OLDCC Funds	Non-Federal Funds	Total
Grand Total	\$846,799	\$99,957	\$946,756

BUDGET INFORMATION - Non-Construction Programs

OMB Number: 4040-0006
Expiration Date: 01/31/2019

Section A - Budget Summary

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. Compatible use	12.610	\$0.00	\$0.00	\$846,799.00	\$99,957.00	\$946,756.00
2.		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3.		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4.		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5. Totals		\$0.00	\$0.00	\$846,799.00	\$99,957.00	\$946,756.00

Standard Form 424A (Rev. 7- 97)
Prescribed by OMB (Circular A -102) Page 1

Section B - Budget Categories

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	Federal Grant Program, Function or Activity (1)	Non Federal Grant Program, Function or Activity (2)	(3)	(4)	
a. Personnel	\$40,514.00	\$50,973.00			\$91,487.00
b. Fringe Benefits	\$18,336.00	\$23,069.00			\$41,405.00
c. Travel	\$16,230.00	\$0.00			\$16,230.00
d. Equipment	\$0.00	\$0.00			\$0.00
e. Supplies	\$0.00	\$0.00			\$0.00
f. Contractual	\$645,000.00	\$0.00			\$645,000.00
g. Construction	\$0.00	\$0.00			\$0.00
h. Other	\$45,000.00	\$0.00			\$45,000.00
i. Total Direct Charges (sum of 6a-6h)	\$765,080.00	\$74,042.00			\$839,122.00
j. Indirect Charges	\$81,719.00	\$25,915.00			\$107,634.00
k. TOTALS (sum of 6i and 6j)	\$846,799.00	\$99,957.00			\$946,756.00
7. Program Income	\$0.00	\$0.00			\$0.00

Section C - Non-Federal Resources

(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e) TOTALS
8.	\$0.00	\$0.00	\$0.00	\$0.00
9.	\$0.00	\$0.00	\$0.00	\$0.00
10.	\$0.00	\$0.00	\$0.00	\$0.00
11.	\$0.00	\$0.00	\$0.00	\$0.00
12. TOTAL (sum of lines 8-11)	\$0.00	\$0.00	\$0.00	\$0.00

Section D - Forecasted Cash Needs

	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14. Non-Federal	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15. TOTAL (sum of lines 13 and 14)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

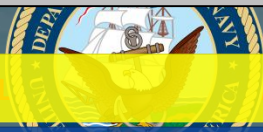
Section E - Budget Estimates of Federal Funds Needed for Balance of The Project

(a) Grant Program	FUTURE FUNDING PERIODS (YEARS) SECTION			
	(b) First	(c) Second	(d) Third	(e) Fourth \$
16.	\$0.00	\$0.00	\$0.00	\$0.00
17.	\$0.00	\$0.00	\$0.00	\$0.00
18.	\$0.00	\$0.00	\$0.00	\$0.00
19.	\$0.00	\$0.00	\$0.00	\$0.00
20. TOTAL (sum of lines 16 - 19)	\$0.00	\$0.00	\$0.00	\$0.00

Section F - Other Budget Information

21. Direct Charges:	22. Indirect Charges:
23. Remarks:	

North of San Francisco to Coos Bay – Less Congested DOD Operations



int

DoD Equity Areas

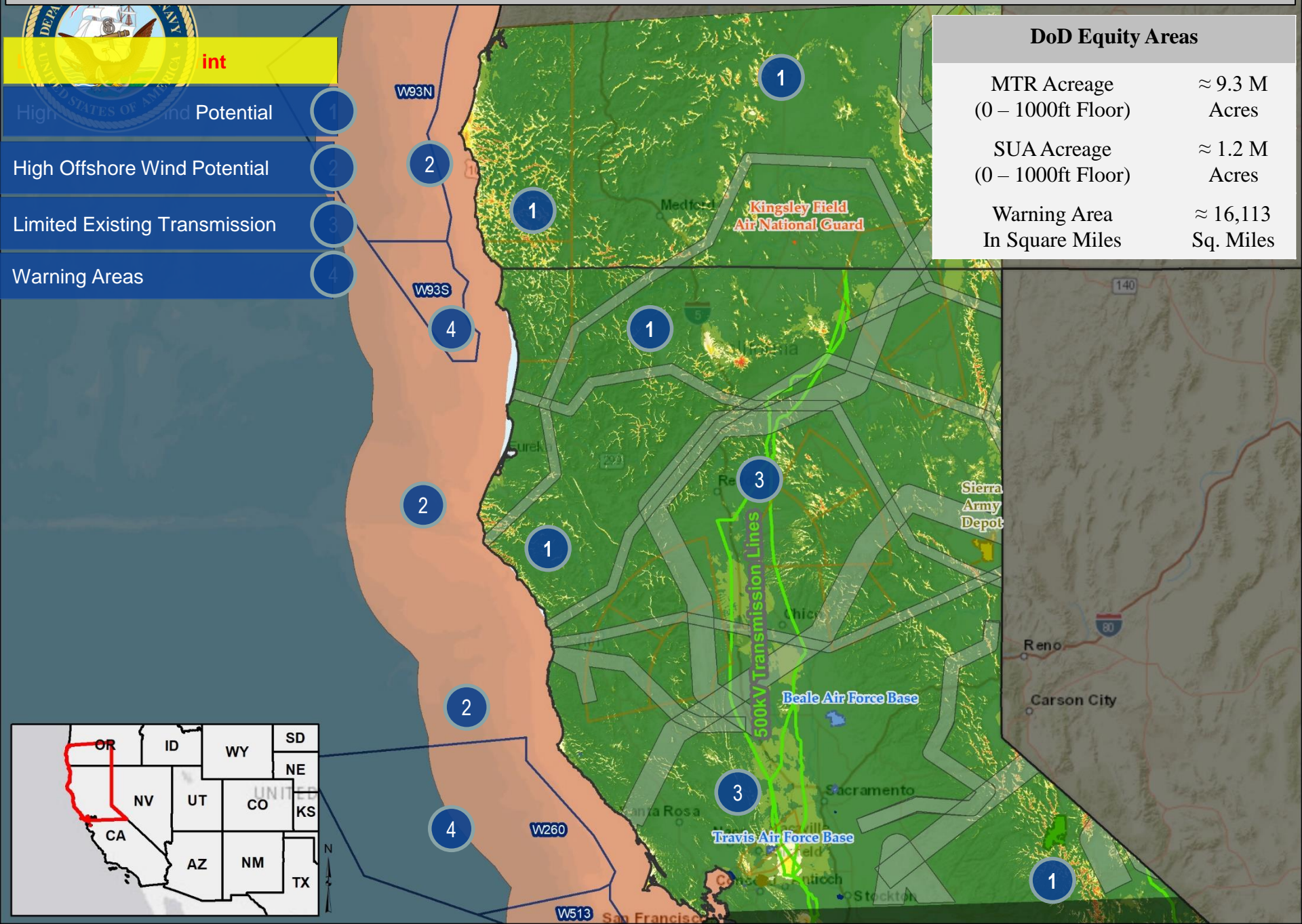
MTR Acreage (0 – 1000ft Floor)	≈ 9.3 M Acres
SUA Acreage (0 – 1000ft Floor)	≈ 1.2 M Acres
Warning Area In Square Miles	≈ 16,113 Sq. Miles

High Offshore Wind Potential

High Offshore Wind Potential

Limited Existing Transmission

Warning Areas



DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352

Approved by OMB

0348-0046

(See reverse for public burden disclosure.)

1. Type of Federal Action: <input type="checkbox"/> a. contract <input type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance		2. Status of Federal Action: <input type="checkbox"/> a. bid/offer/application <input type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award		3. Report Type: <input type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change For Material Change Only: year _____ quarter _____ date of last report _____	
4. Name and Address of Reporting Entity: <input type="checkbox"/> Prime <input type="checkbox"/> Subawardee Tier _____, if known: Congressional District, if known:			5. If Reporting Entity in No. 4 is a Subawardee, Enter Name and Address of Prime: Congressional District, if known:		
6. Federal Department/Agency:			7. Federal Program Name/Description: CFDA Number, if applicable: _____		
8. Federal Action Number, if known:			9. Award Amount, if known: \$ _____		
10. a. Name and Address of Lobbying Registrant (if individual, last name, first name, MI):			b. Individuals Performing Services (including address if different from No. 10a) (last name, first name, MI):		
11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.			Signature: _____ Print Name: _____ Title: _____ Telephone No.: _____ Date: _____		
Federal Use Only:				Authorized for Local Reproduction Standard Form LLL (Rev. 7-97)	

INSTRUCTIONS FOR COMPLETION OF SF-LLL, DISCLOSURE OF LOBBYING ACTIVITIES

This disclosure form shall be completed by the reporting entity, whether subawardee or prime Federal recipient, at the initiation or receipt of a covered Federal action, or a material change to a previous filing, pursuant to title 31 U.S.C. section 1352. The filing of a form is required for each payment or agreement to make payment to any lobbying entity for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with a covered Federal action. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

1. Identify the type of covered Federal action for which lobbying activity is and/or has been secured to influence the outcome of a covered Federal action.
2. Identify the status of the covered Federal action.
3. Identify the appropriate classification of this report. If this is a followup report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last previously submitted report by this reporting entity for this covered Federal action.
4. Enter the full name, address, city, State and zip code of the reporting entity. Include Congressional District, if known. Check the appropriate classification of the reporting entity that designates if it is, or expects to be, a prime or subaward recipient. Identify the tier of the subawardee, e.g., the first subawardee of the prime is the 1st tier. Subawards include but are not limited to subcontracts, subgrants and contract awards under grants.
5. If the organization filing the report in item 4 checks "Subawardee," then enter the full name, address, city, State and zip code of the prime Federal recipient. Include Congressional District, if known.
6. Enter the name of the Federal agency making the award or loan commitment. Include at least one organizational level below agency name, if known. For example, Department of Transportation, United States Coast Guard.
7. Enter the Federal program name or description for the covered Federal action (item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans, and loan commitments.
8. Enter the most appropriate Federal identifying number available for the Federal action identified in item 1 (e.g., Request for Proposal (RFP) number; Invitation for Bid (IFB) number; grant announcement number; the contract, grant, or loan award number; the application/proposal control number assigned by the Federal agency). Include prefixes, e.g., "RFP-DE-90-001."
9. For a covered Federal action where there has been an award or loan commitment by the Federal agency, enter the Federal amount of the award/loan commitment for the prime entity identified in item 4 or 5.
10. (a) Enter the full name, address, city, State and zip code of the lobbying registrant under the Lobbying Disclosure Act of 1995 engaged by the reporting entity identified in item 4 to influence the covered Federal action.

(b) Enter the full names of the individual(s) performing services, and include full address if different from 10 (a). Enter Last Name, First Name, and Middle Initial (MI).
11. The certifying official shall sign and date the form, print his/her name, title, and telephone number.

According to the Paperwork Reduction Act, as amended, no persons are required to respond to a collection of information unless it displays a valid OMB Control Number. The valid OMB control number for this information collection is OMB No. 0348-0046. Public reporting burden for this collection of information is estimated to average 10 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0046), Washington, DC 20503.

Budget Justification

GRANT PERIOD: Start: September 2021 End: Feb 2023

ORGANIZATION: State of California, California Energy Commission (CEC)

1. **Personnel** (Federal: \$40,514 / Non-federal: \$50,973)

Electric Generation Systems Program Specialist I, CEC

(Federal: \$19,472/ Non-federal: \$0.00)—10% FTE

Eli Harland, Electric Generation Systems Program Specialist will co-lead the project development team with Jim Bartridge at CEC and will work with the Oregon Department of Energy (ODOE) and the hired consultant to support the successful execution of the grant activities and deliverables.

Specific to this proposal, Eli Harland will share these responsibilities throughout the grant period:

- Support the successful execution of the grant.
- Lead the competitive bid and hiring process for the consultant.
- Execute the contract with the selected consultant.
- Approve required programmatic and financial reports as required by DoD/OLDCC.
- Identify State resources that may be complementary to project efforts and support collaboration to increase project success.
- Co-lead the Core Steering Group and Technical Focus Group identified in the grant proposal to ensure alignment with state energy and military affairs goals.
- Provide administrative support, conduct monthly calls with ODOE, and schedule regular meetings with the project team at the competitively selected consultant firm.
- Prepare progress reports with input from the consultant and submit to OLDCC as required.
- Act as the fiscal agent for the duration of the grant.

For the purposes of this grant application, Eli Harland is designated as key personnel.

Electric Transmission Systems Program Specialist II, CEC

(Federal: \$21,042 / Non-federal: \$0.00)—10% FTE

Jim Bartridge, Electric Transmission Systems Program Specialist at the CEC, will co-lead the project development team with Eli Harland at CEC and will work with ODOE and the hired consultant to support the successful execution of the grant activities and deliverables.

Specific to this proposal, Jim Bartridge will share these responsibilities throughout the grant period:

- Support the successful execution of the grant.
- Lead the competitive bid and hiring process for the consultant.
- Execute the contract with the selected consultant.
- Approve required programmatic and financial reports as required by DoD/OLDCC.
- Identify State resources that may be complementary to project efforts and support collaboration to increase project success.
- Co-lead the Core Steering Group and Technical Focus Group identified in the grant proposal to ensure alignment with state energy and military affairs goals.
- Provide administrative support, conduct monthly calls with ODOE, and schedule regular meetings with the project team at the competitively selected consultant firm.
- Prepare progress reports with input from the consultant and submit to OLDCC as required.

Electric Generation Systems Program Specialist III, CEC (Federal: \$0.00 / Non-federal: \$23,293)—10% FTE

Scott Flint, Electric Generation Systems Program Specialist at the California Energy Commission, will be providing technical assistance and knowledge to the project team given his technical and policy experience with energy siting and transmission, and offshore wind energy planning in California. This will give the project team, the consultant, and the public a designated point of contact for the energy components of this project. Having representation from CEC ensures alignment between the project and the state's energy goals and leverages existing energy data and information to maximize project resources.

Supervisor of the Siting, Transmission, and Environmental Protection Division Administrative Office, CEC (Federal: \$0.00 / Non-federal: \$9,237)—5% FTE

Specific to this grant, Kyle Emigh is responsible for the following activities throughout the grant period:

- Performing grant-related accounting, including the distribution of refunded allowable project expenses to State of California accounts.
- Preparing reimbursement requests to OLDCC with approved consultant invoices.
- Processing financial transactions within the State's financial management system while coordinating with the State Controller's Office and State Department of Finance.

Staff Services Manager II, CEC (Federal: \$0.00/ Non-federal: \$7,517)—5% FTE Specific to this grant, Adrienne Winuk is responsible for the following activities throughout the grant period:

- Conducting contract-related administration.
- Assisting in the competitive grant solicitation to select a consultant, executing consultant grant agreements and sub-award with ODOE.
- Ensuring compliance with state and federal contract-related rules.

Attorney III, CEC (Federal: \$0.00/ Non-federal: \$10,926)—5% FTE

Specific to this grant, William Dietrich is responsible for the following activities throughout the grant period:

- Providing contract-related legal support.
- Providing legal support for the selection of the consultant, drafting consultant grant agreements and sub-award agreements with ODOE.

2. Fringe Benefits (Federal: \$18,336 / Non-federal: \$23,069)

The fringe rate for the CEC is 45.26% of salaries and wages.

3. Travel (Federal: \$16,230/ Non-federal: \$0.00)

The travel budget assumes 2 out-of-state Department of Defense related conferences/symposiums for 3-days each for 2 CEC personnel (\$6,280):

- Airfare: 4 round trip flights @ \$1,000/trip is \$4,000.
- Hotel accommodations: 12 nights (3 nights per person for 2 trips) @ \$150/night is \$1,800
- Meals: 12 days (3 per person for 2 trips) @ \$40/day is \$480.

The travel budget also assumes up to 5 trips within the project area for up to 4-days each for up to 3 CEC personnel (\$9,950):

- Transportation: the state prefers to use rental cars instead of mileage reimbursement. The rental car reimbursement rate is up to \$40/day. CEC personnel would plan to use one car for each of the 4-day trips for up to 15 total rental car days. \$800
- Hotel accommodations: Up to 45 nights (3 nights per person for up to 5 trips) @\$150/night is \$6,750.
- Meals: Up to 60 days (3 per person for up to 5 trips) @\$40/day is \$2,400.

4. Supplies (Federal: \$0.00 / Non-federal: \$0.00)

5. Contractual (Federal: \$645,000/ Non-federal: \$0)

Based on past experience, the project team is requesting \$645,000 in federal funds to select a contractor to complete the Tasks 2 through 6 from the narrative and scope of work. The CEC estimates the following percentages for each of the tasks.

Task 2- 20%

Task 3- 15%

Task 4- 30%

Task 5- 25%

Task 6- 10%

6. Other (Federal: \$45,000 / Non-federal: \$0)

Grant funding will also be used to support ODOE as a sub awardee. Given the unique nature of the project involving two states, ODOE's role is important to ensure synergies and information sharing between California and Oregon. ODOE will advise the project team in key aspects of the project, including providing input into the interstate project plan, participating in the core steering group and technical focus group, collaborating on contractor selection, and connecting the project team to key stakeholders and information specific to Oregon. ODOE, as a governmental entity, allows CEC to enter into an agreement directly with them without undergoing a competitive process.

7. Indirect Costs (Federal: \$81,719 / Non-federal: \$25,915)

35%. See attached indirect cost rate negotiated with Department of Energy. This rate fully applies to CEC labor plus fringe benefits, and to the first \$25,000 of the contractor and sub awardee categories.



Department of Energy
Golden Field Office
15013 Denver West Parkway
Golden, Colorado 80401

INDIRECT COST RATE AGREEMENT

April 10, 2020

State of California
California Energy Commission (CEC)
1516 Ninth Street
Sacramento, CA 95814-5512

REF: 2019-2020 IRP dated March 15, 2019
2020-2021 IRP Certified February 24, 2020

The U.S. Department of Energy (DOE) hereby approves the following rates for estimating and billing purposes as requested and confirmed by review and in accordance with applicable Federal Regulations under 2 C.F.R. Part 200. The rates are approved for Awardee's Fiscal Year 2020-2021 and supersede any prior approvals. This agreement will remain effective until such time as amended or justification is received to update this agreement.

INDIRECT COST RATES:

<u>Type</u>	<u>From</u>	<u>To</u>	<u>Rate</u>	<u>Location/Applicability</u>
Fixed, Carry Forward	07/01/20	6/30/21	35.0%	ALL

BASIS FOR APPLICATION:

Total Direct Costs (Personnel Services & Operating Expenses)

TREATMENT OF PAID ABSENCES:

Vacation, holiday, sick leave and other paid absences are included in salaries and wages and are charged to contracts, grants, and other financial assistance agreements as part of the normal cost for salaries and wages. Separate charges for the cost of these absences are not made.

TREATMENT OF FRINGE BENEFITS:

Fringe benefits are specifically identified to each employee and are charged individually as direct costs. The directly claimed fringe benefits other than paid absences consist of FICA Retirement, Hospital Insurance, and Workers' Unemployment Compensation Insurance.

PROVISIONAL RATE(S):

The provisionally approved rate(s) in this Agreement are based on the actual direct and indirect costs incurred during a prior fiscal period. This methodology has been used to develop prior fiscal years' indirect cost rates and this methodology will be used to develop future fiscal year's indirect rates.

PREDETERMINED RATE (PRED):

The predetermined rates contained in this Agreement are based on the actual, allowable costs incurred for a preceding fiscal period. The methodology used to establish this predetermined rate for future fiscal years cannot be changed without the written consent from the Government's Contracting Officer.

FIXED CARRY FORWARD COST RATE (FIXED):

The Fixed rates contained in this Agreement are based on the proposed, allowable costs for the identified fiscal period. When actual costs for the fiscal period become available, an adjustment shall be utilized. The adjustment is the amount required to reconcile the difference between the estimated costs and the actual costs incurred for the agreed-upon time period. The methodology used to establish the rate for future fiscal years cannot be changed without the written consent from the Government's Contracting Officer.

Pending establishment of final indirect cost rates, you may estimate indirect expenses using the above rates for the period specified for existing Government contracts, grants, or cooperative agreements. However, this approval shall not change any monetary ceiling, contract obligation, or specific cost allowance or disallowance provided for in such awards. Additionally, if any award contains indirect rate ceilings, and these ceilings are less than the above rates, the lesser rate shall prevail.

Nothing herein shall be construed to prejudice, waive, or in any other way affect any rights of the Government under the provisions of any contracts, grants, or other cooperative agreements respecting limitation of the Government's obligation hereunder.

This agreement is effective as of the date of this letter. Questions should be directed to the below.

On behalf of the U.S. Department of Energy:



April 10, 2020

Pam Lavergne
Contracting Officer
pamela.lavergne@ee.doe.gov

Date

Please confirm your acceptance of the terms of the Indirect Rate Agreement by signing and returning the original letter to the Contracting Representative listed above.

{Signed and scanned submissions are also acceptable via electronic mail to CostPrice@ee.doe.gov}.

A WARDEE accepts the Indirect Cost Rates, as stated in this Agreement.

Melanie Vail

Printed Name

Chief Financial Officer

Title

State of California
California Energy Commission (CEC)



Signature

April 10, 2020

Date



**CALIFORNIA
ENERGY COMMISSION**



August 26, 2021

Patrick O'Brien, Director, OLDCC
Office of Local Defense Community Cooperation
2231 Crystal Drive Suite 520
Arlington, VA 22202

Dear Mr. O'Brien:

The California Energy Commission accepts the indirect cost rate for the duration of the award. The indirect rate is 35.0% for fiscal year 2021.

Sincerely,

A handwritten signature in black ink that reads "M/Vail".

Melanie Vail
Chief Financial Officer

Eli Harland

1516 9th Street, Sacramento, CA 95814

Phone: 916-607-8676 E-Mail: eli.harland@energy.ca.gov

Experience

California Energy Commission, Electric Generation System Program Specialist **February 2011 to current**

- Multiple positions while working at the CEC, including currently as an Advisor to Commissioner Douglas, which includes supporting the commissioner with policy and planning recommendations.
- Lead interagency coordination for offshore wind energy planning and outreach and BOEM-CA task force.
- Actively participate in statewide energy planning, including new renewable energy resources and associated transmission infrastructure necessary to achieve SB 100 climate and energy goals.
- Active participant on power plant licensing committees and associated environmental review.

PMC, Housing and Community Development **July 2008 to February 2011**

- Work with a team to assist cities and counties with planning for and meeting their housing and community development needs.
- Update General Plan Housing Elements, Consolidated Plans, Fair Housing Plans, and ordinances/codes.
- Assist with coordinating public workshops for cities and counties and present plans and recommended policies to planning commissions, city councils, and county boards.
- Implement Community Development Block Grant Programs.
- Conduct real time income surveys and neighborhood blight analyses.
- Grant writing for State based competitive grant opportunities.
- Use Microsoft Excel, Word, and PowerPoint to analyze data, report findings, and recommend policy.

School Innovations and Advocacy, Mandated Cost Consultant **September 2006 to June 2008**

- Manage forty-three public school district accounts across five counties from Southern California to Sacramento.
- Deliver presentations to school administrators, school site councils, and school boards.
- Deliver consulting expertise to each school district with tracking, compiling, and filing compliant mandated cost claims with the State Controller's Office to ensure all revenue potential is claimed.
- Provide Federal and State categorical directors with assistance to their district by providing school site administrator trainings for School Site Councils and English Language Learner Committees.

Starbucks Coffee Company, General Store Manager **December 2001 to April 2006**

- Directed staff and managed budgets in stores with annual sales between \$800,000 and \$2.2 million.
- Manager Coach Mentor- Organized and ensured the successful completion of management training for both newly promoted and newly hired management candidates.
- Labor Management Specialist- Develop district wide labor goals and actions and analyzed district-wide labor performance to ensure all stores in the district achieve labor targets.

Education

MS-Urban Land Development, California State University, Sacramento

- The MS-ULD program is interdisciplinary, blending together an MBA in real estate and a Master in Public Policy and Administration.
- Thesis explored determining how cities and counties integrate renewable energy facility siting into land use plans and ordinances that align with utility RPS procurement plans.
- Research projects that include design, data gathering, analytical analysis, and policy recommendations.
- In-class presentations of research projects, economic analyses, and case studies.
- In-depth knowledge of California local land use policy.
- Practiced in using SPSS and Stata to model statistical relationships using econometric theory.
- Basic knowledge of using ArcGIS mapping software.

BA-History, California State University, Sacramento

- Delivered research presentations to classroom groups.
- Researched and compiled historiographies on historical materialism and resource markets.

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: CEC GRANT FROM THE US DEPARTMENT OF DEFENSE

RESOLVED, that the State Energy Resources Conservation and Development Commission (CEC) applied for and was awarded a grant for \$850,000 from the United States Department of Defense (DOD) Office of Local Defense Community Cooperation (OLDCC); the grant is for a detailed technical analysis for transmission infrastructure limitations and opportunities, to map existing transmission infrastructure, and provide technical data and assistance to further assess offshore wind energy resources off the coast of northern California; and

RESOLVED, that due to the required timeframes of DOD OLDCC which required agreement execution within a week of notice of the award, the CEC's Executive Director executed the grant agreement to avoid losing the funding, with the intent to seek subsequent CEC ratification at the earliest opportunity, which was the September 30, 2021 business meeting; and

RESOLVED, the CEC finds that this grant is exempt from the California Environmental Quality Act (CEQA) under Title 14 California Code of Regulations section 15306; this grant only collects, analyzes, and disseminates information; any actions based on this project's information must be approved by appropriate agencies in the future, and those agencies will assess CEQA at that time; and

RESOLVED, the CEC ratifies the Executive Director's execution of the grant agreement; and

FURTHER BE IT RESOLVED, that the Executive Director or a designee shall take all necessary actions to carry out the actives under this grant.

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 September 30, 2021.

AYE:

NAY:

ABSENT:

ABSTAIN:

Liza Lopez
Secretariat