



**CALIFORNIA  
ENERGY COMMISSION**



**California Energy Commission  
February 12, 2025 Business Meeting  
Backup Materials for Sonoma Clean Power Authority**

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: 25-212-09d**

**STATE OF CALIFORNIA**

**STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION**

**RESOLUTION: Sonoma Clean Power Authority**

**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 EPC-24-039 with Sonoma Clean Power Authority for a \$4,995,640 grant. This agreement will demonstrate a community-based VPP in Mendocino and Sonoma counties with various distributed energy resources (DERs) including smart panels and modular plug-in batteries in multifamily buildings. This project will enable 4 MW of demand flexibility by consolidating various DERs into a unified platform to simplify and centralize demand flexibility for consumers; 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 February 12, 2025.

AYE:

NAY:

ABSENT:

ABSTAIN:

Dated:

---

Kristine Banaag  
Secretariat



## GRANT REQUEST FORM (GRF)

### A. New Agreement Number

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

**New Agreement Number:** EPC-24-039

### B. Division Information

1. Division Name: ERDD
2. Agreement Manager: Akruti Gupta
3. MS-51
4. Phone Number: (916) 232-9191

### C. Recipient's Information

1. Recipient's Legal Name: Sonoma Clean Power Authority
2. Federal ID Number: 46-3504717

### D. Title of Project

Title of project: Expansion of a Virtual Power Plant using Automated Devices in Low-Income and Disadvantaged Communities

### E. Term and Amount

1. Start Date: 4/1/2025
2. End Date: 3/30/2029
3. Amount: \$4,995,640.00

### F. Business Meeting Information

1. Are the ARFVTP agreements \$75K and under delegated to Executive Director? No
2. The Proposed Business Meeting Date: 2/12/2025
3. Consent or Discussion? Discussion
4. Business Meeting Presenter Name: Dustin Davis
5. Time Needed for Business Meeting: 5 minutes.
6. The email subscription topic is: EPIC (Electric Program Investment Charge).

### Agenda Item Subject and Description:

Sonoma Clean Power Authority. Proposed resolution approving agreement EPC-24-039 with Sonoma Clean Power Authority for a \$4,995,640 grant and adopting staff's recommendation that this action is exempt from CEQA. This agreement will demonstrate a community-based VPP in Mendocino and Sonoma counties with various distributed energy resources (DERs) including smart panels and modular plug-in batteries in multifamily buildings. This project will enable 4 MW of demand flexibility by consolidating various DERs into a unified platform to simplify and centralize demand flexibility for consumers. (EPIC funding) Contact: Dustin Davis



## 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:

### 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: None

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, §§ 15301, 15303, 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.

California Code of Regulations, title 14, section 15301 provides that projects which consist of the operation, repair, maintenance, permitting, licensing, or minor alteration of existing public or private structures, facilities, mechanical equipment, or topographical features, and which have negligible or no expansion of existing or former use, are categorically exempt from the provisions of the California Environmental Quality Act (CEQA). This project involves the expansion of a virtual power plant by installing 40 modular plug-in batteries coupled with smart electric panels at existing multifamily affordable housing facilities, as well as installing 1000 smart thermostats at existing residential buildings, all with no resulting expansion of existing or former use of those facilities. The thermostats and modular batteries with smart panels are minor alterations and the virtual power plant expansion will involve operating mechanical equipment at existing facilities. The project will also involve the enrollment of existing smart devices at existing facilities within the virtual power plant



geographic area, with no installations at those facilities. Therefore, the project is exempt from the provisions of CEQA under section 15301.

California Code of Regulations, title 14, section 15303 provides that projects which consist of construction and location of limited numbers of new, small facilities or structures; installation of small new equipment and facilities in small structures; and the conversion of existing small structures from one use to another where only minor modifications are made in the exterior of the structure are categorically exempt from the provisions of CEQA. This project involves the installation and operation of small new equipment at existing facilities, including thermostats and plug-in batteries coupled with smart electric panels. Therefore, the project is exempt from the provisions of CEQA under section 15303.

California Code of Regulations, title 14, section 15306 provides that projects which consist of 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 CEQA. This project involves the collection of data and information about the performance of a virtual power plant. Therefore, the project is exempt from the provisions of CEQA under section 15306.

This project does not involve impacts on any particularly sensitive environment; 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.

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
Prospect Silicon Valley	\$ 393,001	\$0
DOE- Lawrence Berkeley National Laboratory	\$ 200,000	\$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
EcoFlow Technologies Inc.	\$0	\$10,000
TBD - Installation Contractor	\$0	\$80,000
TBD - Installation Contractor	\$99,000	\$99,000
TBD - Installation Contractor	\$99,000	\$99,000
TBD - Community Based Organization	\$10,000	\$40,000
TBD - Community Based Organization	\$10,000	\$40,000
TBD - Community Based Organization	\$10,000	\$40,000
TBD - Community Based Organization	\$10,000	\$40,000
TBD - Community Based Organization	\$10,000	\$40,000

**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
EPIC	23-24	301.001K	\$ 4,995,640

**TOTAL Amount:** \$ 4,995,640

R&D Program Area: ICMB:DFS

Explanation for "Other" selection Not applicable

Reimbursement Contract #: Not applicable

Federal Agreement #: Not applicable

#### **M. Recipient's Contact Information**

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

Name: Carolyn Glanton

Address: 431 E St

City, State, Zip: Santa Rosa, CA 95404-4333

Phone: 707-529-7313

E-Mail: cglanton@sonomacleanpower.org

##### **2. Recipient's Project Manager**

Name: Carolyn Glanton

Address: 431 E St

City, State, Zip: Santa Rosa, CA 95404-4333

Phone: 707-529-7313

E-Mail: cglanton@sonomacleanpower.org

#### **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-23-309
First Come First Served Solicitation #	Not applicable
Other	Not applicable



**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
4	Recipient Resolution	No.
5	Awardee CEQA Documentation	No.

**Approved By**

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

**Agreement Manager:** Akruti Gupta

**Approval Date:** 1/2/2025

**Branch Manager:** Cody Taylor

**Approval Date:** 1/3/2025

**Director:** Jonah Steinbuck

**Approval Date:** *Delegated to Branch Manager*



**Exhibit A**  
**Scope of Work**  
**Sonoma Clean Power Authority**

**I. TASK ACRONYM/TERM LISTS**

**A. Task List**

<b>Task #</b>	<b>CPR<sup>1</sup></b>	<b>Task Name</b>
1		General Project Tasks
2	X	Demonstration of Smart Panels with DERs in Affordable Housing
3	X	Direct Install of Smart Thermostat for Low-Income Customers
4	X	Incentivizing and Integrating DERs
5		Commercial and Industrial – With Particular Focus on Small Businesses in DACs
6		Evaluation of Project Benefits
7		Technology/Knowledge Transfer Activities

**B. Acronym/Term List**

<b>Acronym/Term</b>	<b>Meaning</b>
CAM	Commission Agreement Manager
CAO	Commission Agreement Officer
CBO	Community-Based Organization
CEC	California Energy Commission
CPR	Critical Project Review
DAC	Disadvantaged Community
DERMS	Distributed Energy Resource Management System
DER	Distributed Energy Resource
EM&V	Evaluation, Measurement, and Verification
MW	Megawatt
TAC	Technical Advisory Committee
VPP	Virtual Power Plant

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

**A. Purpose of Agreement**

The purpose of this Agreement is to fund the enhancement of the “GridSavvy VPP” project (Project), which will demonstrate the consolidation of various distributed energy resources (DER) on a unified platform to simplify and automate load flexibility for customers. The Project

---

<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 Sonoma Clean Power Authority**

also aims to deploy innovative DERs in low-income and disadvantaged communities (DAC) to overcome known barriers preventing those consumers from engaging in load flexibility.

### **B. Problem/ Solution Statement**

#### **Problem**

The Project aims to address significant barriers to DERs in low-income communities and DACs, including cost barriers, lack of awareness, and inadequate infrastructure. These communities often face high energy bills and limited access to modern, efficient energy technologies due to financial constraints and overloaded electrical panels that cannot support electrification. Despite numerous energy efficiency programs, these barriers persist because traditional approaches have not sufficiently targeted the unique needs of these populations. Currently, no other entity has effectively addressed these issues at scale in a way that integrates advanced distributed energy resource management systems (DERMS) with community-based virtual power plants (VPPs). This project is critical now due to the increasing urgency of achieving California's statutory energy goals, reducing greenhouse gas emissions, and ensuring equitable access to clean energy technologies. Addressing these problems now will not only support the state's environmental objectives but also enhance energy equity and resilience in vulnerable communities.

#### **Solution**

This project will deploy DERs in disadvantaged and low-income communities to optimize energy use, enhance grid reliability, and support electrification. The project will utilize a majority of the funding directly in communities by procuring and installing smart panels, smart thermostats, and other DERs, while leveraging an existing DERMS platform for real-time monitoring and control. Direct installations and incentives provided by Sonoma Clean Power Authority for low-income customers will address cost barriers for participants over the course of the project, while partnerships with Community Based Organizations (CBO) will ensure widespread participation and engagement. This comprehensive approach will contribute to California's energy goals by shifting load, reducing emissions, and promoting energy equity and sustainability.

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

#### **Agreement Goals**

The goals of this Agreement are to:

- Design and implement the GridSavvy VPP project to achieve at least 4 MW of load shifting and determine the effectiveness of a community-based approach to VPPs.
- Empower low-income and disadvantaged communities by providing access to DERs and reducing barriers to adoption.
- Drive technological advancements and breakthroughs in load flexibility strategies, including automated, predictive control within the capabilities of the DERMS, and optimized orchestration of smart devices.
- Streamline DER adoption for load shifting in residential and commercial applications within the project through incentives and a simplified platform to integrate a variety of DERs, and beyond the project through knowledge sharing activities with other aggregators, thereby enhancing grid reliability and reducing greenhouse gas emissions.

## **Exhibit A**

### **Scope of Work**

#### **Sonoma Clean Power Authority**

- Achieve tangible ratepayer benefits such as reduced energy bills, increased grid reliability, and lower costs, thereby determining the value streams through which cost savings can be realized for the customer.

**Ratepayer Benefits:**<sup>2</sup> This Agreement will result in the ratepayer benefits of greater electricity reliability and lower costs by implementing the GridSavvy VPP project. By consolidating various DERs such as electric vehicle chargers, smart thermostats, electric water heaters, smart panels, and battery storage systems into a unified platform, the project will enhance grid reliability by reducing peak demand during periods of grid stress. The automation and predictive controls within the VPP will attempt to optimize load shifting and reduce reliance on natural gas peaker plants, thus preventing overloads and potential blackouts that may occur when demand exceeds available supply. Additionally, the project will lower costs for participating ratepayers through reducing consumption during peak rate periods and for both participating and non-participating ratepayers through the reduction of capacity procurement and wholesale energy settlement costs. Customers will benefit from reduced energy bills due to enhanced energy efficiency measures, possible demand charge avoidance for commercial customers, and optimized Time-of-Use rates. By facilitating DER installations in low-income and disadvantaged communities, the project supports equitable access to these cost-saving technologies, further extending financial benefits to a broader customer base who have historically been difficult to reach.

**Technological Advancement and Breakthroughs:**<sup>3</sup> This Agreement will lead to technological advancement and breakthroughs to overcome barriers to the achievement of the State of California's statutory energy goals by integrating multiple DERs into a single, streamlined platform and focusing on outreach, engagement, and financial support for low-income and disadvantaged communities. GridSavvy VPP will take away unnecessary complexity for customers and make DERs more accessible to the larger California population. This innovation simplifies load flexibility for consumers and increases participation from low-income and disadvantaged communities through targeted outreach and direct installations. Furthermore, the project's advanced DERMS enhances operational efficiency by enabling precise control over various DERs based on real-time data and predictive analytics. This system's ability to interface with OpenADR and integrate with numerous smart device manufacturers underscores its flexibility. By deploying smart panels with modular plug-in batteries in multifamily buildings with overloaded distribution circuits, the project also demonstrates a scalable solution to distribution grid capacity issues, paving the way for broader adoption of electrification. These advancements collectively support California's ambitious energy goals and drive forward the state's transition to a more sustainable energy future.

#### **Agreement Objectives**

The objectives of this Agreement are to:

---

<sup>2</sup> California Public Resources Code, Section 25711.5(a) requires projects funded by the Electric Program Investment Charge (EPIC) to result in ratepayer benefits. The California Public Utilities Commission, which established the EPIC in 2011, defines ratepayer benefits as greater reliability, lower costs, and increased safety (See CPUC "Phase 2" Decision 12-05-037 at page 19, May 24, 2012, [http://docs.cpuc.ca.gov/PublishedDocs/WORD\\_PDF/FINAL\\_DECISION/167664.PDF](http://docs.cpuc.ca.gov/PublishedDocs/WORD_PDF/FINAL_DECISION/167664.PDF)).

<sup>3</sup> California Public Resources Code, Section 25711.5(a) also requires EPIC-funded projects to lead to technological advancement and breakthroughs to overcome barriers that prevent the achievement of the state's statutory and energy goals.

## Exhibit A Scope of Work Sonoma Clean Power Authority

- Conduct a demonstration project at multifamily properties, installing a total of 40 smart panels across the properties as an alternative to electrical service upgrades.
- Integrate a total of 7,500 other existing DERs of various types, including batteries, smart thermostats, and electric vehicle chargers.
- Achieve a total load shift of at least 4 MW through strategic deployment and optimization of DER installations.
- Engage and provide education to at least 7,500 low-income and DAC residents through outreach conducted in partnership with at least two CBOs.
- Demonstrate at least 20% cost recovery of the proposed VPP within four years.

### 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.
- 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:

# **Exhibit A**

## **Scope of Work**

### **Sonoma Clean Power Authority**

#### 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 California Energy Commission's (CEC) 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.

#### **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

## **Exhibit A**

### **Scope of Work**

#### **Sonoma Clean Power Authority**

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:**

- 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

## **Exhibit A Scope of Work Sonoma Clean Power Authority**

### **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 CAO 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., 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.

#### **Recipient Products:**

- CPR Report(s)

#### **CAM Products:**

- CPR Agenda(s)
- Progress Determination

## **Exhibit A**

### **Scope of Work**

#### **Sonoma Clean Power Authority**

##### **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 Commission 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.

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.



## **Exhibit A Scope of Work Sonoma Clean Power Authority**

### **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**

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.

## **Exhibit A Scope of Work Sonoma Clean Power Authority**

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 not propose to incorporate and an explanation for why.
- 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.

## Exhibit A Scope of Work Sonoma Clean Power Authority

- 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. 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 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.

## **Exhibit A**

### **Scope of Work**

#### **Sonoma Clean Power Authority**

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

## **Exhibit A**

### **Scope of Work**

#### **Sonoma Clean Power Authority**

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

The goals of this subtask are to: (1) ensure quality products and to execute subawards and site host agreements, as applicable, required to carry out the tasks under this Agreement; and (2) ensure that the subawards are consistent with the terms and conditions of this Agreement and the Recipient's own procurement and contracting policies and procedures.

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

- Establish and implement a standardized agreement template or a process for negotiating and executing individual agreements with site hosts. The Recipient may utilize a streamlined approach for site host agreements where applicable, such as standardized agreements for common site types (e.g., residential, commercial) or utilizing existing agreements with property owners or managers.
- Execute and manage subawards and coordinate subrecipient activities in accordance with the requirements of this Agreement.
- 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 that the minimum number of project sites cannot be acquired or can no longer be used for the project.
- Incorporate this Agreement by reference into each subaward.
- Include any required Energy Commission flow-down provisions in each subaward, in addition to a statement that the terms of this Agreement will prevail if they conflict with the subaward terms.
- 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 for the CAM to review.
- If requested by the CAM, submit a final copy of each executed subaward and any site host agreement.
- Notify and receive written approval from the CAM prior to adding any new subrecipient (see the terms regarding of subrecipient additions in the terms and conditions).

##### **Products:**

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

#### **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:

## **Exhibit A**

### **Scope of Work**

#### **Sonoma Clean Power Authority**

- 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.
- 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 developers relevant to the project;
- U.S. Department of Energy research managers, or experts from other federal or state agencies relevant to the project;
- Public interest environmental groups;
- 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, physical and electronic addresses, and phone numbers of potential members. The list will be discussed at the Kick-off meeting, 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.

## **Exhibit A**

### **Scope of Work**

#### **Sonoma Clean Power Authority**

- 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.
- Review and provide comments to proposed project Draft Technology Transfer Plan.

#### **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**

## **Exhibit A**

### **Scope of Work**

#### **Sonoma Clean Power Authority**

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 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: DEMONSTRATION OF SMART PANELS WITH DERS IN AFFORDABLE HOUSING**

The goal of this task is to develop and conduct a demonstration project employing 40 combined plug-in battery and smart panel sets, installed at multifamily affordable housing locations to enhance load flexibility and resilience.

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

- Develop a *Project and Testing Plan* for conducting all aspects of the demonstration project, including implementing automated predictive controls within the capabilities of the DERMS, and to guide project partners in their roles and responsibilities.
- Provide a *Signed Landlord Commitment Letter* from the landlord(s) to not raise rent to tenants due to property improvements resulting from this project.
- Purchase and install, in or on the premises of existing multifamily residential buildings, 40 EcoFlow DELTA Pro Ultra Batteries and Smart Home Panels – or its modular battery equivalent – at locations determined by the Project and Testing Plan.
- Develop a *Demonstration Outreach Plan* addressing outreach and knowledge sharing planned as part of the demonstration.



## **Exhibit A**

### **Scope of Work**

#### **Sonoma Clean Power Authority**

- Develop a *Task 2 Evaluation, Measurement, and Verification (EM&V) Plan* to establish how the performance of the packaged smart home panel with plug-in batteries solution will be measured, including but not limited to analysis for the following metrics: energy management, efficiency, cost savings, reliability, grid resilience, carbon emissions, and performance of predictive controls.
- Develop a *Demonstration Outreach Memo* documenting all outreach and knowledge sharing activities conducted during the demonstration.
- Develop a *Data Collection Memo* outlining techniques, methods, and procedures used to collect data based on information collected during conduct of the Demonstration.
- Develop a *Task 2 EM&V Report* that analyzes energy management, efficiency, cost savings, reliability, grid resilience, carbon emissions, and performance of predictive controls. This report will be combined with and included with the overall EM&V in the Final Report.
- Conduct a CPR meeting and prepare a *CPR Report #1* in accordance with subtask 1.3 (CPR Meetings).

#### **Products:**

- Project and Testing Plan (draft and final)
- Signed Landlord Commitment Letter(s)
- Demonstration Outreach Plan
- Task 2 EM&V Plan
- Demonstration Outreach Memo
- Data Collection Memo
- Task 2 EM&V Report (draft and final)
- CPR Report #1

### **TASK 3: DIRECT INSTALL OF SMART THERMOSTATS FOR LOW-INCOME CUSTOMERS**

The goals of this task are to install smart thermostats at no cost to low-income customers and enroll them in GridSavvy VPP.

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

- Prepare and issue a *Request for Qualifications* to solicit potential installers for partnership.
- Submit template *Customer Contracts and Terms and Conditions*.
- Develop and implement a *Direct Install Outreach and Engagement Plan* that outlines strategies for identifying and engaging eligible low-income households, communication methods and materials, partnership roles and responsibilities, timelines for outreach activities, metrics for measuring outreach effectiveness, and compliance with CEC guidelines and regulations.
- Develop a *Direct Install Outreach and Engagement Memo* documenting all activities conducted to engage with eligible low-income households, the effectiveness of various communication methods and materials implemented, and measured outreach effectiveness based on plan metrics.
- Conduct a CPR meeting and prepare a *CPR Report #2* in accordance with subtask 1.3 (CPR Meetings).

#### **Products:**

- Request for Qualifications

## **Exhibit A Scope of Work Sonoma Clean Power Authority**

- Customer Contracts and Terms and Conditions
- Direct Install Outreach and Engagement Plan (draft and final)
- CPR Report #2
- Direct Install Outreach and Engagement Memo

### **TASK 4: INCENTIVIZING AND INTEGRATING DERS**

The goal of this task is to incentivize the adoption of DERs, with specific outreach to low-income and disadvantaged communities to enhance load flexibility, reduce energy costs, and increase participation in demand response programs. This is distinct from Task 3 as it does not cover the installation of DERs.

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

- Submit template *Customer Contracts and Terms and Conditions*.
- Develop and submit a *DER Engagement and Outreach Plan* that describes outreach materials and communication strategies to engage DER owners in DACs, facilitating their participation in VPPs.
- Integrate targeted number of DERs in GridSavvy VPP and monitor load shifting achieved through DERMS implementation. Document the number of DERs integrated into GridSavvy VPP through this project, level of participation in load shifting events, calculated bill savings, cost avoidance, and up-to-date results of the other metrics identified in Task 3 and Task 5 products in a *DER Integration Memo*. Iterate a DER Integration Memo yearly, as outlined in the Project Schedule.
- Conduct a CPR meeting and prepare a *CPR Report #3* in accordance with subtask 1.3 (CPR Meetings).

#### **Products:**

- Customer Contracts and Terms and Conditions
- DER Engagement and Outreach Plan (draft and final)
- DER Integration Memo #1
- CPR Report #3
- DER Integration Memo #2
- DER Integration Memo #3

### **TASK 5: COMMERCIAL AND INDUSTRIAL INTEGRATION – WITH PARTICULAR FOCUS ON SMALL BUSINESSES IN DACS**

The goal of this task is to facilitate the integration of small businesses in DACs into GridSavvy VPP, promoting load flexibility and grid reliability among underserved customers. This task does not involve the installation of DERs.

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

- Create and submit a *Commercial Implementation, Engagement and Outreach Plan* outlining strategies to engage small businesses in DACs, educate them about VPP participation, and enroll them in GridSavvy VPP.
- Document effectiveness of planned engagement and education strategies and levels of enrollment in a *Commercial Implementation, Engagement, and Outreach Memo*.

## **Exhibit A**

### **Scope of Work**

#### **Sonoma Clean Power Authority**

##### **Products:**

- Commercial Implementation, Engagement, and Outreach Plan (draft and final)
- Commercial Implementation, Engagement, and Outreach Memo

##### **TASK 6: 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:
  - Technology commercialization progress
  - New media and publications
  - Company growth
  - Follow-on funding and awards received
- Complete the *Final Project Benefits Questionnaire*. The Final Project Benefits 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.
- Complete and update the project profile on the CEC's public online project and recipient directory on the [Energize Innovation website \(www.energizeinnovation.fund\)](http://www.energizeinnovation.fund), and provide *Documentation of Project Profile on EnergizeInnovation.fund*, including the profile link.
- If the Prime Recipient is an Innovation Partner on the project, complete and update the organizational profile on the CEC's public online project and recipient directory on the [Energize Innovation website \(www.energizeinnovation.fund\)](http://www.energizeinnovation.fund), and provide *Documentation of Organization Profile on EnergizeInnovation.fund*, including the profile link.

##### **Products:**

- Initial Project Benefits Questionnaire
- Annual Survey(s)
- Final Project Benefits Questionnaire
- Documentation of Project Profile on EnergizeInnovation.fund
- Documentation of Organization Profile on EnergizeInnovation.fund

##### **TASK 7: TECHNOLOGY/KNOWLEDGE TRANSFER ACTIVITIES**

The goal of this task is to ensure the technological learning that resulted from the demonstration(s) is captured and disseminated to the range of professions that will be responsible for future deployments of this technology or similar technologies.

##### **The Recipient Shall:**

## **Exhibit A**

### **Scope of Work**

#### **Sonoma Clean Power Authority**

- Develop and submit a *Project Case Study Plan* that outlines how the Recipient will document the planning, construction, commissioning, and operation of the technology or system being demonstrated. The Project Case Study Plan should include:
  - An outline of the objectives, goals, and activities of the case study.
  - The organization that will be conducting the case study and the plan for conducting it.
  - A list of professions and practitioners involved in the technology's deployment.
  - Specific activities the recipient will take to ensure the learning that results from the project is disseminated to those professions and practitioners.
  - Presentations/webinars/training events to disseminate the results of the case study.
- Present the draft *Project Case Study Plan* to the TAC for review and comment.
- Develop and submit a *Summary of TAC Comments* that summarizes comments received from the TAC members on the draft *Project Case Study Plan*. This document will identify:
  - TAC comments the Recipient proposes to incorporate into the final *Technology Transfer Plan*.
  - TAC comments the Recipient does not propose to incorporate with and explanation why.
- Submit the final *Project Case Study Plan* to the CAM for approval.
- Execute the final Project Case Study Plan and develop and submit a Project Case Study.
- When directed by the CAM, develop presentation materials for a CEC sponsored conference/workshop(s) on the project.
- When directed by the CAM, participate in annual EPIC symposium(s) sponsored by the California CEC.
- Provide at least (6) six High Quality Digital Photographs (minimum resolution of 1300x500 pixels in landscape ratio) of pre and post technology installation at the project sites or related project photographs.

#### **Products:**

- Project Case Study Plan (draft and final)
- Summary of TAC Comments
- Project Case Study (draft and final)
- High Quality Digital Photographs

## **V. PROJECT SCHEDULE**

Please see the attached Excel spreadsheet.