



STATE OF CALIFORNIA

GRANT REQUEST FORM (GRF)

CEC-270 (Revised 12/2019)

CALIFORNIA ENERGY COMMISSION

A) New Agreement # ZVI-22-028 (to be completed by CGL office)

B) Division	Agreement Manager:	MS-	Phone
Fuels and Transportation	Wendell Krell		916-805-7485

C) Recipient's Legal Name	Federal ID #
TechFlow, Inc.	95-4620091

D) Title of Project
TechFlow Military EV Chargers

E) Term and Amount

Start Date	End Date	Amount
1 / 25 / 2023	5 / 30 / 2025	\$ 413,928

F) Business Meeting Information

- ARFVTP agreements \$75K and under delegated to Executive Director
 Proposed Business Meeting Date 1 / 25 / 2023 Consent Discussion
 Business Meeting Presenter Wendell Krell Time Needed: 5 minutes
 Please select one list serve. Clean Transportation Program

Agenda Item Subject and Description:

TechFlow, Inc. Proposed resolution approving agreement ZVI-22-028 with TechFlow, Inc. for a \$413,928 grant to deploy five Level 2 and one Direct Current (DC) Fast Charger EV charging systems, and adopting staff's determination that this action is exempt from CEQA. This agreement will jointly fund EV charger infrastructure installations at Naval Base San Diego under Federal contract number HQ08452290065 as amended by modification number P0001. The United States Department of the Navy funded \$750,000 of the total project cost. (General Fund Funding)
 Contact: Wendell Krell

G) California Environmental Quality Act (CEQA) Compliance

- Is Agreement considered a "Project" under CEQA?
 - Yes (skip to question 2) No (complete the following (PRC 21065 and 14 CCR 15378)):
 - Explain why Agreement is not considered a "Project":
 - Agreement will not cause direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment because .
- If Agreement is considered a "Project" under CEQA:
 - Agreement **IS** exempt.
 - Statutory Exemption. List PRC and/or CCR section number:
 - Categorical Exemption. List CCR section number:
 - Cal. Code Regs., Title 14, Sec. 15301
 - Cal. Code Regs., Title 14, Sec. 15303
 - Cal. Code Regs., Title 14, Sec. 15304



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Cal. Code Regs., Title 14, Sec. 15301 provides that projects which consist of the operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing public or private structures, facilities, mechanical equipment, or topographical features, and which involve negligible or no expansion of existing or former use, are categorically exempt from the provisions of the California Environmental Quality Act. This project involves installation of five Level 2 and one Direct Current (DC) Fast Charger electric vehicle (EV) charging systems at Naval Base San Diego. Specifically, the charging equipment to be installed is approximately the size of a payphone booth. The electric vehicle charging stations will be installed and connected to existing electrical infrastructure on previously improved land in locations where customers already park their cars to access Naval facilities. The project involves negligible or no expansion of existing or former use of existing sites. Therefore, the project falls within section 15301 and will not have a significant effect on the environment.

Cal. Code Regs., Title 14, Sec. 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 consists of installation of new small equipment to existing, previously improved sites. Specifically, the charging equipment to be installed is approximately the size of a payphone booth. Therefore, the project falls within section 15303 and will not have a significant effect on the environment.

Cal. Code Regs., Title 14, Sec. 15304 provides that projects which consist of minor public or private alterations in the condition of land, water, and/or vegetation which do not involve removal of healthy, mature, scenic trees except for forestry and agricultural purposes are categorically exempt from the provisions of CEQA. In this project, minor trenching and directional boring may be necessary to lay conduit from the existing or new electrical infrastructure (transformer, switchgear, etc.) to the charging equipment. The trenching/boring will not involve the removal of any healthy, mature, scenic trees, and surface will be restored. Therefore, the project falls within section 15304 and will not have a significant effect on the environment.

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

Common Sense Exemption. 14 CCR 15061 (b) (3) Explain reason why Agreement is exempt under the above section:

- b) Agreement **IS NOT** exempt. (consult with the legal office to determine next steps)



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Check all that apply

- Initial Study
- Negative Declaration
- Mitigated Negative Declaration
- Environmental Impact Report
- Statement of Overriding Considerations

H) List all subcontractors (major and minor) and equipment vendors, including those listed in the grant application: (attach additional sheets as necessary)

Legal Company Name:	Budget
District Fleet, LLC	\$ 153,298
ACDD, Inc.	\$ 125,423

I) List all key partners, including those listed in the grant application: (attach additional sheets as necessary)

Legal Company Name:
United States Department of Defense. Defense Innovation Unit
United States Department of the Navy

J) Budget Information

Funding Source	Funding Year of Appropriation	Budget List Number	Amount
General Fund	2021-22	601.129ZEV	\$ 413,928

R&D Program Area: Select Program Area N/A TOTAL: \$413,928

Explanation for "Other" selection

Reimbursement Contract #:

Federal Agreement #: HQ08452290065

K) Recipient's Contact Information

1. Recipient's Administrator/Officer

Name: Ann Kennedy
 Address: 2550 S Clark St, Suite 620
 City, State, Zip: Arlington, VA. 22202
 Phone: (571) 719-9669
 E-Mail: akennedy@techflow.com

Name: Michael Genseal
 Address: 9889 Willow Creek Rd, Suite 100
 City, State, Zip: San Diego, CA. 92131
 Phone: 858-987-4098
 E-Mail: mgenseal@techflow.com

2. Recipient's Project Manager

L) Selection Process Used

2021 Budget Act (Chapter 240, Statutes of 2021) provisional language (SEC. 40. Item 3360-101-0001, Provision 1, (a))

The commission may add these funds to existing competitively awarded agreements if existing competitive agreements are consistent with the use of funds defined in provision 4



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of this item. This work relates to competitively awarded federal contract number HQ08452290065 with Techflow, Inc. as amended by modification number P0001.

- Competitive Solicitation Solicitation #: - -
- First Come First Served Solicitation Solicitation #: - -

M) The following items should be attached to this GRF

- | | | | |
|---|-------------------------------------|-----|--|
| 1. Exhibit A, Scope of Work | <input checked="" type="checkbox"/> | N/A | <input checked="" type="checkbox"/> Attached |
| 2. Exhibit B, Budget Detail | <input checked="" type="checkbox"/> | N/A | <input checked="" type="checkbox"/> Attached |
| 3. CEC 105, Questionnaire for Identifying Conflicts | <input checked="" type="checkbox"/> | N/A | <input checked="" type="checkbox"/> Attached |
| 4. Recipient Resolution | <input checked="" type="checkbox"/> | N/A | <input type="checkbox"/> Attached |
| 5. CEQA Documentation | <input type="checkbox"/> | N/A | <input checked="" type="checkbox"/> Attached |

Agreement Manager

Date

Office Manager

Date

Deputy Director

Date

Exhibit A SCOPE OF WORK

TECHNICAL TASK LIST

Task #	CPR	Task Name
1		Administration
2		Site Assessment
3		Design and Procurement
4	X	Installation and Commissioning
5		Data Collection and Analysis
6		Project Fact Sheet

KEY NAME LIST

Task #	Key Personnel	Key Subcontractor(s)	Key Partner(s)
1-6	Clark Boriack	N/A	N/A

GLOSSARY

Specific terms and acronyms used throughout this scope of work are defined as follows:

Term/ Acronym	Definition
ADA	Americans with Disabilities Act
CAM	Commission Agreement Manager
CAO	Commission Agreement Officer
CEC	California Energy Commission
CTP	Clean Transportation Program
CPR	Critical Project Review
DDS	Distributor Data Solutions
DON	United States Department of the Navy
EV/EVC	Electric Vehicle / Electric Vehicle Charger
EVITP	Electric Vehicle Infrastructure Training Program
FAT	Factory Acceptance Testing
FTD	Fuels and Transportation Division
GOV	Government Owned Vehicle
KPI	Key Performance Indicator
kW/kWh	Kilowatt/ Kilowatt hour
NBSD	Naval Base San Diego
O&M	Operations and Maintenance
POV	Privately Owned Vehicle
Recipient	TechFlow, Inc.
SLA	Service Level Agreement

Background

The Budget Act of 2021 (Assembly Bill (AB) 128, Ting, Chapter 21, Statutes of 2021, as amended by Senate Bill (SB) 129, Skinner, Chapter 69, Statutes of 2021 and SB 170, Skinner, Chapter 240, Statutes of 2021) appropriated \$785,000,000 from the General Fund to support infrastructure deployments and manufacturing projects for zero-emission light-duty and medium- and heavy- duty vehicles. The Budget Act of 2022 (SB 154, Skinner, Chapter 43, Statutes of 2022, as amended by AB 178, Ting, Chapter 45, Statutes of 2022) appropriated an additional \$255,000,000 from the General Fund to support infrastructure deployments and manufacturing projects for zero-emission light-duty and medium- and heavy-duty vehicles.

The Recipient received Federal award/contract number HQ08452290065, as amended by P0001, as the selected contractor under the United States Department of Defense, Defense Innovation Unit's competitive EV Charger Project solicitation. Section 40, Item 3360-101-0001, Provision 1 (a) of the 2021 Budget Act (SB 170) allows the California Energy Commission (CEC) to add funds to existing competitively awarded agreements if those agreements are consistent with the defined use of the funds.

Problem Statement:

The White House set a nationwide goal to raise new car sales for electric vehicles (EVs) to 50 percent by 2030. The resulting increase of electric Government Owned Vehicles (GOVs) and electric Personally Owned Vehicles (POVs) will demand more Level 2 and Direct Current (DC) fast chargers to provide fast charging capabilities at over 800 military bases around the country and more than 30 bases in California. Level 2 chargers are adequate for GOV users as they can charge overnight.

However, military POV owners often have restricted use to military charging stations. The availability of high-power charging, such as DC fast chargers, will become increasingly important to provide military personnel charging support for their POVs.

Goal of the Agreement:

The goal of this Agreement is to provide Level 2 and DC fast charging for both GOVs and POVs to support California's transition to a zero-emission transportation sector.

Objective of the Agreement:

The objective of this Agreement is to procure and install five dual port Level 2 EV chargers and one dual port DC fast charger at Naval Base San Diego (NBSD).

TASK 1 ADMINISTRATION

Task 1.1 Attend Kick-off Meeting

The goal of this task is to establish the lines of communication and procedures for implementing this Agreement. The Commission Agreement Manager (CAM) shall designate the date and location of this meeting and provide an agenda to the Recipient prior to the meeting.

The Recipient shall:

- Attend a "Kick-Off" meeting with the CAM, the Commission Agreement Officer

(CAO), and a representative of the CEC Accounting Office. The Recipient shall bring their Project Manager, Agreement Administrator, Accounting Officer, and any others determined necessary by the Recipient or specifically requested by the CAM to this meeting.

- Provide a written statement of project activities that have occurred after the notice of proposed awards but prior to the execution of the agreement using match funds. If none, provide a statement that no work has been completed using match funds prior to the execution of the agreement. All pre-execution match expenditures must conform to the requirements in the Terms and Conditions of this Agreement.
- Discuss the following administrative and technical aspects of this Agreement:
 - Agreement Terms and Conditions
 - Critical Project Review (Task 1.2)
 - Match fund documentation (Task 1.7) No reimbursable work may be done until this documentation is in place.
 - Permit documentation (Task 1.8)
 - Subawards needed to carry out project (Task 1.9)
 - The CAM's expectations for accomplishing tasks described in the Scope of Work
 - An updated Schedule of Products and Due Dates
 - Monthly Calls (Task 1.4)
 - Quarterly Progress Reports (Task 1.5)
 - Technical Products (Product Guidelines located in Section 5 of the Terms and Conditions)
 - Final Report (Task 1.6)

Recipient Products:

- Updated Schedule of Products
- Updated List of Match Funds
- Updated List of Permits
- Written Statement of Match Share Activities

Commission Agreement Manager Product:

- Kick-Off Meeting Agenda

Task 1.2 Critical Project Review (CPR) Meetings

CPRs provide the opportunity for frank discussions between the CEC and the Recipient. The goal of this task is to determine if the project should continue to receive CEC funding to complete this Agreement and to identify any needed modifications to the tasks, products, schedule or budget.

The CAM may schedule CPR meetings as necessary, and meeting costs will be borne by the Recipient.

Meeting participants include the CAM and the Recipient and may include the CAO, the Fuels

and Transportation Division (FTD) program lead, other CEC staff and Management as well as other individuals selected by the CAM to provide support to the CEC.

The CAM shall:

- Determine the location, date, and time of each CPR meeting with the Recipient. These meetings generally take place at the CEC, but they may take place at another location or remotely.
- Send the Recipient the agenda and a list of expected participants in advance of each CPR. If applicable, the agenda shall include a discussion on both match funding and permits.
- Conduct and make a record of each CPR meeting. Prepare a schedule for providing the written determination described below.
- Determine whether to continue the project, and if continuing, whether or not modifications are needed to the tasks, schedule, products, and/or budget for the remainder of the Agreement. Modifications to the Agreement may require a formal amendment (please see section 8 of the Terms and Conditions). If the CAM concludes that satisfactory progress is not being made, this conclusion will be referred to the Lead Commissioner for Transportation for his or her concurrence.
- Provide the Recipient with a written determination in accordance with the schedule. The written response may include a requirement for the Recipient to revise one or more product(s) that were included in the CPR.

The Recipient shall:

- Prepare a CPR Report for each CPR that discusses the progress of the Agreement toward achieving its goals and objectives. This report shall include recommendations and conclusions regarding continued work of the projects. This report shall be submitted along with any other products identified in this scope of work. The Recipient shall submit these documents to the CAM and any other designated reviewers at least 15 working days in advance of each CPR meeting.
- Present the required information at each CPR meeting and participate in a discussion about the Agreement.

CAM Products:

- Agenda and a list of expected participants
- Schedule for written determination
- Written determination

Recipient Product:

- CPR Report(s)

Task 1.3 Final Meeting

The goal of this task is to closeout this Agreement.

The Recipient shall:

- Meet with CEC staff to present the findings, conclusions, and recommendations.

The final meeting must be completed during the closeout of this Agreement. This meeting will be attended by, at a minimum, the Recipient and the CAM. The technical and administrative aspects of Agreement closeout will be discussed at the meeting, which may be two separate meetings at the discretion of the CAM.

The technical portion of the meeting shall present an assessment of the degree to which project and task goals and objectives were achieved, findings, conclusions, recommended next steps (if any) for the Agreement, and recommendations for improvements. The CAM will determine the appropriate meeting participants.

The administrative portion of the meeting shall be a discussion with the CAM about the following Agreement closeout items:

- What to do with any equipment purchased with CEC funds (Options)
- CEC request for specific “generated” data (not already provided in Agreement products)
- Need to document Recipient’s disclosure of “subject inventions” developed under the Agreement
- “Surviving” Agreement provisions
- Final invoicing and release of retention
- Prepare a schedule for completing the closeout activities for this Agreement.

Products:

- Written documentation of meeting agreements
- Schedule for completing closeout activities

Task 1.4 Monthly Calls

The goal of this task is to have calls at least monthly between 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.

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.

Task 1.5 Quarterly Progress Reports

The goal of this task is to periodically 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 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, and to form the basis for determining whether invoices are consistent with work performed.

The Recipient shall:

- Prepare a Quarterly Progress Report which summarizes all Agreement activities conducted by the Recipient for the reporting period, including 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>.

Product:

- Quarterly Progress Reports

Task 1.6 Final Report

The goal of the Final Report is to assess the project's success in achieving the Agreement's goals and objectives, advancing science and technology, and providing energy-related and other benefits to California.

The objectives of the Final Report are to clearly and completely describe the project's purpose, approach, activities performed, results, and advancements in science and technology; to present a public assessment of the success of the project as measured by the degree to which goals and objectives were achieved; to make insightful observations based on results obtained; to draw conclusions; and to make recommendations for further projects and improvements to the FTD project management processes.

The Final Report shall be a public document and limited to 25-pages. If the Recipient has obtained confidential status from the CEC and will be preparing a confidential version of the Final Report as well, the Recipient shall perform the following activities for both the public and confidential versions of the Final Report.

In addition to any other applicable requirements, the Final Report must comply with the Americans with Disabilities Act (ADA) of 1990 (42 U.S.C. 12101 et seq.), which prohibits discrimination on the basis of disability; all applicable regulations and guidelines issued pursuant to the ADA; Cal. Gov. Code sects. 7405 and 11135; and Web Content Accessibility Guidelines 2.0, or a subsequent version, as published by the Web Accessibility Initiative of the World Wide Web Consortium at a minimum Level AA success criteria.

The Recipient shall:

- Prepare an Outline of the Final Report, if requested by the CAM.

- Prepare a Final Report complying with ADA requirements and following the latest version of the Final Report guidelines which will be provided by the CAM. The CAM shall provide written comments on the Draft Final Report within fifteen (15) working days of receipt. The Final Report must be completed at least 60 days before the end of the Agreement Term.
- Submit Final Report in Microsoft Word format or similar electronic format as approved by the CAM.

Products:

- Outline of the Final Report, if requested
- Draft Final Report
- Final Report

Task 1.7 Identify and Obtain Matching Funds

The goal of this task is to ensure that the match funds planned for this Agreement are obtained for and applied to this Agreement during the term of this Agreement.

The costs to obtain and document match fund commitments are not reimbursable through this Agreement. Although the CEC budget for this task will be zero dollars, the Recipient may utilize match funds for this task. Match funds must be identified in writing and the associated commitments obtained before the Recipient can incur any costs for which the Recipient will request reimbursement.

The Recipient shall:

- Prepare a letter documenting the match funding committed to this Agreement and submit it to the CAM at least 2 working days prior to the kick-off meeting. If no match funds were part of the proposal that led to the CEC awarding this Agreement and none have been identified at the time this Agreement starts, then state such in the letter. If match funds were a part of the proposal that led to the CEC awarding this Agreement, then provide in the letter a list of the match funds that identifies the:
 - Amount of each cash match fund, its source, including a contact name, address and telephone number and the task(s) to which the match funds will be applied.
 - Amount of each in-kind contribution, a description, documented market or book value, and its 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 shall identify its owner and provide a contact name, address and telephone number, and the address where the property is located.
- Provide a copy of the letter of commitment from an authorized representative of each source of cash match funding or in-kind contributions that these funds or contributions have been secured. For match funds provided by a grant a copy of the executed grant shall be submitted in place of a letter of commitment.
- Discuss match funds and the implications to the Agreement if they are reduced or not obtained as committed, at the kick-off meeting. If applicable, match funds will be included as a line item in the progress reports and will be a topic at CPR

meetings.

- Provide the appropriate information to the CAM if during the course of the Agreement additional match funds are received.
- Notify the CAM within 10 days if during the course of the Agreement existing match funds are reduced. Reduction in match funds must be approved through a formal amendment to the Agreement and may trigger an additional CPR meeting.

Products:

- A letter regarding match funds or stating that no match funds are provided
- Copy(ies) of each match fund commitment letter(s) (if applicable)
- Letter(s) for new match funds (if applicable)
- Letter that match funds were reduced (if applicable)

Task 1.8 Identify and Obtain Required Permits

The goal of this task 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. Although the CEC budget for this task will be zero dollars, the Recipient may budget match funds for any expected expenditures associated with obtaining permits. Permits must be identified in writing and obtained before the Recipient can make any expenditure for which a permit is required.

The Recipient shall:

- Prepare a letter documenting the permits required to conduct this Agreement and submit it to the CAM at least 2 working days prior to the kick-off meeting. If there are no permits required at the start of this Agreement, then state such in the letter. If it is known at the beginning of the Agreement that permits will be required during the course of the Agreement, provide in the letter:
 - A list of the permits that identifies the:
 - Type of permit
 - Name, address and telephone number of the permitting jurisdictions or lead agencies
 - The schedule the Recipient will follow in applying for and obtaining these permits.
- Discuss the list of permits and the schedule for obtaining them at the kick-off meeting and develop a timetable for submitting the updated list, schedule and the copies of the permits. The implications to the Agreement 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 the Progress Reports and will be a topic at CPR meetings.
- If during the course of the Agreement additional permits become necessary, provide the appropriate information on each permit and an updated schedule to the CAM.
- As permits are obtained, send a copy of each approved permit to the CAM.

- If during the course of the Agreement permits are not obtained on time or are denied, notify the CAM within 5 working days. Either of these events may trigger an additional CPR.

Products:

- Letter documenting the permits or stating that no permits are required
- A copy of each approved permit (if applicable)
- Updated list of permits as they change during the term of the Agreement (if applicable)
- Updated schedule for acquiring permits as changes occur during the term of the Agreement (if applicable)
- A copy of each final approved permit (if applicable)

Task 1.9 Obtain and Execute Subawards

The goal of this task is to ensure quality products and to procure subrecipients required to carry out the tasks under this Agreement consistent with the Agreement Terms and Conditions and the Recipient’s own procurement policies and procedures.

The Recipient shall:

- Manage and coordinate subrecipient activities.
- If requested by the CAM, submit a draft of each subaward required to conduct the work under this Agreement to the CAM for review.
- If requested by the CAM, submit a final copy of the executed subaward.
- If Recipient intends to add new subrecipients or change subrecipients, then the Recipient shall notify the CAM.

Products:

- Letter describing the subawards needed, or stating that no subawards are required
- Draft subcontracts (if requested)
- Final subcontracts (if requested)

TECHNICAL TASKS

TASK 2 Site Assessment

The goal of this task is to evaluate the site in preparation for EV charging infrastructure installation in compliance with Federal Contract number HQ08452290065 amendment P0001.

The Recipient shall:

- Identify site specific requirements and complete a Logistics and Site Evaluation Report which provides information about the area (e.g., available power, existing site features) to install the EV chargers in relation to the delivery objectives related to CEC funding.
- Complete Conceptual Design and POV Enrollment Outreach which includes but is not

limited to coordinating with the United States Department of the Navy (DON) during initial stages of preliminary design to conduct outreach to potential stakeholders to determine the level of interest in the outcome of the project, and number of EVs expected to leverage the new EV charging system in relation to the delivery objectives related to CEC funding.

Products:

- Logistics and Site Evaluation Report (approved for distribution by the DON).
- Conceptual Design and POV Enrollment Outreach (approved for distribution by the DON).

TASK 3 Design and Procurement

The goal of this task is to finalize the site design and procure and deliver five dual port Level 2 chargers and one dual port DC fast charger to NBSD to meet the Navy's prototype electrification project schedule in compliance with Federal Contract number HQ08452290065 amendment P0001.

The Recipient shall:

- Complete a Final Design package that accounts for site outreach findings and includes but is not limited to the location of underground utilities, design specifications, and technical drawings.
- **Ensure** the chosen site will not involve the removal of healthy, mature, or scenic trees in accordance with Cal. Code Regs., Title 14, Sec. 15304.
- Procure five dual port Level 2 chargers and one dual port DC fast charger.
- Oversee Factory Acceptance Test of chargers.
- Confirm delivery and receipt of chargers to NBSD at designated locations.

Products:

- Final Design (approved for distribution by the DON).
- Receipt of delivery of Level 2 and DC fast charger (approved for distribution by the DON).

TASK 4 Installation and Commissioning

The goal of this task is to perform necessary construction activities such as underground utilities and pouring foundations; canopy installation; Level 2 and DC fast charger installation and commissioning; testing and training; and obtaining project signoff in compliance with Federal Contract number HQ08452290065 amendment P0001.

The Recipient shall:

- Perform de-energization and removal of existing switchboard and fence.
- Excavate and, if necessary, modify underground utilities.
- Ensure that installation and commissioning for the project will not require the removal of healthy, mature, or scenic trees in accordance with Cal. Code Regs., Title 14, Sec. 15304.
- Conduct backfills, compaction testing, preparing foundations and equipment pad prep, and repaving.

- Install chargers and switchboard, and complete service terminations.
- Install fence around switchboard.
- Test connectors and conductors, coordinate testing with stakeholders, verify security requirements are in place and operating, and conduct comprehensive testing and commissioning of chargers.
- Conduct one (1) train the trainer session on EV charger operations, maintenance, and warranty specifications.
- Submit an AB 841 Certification that certifies the project has complied with all AB 841 (2020) requirements specified in Exhibit C or describes why the AB 841 requirements do not apply to the project. The certification shall be signed by Recipient's authorized representative.
- Submit EVITP Certification Numbers of each Electric Vehicle Infrastructure Training Program certified electrician that installed electric vehicle charging infrastructure or equipment. EVITP Certification Numbers are not required to be submitted if AB 841 requirements do not apply to the project.
- Complete an Installation and Commissioning Report.

Products:

- Installation and Commissioning Report (approved for distribution by the DON).
- AB 841 Certification (approved for distribution by the DON).
- EVITP Certification Numbers (approved for distribution by the DON).

[CPR WILL OCCUR DURING THIS TASK. See Task 1.2 for details.]

TASK 5 Data Collection and Analysis

The goal of this task is to collect operational data from the project and to analyze that data for economic and environmental impacts.

The Recipient shall:

- For all EV chargers and charging stations installed on or after January 1, 2024:
 - Comply with recordkeeping and reporting standards as described in CEC's regulations. These requirements are not applicable to those electric vehicle chargers and charging stations installed at residential real property containing four or fewer dwelling units.
 - Comply with all industry best practices and charger technology capabilities that are demonstrated to increase reliability, as described in CEC's regulations.
 - Without limitation to other requirements in this grant agreement, Recipient shall comply with any other regulatory requirements, including but not limited to uptime requirements and operation and maintenance requirements. Such regulatory requirements may, but will not necessarily, be enacted after execution of this grant agreement. Once regulations are final, they will apply to work under this grant agreement irrespective of when finalized. Any updates to regulations may also be applicable to work under this grant

agreement.

- If the Recipient is an electric vehicle service provider or other third-party entity that is not the site host, the electric vehicle service provider or third-party entity shall provide a disclosure to the site host about the site host's right to designate the service provider or third-party as the entity to report the data on behalf of the site host. The Recipient shall verify receipt by signing the disclosure.
- Collect and provide the following data:
 - Number, type, date, and location of chargers installed.
 - Nameplate capacity of the installed equipment, in kW for chargers.
 - Number and type of outlets per charger.
 - Location type, such as street, parking lot, hotel, restaurant, or multi-unit housing.
 - Total cost per charger, the subsidy from the CEC per charger, federal subsidy per charger, utility subsidy per charger, and privately funded share per charger.
- Collect and provide 12 months of throughput, usage, and operations data from the project including, but not limited to:
 - Number of charging sessions.
 - Average charger or refueling station downtime.
 - Peak power delivered (kW).
 - Duration of active charging, hourly.
 - Duration of charging session, hourly (e.g., vehicle parked but not actively charging).
 - Average session duration.
 - Energy delivered (kWh).
 - Average kWh or kg dispensed.
 - Types of vehicles using the charging equipment.
 - Applicable price for charging, including but not limited to: electric utility tariff, EVSP service contract, or public charger price.
 - Payment method for public charging.
 - Energy delivered back to grid or facility if a bidirectional charging use case (kWh).
 - Maximum capacity of the new fueling system.
 - Normal operating hours, up time, downtime, and explanations of variations.
 - Gallons of gasoline and/or diesel fuel displaced (with associated mileage information).
 - Expected air emissions reduction, for example:

- Non-methane hydrocarbons.
 - Oxides of nitrogen.
 - Particulate Matter.
 - Formaldehyde.
- Duty cycle of the current fleet and the expected duty cycle of future vehicle acquisitions.
- Identify any current and planned use of renewable energy at the facility.
- Identify the source of the alternative fuel.
- Describe any energy efficiency measures used in the facility that may exceed Title 24 standards in Part 6 of the California Code Regulations.
- Provide data on potential job creation, economic development, and increased state revenue as a result of expected future expansion.
- Provide a quantified estimate of the project's carbon intensity values for life-cycle greenhouse gas emissions.
- Compare any project performance and expectations provided in the proposal to CEC with actual project performance and accomplishments.

Products:

- Data collection information and analysis (approved for distribution by the DON).

TASK 6 Project Fact Sheet

The goal of this task is to develop an initial and final project fact sheet that describes the CEC-funded project and the benefits resulting from the project for the public and key decision makers.

The Recipient shall:

- Prepare an Initial Project Fact Sheet at start of the project that describes the project and the expected benefits. Use the format provided by the CAM.
- Prepare a Final Project Fact Sheet at the project's conclusion that describes the project, the actual benefits resulting from the project, and lessons learned from implementing the project. Use the format provided by the CAM.
- 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:

- Initial Project Fact Sheet (approved for distribution by the DON).
- Final Project Fact Sheet (approved for distribution by the DON).
- High Quality Digital Photographs (approved for distribution by the DON).

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: TechFlow, Inc.

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 ZVI-22-028 with TechFlow, Inc. for a \$413,928 grant to deploy five Level 2 and one DCFC EV charging systems. This agreement will jointly fund EV charger infrastructure installations at Naval Base San Diego under federal contract HQ08452290065, amended by modification P0001. The U.S. Department of the Navy funded \$750,000 of the project cost; 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 January 25, 2023.

AYE:
NAY:
ABSENT:
ABSTAIN:

Dated:

Liza Lopez
Secretariat