



STATE OF CALIFORNIA

GRANT REQUEST FORM (GRF)

CEC-270 (Revised 12/2019)

CALIFORNIA ENERGY COMMISSION

A) New Agreement # ZVI-22-009 (to be completed by CGL office)

B) Division	Agreement Manager:	MS-	Phone
600 Fuels and Transportation Division	Esther Odufuwa	44	916-897-3612

C) Recipient's Legal Name	Federal ID #
Anaheim Transportation Network (ATN)	33-0688792

D) Title of Project
ElectrifyAnaheim: ATN Microgrid Project

E) Term and Amount

Start Date	End Date	Amount
9 / 14 / 2022	03 / 31 / 2026	\$ 5,000,000

F) Business Meeting Information

☐ ARFVTP agreements \$75K and under delegated to Executive Director

Proposed Business Meeting Date 9 / 14 / 2022 ☐ Consent ☒ Discussion

Business Meeting Presenter Esther Odufuwa Time Needed: 5 minutes

Please select one list serve. **Altfuels (AB118- ARFVTP)**

Agenda Item Subject and Description:

Proposed resolution approving Agreement ZVI-22-009 with ATN for a \$5,000,000 grant to install EV charging infrastructure and microgrids to support 50 electric transit buses, and adopting staff's determination that this action is exempt from CEQA. (General Fund Funding) Contact: Esther Odufuwa (Staff Presentation: 5 minutes)

G) California Environmental Quality Act (CEQA) Compliance

1. 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":

2. If Agreement is considered a "Project" under CEQA:

a) ☐ Agreement **IS** exempt.

☒ Statutory Exemption. List PRC and/or CCR section number: PRC 21080.25(b)(6) provides that a project to construct or maintain infrastructure to charge or refuel zero-emission transit buses, provided the project is carried out by a public transit agency that is subject to, and in compliance with, the State Air Resources Board's Innovative Clean Transit (ICT) regulations (Article 4.3 (commencing with Section 2023) of Chapter 1 of Division 3 of Title 13 of the California Code of Regulations) and the project is located on property owned by the transit agency or within an existing public right-of-way, is exempt from the requirements of CEQA.

This project would construct the infrastructure to charge zero-emission transit buses, including installation of battery energy storage; 800kW and 200kW electrical vehicle supply equipment; a 150 kW DC charger; and associated interconnections and electrical service. The project would be carried out by Anaheim Transportation Network (ATN), which is a public transit agency that is subject to, and in compliance with, the State Air



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Resources Board's ICT regulations. The project is located at 1213 and 1227 South Claudina Street, and 1354 South Anaheim Boulevard. ATN owns all three of these properties. For these reasons, this project is exempt from CEQA.

☐ Categorical Exemption. List CCR section number:

☐ 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)

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: (attach additional sheets as necessary)

Legal Company Name:	Budget
ANSER ADVISORY MANAGEMENT LLC.	\$ 215,938.00
AMPLY POWER INC.	\$ 3,386,834.00
CALSTART, INC.	\$ 296,111.00

I) List all key partners: (attach additional sheets as necessary)

Legal Company Name:
BYD MOTORS INC.
AMERICAS INSTANT SIGNS

J) Budget Information

Funding Source	Funding Year of Appropriation	Budget List Number	Amount
General Funds	FY 21/22	601.129TBA	\$5,000,000
Funding Source			\$
Funding Source			\$
Funding Source			\$
Funding Source			\$

R&D Program Area: **Select Program Area** TOTAL: \$

Explanation for "Other" selection

Reimbursement Contract #:

Federal Agreement #:

K) Recipient's Contact Information**1. Recipient's Administrator/Officer**

Name: Jim Appleby

Address: 1354 S. Anaheim Blvd.

City, State, Zip: Anaheim, CA, 92805



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Phone: (714) 563-5287

E-Mail: jappleby@atnnetwork.org

2. Recipient's Project Manager

Name: Jim Appleby

L) Selection Process Used

- ☒ Competitive Solicitation Solicitation #: GFO-20-602
- ☐ 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 type="checkbox"/> | | <input type="checkbox"/> Attached |
| 5. CEQA Documentation | <input type="checkbox"/> | | <input 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		Design and Development
3	X	Build, Install and Commission
4	X	Demonstration and Evaluation
5		Data Collection and Analysis
6		Project Fact Sheet

KEY NAME LIST

Task #	Key Personnel	Key Subcontractor(s)	Key Partner(s)
1	Diana Kotler – Anaheim Transportation Network (ATN) Jim Appleby - ATN	CALSTART, Inc. (CALSTART) Anser Advisory, LLC. (Anser) AMPLY Power, Inc. (AMPLY)	
2	Diana Kotler – ATN Jim Appleby - ATN	Anser AMPLY	
3	Diana Kotler – ATN Jim Appleby - ATN	Anser AMPLY Rec Solar, Inc.	
4	Diana Kotler – ATN Jim Appleby - ATN	CALSTART, Inc.	
5	Diana Kotler – ATN Jim Appleby - ATN	CALSTART, Inc.	

6	Diana Kotler – ATN Jim Appleby - ATN	CALSTART, Inc.	
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GLOSSARY

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

Term/ Acronym	Definition
ATN	Anaheim Transportation Network
BEB	Battery Electric Bus
CAM	Commission Agreement Manager
CAO	Commission Agreement Officer
CEC	California Energy Commission
Clean Transportation Program	Formerly known as Alternative and Renewable Fuel and Vehicle Technology Program
CPR	Critical Project Review
EV	Electric Vehicle
FTD	Fuels and Transportation Division
Recipient	Anaheim Transportation Network

BACKGROUND

The Budget Act of 2021 (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.

On July 22, 2020, the CEC released a Grant Funding Opportunity entitled GFO-20-602 “Zero-Emission Transit Fleet Infrastructure Deployment”. This competitive grant solicitation was to fund projects that will support the large-scale conversion of transit bus fleets to zero-emission vehicles (ZEVs) at multiple transit agencies serving diverse geographic regions and populations. In response to GFO-20-602, the Recipient submitted Application #2, which was proposed for funding in the CEC’s Notice of Proposed Awards on February 22, 2021. GFO-20-602 and the Recipient’s application are hereby incorporated by reference into this Agreement in their entirety.

In the event of any conflict or inconsistency between the terms of the Solicitation and the terms of the Recipient's Application, the Solicitation shall control. In the event of any conflict or inconsistency between the Recipient's Application and the terms of CEC's Award, CEC's Award shall control. Similarly, in the event of any conflict or inconsistency between the terms of this Agreement and the Recipient's Application, the terms of this Agreement shall control.

Problem Statement:

Recipient is facing several problems which includes the following: the current buses in the fleet are contributing to environmental GHG emissions; Recipient will not be able to effectively charge and fully operationalize its incoming delivery of battery electric buses (BEBs), increasing charging costs and negatively impacting peak demand on the electric grid; and Recipient lacks funding for electric vehicle (EV) infrastructure charging equipment. This public entity is not in the private marketplace and is ultimately responsible for implementing solutions to the problems above.

This Agreement is timely because Recipient is on-boarding new electric buses. This Agreement includes installation of charging infrastructure which will enable an optimal EV designed charging system during lowest grid peak energy demand yet still provide 100% operational availability and replace GHG emitting buses.

Goals of the Agreement:

The goal of this Agreement is to advance the efforts of Recipient to fully electrify the Recipient's fleet by installing electric vehicle charging infrastructure and two microgrids to support 50 electric transit buses acquired with match funds.

Objectives of the Agreement:

The objectives of this Agreement are to reduce GHGs and eventually eliminate emissions by the Recipient bus fleet, maximize off-grid low-cost EV charging of its buses, avoid utilizing the grid at peak demand periods, and have the bus fleet available and operating at 100%.

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. 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 one bound copy of the Final Report with the final invoice.

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 DESIGN AND DEVELOPMENT

The goal of this task is to create and obtain City-approved design and engineering drawings and related items for the EV infrastructure construction project and make the purchase order for the buses.

The Recipient shall:

- Create design and engineering drawings incorporating the foundation, electrical charging equipment, controller, and grid interconnection.
- Review draft design and engineering drawings and make any appropriate changes.
- Complete final engineering review of engineered drawings.
- Provide a copy of final system design to the CAM.
- Obtain approval and engineering stamp of engineered drawings.
- Provide a copy of approved and stamped engineering drawings and related information, including certificates with a narrative summary of what the final engineering project allows in PV Panels and battery backup size to the CAM.
- Prepare a bus order list and timeline for bus acquisition. Provide a copy to the CAM.
- Purchase buses.
- Document purchase of the buses. Provide a confirmation of the bus procurement to the CAM.

Products:

- Final system design
- Stamped engineering drawings
- Bus order list and timeline
- Confirmation of bus procurement

TASK 3 BUILD, INSTALL AND COMMISSION

Task 3.1 Foundation Work

The goal of this task is to build the required foundation for the infrastructure and related equipment as required in the approved stamped engineering drawings.

The Recipient shall:

- Design to validate materials.
- Order materials.
- Pour concrete.
- Provide photographs to the CAM of foundation work in progress.
- Finish concrete and related foundation work to prepare for construction.
- Provide photographs to the CAM of foundation work completed.
- Obtain contractor and city inspection sign-off of foundation.
- Provide a copy of the signed statement from the contractor attesting to the satisfactory completion of the foundation to the CAM.
- Provide a copy of the city inspector's report to the CAM.

Products:

- Photographs of foundation work in progress
- Photographs of foundation work completed
- Signed statement from the contractor
- City inspector's report

Task 3.2 Construct Microgrid

The goal of this task is to construct microgrids at the two different sites to provide electric charging for the EV infrastructure equipment. During this task, the subcontractor will also purchase green electricity for the EV buses.

The Recipient shall:

- Conduct pre-electrical work.
- Install controller and EV chargers.
- Provide photographs to the CAM of the installation process and completion.
- Obtain power purchase agreement.
- Connect microgrid to the grid via the power purchase agreement.
- Test microgrid and make any necessary changes or calibrations.

- Provide a copy of the microgrid test results to the CAM.
- Certify and commission microgrid.
- Provide a copy of the certification of testing and commissioning to the CAM.
- Provide a copy of the Inspection and Certification by utility company of connection of microgrid to the grid to the CAM.

Products:

- Photographs of installation process and completion
- Microgrid test results
- Certification of testing and commissioning
- Inspection and Certification

Task 3.3 Grid Interconnection / Upgrades

The goal of this task is to connect the microgrid and the EV charging equipment to the utility electric grid.

The Recipient shall:

- Negotiate and approve grid interconnection agreement with utility company.
- Provide a copy of the approved interconnection agreement to the CAM.
- Upgrade any existing grid infrastructure needed to handle capacity in coordination with the utility company.
- Install new grid connection equipment necessary for the project in coordination with the utility company.
- Provide photographs to the CAM of grid interconnection implementation.
- Request that utility company inspect the work and provide a copy of the utility inspecting report to the CAM.
- Test work in coordination with the utility company and provide a copy of the testing report to the CAM.
- Obtain certification from utility company that grid connection is completed and usable.
- Provide certification from utility company that grid connection is completed and usable to the CAM.
- Commission grid interconnection.

Products:

- Approved interconnection agreement
- Photographs of grid interconnection implementation
- Utility inspection report
- Testing report
- Certification from utility company that grid connection is completed and usable

Task 3.4 Solar Installation

The goal of this task is to install a solar array.

The Recipient shall:

- Conduct engineering and design work for solar array.
- Obtain stamped engineering drawings, approved permits, and related information for the solar installation.
- Provide a copy of the stamped engineering drawings, approved permits, and related information to the CAM.
- Construct a solar installation as outlined in the plans provided.
- Obtain an engineer-certified signed statement of completion for the solar project and photographs. Provide a copy to the CAM.
- Obtain the city inspector's report attesting to the same. Provide a copy to the CAM.

Products:

- Stamped engineering drawings, approved permits, and related information
- Certified statement of completion and photographs
- City inspector's report

Task 3.5 Install Signage

The goal of this task is to install signage to promote the EV facility and the electric bus fleet.

The Recipient shall:

- Design and obtain approval for signage.
- Procure signage.

- Install signage.
- Provide photographs of installed signage to the CAM.
- Obtain a signed letter from contractor attesting to signage project completion and provide a copy to the CAM.

Products:

- Photographs of installed signage
- Signed letter from contractor

Task 3.6 Safety Training

The goal of this task is to train Recipient and other appropriate staff on use and safety requirements of EV chargers and related charging equipment.

The Recipient shall:

- Produce training manuals and testing materials on use and safety requirements of EV charging equipment.
- Provide training manuals and testing materials to the CAM.
- Provide EV charging and related equipment training manuals to all appropriate staff.
- Train all appropriate employees on use and safety requirements of EV charging equipment.
- Test all appropriate employees on use and safety requirements of EV charging and related equipment.
- Develop a plan for refresher and continuing education training and staffing for new employees and how they will be on-boarded in the future.
- Implement an ongoing program of refresher training and testing and any appropriate continuing education requirements.

Products:

- Training manuals
- Testing materials
- Continuing education plan

[CPR WILL BE HELD IN THIS TASK, see Task 1.2 for details]

TASK 4 DEMONSTRATION AND EVALUATION

The goal of this task is to identify and share the best practices associated with the demonstration of the charging station project capabilities.

The Recipient shall:

- Demonstrate the charging station capabilities
- Create an evaluation review form and provide a copy to the CAM.
 - Evaluate all contractors and subcontractors associated with the project.
- Complete a report of real requirements needed for efficient electric fueling and best practices.
 - Incorporate analysis of the grid/off-grid use of the EV chargers in reducing and offsetting the load on the grid during peak times and advice for others trying to do the same.
 - Incorporate an analysis of the efficacy of this system in allowing the fleet's electric buses to be fully available to meet their schedule demand and advice for others trying to do the same.
 - Analyze the up time of the EV and related equipment and the performance of the Controller in managing the charging of the fleet's EV buses.

Products:

- Evaluation review form
- Report of real requirements needed for efficient electric fueling and best practices

[CPR WILL BE HELD IN 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 deployed infrastructure for all the 50 electric buses deployed at the site, to analyze that data for economic and environmental impacts, and to include the data and analysis in the Final Report. The microgrid performance data will be submitted monthly, and the total project economic and environmental impacts will be included in the Final Report. The data collection and analysis task will analyze and summarize how the project facilitates vehicle-charging interoperability, leverages open standards-based network communication, supports resiliency and grid reliability, and optimizes charging costs.

The Recipient shall:

- Acquire 50 BEBs and place into service.
- Develop data collection test plan.
- Collect and provide the following data:
 - Number, type, date, and location of chargers
 - 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 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)
 - Types of vehicles using the charging equipment
 - Applicable price for charging, including but not limited 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 charging 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 the use of renewable energy at the facility.
- Identify the source of the alternative fuel.
- Identify how the microgrid supports grid reliability and resiliency.
- 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:

- Proof of Acquisition of 50 BEB's and documentation of first date of service for each bus
- Operations Data Report
- Monthly performance reports of the charging system and microgrid performance
- Data collection information and analysis will be included in the Final Report

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
- Final Project Fact Sheet
- High Quality Digital Photographs

STATE OF CALIFORNIA
STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: Anaheim Transportation Network

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-22-009 with ATN for a \$5,000,000 grant to install EV charging infrastructure and microgrids to support 50 electric transit buses; 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 September 14, 2022.

AYE:
NAY:
ABSENT:
ABSTAIN:

Dated:

Liza Lopez
Secretariat