

THIRD AMENDMENT TO AND ASSIGNMENT OF
AGREEMENT NO. 20-3723
BETWEEN THE CITY OF LOS ANGELES
WEST BASIN CONTAINER TERMINAL LLC AND
WAVE WIRELESS CHARGING, LLC

THIS THIRD AMENDMENT to, and ASSIGNMENT of, Agreement No. 20-3723 is made and entered into by and between the CITY OF LOS ANGELES, a municipal corporation ("City"), acting by and through its Board of Harbor Commissioners ("Board"), WEST BASIN CONTAINER TERMINAL LLC and WAVE WIRELESS CHARGING, LLC as follows:

WHEREAS, in February 2020, City, West Basin Container Terminal LLC ("WBCT") and Wireless Advanced Vehicle Electrification, LLC entered into Subrecipient Agreement No. 20-3723 in furtherance of the City's grant agreement with the California Energy Commission ("CEC"), Agreement No. 19-3666, to install and demonstrate at WBCT's terminal advanced charging infrastructure to support battery-electric yard tractors; and

WHEREAS, since March 2022, CEC Agreement No. 19-3666 has been amended three times and Subrecipient Agreement No. 20-3723 has been amended two times to extend each agreement's term and modify certain terms and conditions; and

WHEREAS, this Third Amendment to Subrecipient Agreement No. 20-3723 is necessary to extend the term and incorporate the Fourth Amendment to CEC Agreement No. 19-3666; and

WHEREAS, pursuant to a bankruptcy proceeding in 2025, Wireless Advanced Vehicle Electrification, LLC was dissolved and its assets, including Subrecipient Agreement No. 20-3723, were assigned to a new entity, WAVE Wireless Charging, LLC, a Delaware limited liability company; and

WHEREAS, the parties wish to formalize the assignment of Subrecipient Agreement No. 20-3723 to WAVE Wireless Charging, LLC through this Third Amendment whereby WAVE Wireless Charging, LLC agrees to assume all rights and responsibilities of the Subrecipient Agreement as set forth herein and City and WBCT agree to such assignment and assumption;

NOW THEREFORE, IT IS MUTUALLY AGREED AS FOLLOWS:

1. Section III EFFECTIVE DATE AND TERM OF AGREEMENT, Subsection (B) (1) is amended to read:

"1. June 30, 2027; or"

2. Subrecipient Agreement No. 20-3723, attached hereto as Exhibit A, and the First and Second Amendments, attached hereto as Exhibit A-1 and A-2 respectively, are hereby assigned and assumed by WAVE Wireless Charging, LLC, who agrees to strictly comply with all terms, covenants and conditions of the Agreement and to operate in accordance with, and to assume all rights,

obligations, operations, restrictions, limitations and liabilities associated with the Agreement and its three amendments.

4. The Fourth Amendment to CEC Agreement No. 19-3666 is attached hereto as Exhibit B, which is made a part of this Agreement.

Except as amended herein, all remaining terms and conditions of Agreement No. 20-3723 shall remain in full force and effect.

The effective date of this Third Amendment shall be upon execution by the Executive Director after authorization of the Board and approval by City Council as required by Charter Section 373 and Administrative Code Section 10.5.

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IN WITNESS THEREOF, the parties hereto have executed this Third Amendment to Agreement No. 20-3723 on the date to the left of their signatures.

THE CITY OF LOS ANGELES, by its Board of Harbor Commissioners
By signing below, I attest that I have no personal, financial, beneficial, or familial interest in this Agreement.

Dated: _____

By _____
EUGENE D. SEROKA
Executive Director

Attest _____
AMBER M. KLESGES
Board Secretary

Dated: May 7, 2026

WEST BASIN CONTAINER TERMINAL LLC

By _____
XIN HE / President
(Print/type name and title)

Attest _____
KUAN-YU CHEN / CEO
(Print/type name and title)

Dated: April 28, 2026

WAVE WIRELESS CHARGING, LLC

By _____
(Stephen Skoller, ~~General Manager~~ Manager)

Attest _____
Tammy Myers, OPERATIONS
(Print/type name and title)

APPROVED AS TO FORM AND LEGALITY

May 13, 2026
HYDEE FELDSTEIN SOTO, City Attorney
Steven Y. Otera, General Counsel

By _____
Heather M. McCloskey, Deputy

Exhibit A

Harbor Department Agreement No. 20-3723

AGREEMENT NO. 20-3723

AGREEMENT BETWEEN
THE CITY OF LOS ANGELES,
WEST BASIN CONTAINER TERMINAL LLC AND
WIRELESS ADVANCED VEHICLE ELECTRIFICATION, INC.

THIS AGREEMENT ("Agreement") is made and entered into by and between the CITY OF LOS ANGELES, a municipal corporation ("City"), acting by and through its Board of Harbor Commissioners ("Board") and:

WEST BASIN CONTAINER TERMINAL LLC, a Delaware corporation, 2050 John S. Gibson Blvd., San Pedro, California 90731 (hereinafter "WBCT"); and

WIRELESS ADVANCED VEHICLE ELECTRIFICATION, INC., a Delaware corporation, 4752 West California Avenue, Suite B-400, Salt Lake City, Utah 84104 (hereinafter "WAVE").

Hereinafter, each firm may be referred to separately and generally as "Subrecipient" while both firms may be referred to collectively as "Subrecipients".

WHEREAS, in June 2018, the California Energy commission ("CEC") awarded the City of Los Angeles Harbor Department ("Department" or "Port") a grant in the amount of \$7,842,270 under its Alternative and Renewable Fuel and Vehicle Technology Program, Advanced Freight Vehicle Infrastructure Deployment solicitation; and

WHEREAS, to accept the grant award, the Department entered into a Project Grant Agreement with the CEC (CEC Agreement No. ARV-17-049); and

WHEREAS, the grant award will fund the Port of Los Angeles' Zero Emission Freight Vehicle Advanced Infrastructure Demonstration Project ("Project") to design, construct and demonstrate at marine terminals operated by WBCT 10 wireless electric charging stations for yard tractors, along with a battery storage system for control peak demand and two opportunity charging stations at break areas on the terminal; and

WHEREAS, Subrecipients will be responsible for undertaking certain aspects of the Project pursuant to the terms of this Agreement wherein each Subrecipient is responsible for a portion of the Project as set forth in this Agreement; and

WHEREAS, the Department will provide administrative oversight and pay a match share amount of \$312,500 for the purchase of ten yard tractors; contract with a third party for the station installation project using \$4,796,950 in grant funds; and act as fiduciary agent for reimbursement to WAVE for Project expenditures as set forth in this Agreement in an amount not to exceed \$3,045,320;

NOW, THEREFORE, IT IS MUTUALLY AGREED AS FOLLOWS:

I. SERVICES TO BE PERFORMED BY SUBRECIPIENTS

A. Each Subrecipient shall, to the satisfaction of City and in accordance with all local, state and federal rules and requirements, perform their respective portion of the Project as set forth in Grant Agreement, ARV-17-049, entered into between the CEC and City ("Grant Agreement"), attached hereto as Exhibit A and hereby made a part of this Agreement.

B. As provided for in Exhibit A, each Subrecipient shall furnish the services, materials, equipment, subsistence, transportation or other items necessary to perform their portion of the Project as set forth therein. In completing the Project, each Subrecipient shall utilize the cooperative efforts and contributions of the City and other Subrecipients in support of the Project.

C. Each Subrecipient acknowledges and agrees that any services it performs outside this Agreement are performed as a volunteer and shall not be compensable under this Agreement.

D. Each Subrecipient shall be subject to, and perform the Project in accordance with, the terms and conditions set forth in the Grant Agreement (including but not limited to the following sections in Exhibit C; Section 9, *Contracting and Procurement Procedures*; Section 23, *Certifications and Compliance*; and Section 27 *Payment of Prevailing Wages*) and with the terms and conditions set forth in this Agreement. Obligations under this Agreement, whether undertaken by a Subrecipient or its subconsultants, are and shall be the responsibility of that Subrecipient. Each Subrecipient acknowledges and agrees that this Agreement creates no rights in its subconsultants with respect to City and that obligations that may be owed to its subconsultants, including, but not limited to, the obligation to pay subconsultants for services performed, are those of each respective Subrecipient alone. Upon Executive Director's written request, a Subrecipient shall supply the Department with all agreements between it and its subconsultants.

II. SERVICES TO BE PERFORMED BY CITY

A. City shall furnish any Subrecipient, upon its request, all documents and papers in possession of City which may lawfully be supplied to Subrecipients and which are necessary for a Subrecipient to perform its respective obligations, including any amendments to the Grant Agreement.

B. City shall perform portions of the Project set forth in the Grant Agreement as the responsibility of the City.

C. The Executive Director or his or her designee is designated as the contract administrator for City and shall also decide any and all questions which may arise as to the quality or acceptability of the services performed and the manner of

performance, the interpretation of instructions to each Subrecipient and the acceptable completion of this Agreement, the Grant Agreement and the amount of reimbursement due. Notwithstanding the preceding, the termination of this Agreement shall be governed by the provisions of Article XI (Termination) hereof.

III. EFFECTIVE DATE AND TERM OF AGREEMENT

A. Subject to the provisions of Charter Section 245, the effective date of this Agreement shall be the date of its execution by Executive Director upon authorization of the Board. Subrecipients are aware that the City Council, pursuant to Charter Section 245 of the City of Los Angeles, has the right to review this Agreement. Accordingly, in no event shall this Agreement become effective until after the expiration of the fifth Council meeting day after Board action or the date of City Council's approval of the Agreement.

B. This Agreement shall be in full force and effect commencing from the date of execution and shall continue until the earlier of the following occurs:

1. Three (3) years have lapsed from the effective date of this Agreement; or
2. Funding under the Grant Agreement is no longer available for any reason. City shall provide written notice to Subrecipients and the amount of reimbursement available and due to each Subrecipient shall be determined by the CEC and the terms of the Grant Agreement. Each Subrecipient shall remain responsible for complying with their respective reporting and recordkeeping requirements; or
3. The Board of Harbor Commissioners, in its sole discretion, terminates and cancels all or part of this Agreement for any reason upon giving to Subrecipients ten (10) days' notice in writing of its election to cancel and terminate this Agreement. Each Subrecipient shall be entitled to reimbursement for expenses incurred in accordance with this Agreement and the Grant Agreement as of the date the ten days notice period ends. City shall determine the amount of reimbursement due to each Subrecipient, which shall be determined in accordance with the Grant Agreement. Each Subrecipient shall remain responsible for complying with their respective reporting and recordkeeping requirements; or
4. In the event that any Subrecipient, in its sole discretion, terminates and cancels all or any part of this Agreement for any reason upon giving to City and the other Subrecipients ten (10) days' notice in writing of its election to cancel and terminate this Agreement, the Agreement shall be terminated with respect to that Subrecipient. City and remaining Subrecipients shall meet and confer on whether and to what extent the Project may continue without the terminating Subrecipient's participation. The terminating Subrecipient shall be entitled to reimbursement for expenses incurred in accordance with the Grant

Agreement, which amount shall be determined by the CEC. Each Subrecipient shall remain responsible for complying with their respective reporting and recordkeeping requirements.

IV. REIMBURSEMENT AND PAYMENT

A. As reimbursement for the Project as set forth in the Grant Agreement and as required by this Agreement, City shall reimburse Subrecipients in the amounts set forth in Exhibit A. Subrecipients agree that timing requirements of the Project shall obligate a Subrecipient to make expenditures for the Project prior to reimbursement by City. The parties also acknowledge and agree that the City shall not be obligated to reimburse any Subrecipient for expenditures made for the Project unless and until payment has been authorized, approved and all funds (minus retention amounts held by the CEC) are released by the CEC to the City pursuant to the Grant Agreement. The parties agree that CEC shall be authorized to withhold a certain amount from the full payment amount in retention pursuant to the terms of the Grant Agreement.

B. The maximum amount to be reimbursed to WAVE pursuant to this Agreement and the Grant Agreement shall be Three Million Forty Five Thousand Three Hundred Twenty Dollars (\$3,045,320).

C. Any Subrecipient seeking reimbursement shall submit documentation and invoices to City on a monthly basis, or as otherwise authorized by the Grant Agreement, following the effective date of this Agreement for Project activities performed during the preceding month. Each such invoice shall be signed by the Subrecipient and shall include the following certification:

"I certify under penalty of perjury that the above bill is just and correct according to the terms of Agreement No. _____ and that payment has not been received. I further certify that I have complied with the provisions of the City's Living Wage Ordinance.

(Subrecipient's Signature)

D. Subrecipients must include on the face of each itemized invoice submitted for payment its Business Tax Registration Certificate number, as required at Article VIII of this Agreement. No invoice will be processed for payment by City without this number shown thereon. All invoices shall be approved by the Executive Director or his or her designee prior to payment. All invoices due and payable and found to be in order shall be paid as soon as, in the ordinary course of City business, the same may be approved, audited and paid.

Subrecipients shall submit appropriate supporting documents with each invoice. Such documents may include provider invoices, payrolls, and time sheets. The City may require, and a Subrecipient shall provide, all documents reasonably required to

determine whether amounts on the invoice are allowable expenses under this Agreement or as may be requested by the CEC. All invoices are subject to audit.

E. For payment and processing, all invoices should be mailed to the following address:

Accounts Payable Section
Harbor Department, City of Los Angeles
P.O. Box 191
San Pedro, CA 90733-0191

V. EMISSION REDUCTION CREDITS

Any emissions reduction credits generated by the work performed pursuant to this Agreement cannot be used or claimed by any Subrecipient for any purpose.

VI. RECORDKEEPING AND AUDIT RIGHTS

A. Each Subrecipient shall keep and maintain full, complete and accurate books of accounts and records of the services it performs under this Agreement in accordance with generally accepted accounting principles consistently applied, which books and records shall be readily accessible to and open for inspection and copying at the premises by City, its auditors or other authorized representatives. Notwithstanding any other provision of this Agreement, failure to do so shall constitute a conclusive waiver of any right to reimbursement for such services as are otherwise compensable hereunder. Such books and records shall be maintained by Subrecipients for a period of three (3) years after completion of services to be performed under this Agreement, as required by the Grant Agreement or until all disputes, appeals, litigation or claims arising from this Agreement have been resolved, whichever period is longest.

B. During the term of this Agreement, City may audit, review and copy any and all writings (as that term is defined in Section 250 of the California Evidence Code) of each Subrecipient and subconsultants arising from or related to this Agreement or performance of the Scope of Work, whether such writings are (a) in final form or not, (b) prepared by a Subrecipient, subconsultants or any individual or entity acting for or on behalf of a Subrecipient or a subconsultant, and (c) without regard to whether such writings have previously been provided to City. Each Subrecipient shall be responsible for obtaining access to and providing writings of its subconsultants. Each Subrecipient shall provide City at its sole cost and expense a copy of all such writings within fourteen (14) calendar days of a written request by City. City's right shall also include inspection at reasonable times of the Subrecipient's office or facilities which are engaged in the performance of the Scope of Work. Each Subrecipient shall, at no cost to City, furnish reasonable facilities and assistance for such review and audit. A Subrecipient's failure to comply with this Article VI shall constitute a material breach of this Agreement and shall entitle City to withhold any payment due under this Agreement until such breach is cured.

VII. INDEPENDENT CONTRACTOR

Subrecipients, in the performance of the work required by this Agreement, are independent contractors and not agents or employees of City. No Subrecipient shall represent itself as an agent or employee of the City and no Subrecipient shall have power to bind the City in contract or otherwise.

VIII. BUSINESS TAX REGISTRATION CERTIFICATE

The City of Los Angeles Office of Finance requires the implementation and enforcement of Los Angeles Municipal Code Section 21.09 et seq. This Code Section provides that every person, other than a municipal employee, who engages in any business within the City of Los Angeles, is required to obtain the necessary Business Tax Registration Certificate and pay business taxes. The City Controller has determined that this Code Section applies to firms that are doing work for the Department. See Exhibit B.

IX. INDEMNIFICATION

Except for the sole negligence or willful misconduct of the City, or any of its Boards, Officers, Agents, Employees, Assigns and Successors in Interest, each Subrecipient undertakes and agrees to defend, indemnify and hold harmless the City and any of its Boards, Officers, Agents, Employees, Assigns, and Successors in Interest from and against all suits and causes of action, claims, losses, demands and expenses, including, but not limited to, attorney's fees (both in house and outside counsel) and cost of litigation (including all actual litigation costs incurred by the City, including but not limited to, costs of experts and consultants), damages or liability of any nature whatsoever, for death or injury to any person, including any of each Subrecipient's employees and agents, or damage or destruction of any property of either party hereto or of third parties, arising in any manner by reason of the negligent acts, errors, omissions or willful misconduct incident to the performance of this Agreement by each Subrecipient or its subcontractors of any tier. Rights and remedies available to the City under this provision are cumulative of those provided for elsewhere in this Agreement and those allowed under the laws of the United States, the State of California, and the City.

X. INSURANCE

A. In addition to and not as a substitute for, or limitation of, any of the indemnity obligations imposed by Article IX, each Subrecipient shall procure and maintain at its sole cost and expense and keep in force at all times during the term of this Agreement the following insurance:

(1) Commercial General Liability Insurance

Commercial general liability insurance covering personal and advertising injury, bodily injury, and property damage providing contractual liability, independent

contractors, products and completed operations, and premises/operations coverage written by an insurance company authorized to do business in the State of California rated VII, A- or better in Best's Insurance Guide (or an alternate guide acceptable to City if Best's is not available) within each Subrecipient's normal limits of liability but not less than One Million Dollars (\$1,000,000) combined single limit for injury or claim. Said limits shall provide first dollar coverage except that Executive Director may permit a self-insured retention or self-insurance in those cases where, in his or her judgment, such retention or self-insurance is justified by the net worth of a Subrecipient. The retention or self-insurance provided shall provide that any other insurance maintained by the Harbor Department shall be excess of each Subrecipient's insurance and shall not contribute to it. In all cases, regardless of any deductible or retention, said insurance shall contain a defense of suits provision and a severability of interest clause. Each policy shall name the City of Los Angeles Harbor Department, its officers, agents and employees as Primary additional insureds.

(2) Automobile Liability Insurance

Automobile liability insurance written by an insurance company authorized to do business in the State of California rated VII, A- or better in Best's Insurance Guide (or an alternate guide acceptable to City if Best's is not available) within each Subrecipient's normal limits of liability but not less than One Million Dollars (\$1,000,000) covering damages, injuries or death resulting from each accident or claim arising out of any one claim or accident. Said insurance shall protect against claims arising from actions or operations of the insured, or by its employees. Coverage shall contain a defense of suits provision and a severability of interest clause. Each policy shall name the City of Los Angeles Harbor Department, its officers, agents and employees as Primary additional insureds.

(3) Workers' Compensation

Each Subrecipient shall certify that it is aware of the provisions of Section 3700 of the California Labor code which requires every employer to be insured against liability for Workers' Compensation or to undertake self-insurance in accordance with the provisions of that Code, and that said Subrecipient shall comply with such provisions before commencing the performance of the tasks under this Agreement. Coverage for claims under U.S. Longshore and Harbor Workers' Compensation Act, if required under applicable law, shall be included. Each Subrecipient shall submit Workers' Compensation policies whether underwritten by the state insurance fund or private carrier, which provide that the public or private carrier waives its right of subrogation against the City in any circumstance in which it is alleged that actions or omissions of the City contributed to the accident. Such Worker's Compensation and occupational disease requirements shall include coverage for all employees of each Subrecipient, and for all employees of any subcontractor or other vendor retained by each Subconsultant.

C. Insurance Procured by Subrecipient on Behalf of City

In addition to and not as a substitute for, or limitation of, any of the indemnity obligations imposed by Article IX, and where each Subrecipient is required to name the City of Los Angeles Harbor Department, its officers, agents and employees as Primary additional insureds on any insurance policy required by this Agreement, each Subrecipient shall cause City to be named as an additional insured on all policies (excluding workers compensation) it procures in connection with this Article X. Subrecipient shall cause such additional insured status to be reflected in the original policy or by additional insured endorsement (CG 2010 or equivalent) substantially as follows:

"Notwithstanding any inconsistent statement in the policy to which this endorsement is attached, or any endorsement or certificate now or hereafter attached hereto, it is agreed that City, Board, their officers, agents and employees, are additional insureds hereunder, and that coverage is provided for all contractual obligations, operations, uses, occupations, acts and activities of the insured under Agreement No. ____, and under any amendments, modifications, extensions or renewals of said Agreement regardless of where such contractual obligations, operations, uses, occupations, acts and activities occur.

"The policy to which this endorsement is attached shall provide a 10-days notice of cancellation for nonpayment of premium, and a 30-days notice of cancellation for any other reasons to the Risk Manager.

"The coverage provided by the policy to which this endorsement is attached is primary coverage and any other insurance carried by City is excess coverage;

"In the event of one of the named insured's incurring liability to any other of the named insureds, this policy shall provide protection for each named insured against whom claim is or may be made, including claims by other named insureds, in the same manner as if separate policies had been issued to each named insured. Nothing contained herein shall operate to increase the company's limit of liability; and

"Notice of occurrences or claims under the policy shall be made to the Risk Manager of City's Harbor Department with copies to the City Attorney's Office."

D. Required Features of Coverages

Insurance procured by each Subrecipient in connection with this Article X shall include the following features:

(1) Acceptable Evidence and Approval of Insurance

Electronic submission is the required method of submitting Consultant's insurance documents. Each Subrecipient's insurance broker or agent shall register with

the City's online insurance compliance system **KwikComply** at <https://kwikcomply.org/> and submit the appropriate proof of insurance on Subrecipient's behalf.

Upon request by City, a Subrecipient shall furnish a copy of the binder of insurance and/or a full certified policy for any insurance policy required herein. This obligation is intended to, and shall, survive the expiration or earlier termination of this Agreement.

(2) Carrier Requirements

All insurance which each Subrecipient is required to provide pursuant to this Agreement shall be placed with insurance carriers authorized to do business in the State of California and which are rated A-, VII or better in Best's Insurance Guide. Carriers without a Best's rating shall meet comparable standards in another rating service acceptable to City.

(3) Notice of Cancellation

Each insurance policy described above shall provide that it shall not be canceled or reduced in coverage until after the Board of Harbor Commissioners, Attention: Risk Manager and the City Attorney of City have each been given a 10-days notice of cancellation for nonpayment of premium and a 30-days notice of cancellation for any other reason by written notice by registered mail addressed to 425 S. Palos Verdes Street, San Pedro, California 90731.

(4) Modification of Coverage

Executive Director, at his or her sole reasonable discretion, based upon recommendation of independent insurance consultants to City, may increase or decrease amounts and types of insurance coverage required hereunder at any time during the term hereof by giving ninety (90) days' prior written notice to a Subrecipient.

(5) Renewal of Policies

At least thirty (30) days prior to the expiration of any policy required by this Agreement, each Subrecipient shall renew or extend such policy in accordance with the requirements of this Agreement and direct their insurance broker or agent to submit to the City's online insurance compliance system **KwikComply** at <https://kwikcomply.org/> a renewal endorsement or renewal certificate or, if new insurance has been obtained, evidence of insurance as specified above. If a Subrecipient neglects or fails to secure or maintain the insurance required above, Executive Director may, at his or her own option but without any obligation, obtain such insurance to protect City's interests. The cost of such insurance shall be deducted from the next reimbursement due to the Subrecipient.

(6) Limits of Coverage

If a Subrecipient maintains higher limits than the minimums required by this Agreement, City requires and shall be entitled to coverage for the higher limits maintained by said Subrecipient. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to City.

E. Right to Self-Insure

Upon written approval by the Executive Director, a Subrecipient may self-insure if the following conditions are met:

1. Subrecipient has a formal self-insurance program in place prior to execution of this Agreement. If a corporation, Subrecipient must have a formal resolution of its board of directors authorizing self-insurance.
2. Subrecipient agrees to protect the City, its boards, officers, agents and employees at the same level as would be provided by full insurance with respect to types of coverage and minimum limits of liability required by this Agreement.
3. Subrecipient agrees to defend the City, its boards, officers, agents and employees in any lawsuit that would otherwise be defended by an insurance carrier.
4. Subrecipient agrees that any insurance carried by Department is excess of Subrecipient's self-insurance and will not contribute to it.
5. Subrecipient provides the name and address of its claims administrator.
6. Subrecipient submits its most recently filed 10-Q and its 10-K or audited annual financial statements for the three most recent fiscal years prior to Executive Director's consideration of approval of self-insurance and annually thereafter.
7. Subrecipient agrees to inform Department in writing immediately of any change in its status or policy which would materially affect the protection afforded Department by this self-insurance.
8. Subrecipient has complied with all laws pertaining to self-insurance.

F. Accident Reports

Each Subrecipient shall report in writing to Executive Director within fifteen (15) calendar days after it, its officers or managing agents have knowledge of any accident or occurrence involving death of or injury to any person or persons, or damage in excess of Five Thousand Dollars (\$5,000.00) to property, occurring upon WBCT's premises, or elsewhere within the Port of Los Angeles if a Subrecipient's officers, agents or employees are involved in such an accident or occurrence. Such report shall contain to the extent available (1) the name and address of the persons involved, (2) a general statement as to the nature and extent of injury or damage, (3) the date and hour of occurrence, (4) the names and addresses of known witnesses, and (5) such other information as may be known to the reporting Subrecipient, its officers or managing agents.

XI. TERMINATION PROVISION

The Board of Harbor Commissioners, in its sole discretion, shall have the right to terminate and cancel all or any part of this Agreement for any reason upon giving the each Subrecipient ten (10) days' advance, written notice of the Board's election to cancel and terminate this Agreement. It is agreed that any Agreement entered into shall not limit the right of the City to hire additional subrecipients or perform the services described in this Agreement either during or after the term of this Agreement.

XII. PERSONAL SERVICE AGREEMENT

A. During the term hereof, each Subrecipient agrees that it will not enter into other contracts or perform any work without the written permission of the Executive Director where the work may conflict with the Project, this Agreement or the CEC Agreement.

B. Any assignment or other transfer of this Agreement or any part hereof shall be void provided, however, that each Subrecipient may permit subconsultant(s) to perform portions of the Scope of Work in accordance with Article I. All subconsultants whom a Subrecipient utilizes, however, shall be deemed to be its agents. A subconsultants' performance of the Scope of Work shall not be deemed to release a Subrecipient from its obligations under this Agreement or to impose any obligation on the City to such subconsultant(s) or give the subconsultant(s) any rights against the City.

XIII. AFFIRMATIVE ACTION

Each Subrecipient, during the performance of this Agreement, shall not discriminate in its employment practices against any employee or applicant for employment because of employee's or applicant's race, religion, national origin, ancestry, sex, age, sexual orientation, disability, marital status, domestic partner status, or medical condition. The provisions of Section 10.8.4 of the Los Angeles

Administrative Code shall be incorporated and made a part of this Agreement. All subcontracts awarded shall contain a like nondiscrimination provision. See Exhibit C.

XIV. SMALL/VERY SMALL BUSINESS ENTERPRISE PROGRAM AND LOCAL BUSINESS PREFERENCE PROGRAM

It is the policy of the Department to provide Small Business Enterprises (SBE), Very Small Business Enterprises (VSBE) and Minority-Owned, Women-Owned, Disabled Veteran Business Enterprises and all Other Business Enterprises (MBE/WBE/DVBE/OBE) an equal opportunity to participate in the performance of all City contracts in all areas where such contracts afford such participation opportunities. Each Subrecipient shall assist the City in implementing this policy and shall use its best efforts to afford the opportunity for SBEs, VSBEs, MBEs, WBEs, DVBEs, and OBEs to achieve participation in subcontracts where such participation opportunities present themselves and attempt to ensure that all available business enterprises, including SBEs, VSBEs, MBEs, WBEs, DVBEs, and OBEs, have equal participation opportunity which might be presented under this Agreement. See Exhibit D.

It is also the policy of the Department to support an increase in local and regional jobs. The Department's Local Business Preference Program aims to benefit the Southern California region by increasing jobs and expenditures within the local and regional private sector. Each Subrecipient shall assist the City in implementing this policy and shall use its best efforts to afford the opportunity for Local Business Enterprises to achieve participation in subcontracts where such participation opportunities present themselves.

NOTE: Prior to being awarded a contract with the City, each Subrecipient and all Subconsultants must be registered on the City's Contracts Management and Opportunities Database, Los Angeles Business Assistance Virtual Network (LABAVN), at <http://www.labavn.org>.

XV. CONFLICT OF INTEREST

It is hereby understood and agreed that the parties to this Agreement have read and are aware of the provisions of Section 1090 et seq. and Section 87100 et seq. of the California Government Code relating to conflict of interest of public officers and employees, as well as the Los Angeles Municipal Code (LAMC) Municipal Ethics and Conflict of Interest provisions of Section 49.5.1 et seq. and the Conflict of Interest Codes of the City and the Department. All parties hereto agree that they are unaware of any financial or economic interest of any public officer or employee of City relating to this Agreement. Notwithstanding any other provision of this Agreement, it is further understood and agreed that if such financial interest does exist at the inception of this Agreement, City may immediately terminate this Agreement by giving written notice thereof.

During the term of this Agreement, each Subrecipient shall inform the Department in writing when said Subrecipient, or any of its Subconsultants, employs or hires in any capacity, and for any length of time, a person who has worked for the Department as a Commissioner, officer or employee. Said notice shall include the individual's name and current position and their prior position and years of employment with the Department. Written notice shall be provided by a Subrecipient to the Department within thirty (30) days of the employment or hiring of the individual.

XVI. COMPLIANCE WITH APPLICABLE LAWS

Each Subrecipient shall at all times in the performance of its obligations comply with all applicable laws, statutes, ordinances, rules and regulations, and with the reasonable requests and directions of Executive Director.

XVII. GOVERNING LAW / VENUE

This Agreement shall be governed by and construed in accordance with the laws of the State of California, without reference to the conflicts of law, rules and principles of such State. The parties agree that all actions or proceedings arising in connection with this Agreement shall be tried and litigated exclusively in the State or Federal courts located in the County of Los Angeles, State of California, in the judicial district required by court rules.

XVIII. TRADEMARKS, COPYRIGHTS, AND PATENTS

Each Subrecipient agrees to save, keep, hold harmless, protect and indemnify the City and any of its officers or agents from any damages, cost, or expenses in law or equity from infringement of any patent, trademark, service mark or copyright of any person or persons, or corporations in consequence of the use by City of any materials supplied by a Subrecipient in the performance of this Agreement.

XIX. PROPRIETARY INFORMATION

If research or development is furnished in connection with this Agreement and if, in the course of such research or development, patentable work product is produced by a Subrecipient, its officers, agents, employees, or subconsultants, the City shall have, without cost or expense to it, an irrevocable, non-exclusive royalty-free license to make and use, itself or by anyone on its behalf, such work product in connection with any activity now or hereafter engaged in or permitted by City and contemplated by this Agreement. Upon City's request, a Subrecipient, at its sole cost and expense, shall promptly furnish or obtain from the appropriate person a form of license reasonably satisfactory to the City. It is expressly understood and agreed that, as between City and a Subrecipient, the referenced license shall arise for City's benefit immediately upon the production of the work product, and is not dependent on the written license specified above. City may transfer such license to its successors in the operation or ownership of any real or personal property now or hereafter owned or operated by City.

XX. CONFIDENTIALITY

The data, documents, reports, or other materials which contain information relating to the review, documentation, analysis and evaluation of the work described in this Agreement and any recommendations made by a Subrecipient relative thereto shall be considered confidential and shall not be reproduced, altered, used or disseminated by any Subrecipient or its employees or agents in any manner except and only to the extent necessary in the performance of the work under this Agreement. In addition, each Subrecipient is required to safeguard such information from access by unauthorized personnel.

XXI. NOTICES

In all cases where written notice is to be given under this Agreement, service shall be deemed sufficient if said notice is deposited in the United States mail, postage prepaid. When so given, such notice shall be effective from the date of mailing of the same. For the purposes hereof, unless otherwise provided by notice in writing from the respective parties, notice to the Department shall be addressed to Director of Environmental Management, Los Angeles Harbor Department, P.O. Box 151, San Pedro, California 90733-0151, and notice to each Subrecipient shall be addressed to it at the respective addresses set forth above. Nothing herein contained shall preclude or render inoperative service of such notice in the manner provided by law.

XXII. TAXPAYER IDENTIFICATION NUMBER (TIN)

The Internal Revenue Service (IRS) requires that all consultants and suppliers of materials and supplies provide a TIN to the party that pays them. Each Subrecipient declares that it has an authorized TIN which shall be provided to the Department prior to payment under this Agreement. No payments will be made under this Agreement without a valid TIN.

XXIII. SERVICE CONTRACTOR WORKER RETENTION POLICY AND LIVING WAGE POLICY REQUIREMENTS

The Board of Harbor Commissioners of the City of Los Angeles adopted Resolution No. 5771 on January 13, 1999, agreeing to adopt the provisions of Los Angeles City Ordinance No. 171004 relating to Service Contractor Worker Retention (SCWR), Section 10.36 et seq. of the Los Angeles Administrative Code, as the policy of the Department. Further, Charter Section 378 requires compliance with the City's Living Wage requirements as set forth by ordinance, Section 10.37 et seq. of the Los Angeles Administrative Code. Each Subrecipient shall comply with the policy wherever applicable. Violation of this provision, where applicable, shall entitle the City to terminate this Agreement and otherwise pursue legal remedies that may be available.

XXIV. WAGE AND EARNINGS ASSIGNMENT ORDERS / NOTICES OF ASSIGNMENTS

Each Subrecipient and any subconsultants are obligated to fully comply with all applicable state and federal employment reporting requirements for each Subrecipient or any subconsultant's employees.

Each Subrecipient and any subconsultants shall certify that the principal owner(s) are in compliance with any Wage and Earnings Assignment Orders and Notices of Assignments applicable to them personally. Each Subrecipient and any subconsultants will fully comply with all lawfully served Wage and Earnings Assignment Orders and Notices of Assignments in accordance with Cal. Family Code Sections 5230 et seq. Each Subrecipient and any subconsultants will maintain such compliance throughout the term of this Agreement.

XXV. EQUAL BENEFITS POLICY

The Board of Harbor Commissioners of the City of Los Angeles adopted Resolution No. 6328 on January 12, 2005, agreeing to adopt the provisions of Los Angeles City Ordinance No. 172,908, as amended, relating to Equal Benefits, Section 10.8.2.1 et seq. of the Los Angeles Administrative Code, as a policy of the Department. Subrecipient shall comply with the policy wherever applicable. Violation of this policy shall entitle the City to terminate any Agreement with Subrecipient and pursue any and all other legal remedies that may be available. See Exhibit E.

XXVI. COMPLIANCE WITH LOS ANGELES CITY CHARTER SECTION 470(c)(12)

Each Subrecipient, all subconsultants, and their Principals are obligated to fully comply with City of Los Angeles Charter Section 470(c)(12) and related ordinances, regarding limitations on campaign contributions and fundraising for certain elected City officials or candidates for elected City office if the agreement is valued at \$100,000 or more and requires approval of a City elected official. Additionally, each Subrecipient is required to provide and update certain information to the City as specified by law. Any Subrecipient subject to Charter Section 470(c)(12) shall include the following notice in any contract with a subconsultant expected to receive at least \$100,000 for performance under this Agreement:

Notice Regarding Los Angeles Campaign Contribution and Fundraising Restrictions

As provided in Charter Section 470(c)(12) and related ordinances, you are a subconsultant on Harbor Department Agreement No. _____. Pursuant to City Charter Section 470(c)(12), subconsultant and its principals are prohibited from making campaign contributions and fundraising for certain elected City officials or candidates for elected City office for 12 months after the Agreement is signed. Subconsultant is

required to provide to Subrecipient names and addresses of the subconsultant's principals and contact information and shall update that information if it changes during the 12 month time period. Subconsultant's information must be provided to Subrecipient within 10 business days. Failure to comply may result in termination of the Agreement or any other available legal remedies including fines. Information about the restrictions may be found at the City Ethics Commission's website at <http://ethics.lacity.org/> or by calling 213-978-1960.

Each Subrecipient, their respective subconsultants, and their respective Principals shall comply with these requirements and limitations. Violation of this provision shall entitle the City to terminate this Agreement and pursue any and all legal remedies that may be available.

XXVII. STATE TIDELANDS GRANTS

This Agreement is entered into in furtherance of and as a benefit to the State Tidelands Grant and the trust created thereby. Therefore, this Agreement is at all times subject to the limitations, conditions, restrictions and reservations contained in and prescribed by the Act of the Legislature of the State of California entitled "An Act Granting to the City of Los Angeles the Tidelands and Submerged Lands of the State Within the Boundaries of Said City," approved June 3, 1929 (Stats. 1929, Ch. 651), as amended, and provisions of Article VI of the Charter of the City of Los Angeles relating to such lands. Each Subrecipient agrees that any interpretation of this Agreement and the terms contained herein must be consistent with such limitations, conditions, restrictions and reservations.

XXVIII. INTEGRATION

This Agreement, together with the exhibits hereto, contains the entire understanding and agreement between the parties hereto with respect to the matters referred to herein. In the event of a conflict or inconsistency between the terms in this Agreement and the Grant Agreement, the terms in the Grant Agreement shall control. No other representations, covenants, undertakings; or prior or contemporaneous agreements, oral or written, regarding such matters which are not specifically contained, referenced, and/or incorporated into this Agreement by reference shall be deemed in any way to exist or bind any of the parties. Each party acknowledges that it has not been induced to enter into the Agreement and has not executed the Agreement in reliance upon any promises, representations, warranties or statements not contained, referenced, and/or incorporated into the Agreement. **THE PARTIES ACKNOWLEDGE THAT THIS AGREEMENT IS INTENDED TO BE, AND IS, AN INTEGRATED AGREEMENT.**

XXIX. SEVERABILITY

Should any part, term, condition or provision of this Agreement be declared or determined by any court of competent jurisdiction to be invalid, illegal or incapable of being enforced by any rule of law, public policy, or city charter, the validity of the remaining parts, terms, conditions or provisions of this Agreement shall not be affected thereby, and such invalid, illegal or unenforceable part, term, condition or provision shall be treated as follows: (a) if such part, term, condition or provision is immaterial to this Agreement, then such part, term, condition or provision shall be deemed not to be a part of this Agreement; or (b) if such part, term, condition or provision is material to this Agreement, then the parties shall revise the part, term, condition or provision so as to comply with the applicable law or public policy and to effect the original intent of the parties as closely as possible.

XXX. CONSTRUCTION OF AGREEMENT

This Agreement shall not be construed against the party preparing the same, shall be construed without regard to the identity of the person who drafted such and shall be construed as if all parties had jointly prepared this Agreement and it shall be deemed their joint work product; each and every provision of this Agreement shall be construed as though all of the parties hereto participated equally in the drafting hereof; and any uncertainty or ambiguity shall not be interpreted against any one party. As a result of the foregoing, any rule of construction that a document is to be construed against the drafting party shall not be applicable.

XXXI. TITLES AND CAPTIONS

The parties have inserted the Article titles in this Agreement only as a matter of convenience and for reference, and the Article titles in no way define, limit, extend or describe the scope of this Agreement or the intent of the parties in including any particular provision in this Agreement.

XXXII. MODIFICATION IN WRITING

This Agreement may be modified only by written agreement of all parties. Any such modifications are subject to all applicable approval processes required by, without limitation, City's Charter and City's Administrative Code.

XXXIII. WAIVER

A failure of any party to this Agreement to enforce the Agreement upon a breach or default shall not waive the breach or default or any other breach or default. All waivers shall be in writing.

XXXIV. EXHIBITS; ARTICLES

All exhibits to which reference is made in this Agreement are deemed incorporated in this Agreement, whether or not actually attached. To the extent the terms of an exhibit conflict with or appear to conflict with the terms of the body of the Agreement, the terms of the body of the Agreement shall control. References to Articles are to Articles of this Agreement unless stated otherwise.

XXXVI. COUNTERPARTS

This Agreement may be executed in any number of counterparts, each of which shall be deemed an original and all of which shall constitute together one and the same instrument.

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IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the date to the left of their signatures.

Dated: 3/24/20

THE CITY OF LOS ANGELES, by its Board of Harbor Commissioners

By [Signature]
EUGENE D. SEROKA
Executive Director

Attest: [Signature]
AMBER M. KLESGES
Board Secretary

WEST BASIN CONTAINER TERMINAL LLC

Dated: _____

By _____

(Print/type name and title)

Attest _____

(Print/type name and title)

WIRELESS ADVANCED VEHICLE ELECTRIFICATION, INC.

Dated: 12/18/19

By [Signature]

Michael J. Dominici, CEO
(Print/type name and title)

Attest [Signature]
Michael P. Maggister, CEO
(Print/type name and title)

APPROVED AS TO FORM AND LEGALITY

[Signature], 2020
MICHAEL N. FEUER, City Attorney
JANNA B. SIDLEY, General Counsel

By [Signature]
Heather M. McCloskey, Deputy

Rev. 09/20/16

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the date to the left of their signatures.

THE CITY OF LOS ANGELES, by its Board of Harbor Commissioners

Dated: _____

By _____
EUGENE D. SEROKA
Executive Director

Attest: _____
AMBER M. KLESGES
Board Secretary

WEST BASIN CONTAINER TERMINAL LLC

Dated: 1/25/20

By _____
Cheng Jung Fang
Cheng Jung Fang / CFO
(Print/type name and title)

Attest _____
Quenna Yan
Quenna Yan / Am
(Print/type name and title)

WIRELESS ADVANCED VEHICLE ELECTRIFICATION, INC.

Dated: _____

By _____

(Print/type name and title)

Attest _____

(Print/type name and title)

APPROVED AS TO FORM AND LEGALITY

_____, 2019
MICHAEL N. FEUER, City Attorney
JANNA B. SIDLEY, General Counsel

By _____
Heather M. McCloskey, Deputy

Rev. 09/20/16

**AGREEMENT BETWEEN
 THE CITY OF LOS ANGELES
 WEST BASIN CONTAINER TERMINAL LLC AND
 WIRELESS ADVANCED VEHICLE ELECTRIFICATION, INC.**

Funds Available

Account#	89097	W.O. #	78245
Chr/Div#	6000	Job Fac.#	637-00
Proj/Prog#	000		
Budget FY:		Amount:	
	19/20	\$	0
	20/21	\$	861,720
	21/22	\$	2,094,100
	22/23	\$	89,500
	TOTAL	\$	3,045,320
For Acct/Budget Div. Use Only			
Verified by:	<i>Fib</i>		
Verified Funds Available:	<i>71010</i>		
Date Approved:	<i>1/28/2020</i>		

Exhibit A

Harbor Department
 Agreement
 City of Los Angeles

STATE OF CALIFORNIA
GRANT AGREEMENT
 CEC-146 (Revised 1/2014)

CALIFORNIA ENERGY COMMISSION



RECIPIENT City of Los Angeles Harbor Department	AGREEMENT NUMBER ARV-17-049
ADDRESS 425 S. Palos Verdes Street San Pedro, CA 90731	AGREEMENT TERM 06/15/18 to 03/31/22 <small>The effective date of this Agreement is either the start date of the approval date by the California Energy Commission, whichever is later. The California Energy Commission shall be the last party to sign. No work is authorized, nor shall any work begin, until on or after the effective date.</small>

PROJECT DESCRIPTION
 The parties agree to comply with the terms and conditions of the following Exhibits which are by this reference made a part of the agreement.

Exhibit A – Scope of Work	Page(s): 13
Exhibit A – Attachments	Page(s): 4
Exhibit B – Budget	Page(s): 8
Exhibit B – Major Subcontractor 1	Page(s): 8
Exhibit B – Major Subcontractor 2	Page(s): 8
Exhibit C – General Terms and Conditions	Page(s): 26
Exhibit C – Attachments	Page(s): 0
Exhibit D - Contacts	Page(s): 1

NEGOTIABLE AMOUNT \$ 7,842,270
MATCH BILANCE \$ 3,405,784
TOTAL \$ 11,248,054

The undersigned parties have read the attachments to this agreement and will comply with the standards and requirements contained therein.

CALIFORNIA ENERGY COMMISSION		RECIPIENT	
AUTHORIZED SIGNATURE	DATE	AUTHORIZED SIGNATURE	DATE
		<i>Mark Bleam</i>	7-2-19
NAME		NAME	
Rachel L. Grant Kiley		<i>Eugene D Seroka</i>	
TITLE		TITLE	
Contracts, Grants and Loans Office Manager		Executive Director	
CALIFORNIA ENERGY COMMISSION ADDRESS			
1516 9th Street, MS 1, Sacramento, CA 95814			

Omoleggy, at et

APPROVED AS TO FORM AND LEGALITY
June 10 2019
 MICHAEL N. PEPPER, City Attorney
 By *[Signature]*
 Deputy City Attorney

**Exhibit A
SCOPE OF WORK**

TECHNICAL TASK LIST

Task #	CPR	Task Name
1		Administration
2	X	Design and Development
3	X	Build, Install and Commission
4		Demonstration, Data Collection and Analysis

Task #	Key Personnel	Key Subcontractor(s)	Key Partner(s)
1	Jacob Goldberg (POLA)		
2	Jacob Goldberg (POLA) Shaouki Aboulhosn (POLA)	WBCT WAVE BYD	
3	Jacob Goldberg (POLA) Shaouki Aboulhosn (POLA)	WBCT WAVE BYD	
4	Jacob Goldberg (POLA) Shaouki Aboulhosn (POLA)	WBCT WAVE BYD	SCAQMD

GLOSSARY

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

Term/ Acronym	Definition
AID	Zero Emission Freight Vehicle Advanced Infrastructure Demonstration (AID)
ARFVTP	Alternative and Renewable Fuel and Vehicle Technology Program
BOM	Bill of Materials
CAM	Commission Agreement Manager
CO2	Carbon Dioxide
CPR	Critical Project Review
CHE	Cargo handling equipment
DAC	Disadvantaged Communities

Term/ Acronym	Definitlon
EV	Electric Vehicle
FTD	Fuels and Transportation Division
MHD	Medium- and Heavy-Duty
NOx	Oxides of Nitrogen
POLA	Port of Los Angeles
Recipient	Port of Los Angeles
WBCT	West Basin Container Terminal

BACKGROUND

Assembly Bill (AB) 118 (Núñez, Chapter 750, Statutes of 2007), created the Alternative and Renewable Fuel and Vehicle Technology Program (ARFVTP). The statute authorizes the California Energy Commission (Energy Commission) to develop and deploy alternative and renewable fuels and advanced transportation technologies to help attain the state's climate change policies. AB 8 (Perea, Chapter 401, Statutes of 2013) re-authorizes the ARFVTP through January 1, 2024, and specifies that the Energy Commission allocate up to \$20 million per year (or up to 20 percent of each fiscal year's funds) in funding for hydrogen station development until at least 100 stations are operational. The ARFVTP has an annual budget of approximately \$100 million and provides financial support for projects that:

- Reduce California's use and dependence on petroleum transportation fuels and increase the use of alternative and renewable fuels and advanced vehicle technologies.
- Produce sustainable alternative and renewable low-carbon fuels in California.
- Expand alternative fueling infrastructure and fueling stations.
- Improve the efficiency, performance and market viability of alternative light-, medium-, and heavy-duty vehicle technologies.
- Retrofit medium- and heavy-duty on-road and non-road vehicle fleets to alternative technologies or fuel use.
- Expand the alternative fueling infrastructure available to existing fleets, public transit, and transportation corridors.
- Establish workforce training programs and conduct public outreach on the benefits of alternative transportation fuels and vehicle technologies.

The Energy Commission issued GFO-17-603 entitled "Advanced Freight Vehicle Infrastructure Deployment" under the ARFVT Program on December 19, 2017. This competitive grant solicitation was an offer to fund projects that will support infrastructure deployment for Advanced Freight Vehicles. To be eligible for funding under GFO-17-603, the projects must also be consistent with the Energy Commission's ARFVTP Investment Plan updated annually. In response to GFO-17-603, the Recipient submitted

application #3 which was proposed for funding in the Energy Commission's Notice of Proposed Awards on April 5, 2018. GFO-17-603 is hereby incorporated by reference into this Agreement in its 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 Energy Commission's Award, the Energy Commission'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:

The principal problem addressed by the proposed project is the significant emission of greenhouse gas (GHG) and criteria air pollutants associated with cargo handling equipment (CHE) at the Port of Los Angeles (POLA). POLA is committed to ambitious goals that were adopted together with the Port of Long Beach under the 2017 Clean Air Action Plan, including the replacement of diesel-powered cargo handling equipment (CHE) with zero-emission alternatives no later than 2030. The adoption of these technologies will require major infrastructure installations to support their operations, and terminal operators will be weighing all potential options to find the most efficient and cost-effective system to power their equipment. This project is a critical and informative step towards transitioning the ports to zero emission equipment, and importantly, reducing criteria pollutants and greenhouse gases in our shared air basin, while accommodating an increasing volume of goods moving through the Port. Local communities are negatively affected by air quality impacts of conventional propulsion systems. The Port equipment operates adjacent to disadvantaged communities (DACs) that experience a majority of the adverse environmental impacts from port operations. A secondary problem addressed by this project is the large amount of petroleum fuel consumption required to operate port equipment.

Goals of the Agreement:

The goals of this agreement are to enhance market acceptance of advanced vehicle yard tractor applications that will reduce greenhouse gas emissions, reduce petroleum use, improve energy cost savings, improve air quality and benefit disadvantaged communities (DAC).

Objectives of the Agreement:

The objectives of this Agreement are to:

- Design and install wireless inductive charging infrastructure, including ten base chargers and two opportunity chargers, to support the demonstration of 10 battery electric yard tractors at the Port of Los Angeles.
- Displace petroleum fuel, reduce GHG emissions, and support jobs in the port area and in disadvantaged communities.

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 Energy Commission 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.
- Discuss the following administrative and technical aspects of this Agreement:
 - Agreement Terms and Conditions
 - Critical Project Review (Task 1.2)
 - Match fund documentation (Task 1.6) No reimbursable work may be done until this documentation is in place.
 - Permit documentation (Task 1.7)
 - Subcontracts needed to carry out project (Task 1.8)
 - The CAM's expectations for accomplishing tasks described in the Scope of Work
 - An updated Schedule of Products and Due Dates
 - Monthly Progress Reports (Task 1.4)
 - Technical Products (Product Guidelines located in Section 5 of the Terms and Conditions)
 - Final Report (Task 1.5)

Recipient Products:

- Updated Schedule of Products
- Updated List of Match Funds
- Updated List of Permits

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 Energy Commission and the Recipient. The goal of this task is to determine if the project should continue to receive Energy Commission 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 Commission Agreement Officer, the Fuels and Transportation Division (FTD) program lead, other Energy Commission staff and Management as well as other individuals selected by the CAM to provide support to the Energy Commission.

The CAM shall:

- Determine the location, date, and time of each CPR meeting with the Recipient. These meetings generally take place at the Energy Commission, but they may take place at another location.
- 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 Energy Commission 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, the Commission Grants Office Officer, and the Commission Agreement Manager. 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 Commission Agreement Manager.

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 Commission Agreement Manager will determine the appropriate meeting participants.

The administrative portion of the meeting shall be a discussion with the Commission Agreement Manager and the Grants Officer about the following Agreement closeout items:

- What to do with any equipment purchased with Energy Commission funds (Options)
- Energy Commission's 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 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 Monthly 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. Each progress report is due to the Commission Agreement Manager within 10 days of the end of the reporting period. The recommended specifications for each progress report are contained in Section 6 of the Terms and Conditions of this Agreement.
- In the first Monthly Progress Report and first invoice, document and verify match expenditures and provide a synopsis of project progress, if match funds have been expended or if work funded with match share has occurred after the notice of proposed award but before execution of the grant agreement. If no match funds have been expended or if no work funded with match share has occurred before execution, then state this in the report. All pre-execution match expenditures must conform to the requirements in the Terms and Conditions of this Agreement.

Product:

- Monthly Progress Reports

Task 1.5 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 Energy Commission 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.

The Recipient shall:

- Prepare an Outline of the Final Report, if requested by the CAM.
- Prepare a Final Report 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 1.6 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 Energy Commission budget for this task will be zero dollars, the Recipient may utilize match funds for this task. Match funds shall be spent concurrently or in advance of Energy Commission funds for each task during the term of this Agreement. 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 Commission Agreement Manager at least 2 working days prior to the kick-off meeting. If no match funds were part of the proposal that led to the Energy Commission 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 Energy Commission awarding this Agreement, then provide in the letter a list of the match funds that identifies the:
 - o 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.

- o 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 Commission Agreement Manager if during the course of the Agreement additional match funds are received.
- Notify the Commission Agreement Manager 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 1.7 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 Energy Commission budget for this task will be zero dollars, the Recipient shall 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 Commission Agreement Manager 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:
 - o A list of the permits that identifies the:
 - * Type of permit
 - * Name, address and telephone number of the permitting jurisdictions or lead agencies
 - o 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 Commission Agreement Manager.
- * As permits are obtained, send a copy of each approved permit to the Commission Agreement Manager.
- * If during the course of the Agreement permits are not obtained on time or are denied, notify the Commission Agreement Manager 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 1.8 Obtain and Execute Subcontracts

The goal of this task is to ensure quality products and to procure subcontractors 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. It will also provide the Energy Commission an opportunity to review the subcontracts to ensure that the tasks are consistent with this Agreement, and that the budgeted expenditures are reasonable and consistent with applicable cost principles.

The Recipient shall:

- Manage and coordinate subcontractor activities.
- Submit a draft of each subcontract required to conduct the work under this Agreement to the Commission Agreement Manager for review.
- Submit a final copy of the executed subcontract.
- If Recipient decides to add new subcontractors, then the Recipient shall notify the CAM.
-

Products:

- Letter describing the subcontracts needed, or stating that no subcontracts are required
- Draft subcontracts
- Final subcontracts

TECHNICAL TASKS

TASK 2 DESIGN AND DEVELOPMENT

The goal of this task is to conduct preliminary design work that will prepare for the installation of advanced inductive charging infrastructure and battery storage for demonstration at the Port of Los Angeles' West Basin Container Terminal.

The Recipient shall:

- Review available power specifications and functional requirements.
- Finalize engineering bill of materials (BOM) and order components for the WAVE prototype and systems.
- Execute a Battery Energy Storage System Technical Agreement that outlines specifications for the battery storage system
- Design, fabricate, and build components, systems, and subsystems.
- Prepare and provide an Invitation for Bid for an installation contractor, which includes design calculations, drawings, plans and specifications to advertise the project for procurement of materials, equipment and required labor for construction to support installation of the charging systems.

- Select construction contractor and finalize scope of work.
- Conduct tests, certifications, quality checks, and validations for WAVE and BYD components, prototype, systems, subsystems, and safety elements, as applicable, and summarize results in a System Test Report

Products:

- Invitation for Bid
- Executed Battery Energy Storage System Technical Agreement
- System Test Report

[CPR WILL BE HELD IN TASK 3. See Task 1.2 for details]

TASK 3 BUILD, INSTALL AND COMMISSION

The goal of this task is to install infrastructure for twelve charging stations, including ten base chargers and two opportunity chargers, to power ten battery-electric yard tractors for demonstration at the Port of Los Angeles' West Basin Container Terminal.

The Recipient shall:

- Complete construction and install the charging equipment and battery energy storage system.
- Conduct safety and operational testing of the charging equipment and battery energy storage system for final commissioning.
- Accept delivery of ten battery-electric yard tractors to be placed into demonstration service.
- Prepare a Task 3 Summary Report containing photos of installed charging equipment, battery energy storage system, and deployed yard tractors, and include results of safety and operational testing for system commissioning.

Products:

- Task 3 Summary Report

[CPR WILL BE HELD IN TASK 3. See Task 1.2 for details]

Task 4 DEMONSTRATION, DATA COLLECTION, AND ANALYSIS

The goal of this task is to collect operational data from the project, to analyze that data for economic and environmental impacts, and to include the data and analysis in the Final Report.

The Recipient shall:

- Develop Data Collection Test Plan.

- * Troubleshoot any issues identified.
- * Collect 12 months of usage and operations data from the project including, but not limited to:
 - o Maximum capacity of each of the new charging systems
 - o Gallons of diesel fuel displaced (with associated hours of operation)
 - o Expected air emissions reductions including but not limited to:
 - * Oxides of nitrogen
 - * Particulate Matter
 - o Duty cycle of the current fleet and the expected duty cycle of future vehicle acquisitions
 - o Specific jobs and economic development resulting from this project
- * Identify any current and planned use of renewable energy at the facility.
- * Identify the source of the alternative renewable energy.
- * 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 project performance and expectations provided in the proposal to Energy Commission with actual project performance and accomplishments.
- * Collect data, information, and analysis described above and include in the Final Report.

Products:

- * Data Collection Test Plan
- * Data collection information and analysis will be included in the Final Report

Exhibit A - Attachment 1

Schedule of Products and Due Dates

Item No.	Product	Due Date
1.1 Attend Kick-off Meeting	Updated Schedule of Products	6/15/2018
	Updated List of Match Funds	6/15/2018
	Updated List of Permits	6/15/2018
	Kick-Off Meeting Agenda (CEC)	6/15/2018
1.2 Critical Project Review Meetings	1st CPR Meeting CPR Report	8/1/2019
	Written determination (CEC)	8/15/2019
	2nd CPR Meeting CPR Report	8/3/2020
	Written determination (CEC)	8/17/2020
1.3 Final Meeting	Written documentation of meeting agreements	1/7/2022
	Schedule for completing closeout activities	1/7/2022
1.4 Monthly Progress Reports	Monthly Progress Reports	The 10th calendar day of each month during the approved term of this Agreement
1.5 - Final Report	Final Outline of the Final Report	10/29/2021
	Draft Final Report (no less than 60 days before the end term of the agreement)	11/19/2021
	Final Report	1/7/2022
1.6 Identify and Obtain Match Funds	A letter regarding match funds or stating that no match funds are provided	6/15/2018
	Copy(ies) of each match fund commitment letter(s) (if applicable)	6/15/2018
	Letter(s) for new match funds (if applicable)	Within 10 days of identifying new match funds
	Letter that match funds were reduced (if applicable)	Within 10 days of identifying reduced funds
1.7 Identify and Obtain Required Permits	Letter documenting the permits or stating that no permits are required	6/15/2018
	A copy of each approved permit (if applicable)	Within 10 days of receiving each permit
	Updated list of permits as they change during the term of the Agreement (if applicable)	Within 10 days of change in list of permits
	Updated schedule for acquiring permits as changes occur during the term of the Agreement (if applicable)	Within 10 days of change in schedule for obtaining permits

Exhibit A - Attachment 1

Schedule of Products and Due Dates

Task Number	Task Name	Product(s)	Due Date
1.8	Obtain and Execute Subcontracts	Letter describing the subcontracts needed, or stating that no subcontracts are required	6/15/2018
		Draft subcontracts	15 days prior to the scheduled execution date
		Final subcontracts	Within 10 days of execution
2	DESIGN AND DEVELOPMENT	Invitation for Bid Documentation	8/1/2019
		Battery energy storage system technical agreement	8/1/2019
		Summary Report with Photographs	8/1/2019
3	BUILD, INSTALL AND COMMISSION	Summary Report with Photographs	8/17/2020
4	DEMONSTRATION, DATA COLLECTION AND ANALYSIS	Data Collection Test Plan	8/14/2020
		Data collection information and analysis will be provided in the final report (Task 1.5)	8/31/2021

**CONTENT AND FORMAT OF MONTHLY PROGRESS REPORTS
EXHIBIT A – ATTACHMENT 2**

ARV-17-049

**City of Los Angeles Harbor Department
Reporting Period (Month/date – Month/date/year)
Recipient Project Manager:
Commission Grant Manager:**

What we planned to accomplish this period

[This is taken directly from the section on "What we expect to accomplish during the next period" from the previous progress report.]

What we actually accomplished this period

[Provide a complete, yet concise description of major activities and accomplishments by task/subtask.]

How we are doing compared to our plan?

[Explain the differences, if any, between the planned and the actual accomplishments. Report percent complete and percent spent for each task/subtask. Describe what needs to be done, if anything, to get back on track.]

Significant problems or changes

[Describe any significant technical or fiscal problems. Summarize any formal requests for significant changes in scope of work, revised milestone due dates, changes in key personnel assigned to the project, or reallocation of budget cost categories that were submitted during the reporting period. If none, include the following statement: "Progress and expenditures will result in project being completed on time and within budget."]

What we expect to accomplish during the next period

[Provide a complete, yet concise description of major activities and accomplishments expected by task/subtask. This will be transferred to the next progress report]

Current and cumulative budget expenditures

[For each task/subtask, show the budget, current expenditures, and cumulative expenditures.]

Status of Milestones and Products

[This should be the complete list as contained in the scope of work. Highlight differences between actual and planned.] Example:

Description	Start Date		Due Date		Status (% complete)
	Planned	Actual	Planned	Actual	
Title Milestone/Product #1 (Task #)	4/15/12	4/15/12	5/1/12	5/1/12	Ontime 100%

CONTENT AND FORMAT OF MONTHLY PROGRESS REPORTS
EXHIBIT A -- ATTACHMENT 2

Description	Start Date		Due Date		Status (% complete)
Title Milestone/Product #2 (Task #)	4/20/12	4/10/12	7/7/12	6/10/12	Ahead 100%

Category Budget

Name of Organization

Port of Los Angeles

Contractor/Recipient

Subcontractor

Small Business

Micro Business

Disabled Veteran Business Enterprises (DVBE)

Cost Category	Energy Commission Reimbursable Share	Match Share	Total
Direct Labor	\$ -	\$ -	\$ -
Fringe Benefits	\$ -	\$ -	\$ -
Total Labor	\$ -	\$ -	\$ -
Travel	\$ -	\$ -	\$ -
Equipment	\$ 1,820,000	\$ 312,500	\$ 2,132,500
Materials/Miscellaneous	\$ 47,500	\$ -	\$ 47,500
Subcontractors	\$ 5,974,770	\$ 3,093,284	\$ 9,068,054
Total Other Direct Costs	\$ 7,842,270	\$ 3,405,784	\$ 11,248,054
Indirect Costs	\$ -	\$ -	\$ -
Profit (not allowed for grant recipients)	\$ -	\$ -	\$ -
Total Indirect and Profit	\$ -	\$ -	\$ -
Grand Totals	\$ 7,842,270	\$ 3,405,784	\$ 11,248,054

Direct Labor (Unloaded)

Port of Los Angeles

Hourly Rates

Employee Name	Job Classification / Title	Maximum Labor Rate (\$ per hour)	# of Hours	Energy Commission Funds	Match Share	Total
		\$ -		\$ -	\$ -	\$ -
		\$ -		\$ -	\$ -	\$ -
		\$ -		\$ -	\$ -	\$ -
Hourly Direct Labor Totals				\$ -	\$ -	\$ -

Monthly Salary Rates

Employee Name	Job Classification / Title	Maximum Labor Rate (\$ per month)	# of Months	Energy Commission Funds	Match Share	Total
		\$ -		\$ -	\$ -	\$ -
		\$ -		\$ -	\$ -	\$ -
		\$ -		\$ -	\$ -	\$ -
Monthly Direct Labor Totals				\$ -	\$ -	\$ -

	Energy Commission Funds	Match Share	Total
Direct Labor Grand Totals	\$ -	\$ -	\$ -

Fringe Benefits

Port of Los Angeles

Fringe Benefit Base Description (Employee or Job Classification/Title)	Max. Fringe Benefit Rate (%)	Direct Labor Costs (\$)	Energy Commission Funds	Match Share	Total
	0.00%	\$ -	\$ -	\$ -	\$ -
	0.00%	\$ -	\$ -	\$ -	\$ -
	0.00%	\$ -	\$ -	\$ -	\$ -
	0.00%	\$ -	\$ -	\$ -	\$ -
	0.00%	\$ -	\$ -	\$ -	\$ -
	0.00%	\$ -	\$ -	\$ -	\$ -
	0.00%	\$ -	\$ -	\$ -	\$ -
	0.00%	\$ -	\$ -	\$ -	\$ -
	0.00%	\$ -	\$ -	\$ -	\$ -
	0.00%	\$ -	\$ -	\$ -	\$ -
	0.00%	\$ -	\$ -	\$ -	\$ -
	0.00%	\$ -	\$ -	\$ -	\$ -
Fringe Benefit Totals		\$ -	\$ -	\$ -	\$ -

Materials & Miscellaneous

Port of Los Angeles

Task No.	Description	Purpose	# Units	Unit Cost	Energy Commission Funds	Match Share	Total
3	Communication materials	Materials to enable charging station communications	various	various	\$ 7,500	\$ -	\$ 7,500
3	Manufacturer Warranty	Charging station at WBCT corral for ten yard tractors	2	\$ 20,000	\$ 40,000	\$ -	\$ 40,000
						\$ -	\$ -
Total:					\$ 47,500	\$ -	\$ 47,500

Equipment

Port of Los Angeles

Task No.	Description	Purpose	# Units	Unit Cost	Energy Commission Funds	Match Share	Total
3	High Voltage Breaker	High voltage circuit protection	2	\$ 80,000	\$ 160,000	\$ -	\$ 160,000
3	Low Voltage Breaker	Low voltage circuit protection	3	\$ 20,000	\$ 60,000	\$ -	\$ 60,000
3	New 3,000 KVA Transformer Box	Transformer box for ten yard tractors	1	\$ 620,000	\$ 620,000	\$ -	\$ 620,000
3	New 1,500 KVA Transformer Box	Transformer box for two opportunity chargers	1	\$ 440,000	\$ 440,000	\$ -	\$ 440,000
3	High voltage manhole	Underground cabling	2	\$ 35,000	\$ 70,000		\$ 70,000
3	Low voltage pull boxes	Enable access to wire conduits	10	\$ 5,000	\$ 50,000		\$ 50,000
3	Power Electronic Filter for waves	Signal filtering for charging pad	6	\$ 35,000	\$ 210,000		\$ 210,000
3	Wave structure pads/electrical	Inductive charging pads for trucks	6	\$ 15,000	\$ 90,000		\$ 90,000
3	Battery container structure pads/electrical	Container for battery storage device	3	\$ 40,000	\$ 120,000	\$ -	\$ 120,000
3	10 Yard Tractors	Cash match for vehicle deployment		\$ -	\$ -	\$ 312,500	\$ 312,500
				\$ -	\$ -	\$ -	\$ -
Total:					\$ 1,820,000	\$ 312,500	\$ 2,132,500

Travel

Port of Los Angeles

Task No.	Traveler's Name and/or Classification	Departure and Destination	Trip Purpose	Energy Commission Funds	Match Share	Total
				\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -
Total:				\$ -	\$ -	\$ -

Subcontracts

Port of Los Angeles

Task No.	Subcontractor Name	Purpose	CA Business Certifications DVBE/ SB/MB/None	Energy Commission Funds	Match Share	Total
1,2,3	WAVE, Inc	Inductive Charging Units		\$ 3,045,320	\$ 126,885	\$ 3,172,205
2	BYD Motors, Inc	Battery Energy Storage System		\$ 900,000	\$ 78,899	\$ 978,899
3	WBCT	10 zero emission yard tractors			\$ 2,887,500	\$ 2,887,500
2,3	Firm TBD	Engineering and construction services		\$ 2,029,450		\$ 2,029,450
				\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -
Total:				\$ 5,974,770	\$ 3,093,284	\$ 9,068,054

Indirect Costs and Profit

Port of Los Angeles

Indirect Cost(s)

Name of Indirect Cost	Maximum Rate	Indirect Cost Base Description	Indirect Cost Base Amount	Energy Commission Funds	Match Share	Total
					\$ -	\$ -
					\$ -	\$ -
					\$ -	\$ -
					\$ -	\$ -
			\$ -	\$ -	\$ -	\$ -
Total:				\$ -	\$ -	\$ -

Profit

(Profit is not allowed for Grant Recipients)

Profit Rate	Profit Base Description	Profit Base Amount	Energy Commission Funds	Match Share	Total
0.00%		\$ -	\$ -	\$ -	\$ -
Total:			\$ -	\$ -	\$ -

Category Budget

Name of Organization

WAVE, Inc.

- Contractor/Recipient Subcontractor
 Small Business Micro Business Disabled Veteran Business Enterprise (DVBE)

Cost Category	Energy Commission Reimbursable Share	Match Share	Total
Direct Labor	\$ 331,095	\$ 115,402	\$ 446,498
Fringe Benefits	\$ 32,944	\$ 11,483	\$ 44,427
Total Labor	\$ 364,040	\$ 126,885	\$ 490,925
Travel	\$ 21,580	\$ -	\$ 21,580
Equipment	\$ 2,407,800	\$ -	\$ 2,407,800
Materials/Miscellaneous	\$ 251,900	\$ -	\$ 251,900
Subcontractors	\$ -	\$ -	\$ -
Total Other Direct Costs	\$ 2,681,280	\$ -	\$ 2,681,280
Indirect Costs	\$ -	\$ -	\$ -
Profit (not allowed for grant recipients)	\$ -	\$ -	\$ -
Total Indirect and Profit	\$ -	\$ -	\$ -
Grand Totals	\$ 3,045,320	\$ 126,885	\$ 3,172,205

Direct Labor (Unloaded)

WAVE, Inc.

Hourly Rates

Employee Name	Job Classification / Title	Maximum Labor Rate (\$ per hour)	# of Hours	Energy Commission Funds	Match Share	Total
Michael Masqueller	CEO	\$ 88.00	400	\$ 26,102	\$ 9,098	\$ 35,200
Marcellus Harper	System Architect/Engineer	\$ 72.15	1,600	\$ 85,604	\$ 29,840	\$ 115,444
Evans Griego	Mechanical Engineer	\$ 54.50	1,600	\$ 64,862	\$ 22,538	\$ 87,200
Ryan Calder	Electrical Engineer	\$ 63.33	1,820	\$ 85,467	\$ 29,787	\$ 115,254
Steve Ball	Integration and Validation Engineer	\$ 48.00	1,680	\$ 57,306	\$ 19,974	\$ 77,280
Robert Eisert	Technician	\$ 26.00	620	\$ 11,954	\$ 4,166	\$ 16,120
Hourly Direct Labor Totals				\$ 331,095	\$ 115,402	\$ 446,498

Monthly Salary Rates

Employee Name	Job Classification / Title	Maximum Labor Rate (\$ per month)	# of Months	Energy Commission Funds	Match Share	Total
		\$ -		\$ -	\$ -	\$ -
		\$ -		\$ -	\$ -	\$ -
Monthly Direct Labor Totals				\$ -	\$ -	\$ -

	Energy Commission Funds	Match Share	Total
Direct Labor Grand Totals	\$ 331,095	\$ 115,402	\$ 446,498

Fringe Benefits

WAVE, Inc.

Fringe Benefit Base Description (Employee or Job Classification/Title)	Max. Fringe Benefit Rate (%)	Direct Labor Costs (\$)	Energy Commission Funds	Match Share	Total
All employees/job classifications	9.95%	\$ 446,498	\$ 32,944	\$ 11,483	\$ 44,427
	0.00%	\$ -	\$ -	\$ -	\$ -
	0.00%	\$ -	\$ -	\$ -	\$ -
	0.00%	\$ -	\$ -	\$ -	\$ -
	0.00%	\$ -	\$ -	\$ -	\$ -
Fringe Benefit Totals		\$ 446,498	\$ 32,944	\$ 11,483	\$ 44,427

Travel

WAVE, Inc.

Task No.	Traveler's Name and/or Classification	Departure and Destination	Trip Purpose	Energy Commission Funds	Match Share	Total
1	CEO and System Architect	SLC, Sacramento	Kick-off, CPR, and Close out meetings. 3 trips @ \$1,660 per trip	\$ 4,980	\$ -	\$ 4,980
2,3	2 Integration and Validation Engineers	SLC, San Pedro, Lancaster	On-site reviews at POLA and BYD. 10 trips @ \$1,660 per trip	\$ 16,600	\$ -	\$ 16,600
				\$ -	\$ -	\$ -
Total:				\$ 21,580	\$ -	\$ 21,580

Equipment

WAVE, Inc.

Task No.	Description	Purpose	# Units	Unit Cost	Energy Commission Funds	Match Share	Total
3	Primary in-ground charging unit	Six 250 kW feeds delivering power to twelve 125 kW charging pads	6	\$ 338,300	\$ 2,029,800	\$ -	\$ 2,029,800
3	Secondary vehicle mounted receiver pads	Twelve 125 kW on-vehicle receiver pads	12	\$ 31,500	\$ 378,000	\$ -	\$ 378,000
				\$ -	\$ -	\$ -	\$ -
Total:					\$ 2,407,800	\$ -	\$ 2,407,800

Materials & Miscellaneous

WAVE, Inc.

Task No.	Description	Purpose	# Units	Unit Cost	Energy Commission Funds	Match Share	Total
2	Miscellaneous pads/system electronics	To create initial test platforms for system testing	Various	Various	\$ 251,900	\$ -	\$ 251,900
				\$ -	\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -	\$ -
Total:					\$ 251,900	\$ -	\$ 251,900

Subcontracts

WAVE, Inc.

Task No.	Subcontractor Name	Purpose	CA Business Certifications DVBE/SB/MB/None	Energy Commission Funds	Match Share	Total
				\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -
Total:				\$ -	\$ -	\$ -

Indirect Costs and Profit

WAVE, Inc.

Indirect Cost(s)

Name of Indirect Cost	Maximum Rate	Indirect Cost Base Description	Indirect Cost Base Amount	Energy Commission Funds	Match Share	Total
	0.00%		\$ -	\$ -	\$ -	\$ -
	0.00%		\$ -	\$ -	\$ -	\$ -
	0.00%		\$ -	\$ -	\$ -	\$ -
	0.00%		\$ -	\$ -	\$ -	\$ -
	0.00%		\$ -	\$ -	\$ -	\$ -
Total:			\$ -	\$ -	\$ -	\$ -

Profit

(Profit is not allowed for Grant Recipients)

Profit Rate	Profit Base Description	Profit Base Amount	Energy Commission Funds	Match Share	Total
0.00%		\$ -	\$ -	\$ -	\$ -
Total:			\$ -	\$ -	\$ -

Category Budget

Name of Organization

West Basin Container Terminal

- Contractor/Recipient Subcontractor
 Small Business Micro Business Disabled Veteran Business Enterprise (DVBE)

Cost Category	Energy Commission Reimbursable Share	Match Share	Total
Direct Labor	\$ -	\$ -	\$ -
Fringe Benefits	\$ -	\$ -	\$ -
Total Labor	\$ -	\$ -	\$ -
Travel	\$ -	\$ -	\$ -
Equipment	\$ -	\$ 2,887,500	\$ 2,887,500
Materials/Miscellaneous	\$ -	\$ -	\$ -
Subcontractors	\$ -	\$ -	\$ -
Total Other Direct Costs	\$ -	\$ 2,887,500	\$ 2,887,500
Indirect Costs	\$ -	\$ -	\$ -
Profit (not allowed for grant recipients)	\$ -	\$ -	\$ -
Total Indirect and Profit	\$ -	\$ -	\$ -
Grand Totals	\$ -	\$ 2,887,500	\$ 2,887,500

Direct Labor (Unloaded)

West Basin Container Terminal

Hourly Rates

Employee Name	Job Classification / Title	Maximum Labor Rate (\$ per hour)	# of Hours	Energy Commission Funds	Match Share	Total
		\$ -		\$ -	\$ -	\$ -
		\$ -		\$ -	\$ -	\$ -
		\$ -		\$ -	\$ -	\$ -
		\$ -		\$ -	\$ -	\$ -
		\$ -		\$ -	\$ -	\$ -
Hourly Direct Labor Totals				\$ -	\$ -	\$ -

Monthly Salary Rates

Employee Name	Job Classification / Title	Maximum Labor Rate (\$ per month)	# of Months	Energy Commission Funds	Match Share	Total
		\$ -		\$ -	\$ -	\$ -
		\$ -		\$ -	\$ -	\$ -
		\$ -		\$ -	\$ -	\$ -
		\$ -		\$ -	\$ -	\$ -
		\$ -		\$ -	\$ -	\$ -
Monthly Direct Labor Totals				\$ -	\$ -	\$ -

	Energy Commission Funds	Match Share	Total
Direct Labor Grand Totals	\$ -	\$ -	\$ -

Fringe Benefits

West Basin Container Terminal

Fringe Benefit Base Description (Employee or Job Classification/Title)	Max. Fringe Benefit Rate (%)	Direct Labor Costs (\$)	Energy Commission Funds	Match Share	Total
	0.00%	\$ -	\$ -	\$ -	\$ -
	0.00%	\$ -	\$ -	\$ -	\$ -
	0.00%	\$ -	\$ -	\$ -	\$ -
	0.00%	\$ -	\$ -	\$ -	\$ -
	0.00%	\$ -	\$ -	\$ -	\$ -
Fringe Benefit Totals		\$ -	\$ -	\$ -	\$ -

Travel

West Basin Container Terminal

Task No.	Traveler's Name and/or Classification	Departure and Destination	Trip Purpose	Energy Commission Funds	Match Share	Total
				\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -
Total:				\$ -	\$ -	\$ -

Equipment

West Basin Container Terminal

Task No.	Description	Purpose	# Units	Unit Cost	Energy Commission Funds	Match Share	Total
3	Build and Commission	Ten (10) zero emission yard Tractors	ea.	\$ 288,750	\$ -	\$ 2,887,500	\$ 2,887,500
				\$ -	\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -	\$ -
Total:					\$ -	\$ 2,887,500	\$ 2,887,500

Materials & Miscellaneous

West Basin Container Terminal

Task No.	Description	Purpose	# Units	Unit Cost	Energy Commission Funds	Match Share	Total
				\$ -	\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -	\$ -
Total:					\$ -	\$ -	\$ -

Subcontracts

West Basin Container Terminal

Task No.	Subcontractor Name	Purpose	CA Business Certifications DVBE/ SB/MB/None	Energy Commission Funds	Match Share	Total
				\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -
Total:				\$ -	\$ -	\$ -

Indirect Costs and Profit

West Basin Container Terminal

Indirect Cost(s)

Name of Indirect Cost	Maximum Rate	Indirect Cost Base Description	Indirect Cost Base Amount	Energy Commission Funds	Match Share	Total
	0.00%		\$ -	\$ -	\$ -	\$ -
	0.00%		\$ -	\$ -	\$ -	\$ -
	0.00%		\$ -	\$ -	\$ -	\$ -
	0.00%		\$ -	\$ -	\$ -	\$ -
	0.00%		\$ -	\$ -	\$ -	\$ -
Total:				\$ -	\$ -	\$ -

Profit

(Profit is not allowed for Grant Recipients)

Profit Rate	Profit Base Description	Profit Base Amount	Energy Commission Funds	Match Share	Total
0.00%		\$ -	\$ -	\$ -	\$ -
Total:			\$ -	\$ -	\$ -

EXHIBIT C
ALTERNATIVE AND RENEWABLE FUEL AND VEHICLE TECHNOLOGY
PROGRAM (ARFVTP) TERMS AND CONDITIONS

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TERMS AND CONDITIONS

1. **Grant Agreement**

This project is being funded with a grant from the California Energy Commission's (Energy Commission) Alternative and Renewable Fuel and Vehicle Technology Program.

This Agreement is comprised of the grant funding award, the Terms and Conditions, and all attachments. These Terms and Conditions are standard requirements for grant awards. The Energy Commission may impose additional special conditions in this grant Agreement that address the unique circumstances of this project. Special conditions that conflict with these standard provisions take precedence.

The Recipient's authorized representative shall sign all copies of this Agreement and return all signed packages to the Energy Commission's Grants and Loans Office within 30 days. Failure to meet this requirement may result in the forfeiture of this award. When all required signatures are obtained, an executed copy will be returned to the Recipient.

The term of this Agreement or the Agreement Period is the length of this Agreement between the Energy Commission and the Recipient. Project means Recipient's specific project that is funded in whole or in part by this Agreement. The Recipient's project may coincide with or extend outside the Agreement Period:

All reimbursable work and/or the expenditure of funds must occur within the approved term of this Agreement. The Energy Commission cannot authorize any payments until all parties sign this Agreement.

2. **Documents Incorporated by Reference**

The documents below are incorporated by reference into this Agreement. These terms and conditions will govern in the event of a conflict with the documents below, with the exception of the documents in subsection (f). Where this Agreement or California laws and regulations are silent or do not apply, the Energy Commission will use the federal cost principles and acquisition regulations listed below as guidance in determining whether reimbursement of claimed costs is allowable. Documents incorporated by reference include:

Solicitation Documents (if applicable)

- a. The funding solicitation under which this Agreement was awarded.
- b. The Recipient's proposal submitted in response to the solicitation

Federal Cost Principles (applicable to state and local governments, Indian tribes, institutions of higher education, and nonprofit organizations)

- c. 2 Code of Federal Regulations (CFR) Part 200, Subpart E (Sections 200.400 et seq.)

Federal Acquisition Regulations (applicable to commercial organizations)

- d. 48 CFR, Ch.1, Subchapter E, Part 31, Subpart 31.2: Contracts with Commercial Organizations (supplemented by 48 CFR, Ch. 9, Subchapter E, Part 931, Subpart 931.2 for Department of Energy grants)

Nondiscrimination

- e. 2 California Code of Regulations, Section 8101 et seq.: Contractor Nondiscrimination and Compliance

General Laws

- f. Any federal, state, or local laws or regulations applicable to the project that are not expressly listed in this Agreement

3. *Funding Limitations*

Any federal, State, and local laws and regulations applicable to your project not expressly listed in this Agreement are incorporated herein as part of this Agreement.

4. *Due Diligence*

The Recipient is required to take timely actions which, taken collectively, move this project to completion. The Energy Commission Agreement Manager (CAM) will periodically evaluate the Schedule of Products and Due Dates for completion of the Statement of Work tasks. If the CAM determines (1) the Recipient is not being diligent in completing the tasks in the Statement of Work or (2) the time remaining in this Agreement is insufficient to complete all project work tasks by the approved Agreement end term date, the CAM may recommend that this Agreement be terminated, and the Agreement may, without prejudice to any of the Energy Commission's remedies, be terminated.

5. *Products*

Products are defined as any tangible item specified in the Statement of Work. Unless otherwise directed, draft copies of all products identified in the Work Statement shall be submitted to the CAM for review and comment. The Recipient will submit an original and two copies of the final version of all products to the CAM.

6. *Reports*

a. **Progress Reports**

The Recipient shall submit progress reports to the CAM as indicated in the Special Conditions or Work Statement. At a minimum, each progress report shall include the following:

Work Statement: This section should include a brief restatement of the approved tasks in the Work Statement and a report on the status of each, including a discussion of any products due and whether or not the project is progressing according to schedule. This section also should include a discussion of any problems encountered, proposed changes to the tasks in the Work Statement, and anticipated accomplishments in the upcoming quarter.

Financial Status: This section should include a narrative report comparing costs incurred to date with the approved Budget. The report should state whether or not the project is progressing within the approved Budget and discuss any proposed changes.

Additional Information: Additional information may be required in the progress reports as specified in the Work Statement or Special Conditions.

b. Final Reports

A draft final report shall be submitted to the CAM no later than 60 days prior to the end of the Agreement term. At a minimum, the report shall include:

- Table of Contents.
- Abstract.
- A brief summary of the objectives of the project and how these objectives were accomplished.
- Any findings, conclusions, or recommendations for follow-up or ongoing activities that might result from the successful completion of the project.
- A statement of future intent of the grant Recipient to maintain or further develop the project.
- A Payment Request form for the final payment (including any retention).
- A consolidated list of subcontractors funded in whole or in part by the grant Recipient. Include the name, address, concise statement of work done, period, and value of each.
- Additional information specified in the Work Statement or Special Conditions.

The CAM will review the draft report. The Recipient will incorporate applicable comments and submit the final report (the original and two copies) to the CAM.

Upon receipt of the final report, the CAM shall ensure that all work has been satisfactorily completed.

c. Rights in Reports

The Energy Commission reserves the right to use and reproduce all reports and data produced and delivered pursuant to this Agreement, and reserves the right to authorize others to use or reproduce such materials. Each report becomes the property of the Energy Commission.

d. **Failure to Comply with Reporting Requirements**

Failure to comply with the reporting requirements contained in this Agreement will be considered a material noncompliance with the terms of this Agreement. Noncompliance may result in withholding of future payments, suspension or termination of the current award, and withholding of future awards. A willful failure to perform, a history of failure to perform, or unsatisfactory performance of this and/or other financial assistance awards, may also result in a debarment action to preclude future awards.

7. Publications - Legal Statement on Reports and Products

You are encouraged to publish or otherwise make publicly available the results of the work conducted under the award.

No product or report produced as a result of work funded by this program shall be represented to be endorsed by the Energy Commission, and all such products or reports shall include the following statement:

LEGAL NOTICE

This document was prepared as a result of work sponsored by the California Energy Commission. It does not necessarily represent the views of the Energy Commission, its employees, or the State of California. The Energy Commission, the State of California, its employees, contractors, and subcontractors make no warranty, express or implied, and assume no legal liability for the information in this document; nor does any party represent that the use of this information will not infringe upon privately owned rights.

8. Changes to the Agreement

a. **Significant Changes**

Significant changes to this Agreement must be approved by the Energy Commission through a formal amendment. Significant changes include, but are not limited to:

- Change of Recipient's legal name,
- Change of Recipient,
- Changes in order to disencumber funds,
- Changes to the Work Statement that reasonably modify the purpose of the Agreement,
- Changes to the Schedule of Products that extend the due dates beyond the term of the Agreement,
- Changes to the Budget that increase the amount of the Agreement,

- Changes to the Budget that increase rates or fees.

The Recipient shall submit a request in writing to the CAM with a copy to the Energy Commission Grants and Loans Officer for any significant change. The CAM will notify the Recipient Project Manager of the appropriate Energy Commission action within ten (10) working days.

b. Nonsignificant Changes

Changes that are not significant to the Agreement do not need to be approved at a Energy Commission business meeting through a formal amendment. These changes shall be documented in a Letter of Agreement, signed by both parties.

c. Schedule of Products and Due Dates

If the Schedule of Products and Due Dates needs to be revised after the execution of the Agreement, the revised dates cannot extend beyond the term end date of the Agreement without a formal amendment. Recipient shall work with the CAM to agree on the new product due dates. The CAM will issue the revised Schedule of Products and Due Dates to the Recipient and the Grants and Loans Office.

d. Budget Reallocations

(1) The Energy Commission, through its CAM and Grants and Loans Officer, and the Recipient can agree upon and make certain budget reallocations without a formal amendment to this Agreement as long as ALL of the following conditions are met:

- (a) The total of all budget reallocations cannot exceed ten percent (10%) with a cap amount of \$150,000 of the Agreement Amount. For purposes of this provision, "Agreement Amount" means the total amount of Energy Commission funds being paid to the Recipient under this Agreement. It does not include any match funds provided by the Recipient.

For example, if under an agreement the Energy Commission agrees to pay a recipient \$100,000 and the recipient is supplying \$500,000 in match funding, the ten percent (10%) limitation applies to the \$100,000. Only up to \$10,000 of Energy Commission funds could be reallocated without a formal amendment. If under an agreement the Energy Commission agrees to pay a recipient \$2,000,000, ten percent would be \$200,000, but the cap is \$150,000, so the most that could be reallocated without a formal amendment is \$150,000.

- (b) The budget reallocation cannot substantially change the scope of work. Examples of budget reallocations that do not substantially change the scope of work include, but are not limited to, the following:
- Increasing or decreasing the overall travel budget. This does not mean an increase to the allowed per diem rates under this Agreement.
 - Increasing or decreasing the equipment budget.
 - Increasing or decreasing the number of personnel assigned to complete tasks. This does not include increasing the hourly rates of the personnel and classifications listed in the budget. Increasing hourly rates requires a formal amendment. The addition of personnel also requires a formal amendment unless there is already an identified classification of rates in the budget that the new personnel will be filling.
- (c) The budget reallocation only involves moving funds between tasks. The total Agreement Amount must remain unchanged. Increasing the total amount of the Agreement requires a formal amendment.
- (d) The budget reallocation does not increase the percentage rate of Indirect Overhead, Fringe Benefits, General and Administrative Costs, or any other rates listed in the budget. For example, if an agreement budget lists the Indirect Overhead percentage rate as 25% of Direct Labor, the 25% cannot be changed without a formal amendment.
- (2) To effectuate a budget reallocation under this section, the Recipient must make a request in writing to both the CAM and the Grants and Loans Officer. Both the CAM and the Grants and Loans Officer will then approve or disapprove the request in writing; the approval or disapproval is not effective or binding unless signed by both the CAM and the Grants and Loans Officer. Oral communications cannot be used or relied upon. If the request is approved, the CAM shall revise the Budget Attachments to reflect the changes and send them to the Grants and Loans Officer and the Recipient.
- (3) Any desired budget reallocations that do not meet the four criteria in this section must be made through a formal amendment.
- (4) Attempted budget reallocations that do not meet the requirements of this section are not legally binding upon the parties.

e. **Amendments**

This Agreement may be amended to make changes, including without limitation, additional funds, additional time, additional or modified tasks, and additional or modified terms.

9. Contracting and Procurement Procedures

This section provides general requirements for an agreement between the Recipient and a third party ("subcontractor").

All subcontracts must be submitted to the CAM for review prior to execution, pursuant to the administrative task. For subcontracts that are listed as "to be determined" in the budget, the Recipient must submit the subcontractor's budget information to the CAM, using the budget forms provided, and have an executed subcontract, before the subcontractor can incur any costs for which the Recipient will seek reimbursement.

The Recipient is required, where feasible, to employ contracting and procurement practices that promote open competition for all goods and services needed to complete this project. Recipient shall obtain price quotes from an adequate number of sources for all subcontracts.

The Energy Commission will defer to the Recipient's own regulations and procedures as long as they reflect applicable state and local laws and regulations and are not in conflict with the minimum standards specified in this Agreement.

Upon request, the Recipient must submit to the CAM a copy of all solicitations for services or products required to carry out the terms of this Agreement and copies of the proposals or bids received. If a specific subcontractor was identified in the original grant application and the grant was evaluated based in part on this subcontractor's qualifications, then prior written approval from the CAM is required before substituting a new subcontractor.

The Recipient is responsible for handling all contractual and administrative issues arising out of or related to any subcontracts it enters into under this Agreement.

All subcontracts must incorporate all of the following:

- A clear and accurate description of the material, products, or services to be procured as well as a detailed budget and timeline.
- Provisions that allow for administrative, contractual, or legal remedies in instances where subcontractors violate or breach contract terms, and provide for such sanctions and penalties as may be appropriate.
- Provisions for termination by the Recipient, including termination procedures and the basis for settlement.
- Language conforming to the "Nondiscrimination" provision in this Agreement.
- The Standard of Performance provisions specified in this Agreement.

- Retention of Records provisions specified in this Agreement.
- Audits provisions specified in this Agreement.
- Language conforming to the "Indemnification" provision in this Agreement.
- Public Work – Payment of Prevailing Wages Generally Required by Law provisions in this Agreement

Recipients who are subcontracting with University of California (UC) may use the terms and conditions negotiated by the Energy Commission with UC for their subcontracts. Recipients who are subcontracting with the Department of Energy (DOE) national laboratories may use the terms and conditions negotiated with DOE.

Failure to comply with the above requirements may result in the termination of this Agreement.

10. Bonding and Insurance

The Recipient will follow its own bonding and insurance requirements relating to bid guarantees, performance bonds, and payment bonds without regard to the dollar value of the subcontract(s) as long as they reflect applicable state and local laws and regulations.

11. Permits and Clearances

The Recipient is responsible for ensuring all necessary permits and environmental documents are prepared and clearances are obtained from the appropriate agencies.

12. Equipment

Equipment is defined as having a useful life of at least one year, having an acquisition unit cost of at least \$5,000, and purchased with Energy Commission funds. Equipment means any products, objects, machinery, apparatus, implements or tools purchased, used or constructed within the Project, including those products, objects, machinery, apparatus, implements or tools from which over thirty percent (30%) of the equipment is composed of materials purchased for the Project. For purposes of determining depreciated value of equipment used in the Agreement, the Project shall terminate at the end of the normal useful life of the equipment purchased, funded and/or developed with Energy Commission funds. The Energy Commission may determine the normal useful life of such equipment.

Title to equipment acquired by the Recipient with grant funds shall vest in the Recipient. The Recipient shall use the equipment in the project or program for which it was acquired as long as needed, whether or not the project or program continues to be supported by grant funds, and the Recipient shall not encumber the property without CAM approval. When no longer needed for the original project or program, the Recipient shall contact the CAM for disposition instructions.

13. Termination

This project may be terminated for any reason set forth below.

a. **With Cause**

In the event of any breach by the Recipient of the conditions set forth in this Agreement, this Agreement may be terminated for cause upon five (5) days written notice to the Recipient, without prejudice to any of the Energy Commission's legal remedies.

b. **Without Cause**

This Agreement may, at the Energy Commission's option, be terminated without cause in whole or in part, upon giving thirty (30) days advance notice in writing to the Recipient by certified mail, return receipt requested. In such event, the Recipient agrees to use all reasonable efforts to mitigate the Recipient's expenses and obligations hereunder. Also in such event, the Energy Commission shall pay the Recipient for all satisfactory work performed and expenses incurred within 30 days after such notice of termination which could not by reasonable efforts of the Recipient have been avoided, but not in excess of the maximum payable under this Agreement.

14. Stop Work

The Energy Commission Grants Officer may, at any time, by written notice to Recipient, require Recipient to stop all or any part of the work tasks in this Agreement. Stop work orders may be issued for reasons such as a project exceeding budget, standard of performance, out of scope work, delay in Project schedule, misrepresentations and the like.

- a. **Compliance.** Upon receipt of such stop work order, Recipient shall immediately take all necessary steps to comply therewith and to minimize the incurrence of costs allocable to work stopped.
- b. **Equitable Adjustment.** An equitable adjustment shall be made by Energy Commission based upon a written request by Recipient. Such adjustment request must be made by Recipient within thirty (30) days from the date of the stop work order.
- c. **Canceling a Stop Work Order.** Recipient shall resume the work only upon receipt of written instructions from the Energy Commission Grants Officer.

15. Travel and Per Diem

- a. The Recipient shall be reimbursed for travel and per diem expenses using the same rates provided to non-represented State employees. The Recipient must pay for travel in excess of these rates. The Recipient may obtain current rates from the Energy Commission's Web Site at: http://www.energy.ca.gov/contracts/TRAVEL_PER_DIEM.PDF.

- b. For purposes of payment, Recipient's headquarters shall be considered the location of the Recipient's office where the employees' assigned responsibilities for this award are permanently assigned. Travel expenditures not listed in this section cannot be reimbursed.
- c. Travel identified in the Budget section of this Agreement is approved and does not require further authorization.
- d. Travel that is not included in the Budget section of this Agreement shall require written authorization from the CAM and Grants and Loans Officer prior to travel departure. The Energy Commission will reimburse travel expenses from the Recipient's office location.
- e. The Recipient must retain documentation of travel expenses in its financial records. The documentation must be listed by trip and include dates and times of departure and return, departure and destination cities. Travel receipts, including for travel meals and incidentals, shall be submitted with invoices requesting reimbursement from the Energy Commission.

16. Standard of Performance

Recipient, its subcontractors and their employees, in the performance of Recipient's work under this Agreement shall be responsible for exercising the degree of skill and care required by customarily accepted good professional practices and procedures used in the Recipient's field.

Any costs for failure to meet the foregoing standard or to correct otherwise defective work that requires re-performance of the work, as directed by CAM, shall be borne in total by Recipient and not the Energy Commission. The failure of a project to achieve the performance goals and objectives stated in the Work Statement is not a basis for requesting re-performance unless the work conducted by Recipient and/or its subcontractors is deemed by the Energy Commission to have failed the foregoing standard of performance.

In the event Recipient/subcontractor fails to perform in accordance with the above standard:

- Recipient/subcontractor will re-perform, at its own expense, any task which was not performed to the reasonable satisfaction of the CAM. Any work re-performed pursuant to this paragraph shall be completed within the time limitations originally set forth for the specific task involved. Recipient/subcontractor shall work any overtime required to meet the deadline for the task at no additional cost to the Energy Commission;
- The Energy Commission shall provide a new schedule for the re-performance of any task pursuant to this paragraph in the event that re-performance of a task within the original time limitations is not feasible; and

- The Energy Commission shall have the option to direct Recipient/subcontractor not to re-perform any task which was not performed to the reasonable satisfaction of the CAM pursuant to application of (1) and (2) above. In the event the Energy Commission directs Recipient/subcontractor not to re-perform a task, the Energy Commission and Recipient shall negotiate a reasonable settlement for satisfactory work performed. No previous payment shall be considered a waiver of the Energy Commission's right to reimbursement.

Nothing contained in this section is intended to limit any of the rights or remedies which the Energy Commission may have under law.

17. Payment of Funds

The Energy Commission agrees to reimburse the Recipient for actual allowable expenditures incurred in accordance with the Budget. The rates in the Budget are rate caps, or the maximum amount allowed to be billed. The Recipient can only bill for actual expenses incurred at the Recipient's actual direct labor rate(s), fringe benefit rate(s), and indirect rate(s), not to exceed the rates specified in the Budget.

a. Payment Requests

The Recipient may request payment from the Energy Commission at any time during the term of this Agreement although it is preferred that payment requests be submitted with the progress reports. The final payment request must be received by the Energy Commission along with the draft Final Report 60 days prior to the end of the Agreement term.

Payments will generally be made on a reimbursement basis for Recipient expenditures, i.e., after the Recipient has incurred the cost for a service, product, supplies, or other approved budget item. No reimbursement for food or beverages shall be made other than allowable per diem charges.

Funds in this Agreement have a limited period in which they must be expended. All Recipient expenditures must occur within the approved term of this Agreement.

b. Documentation

All payment requests must be submitted using a completed Payment Request form. This form must be accompanied by an itemized list of all charges and copies of all receipts or invoices necessary to document these charges for both Energy Commission and match share, including backup documentation for actual expenditures, such as time cards, vendor invoices, and proof of payment. Any payment request that is submitted without the itemization will not be authorized. If the itemization or documentation is incomplete, inadequate, or inaccurate, the CAM will inform the Recipient and hold the invoice until all required information is received or corrected. Any penalties imposed on the Recipient by a subcontractor because of delays in payment will be paid by the Recipient.

Any documentation in foreign currency must be converted to dollars, and the conversion rate must be included in your itemization.

c. **Certification**

The following certification shall be included on each Payment Request form and signed by the Recipient's authorized officer:

I certify that this invoice is correct and proper for payment, and reimbursement for these costs has not and will not be received from any other sources, including but not limited to a government entity contract, subcontract or other procurement method.

Additional certification required related to the payment of prevailing wages. Refer to section 27 of these terms and conditions for more information.

d. **Government Entity**

Government Entity is defined as a governmental agency from California or any state or a state college or state university from California or any state; a local government entity or agency, including those created as a Joint Powers Authority; an auxiliary organization of the California State University or a California community college; the Federal Government; a foundation organized to support the Board of Governors of the California Community Colleges or an auxiliary organization of the Student Aid Commission established under Education Code 69522.

e. **Release of Funds**

The CAM will not process any payment request during the Agreement term until the following conditions have been met:

- All required reports have been submitted and are satisfactory to the CAM.
- All applicable special conditions have been met.
- All appropriate permits or permit waivers from governmental agencies have been issued to the Recipient and copies have been received by the CAM.
- All products due have been submitted and are satisfactory to the CAM.
- Other prepayment conditions as may be required by the CAM have been met. Such conditions will be specified in writing ahead of time, if possible.

f. **Fringe Benefits, Indirect Overhead, and General and Administrative (G&A),**
Indirect cost rates must be developed in accordance with generally accepted accounting principles. If the Recipient has an approved fringe benefits or indirect cost rate (indirect overhead or G&A) from their cognizant Federal Agency, the Recipient may bill at the federal rate up to the Budget rate caps if the following conditions are met:

- The Recipient may bill at the federal provisional rate but must adjust annually to reflect their actual final rates for the year in accordance with the Labor, Fringe, and Indirect Invoicing Instructions which can be accessed in this agreement.
- The cost pools used to develop the federal rates must be allocable to the Energy Commission Agreement, and the rates must be representative of the portion of costs benefiting the Energy Commission Agreement. For example, if the federal rate is for manufacturing overhead at the Recipient's manufacturing facility and the Energy Commission Agreement is for research and development at their research facility, the federal indirect overhead rate would not be applicable to the Energy Commission Agreement.
- The federal rate must be adjusted to exclude any costs that are specifically prohibited in the Energy Commission Agreement.
- The Recipient may only bill up to the Agreement Budget rate caps unless and until an amendment to the Agreement Budget is approved.

g. **Retention**

It is the Energy Commission's policy to retain 10 percent of any payment request or 10 percent of the total Energy Commission award at the end of the project. After the project is complete the Recipient must submit a completed payment request form requesting release of the retention. The CAM will review the project file and, when satisfied that the terms of the funding Agreement have been fulfilled, will authorize release of the retention.

h. **State Controller's Office**

Payments are made by the State Controller's Office.

18. Fiscal Accounting Requirements

a. **Accounting and Financial Methods**

The Recipient shall establish a separate ledger account or fund for receipt and disbursement of Energy Commission funds for each project funded by the Energy Commission. Expenditure details must be maintained in accordance with the approved budget details using appropriate accounting practices.

b. Retention of Records

The Recipient shall retain all project records (including financial records, progress reports, and payment requests) for a minimum of three (3) years after the final payment has been received or three years after the federal grant term, whichever is later, unless otherwise specified in the funding Agreement.

Records for nonexpendable personal property acquired with grant funds shall be retained for three years after its final disposition or three years after the federal grant term, whichever is later.

c. Audits

Upon written request from the Energy Commission, the Recipient shall provide detailed documentation of all expenses at any time throughout the project. In addition, the Recipient agrees to allow the Energy Commission or any other agency of the State, or their designated representative, upon written request, to have reasonable access to and the right of inspection of all records that pertain to the project during the term of this Agreement and for a period of three (3) years thereafter or three years after the federal grant term, whichever is later, unless the Energy Commission notifies the Recipient, prior to the expiration of such three-year period, that a longer period of record retention is necessary. Further, the Recipient agrees to incorporate an audit of this project within any scheduled audits, when specifically requested by the State. Recipient agrees to include a similar right to audit in any subcontract.

Recipients are strongly encouraged to conduct annual audits in accordance with the single audit concept. The Recipient should provide two copies of the independent audit report and any resulting comments and correspondence to the CAM within 30 days of the completion of such audits.

d. Cost or Match Share

Cost or Match Share means cash or in-kind (non-cash) contributions provided by Recipient, subcontractors or other parties that will be used in performance of this Agreement.

If the grant Budget includes cost or match share under this Agreement, the Recipient agrees to be liable for the percentage of cost or match share identified in this Agreement of the total allowable project costs incurred even if the project is terminated early or is not funded to its completion.

Total allowable project cost is the sum of the Agreement share and Recipient share of the project costs. *Cost share* percentage is calculated by dividing Recipient cost share amount by the total allowable project cost. *Match share* percentage is calculated by dividing Recipient match share by the Agreement share of the project costs.

Failure to provide the minimum required cost or match share may result in the subsequent recovery of some or all of the funds provided under this Agreement.

The Recipient must maintain accounting records detailing the expenditure of the match (actual cash and in-kind services) and provide complete documentation of expenditures as described under "Payment of Funds."

19. Indemnification

The Recipient agrees to indemnify, defend, and save harmless the State, its officers, agents, and employees from any and all claims and losses accruing or resulting to Recipient and to any and all contractors, subcontractors, materialmen, laborers, and any other person, firm, or corporation furnishing or supplying work, services, materials, or supplies in connection with the performance of this Agreement, and from any and all claims and losses accruing or resulting to any person, firm, or corporation who may be injured or damaged by the Recipient in the performance of this Agreement.

20. Disputes

In the event of a dispute or grievance between Recipient and the Energy Commission regarding this Agreement, the following two-step procedure shall be followed by both parties. Recipient shall continue with responsibilities under this Agreement during any dispute.

a. Energy Commission Dispute Resolution Level 1

The Recipient shall first discuss the problem informally with the CAM. If the problem cannot be resolved at this stage, the Recipient must direct the grievance together with any evidence, in writing, to the Energy Commission Grants and Loans Officer. The grievance must state the issues in the dispute, the legal authority or other basis for the Recipient's position and the remedy sought. The Energy Commission Grants and Loans Officer and the Program Office Manager must make a determination on the problem within ten (10) working days after receipt of the written communication from the Recipient. The Grants and Loans Officer shall respond in writing to the Recipient, indicating a decision supported by reasons. Should the Recipient disagree with the Grants and Loans Officer decision, the Recipient may appeal to the second level.

b. **Energy Commission Dispute Resolution Level 2**

The Recipient must prepare a letter indicating why the Grants and Loans Officer's decision is unacceptable, attaching to it the Recipient's original statement of the dispute with supporting documents, along with a copy of the Grants and Loans Officer's response. This letter shall be sent to the Executive Director at the Energy Commission within ten (10) working days from receipt of the Grants and Loans Officer's decision. The Executive Director or designee shall meet with the Recipient to review the issues raised. A written decision signed by the Executive Director or designee shall be returned to the Recipient within twenty (20) working days of receipt of the Recipient's letter. The Executive Director may exercise the option of presenting the decision to the Energy Commission at a business meeting. Should the Recipient disagree with the Executive Director's decision, the Recipient may appeal to the Energy Commission at a regularly scheduled business meeting. Recipient will be provided with the current procedures for placing the appeal on a Energy Commission Business Meeting Agenda.

21. Workers' Compensation Insurance

- a. Recipient hereby warrants that it carries Worker's Compensation Insurance for all of its employees who will be engaged in the performance of this Agreement, and agrees to furnish to the CAM satisfactory evidence of this insurance at any time the CAM may request.
- b. If Recipient is self-insured for worker's compensation, it hereby warrants such self-insurance is permissible under the laws of the State of California and agrees to furnish to the CAM satisfactory evidence of this insurance at any time the CAM may request.

22. General Provisions

a. **Governing Law**

It is hereby understood and agreed that this Agreement shall be governed by the laws of the State of California as to interpretation and performance.

b. **Independent Capacity**

The Recipient, and the agents and employees of the Recipient, in the performance of this Agreement, shall act in an independent capacity and not as officers or employees or agents of the Energy Commission.

c. **Assignment**

Without the written consent of the Energy Commission in the form of a formal written amendment, this Agreement is not assignable or transferable by Recipient either in whole or in part.

d. **Timeliness**

Time is of the essence in this Agreement.

e. **Unenforceable Provision**

In the event that any provision of this Agreement is unenforceable or held to be unenforceable, then the parties agree that all other provisions of this Agreement have force and effect and shall not be affected thereby.

f. **Waiver**

No waiver of any breach of this Agreement shall be held to be a waiver of any other or subsequent breach. All remedies afforded in this Agreement shall be taken and construed as cumulative, that is, in addition to every other remedy provided therein or by law.

g. **Assurances**

The Energy Commission reserves the right to seek further written assurances from the Recipient and its team that the work of the project under this Agreement will be performed consistent with the terms of the Agreement.

h. **Change in Business**

- (1) Recipient shall promptly notify the Energy Commission of the occurrence of each of the following:
 - (a) A change of address.
 - (b) A change in the business name or ownership.
 - (c) The existence of any litigation or other legal proceeding affecting the project.
 - (d) The occurrence of any casualty or other loss to project personnel, equipment or third parties of a type commonly covered by insurance.
 - (e) Receipt of notice of any claim or potential claim against Recipient for patent, copyright, trademark, service mark and/or trade secret infringement that could affect the Energy Commission's rights.
- (2) Recipient shall not change or reorganize the type of business entity under which it does business except upon prior written notification to the Energy Commission. A change of business entity or name change requires an amendment assigning or novating the Agreement to the changed entity. In the event the Energy Commission is not satisfied that the new entity can perform as the original Recipient, the Energy Commission may terminate this Agreement as provided in the termination paragraph.

Survival of Terms

It is understood and agreed that certain provisions shall survive the completion or termination date of this Agreement for any reason. The provisions include, but are not limited to:

- "Payments of Funds"
- "Equipment"
- "Change in Business"
- "Disputes"
- "Termination"
- "Audit"
- "Indemnification"
- "Fiscal Accounting Requirements"

23. Certifications and Compliance

a. Federal, State and Municipal Requirements

Recipient must obtain any required permits and shall comply with all applicable federal, State, and municipal laws, rules, codes, and regulations for work performed under this Agreement.

b. Nondiscrimination Statement of Compliance

During the performance of this Agreement, Recipient and its subcontractors shall not unlawfully discriminate, harass or allow harassment, against any employee or applicant for employment because of sex, sexual orientation, race, color, ancestry, religious creed, national origin, disability (including HIV and AIDS), medical condition (cancer), age, marital status, and denial of family care leave. Recipient and its subcontractors shall insure that the evaluation and treatment of their employees and applicants for employment are free of such discrimination and harassment. Recipient and its subcontractors shall comply with the provisions of the Fair Employment and Housing Act (Government Code Sections 12990 et seq.) and the applicable regulations promulgated thereunder (California Code of Regulations, Title 2, Section 7285.0 et seq.). The applicable regulations of the Fair Employment and Housing Commission implementing Government Code Section 12990 (a-f), set forth in Chapter 5 of Division 4 of Title 2 of the California Code of Regulations are incorporated into this Agreement by reference and made a part of it as if set forth in full. Recipient and its subcontractors shall give written notice of their obligations under this clause to labor organizations with which they have a collective bargaining or other Agreement.

The Recipient shall include the nondiscrimination and compliance provisions of this clause in all subcontracts to perform work under this Agreement.

c. **Drug-Free Workplace Certification**

By signing this Agreement, the Recipient hereby certifies under penalty of perjury under the laws of the State of California that the Recipient will comply with the requirements of the Drug-Free Workplace Act of 1990 (Government Code Section 8350 et seq.) and will provide a drug-free workplace by taking the following actions:

- (1) Publish a statement notifying employees that unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance is prohibited and specifying actions to be taken against employees for violations as required by Government Code Section 8355(a)(1).
- (2) Establish a Drug-Free Awareness Program as required by Government Code Section 8355(a)(2) to inform employees about all of the following:
 - The dangers of drug abuse in the workplace;
 - The person's or organization's policy of maintaining a drug-free workplace;
 - Any available counseling, rehabilitation, and employee assistance programs; and
 - Penalties that may be imposed upon employees for drug abuse violations.
- (3) Provide, as required by Government Code Section 8355(a)(3), that every employee who works on the proposed project:
 - Will receive a copy of the company's drug-free policy statement;
 - Will agree to abide by the terms of the company's statement as a condition of employment on the project.

Failure to comply with these requirements may result in suspension of payments under the Agreement or termination of the Agreement or both, and the Recipient may be ineligible for any future State awards if the Energy Commission determines that any of the following has occurred: (1) the Recipient has made false certification, or (2) violates the certification by failing to carry out the requirements as noted above.

d. **Child Support Compliance Act (Applicable to California Employers)**

For any Agreement in excess of \$100,000, the Recipient acknowledges that:

- It recognizes the importance of child and family support obligations and shall fully comply with all applicable State and federal laws relating to child and family support enforcement, including, but not limited to, disclosure of information and compliance with earnings assignment orders, as provided in Chapter 8 (commencing with section 5200) of Part 5 of Division 9 of the Family Code; and
- To the best of its knowledge is fully complying with the earnings assignment orders of all employees and is providing the names of all new employees to the New Hire Registry maintained by the California Employment Development Department.

e. **Americans with Disabilities Act**

By signing this Agreement, Recipient assures the State that it complies with the Americans with Disabilities Act (ADA) of 1990 (42 U.S.C. 12101, et seq.), which prohibits discrimination on the basis of disability, as well as applicable regulations and guidelines issued pursuant to the ADA.

24. Site Visits

The Energy Commission and/or its designees have the right to make site visits at reasonable times to review project accomplishments and management control systems and to provide technical assistance, if required. Recipient must provide and must require subawardees to provide reasonable facilities and assistance for the safety and convenience of the government representatives in the performance of their duties. All site visits and evaluations must be performed in a manner that does not unduly interfere with or delay the work.

25. Confidentiality

A. **Information Considered Confidential**

Confidential information is information designated confidential pursuant to the procedures specified in 20 CCR 2505. If applicable, all Recipient information considered confidential at the commencement of this Agreement is designated in the Attachment to this Exhibit.

B. **Confidential Deliverables: Labeling and Submitting Confidential Information**

Prior to the commencement of this Agreement, if applicable, the parties have identified in the Attachment to this Exhibit, specific Confidential Information to be provided as a deliverable. All such confidential deliverables shall be marked, by the Recipient, as "Confidential" on each page of the document containing the Confidential Information and presented in a sealed package to the Energy Commission Grants Officer. (Non-confidential deliverables are submitted to the Accounting Office.) All Confidential Information will be contained in the "confidential" volume; no Confidential Information will be in the "public" volume.

C. Submittal of Unanticipated Confidential Information as a Deliverable

The Recipient and the Energy Commission agree that during this Agreement, it is possible that the Recipient may develop additional data or information not originally anticipated as a confidential deliverable. In this case, Recipient shall follow the procedures for a request for designation of Confidential Information specified in 20 CCR 2505. The Energy Commission's Executive Director makes the determination of confidentiality. Such subsequent determinations may be added to the list of confidential deliverables in the Attachment to this Exhibit.

D. Disclosure of Confidential Information

Disclosure of Confidential Information by the Energy Commission may only be made pursuant to 20 CCR 2506 and 2507. All confidential data, records or deliverables that are legally disclosed by the Recipient or any other entity become public records and are no longer subject to the above confidentiality designation.

26. Budget Contingency Clause

It is mutually agreed that this Agreement shall be of no further force and effect if the Budget Act of the current year and/or any subsequent years covered under this Agreement does not appropriate sufficient funds for the work identified in Exhibit A. In this event, the Energy Commission shall have no liability to pay any funds whatsoever to the Recipient or to furnish any other consideration under this Agreement, and the Recipient shall not be obligated to perform any provisions of this Agreement.

If funding for any fiscal year is reduced or deleted by the Budget Act for purposes of this program, the Energy Commission shall have the option to either: 1) cancel this Agreement with no liability occurring to the Energy Commission; or 2) offer an Agreement Amendment to the Recipient to reflect the reduced amount.

27. Public Works -- Payment of Prevailing Wages

Generally Required by Law

Projects that receive an award of public funds from the Energy Commission often involve construction, alteration, demolition, installation, repair or maintenance work over \$1,000.

NOTE: Projects that receive an award of public funds from the Energy Commission are likely to be considered public works under the California Labor Code. See Chapter 1 of Part 7 of Division 2 of the California Labor Code, commencing with Section 1720 and Title 8, California Code of Regulations, Chapter 8, Subchapter 3, commencing with Section 16000.

Accordingly, the Energy Commission assumes that all projects it funds are public works. Projects deemed to be public works require among other things the payment of prevailing wages.

NOTE: Prevailing wage rates can be significantly higher than non-prevailing wage rates.

By accepting this grant, Recipient as a material term of this agreement shall be fully responsible for complying with all California public works requirements including but not limited to payment of prevailing wage. Therefore, as a material term of this grant, Recipient must either:

(a) Proceed on the assumption that the project is a public work and ensure that:

- (i) prevailing wages are paid; and
- (ii) the project budget for labor reflects these prevailing wage requirements; and
- (iii) the project complies with all other requirements of prevailing wage law including but not limited to keeping accurate payroll records, and complying with all working hour requirements and apprenticeship obligations;

or,

(b) Timely obtain a legally binding determination from DIR or a court of competent jurisdiction before work begins on the project that the proposed project is not a public work.

NOTE: Only the California Department of Industrial Relations (DIR) and courts of competent jurisdiction have jurisdiction to issue legally binding determinations that a particular project is or is not a public work.

If the Recipient is unsure whether the project receiving this award is a "public work" as defined in the California Labor Code, it may wish to seek a timely determination from the California Department of Industrial Relations (DIR) or an appropriate court.

NOTE: Such processes can be time consuming and therefore it may not be possible to obtain a timely determination before the date for performance of the award commences.

If the Recipient does not timely obtain a binding determination from DIR or a court of competent jurisdiction that the project is not a public work, before the grant agreement from the Energy Commission is executed, the Recipient shall assume that the project is a public work and that payment of prevailing wages is required and shall pay prevailing wages unless and until such time as the project is subsequently determined to not be a public work by DIR or a court of competent jurisdiction.

NOTE: California Prevailing Wage law provides for substantial damages and financial penalties for failure to pay prevailing wages when payment of prevailing wages is required.

Subcontractors and Flow-down Requirements. Recipient shall ensure that its subcontractors, if any, also comply with above requirements with respect to public works/prevaling wage. Recipient shall ensure that all agreements with its contractors/subcontractors to perform work related to this Project contain the above terms regarding payment of prevailing wages on public works projects. Recipient shall be responsible for any failure of Recipient's subcontractors to comply with California prevailing wage and public works laws.

Indemnification and breach. Any failure of Recipient or its subcontractors to comply with the above requirements shall constitute a breach of this agreement that excuses the Energy Commission's performance of this grant agreement at the Energy Commission's option, and shall be at Recipient's sole risk. In such a case, Energy Commission may refuse payment to Recipient of any amount under this award and Energy Commission shall be released, at its option, from any further performance of this award or any portion thereof. By accepting this grant award, as a material term of this agreement, Recipient agrees to indemnify the Energy Commission and hold the Energy Commission harmless for any and all financial consequences arising out of or resulting from the failure of Recipient and/or any of Recipient's subcontractors to pay prevailing wages or to otherwise comply with the requirements of prevailing wage law.

Budget. Recipient's budget on public works projects must indicate which job classifications are subject to prevailing wage. For detailed information about prevailing wage and the process to determine if the proposed project is a public work, Recipient may wish to contact the California Department of Industrial Relations (DIR) or a qualified labor attorney of their choice for guidance.

Covered Trades. For public works projects, Recipient may contact DIR for a list of covered trades and the applicable prevailing wage.

Questions. If Recipient has any questions about this contractual requirement or the wage, record keeping, apprenticeship or other significant requirements of California prevailing wage law, it is recommended that Recipient consult DIR and/or a qualified labor attorney of its choice before accepting the award for this grant.

Certification. Recipient shall certify to the Energy Commission on each Payment Request Form, either that (a) prevailing wages were paid to eligible workers who provided labor for work covered by the payment request and that the Recipient and all contractors and subcontractors otherwise complied with all California prevailing wage laws, or (b) that the project is not a public work requiring the payment of prevailing wages. In the latter case, Recipient shall provide competent proof of a DIR or court determination that the project is not a public work requiring the payment of prevailing wages.

Prior to the release of any retained funds under this Agreement, the Recipient shall submit to the Energy Commission the above-described certificate signed by the Recipient and all contractors and subcontractors performing public works activities on the project. Absent such certificate, Recipient shall have no right to any funds under this grant, and Energy Commission shall be relieved of any obligation to pay said funds.

28. *Intellectual Property*

The Energy Commission makes no claim to Intellectual property developed under this Agreement that is not specified for delivery, except as expressly provided herein.

**Exhibit D
Contact List**

California Energy Commission	Recipient
<p>Commission Agreement Manager:</p> <p>Sam Lerman California Energy Commission 1516 Ninth Street, MS-27 Sacramento, CA 95814 Phone: (916) 654-4649 Fax: (916) 654-4676 e-mail: samuel.lerman@energy.ca.gov</p>	<p>Project Manager:</p> <p>Jacob Goldberg City of Los Angeles, Harbor Department 425 S. Palos Verdes Street San Pedro, CA 90731 Phone: (310) 732-2675 Fax: (310) 547-4643 e-mail: jgoldberg@portla.org</p>
<p>Commission Agreement Officer:</p> <p>California Energy Commission 1516 Ninth Street, MS-18 Sacramento, CA 95814</p>	<p>Administrator:</p> <p>Christopher Cannon Chief Sustainability Officer City of Los Angeles, Harbor Department 425 S. Palos Verdes Street San Pedro, CA 90731 Phone: (310) 732-7649 Fax: (310) 547-4643 e-mail: ccannon@portla.org</p>
<p>Accounting Officer:</p> <p>California Energy Commission 1516 Ninth Street, MS-2 Sacramento, CA 95814</p>	<p>Accounting Officer:</p> <p>Frank Liu Accounting Director City of Los Angeles, Harbor Department 425 S. Palos Verdes Street San Pedro, CA 90731 Phone: (310) 732-3799 Fax: (310) 831-0439 e-mail: Flu@portla.org</p>
<p>Legal Notices:</p> <p>Tatyana Yakshina Grants Manager 1516 Ninth Street, MS-18 Sacramento, CA 95814 Phone: (916) 654-4204 Fax: (916) 654-4423 e-mail: tatyana.yakshina@energy.ca.gov</p>	<p>Recipient Legal Notices:</p> <p>Office of the City Attorney, Harbor Division 425 S. Palos Verdes Street San Pedro, CA 90731 Phone: (310) 732-3750 Fax: (310) 831-9778 e-mail: PaulaGeneralCounsel@portla.org</p>

EXHIBIT B

BUSINESS TAX REGISTRATION CERTIFICATE (BTRC) NUMBER

The City of Los Angeles Office of Finance requires all firms that engage in any business activity within the City of Los Angeles to pay City business taxes. Each firm or individual (other than a municipal employee) is required to obtain the necessary Business Tax Registration Certification (BTRC) and pay business tax. (Los Angeles Municipal Code Section 21.09 et seq.)

All firms and individuals that do business with the City of Los Angeles will be required to provide a BTRC number or an exemption number as proof of compliance with Los Angeles City business tax requirements in order to receive payment for goods or services. Beginning October 14, 1987, payments for goods or services will be withheld unless proof of tax compliance is provided to the City.

The Tax and Permit Division of Los Angeles Office of Finance has the sole authority to determine whether a firm is covered by business tax requirements. Those firms not required to pay will be given an exemption number.

If you do NOT have a BTRC number contact the Tax and Permit Division at the office listed below, or log on to <http://finance.lacity.org/business-tax-information-faq> to download the business tax registration application.

MAIN OFFICE

LA City Hall

201 N. Main Street, Rm. 101 (844) 663-4411

EXHIBIT C - AFFIRMATIVE ACTION PROGRAM PROVISIONS

Sec. 10.8.4 Affirmative Action Program Provisions.

Every non-construction contract with or on behalf of the City of Los Angeles for which the consideration is \$100,000 or more and every construction contract with or on behalf of the City of Los Angeles for which the consideration is \$5,000 or more shall contain the following provisions which shall be designated as the AFFIRMATIVE ACTION PROGRAM provisions of such contract:

- A. During the performance of City contract, the contractor certifies and represents that the contractor and each subcontractor hereunder will adhere to an affirmative action program to ensure that in its employment practices, persons are employed and employees are treated equally and without regard to or because of race, religion, ancestry, national origin, sex, sexual orientation, age, disability, marital status, domestic partner status, or medical condition.
 - 1. This provision applies to work or services performed or materials manufactured or assembled in the United States.
 - 2. Nothing in this section shall require or prohibit the establishment of new classifications of employees in any given craft, work or service category.
 - 3. The contractor shall post a copy of Paragraph A hereof in conspicuous places at its place of business available to employees and applicants for employment.
- B. The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to their race, religion, ancestry, national origin, sex, sexual orientation, age, disability, marital status, domestic partner status, or medical condition.
- C. As part of the City's supplier registration process, and/or at the request of the awarding authority or the Office of Contract Compliance, the contractor shall certify on an electronic or hard copy form to be supplied, that the contractor has not discriminated in the performance of City contracts against any employee or applicant for employment on the basis or because of race, religion, ancestry, national origin, sex, sexual orientation, age, disability, marital status, domestic partner status, or medical condition.
- D. The contractor shall permit access to and may be required to provide certified copies of all of its records pertaining to employment and to its employment practices by the awarding authority or the Office of Contract Compliance, for the purpose of investigation to ascertain compliance with the Affirmative Action Program provisions of City contracts, and on their or either of their request to provide evidence that it has or will comply therewith.

- E. The failure of any contractor to comply with the Affirmative Action Program provisions of City contracts may be deemed to be a material breach of contract. Such failure shall only be established upon a finding to that effect by the awarding authority, on the basis of its own investigation or that of the Board of Public Works, Office of Contract Compliance. No such finding shall be made except upon a full and fair hearing after notice and an opportunity to be heard has been given to the contractor.
- F. Upon a finding duly made that the contractor has breached the Affirmative Action Program provisions of a City contract, the contract may be forthwith cancelled, terminated or suspended, in whole or in part, by the awarding authority, and all monies due or to become due hereunder may be forwarded to and retained by the City of Los Angeles. In addition thereto, such breach may be the basis for a determination by the awarding authority or the Board of Public Works that the said contractor is an irresponsible bidder or proposer pursuant to the provisions of Section 371 of the Los Angeles City Charter. In the event of such determination, such contractor shall be disqualified from being awarded a contract with the City of Los Angeles for a period of two years, or until he or she shall establish and carry out a program in conformance with the provisions hereof.
- G. In the event of a finding by the Fair Employment and Housing Commission of the State of California, or the Board of Public Works of the City of Los Angeles, or any court of competent jurisdiction, that the contractor has been guilty of a willful violation of the California Fair Employment and Housing Act, or the Affirmative Action Program provisions of a City contract, there may be deducted from the amount payable to the contractor by the City of Los Angeles under the contract, a penalty of TEN DOLLARS (\$10.00) for each person for each calendar day on which such person was discriminated against in violation of the provisions of a City contract.
- H. Notwithstanding any other provisions of a City contract, the City of Los Angeles shall have any and all other remedies at law or in equity for any breach hereof.
- I. The Public Works Board of Commissioners shall promulgate rules and regulations through the Office of Contract Compliance and provide to the awarding authorities electronic and hard copy forms for the implementation of the Affirmative Action Program provisions of City contracts, and rules and regulations and forms shall, so far as practicable, be similar to those adopted in applicable Federal Executive Orders. No other rules, regulations or forms may be used by an awarding authority of the City to accomplish this contract compliance program.
- J. Nothing contained in City contracts shall be construed in any manner so as to require or permit any act which is prohibited by law.
- K. The Contractor shall submit an Affirmative Action Plan which shall meet the requirements of this chapter at the time it submits its bid or proposal or at the time it registers to do business with the City. The plan shall be subject to approval by the

Office of Contract Compliance prior to award of the contract. The awarding authority may also require contractors and suppliers to take part in a pre-registration, pre-bid, pre-proposal, or pre-award conference in order to develop, improve or implement a qualifying Affirmative Action Plan. Affirmative Action Programs developed pursuant to this section shall be effective for a period of twelve

months from the date of approval by the Office of Contract Compliance. In case of prior submission of a plan, the contractor may submit documentation that it has an Affirmative Action Plan approved by the Office of Contract Compliance within the previous twelve months. If the approval is 30 days or less from expiration, the contractor must submit a new Plan to the Office of Contract Compliance and that Plan must be approved before the contract is awarded.

1. Every contract of \$5,000 or more which may provide construction, demolition, renovation, conservation or major maintenance of any kind shall in addition comply with the requirements of Section 10.13 of the Los Angeles Administrative Code.
 2. A contractor may establish and adopt as its own Affirmative Action Plan, by affixing his or her signature thereto, an Affirmative Action Plan prepared and furnished by the Office of Contract Compliance, or it may prepare and submit its own Plan for approval.
- L. The Office of Contract Compliance shall annually supply the awarding authorities of the City with a list of contractors and suppliers who have developed Affirmative Action Programs. For each contractor and supplier the Office of Contract Compliance shall state the date the approval expires. The Office of Contract Compliance shall not withdraw its approval for any Affirmative Action Plan or change the Affirmative Action Plan after the date of contract award for the entire contract term without the mutual agreement of the awarding authority and the contractor.
- M. The Affirmative Action Plan required to be submitted hereunder and the pre-registration, pre-bid, pre-proposal or pre-award conference which may be required by the Board of Public Works, Office of Contract Compliance or the awarding authority shall, without limitation as to the subject or nature of employment activity, be concerned with such employment practices as:
1. Apprenticeship where approved programs are functioning, and other on-the-job training for non-apprenticeable occupations;
 2. Classroom preparation for the job when not apprenticeable;
 3. Pre-apprenticeship education and preparation;
 4. Upgrading training and opportunities;

5. Encouraging the use of contractors, subcontractors and suppliers of all racial and ethnic groups, provided, however, that any contract subject to this ordinance shall require the contractor, subcontractor or supplier to provide not less than the prevailing wage, working conditions and practices generally observed in private industries in the contractor's, subcontractor's or supplier's geographical area for such work;
 6. The entry of qualified women, minority and all other journeymen into the industry; and
 7. The provision of needed supplies or job conditions to permit persons with disabilities to be employed, and minimize the impact of any disability.
- N. Any adjustments which may be made in the contractor's or supplier's workforce to achieve the requirements of the City's Affirmative Action Contract Compliance Program in purchasing and construction shall be accomplished by either an increase in the size of the workforce or replacement of those employees who leave the workforce by reason of resignation, retirement or death and not by termination, layoff, demotion or change in grade.
- O. Affirmative Action Agreements resulting from the proposed Affirmative Action Plan or the pre-registration, pre-bid, pre-proposal or pre-award conferences shall not be confidential and may be publicized by the contractor at his or her discretion. Approved Affirmative Action Agreements become the property of the City and may be used at the discretion of the City in its Contract Compliance Affirmative Action Program.
- P. This ordinance shall not confer upon the City of Los Angeles or any Agency, Board or Commission thereof any power not otherwise provided by law to determine the legality of any existing collective bargaining agreement and shall have application only to discriminatory employment practices by contractors or suppliers engaged in the performance of City contracts.
- Q. All contractors subject to the provisions of this section shall include a like provision in all subcontracts awarded for work to be performed under the contract with the City and shall impose the same obligations, including but not limited to filing and reporting obligations, on the subcontractors as are applicable to the contractor. Failure of the contractor to comply with this requirement or to obtain the compliance of its subcontractors with all such obligations shall subject the contractor to the imposition of any and all sanctions allowed by law, including but not limited to termination of the contractor's contract with the City.

EXHIBIT D

(1) SMALL/VERY SMALL BUSINESS ENTERPRISE PROGRAM

(2) LOCAL BUSINESS PREFERENCE PROGRAM

(1) SMALL/VERY SMALL BUSINESS ENTERPRISE PROGRAM:

The Harbor Department is committed to creating an environment that provides all individuals and businesses open access to the business opportunities available at the Harbor Department in a manner that reflects the diversity of the City of Los Angeles. The Harbor Department's Small Business Enterprise (SBE) Program was created to provide additional opportunities for small businesses to participate in professional service and construction contracts. An overall Department goal of 25% SBE participation, including 5% Very Small Business Enterprise (VSBE) participation, has been established for the Program. The specific goal or requirement for each contract opportunity may be higher or lower based on the scope of work.

It is the policy of the Harbor Department to solicit participation in the performance of all service contracts by all individuals and businesses, including, but not limited to, SBEs, VSBEs, women-owned business enterprises (WBEs), minority-owned business enterprises (MBEs), and disabled veteran business enterprises (DVBES). The SBE Program allows the Harbor Department to target small business participation, including MBEs, WBEs, and DVBES, more effectively. It is the intent of the Harbor Department to make it easier for small businesses to participate in contracts by providing education and assistance on how to do business with the City, and ensuring that payments to small businesses are processed in a timely manner. **In order to ensure the highest participation of SBE/VSBE/MBE/WBE/DVBES, all proposers shall utilize the City's contracts management and opportunities database, the Los Angeles Business Assistance Virtual Network (LABAVN), at <http://www.labavn.org>, to outreach to potential subconsultants.**

The Harbor Department defines a SBE as an independently owned and operated business that is not dominant in its field and meets criteria set forth by the Small Business Administration in Title 13, Code of Federal Regulations, Part 121. Go to www.sba.gov for more information. The Harbor Department defines a VSBE based on the State of California's Micro-business definition which is 1) a small business that has average annual gross receipts of \$3,500,000 or less within the previous three years, or (2) a small business manufacturer with 25 or fewer employees.

The SBE Program is a results-oriented program, requiring consultants who receive contracts from the Harbor Department to perform outreach and utilize certified small businesses. **Based on the work to be performed, it has been determined that the percentage of small business participation will be 0%.**

Consultant shall be responsible for determining the SBE status of its subconsultants for purposes of meeting the small business requirement. Subconsultants must qualify as an SBE based on the type of services that they will be performing under the Agreement. All business participation will be determined by the percentage of the total amount of compensation under the agreement paid to SBEs. The Consultant shall not substitute an SBE firm without obtaining prior approval of the City. A request for substitution must be based upon demonstrated good cause. If substitution is permitted, Consultant shall endeavor to make an in-kind substitution for the substituted SBE.

Consultant shall complete, sign, and submit as part of the executed agreement the attached

Affidavit and Consultant Description Form. The Affidavit and Consultant Description Form, when signed, will signify the Consultant's intent to comply with the SBE requirement. All SBE/VSBE firms must be certified by the time proposals are due to receive credit. In addition all consultants and subconsultants must be registered on the LABAVN by the time proposals are due.

(2) LOCAL BUSINESS PREFERENCE PROGRAM:

The Harbor Department is committed to maximizing opportunities for local and regional businesses, as well as encouraging local and regional businesses to locate and operate within the Southern California region. It is the policy of the Harbor Department to support an increase in local and regional jobs. The Harbor Department's Local Business Preference Program (LBPP) aims to benefit the Southern California region by increasing jobs and expenditures within the local and regional private sector.

Consultants who qualify as a Local Business Enterprise (LBE) will receive an 8% preference on any proposal for services valued in excess of \$150,000. The preference will be applied by adding 8% of the total possible evaluation points to the Consultant's score. Consultants who do not qualify as a LBE may receive a maximum 5% preference for identifying and utilizing LBE subconsultants. Consultants may receive 1% preference, up to a maximum of 5%, for every 10% of or portion thereof, of work that is subcontracted to a LBE. LBE subconsultant preferences will be determined by the percentage of the total amount of compensation proposed under the Agreement.

The Harbor Department defines a LBE as:

- (a) A business headquartered within Los Angeles, Orange, Riverside, San Bernardino, or Ventura Counties. Headquartered shall mean that the business physically conducts and manages all of its operations from a location in the above-named counties; or
- (b) A business that has at least 50 full-time employees, or 25 full-time employees for specialty marine contracting firms, working in Los Angeles, Orange, Riverside, San Bernardino, or Ventura Counties.

In order for Harbor Department staff to determine the appropriate LBE preference, Consultant shall complete, sign, notarize (where applicable) and submit the attached Affidavit and Consultant Description Form. The Affidavit and Consultant Description Form will signify the LBE status of the Consultant and subconsultants.

In the event of Consultant's noncompliance during the performance of the Agreement, Consultant shall be considered in material breach of contract. In addition to any other remedy available to City under this Agreement or by operation of law, the City may withhold invoice payments to Consultant until noncompliance is corrected, and assess the costs of City's audit of books and records of Consultant and its subconsultants. In the event the Consultant falsifies or misrepresents information contained in any form or other willful noncompliance as determined by City, City may disqualify the Consultant from participation in City contracts for a period of up to five (5) years.

AFFIDAVIT OF COMPANY STATUS

"The undersigned declares under penalty of perjury pursuant to the laws of the State of California that the following information and information contained on the attached Consultant Description Form is true and correct and includes all material information necessary to identify and explain the operations of

WEST BASIN CONTAINER TERMINAL LLC.

Name of Firm

as well as the ownership and location thereof. Further, the undersigned agrees to provide complete and accurate information regarding ownership in the named firm, and all of its domestic and foreign affiliates, any proposed changes of the ownership and to permit the audit and examination of firm ownership documents, and the ownership documents of all of its domestic and foreign affiliates, in association with this agreement."

(1) Small/Very Small Business Enterprise Program: Please indicate the ownership of your company. Please check all that apply. At least one box must be checked:

SBE VSBE MBE WBE DVBE OBE

- A Small Business Enterprise (SBE) is an independently owned and operated business that is not dominant in its field and meets criteria set forth by the Small Business Administration in Title 13, Code of Federal Regulations, Part 121.
- A Very Small Business Enterprise (VSBE) is 1) a small business that has average annual gross receipts of \$3,500,000 or less within the previous three years, or (2) a small business manufacturer with 25 or fewer employees.
- A Minority Business Enterprise (MBE) is defined as a business in which a minority owns and controls at least 51% of the business. A Woman Business (WBE) is defined as a business in which a woman owns and controls at least 51% of the business. For the purpose of this project, a minority includes:
 - (1) Black (all persons having origins in any of the Black African racial groups not of Hispanic origin);
 - (2) Hispanic (all persons of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish Culture or origin, regardless of race);
 - (3) Asian and Pacific Islander (all persons having origins in any of the original peoples of the Far

East, Southeast Asia, The Indian Subcontinent, or the Pacific Islands); and

(4) American Indian or Alaskan Native (all persons having origins in any of the original peoples of North America and maintaining identifiable tribal affiliations through membership and participation or community identification).

- A Disabled Veteran Business Enterprise (DVBE) is defined as a business in which a disabled veteran owns at least 51% of the business, and the daily business operations are managed and controlled by one or more disabled veterans.
- An OBE (Other Business Enterprise) is any enterprise that is neither an SBE, VSBE, MBE, WBE, or DVBE.

(2) Local Business Preference Program: Please indicate the Local Business Enterprise status of your company. Only one box must be checked:

LBE Non-LBE

- A Local Business Enterprise (LBE) is: (a) a business headquartered within Los Angeles, Orange, Riverside, San Bernardino, or Ventura Counties; or (b) a business that has at least 50 full-time employees, or 25 full-time employees for specialty marine contracting firms, working in Los Angeles, Orange, Riverside, San Bernardino, or Ventura Counties. "Headquartered" shall mean that the business physically conducts and manages all of its operations from a location in the above-named counties.
- A Non-LBE is any business that does not meet the definition of a LBE.

Signature: 
Title: General Manager

Printed Name: QUESTIA YANE
Date Signed: 1/2/2020

AFFIDAVIT OF COMPANY STATUS

"The undersigned declares under penalty of perjury pursuant to the laws of the State of California that the following information and information contained on the attached Consultant Description Form is true and correct and includes all material information necessary to identify and explain the operations of

Wireless Advanced Vehicle Electrification, Inc.

Name of Firm

as well as the ownership and location thereof. Further, the undersigned agrees to provide complete and accurate information regarding ownership in the named firm, and all of its domestic and foreign affiliates, any proposed changes of the ownership and to permit the audit and examination of firm ownership documents, and the ownership documents of all of its domestic and foreign affiliates, in association with this agreement."

(1) **Small/Very Small Business Enterprise Program:** Please indicate the ownership of your company. Please check all that apply. At least one box must be checked:

SBE VSBE MBE WBE DVBE OBE

- A Small Business Enterprise (SBE) is an independently owned and operated business that is not dominant in its field and meets criteria set forth by the Small Business Administration in Title 13, Code of Federal Regulations, Part 121.
- A Very Small Business Enterprise (VSBE) is 1) a small business that has average annual gross receipts of \$3,500,000 or less within the previous three years, or (2) a small business manufacturer with 25 or fewer employees.
- A Minority Business Enterprise (MBE) is defined as a business in which a minority owns and controls at least 51% of the business. A Woman Business (WBE) is defined as a business in which a woman owns and controls at least 51% of the business. For the purpose of this project, a minority includes:
 - (1) Black (all persons having origins in any of the Black African racial groups not of Hispanic origin);
 - (2) Hispanic (all persons of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish Culture or origin, regardless of race);
 - (3) Asian and Pacific Islander (all persons having origins in any of the original peoples of the Far

East, Southeast Asia, The Indian Subcontinent, or the Pacific Islands); and

(4) American Indian or Alaskan Native (all persons having origins in any of the original peoples of North America and maintaining identifiable tribal affiliations through membership and participation or community identification).

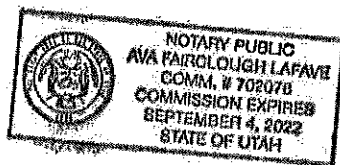
- A Disabled Veteran Business Enterprise (DVBE) is defined as a business in which a disabled veteran owns at least 51% of the business, and the daily business operations are managed and controlled by one or more disabled veterans.
- An OBE (Other Business Enterprise) is any enterprise that is neither an SBE, VSBE, MBE, WBE, or DVBE.

(2) **Local Business Preference Program:** Please indicate the Local Business Enterprise status of your company. Only one box must be checked:

LBE Non-LBE

- A Local Business Enterprise (LBE) is: (a) a business headquartered within Los Angeles, Orange, Riverside, San Bernardino, or Ventura Counties; or (b) a business that has at least 50 full-time employees, or 25 full-time employees for specialty marine contracting firms, working in Los Angeles, Orange, Riverside, San Bernardino, or Ventura Counties. "Headquartered" shall mean that the business physically conducts and manages all of its operations from a location in the above-named counties.
- A Non-LBE is any business that does not meet the definition of a LBE.

Signature: *Michael P. Masquelier*
Title: Chief Executive Officer
Printed Name: Michael P. Masquelier
Date Signed: 12/18/2019



Consultant Description Form

PRIME CONSULTANT:

Agreement between the City of Los Angeles, West Basin
Contract Title: Container Terminal LLC and Wireless Vehicle Electrification, Inc.
Business Name: Wireless Advanced Vehicle Electrification LABAVN ID#: _____
Award Total: \$ 3,045,320
Owner's Ethnicity: Caucasian Gender M Group: SBE VSBE MBE WBE DVBE **OBE** (Circle all that apply)
Local Business Enterprise: YES _____ NO X (Check only one)
Primary NAICS Code: 335311 Average Three Year Gross Revenue: \$ 4M
Address: 4752 W. California Ave, Suite B-400
City/State/Zip: Salt Lake City, UT 84104
County: Salt Lake
Telephone: (801) 935-8650 FAX: () _____
Contact Person/Title: Michael Masqueller, CEO
Email Address: michael@waveipt.com

SUBCONSULTANT:

Business Name: _____ LABAVN ID#: _____
Award Total: (% or \$): _____
Services to be provided: _____
Owner's Ethnicity: _____ Gender _____ Group: SBE VSBE MBE WBE DVBE **OBE** (Circle all that apply)
Local Business Enterprise: YES _____ NO _____ (Check only one)
Primary NAICS Code: _____ Average Three Year Gross Revenue: \$ _____
Address: _____
City/State/Zip: _____
County: _____
Telephone: () _____ FAX: () _____
Contact Person/Title: _____
Email Address: _____

SUBCONSULTANT:

Business Name: _____ LABAVN ID#: _____
Award Total: (% or \$): _____
Services to be provided: _____
Owner's Ethnicity: _____ Gender _____ Group: SBE VSBE MBE WBE DVBE **OBE** (Circle all that apply)
Local Business Enterprise: YES _____ NO _____ (Check only one)
Primary NAICS Code: _____ Average Three Year Gross Revenue: \$ _____

Address: _____

City/State/Zip: _____

County: _____

Telephone: () _____ FAX: () _____

Contact Person/Title: _____

Email address: _____

EXHIBIT E

Sec. 10.8.2.1. Equal Benefits Ordinance.

Discrimination in the provision of employee benefits between employees with domestic partners and employees with spouses results in unequal pay for equal work. Los Angeles law prohibits entities doing business with the City from discriminating in employment practices based on marital status and/or sexual orientation. The City's departments and contracting agents are required to place in all City contracts a provision that the company choosing to do business with the City agrees to comply with the City's nondiscrimination laws.

It is the City's intent, through the contracting practices outlined in this Ordinance, to assure that those companies wanting to do business with the City will equalize the total compensation between similarly situated employees with spouses and with domestic partners. The provisions of this Ordinance are designed to ensure that the City's contractors will maintain a competitive advantage in recruiting and retaining capable employees, thereby improving the quality of the goods and services the City and its people receive, and ensuring protection of the City's property.

(c) Equal Benefits Requirements.

(1) No Awarding Authority of the City shall execute or amend any Contract with any Contractor that discriminates in the provision of Benefits between employees with spouses and employees with Domestic Partners, between spouses of employees and Domestic Partners of employees, and between dependents and family members of spouses and dependents and family members of Domestic Partners.

(2) A Contractor must permit access to, and upon request, must provide certified copies of all of its records pertaining to its Benefits policies and its employment policies and practices to the DAA, for the purpose of investigation or to ascertain compliance with the Equal Benefits Ordinance.

(3) A Contractor must post a copy of the following statement in conspicuous places at its place of business available to employees and applicants for employment: "During the performance of a Contract with the City of Los Angeles, the Contractor will provide equal benefits to its employees with spouses and its employees with domestic partners." The posted statement must also include a City contact telephone number which will be provided each Contractor when the Contract is executed.

(4) A Contractor must not set up or use its contracting entity for the purpose of evading the requirements imposed by the Equal Benefits Ordinance.

(d) Other Options for Compliance. Provided that the Contractor does not discriminate in the provision of Benefits, a Contractor may also comply with the Equal Benefits Ordinance in the following ways:

(1) A Contractor may provide an employee with the Cash Equivalent only if the DAA determines that either:

a. The Contractor has made a reasonable, yet unsuccessful effort to provide Equal Benefits; or

b. Under the circumstances, it would be unreasonable to require the Contractor to provide Benefits to the Domestic Partner (or spouse, if applicable).

(2) Allow each employee to designate a legally domiciled member of the employee's household as being eligible for spousal equivalent Benefits.

(3) Provide Benefits neither to employees' spouses nor to employees' Domestic Partners.

(e) Applicability.

(1) Unless otherwise exempt, a Contractor is subject to and shall comply with all applicable provisions of the Equal Benefits Ordinance.

(2) The requirements of the Equal Benefits Ordinance shall apply to a Contractor's operations as follows:

a. A Contractor's operations located within the City limits, regardless of whether there are employees at those locations performing work on the Contract.

b. A Contractor's operations on real property located outside of the City limits if the property is owned by the City or the City has a right to occupy the property, and if the Contractor's presence at or on that property is connected to a Contract with the City.

c. The Contractor's employees located elsewhere in the United States but outside of the City limits if those employees are performing work on the City Contract.

(3) The requirements of the Equal Benefits Ordinance do not apply to collective bargaining agreements ("CBA") in effect prior to January 1, 2000. The Contractor must agree to propose to its union that the requirements of the Equal Benefits Ordinance be incorporated into its CBA upon amendment, extension, or other modification of a CBA occurring after January 1, 2000.

(f) **Mandatory Contract Provisions Pertaining to Equal Benefits.** Unless otherwise exempted, every Contract shall contain language that obligates the Contractor to comply with the applicable provisions of the Equal Benefits Ordinance. The language shall include provisions for the following:

(1) During the performance of the Contract, the Contractor certifies and represents that the Contractor will comply with the Equal Benefits Ordinance.

(2) The failure of the Contractor to comply with the Equal Benefits Ordinance will be deemed to be a material breach of the Contract by the Awarding Authority.

(3) If the Contractor fails to comply with the Equal Benefits Ordinance the Awarding Authority may cancel, terminate or suspend the Contract, in whole or in part, and all monies due or to become due under the Contract may be retained by the City. The City may also pursue any and all other remedies at law or in equity for any breach.

(4) Failure to comply with the Equal Benefits Ordinance may be used as evidence against the Contractor in actions taken pursuant to the provisions of Los Angeles Administrative Code Section 10.40, et seq., Contractor Responsibility Ordinance.

(5) If the DAA determines that a Contractor has set up or used its Contracting entity for the purpose of evading the intent of the Equal Benefits Ordinance, the Awarding Authority may terminate the Contract on behalf of the City. Violation of this provision may be used as evidence against the Contractor in actions taken pursuant to the provisions of Los Angeles Administrative Code Section 10.40, et seq., Contractor Responsibility Ordinance.

Exhibit A-1

Harbor Department Agreement No. 20-3723

First Amendment

CITY OF LOS ANGELES

HARBOR DEPARTMENT

AGREEMENT NO. 23-3723-A

**FIRST AMENDMENT TO AGREEMENT NO. 20-3723
BETWEEN THE CITY OF LOS ANGELES
WEST BASIN CONTAINER TERMINAL LLC AND
WIRELESS ADVANCED VEHICLE ELECTRIFICATION, LLC**

THIS FIRST AMENDMENT to Agreement No. 20-3723 is made and entered into by and between the CITY OF LOS ANGELES, a municipal corporation ("City"), acting by and through its Board of Harbor Commissioners ("Board"), WEST BASIN CONTAINER TERMINAL LLC and WIRELESS ADVANCED VEHICLE ELECTRIFICATION, LLC as follows:

1. Section III EFFECTIVE DATE AND TERM OF AGREEMENT, Subsection (B) (1) is amended to read:

"1. June 30, 2025; or"

2. The First Amendment to the California Energy Commission Agreement ARV-17-049 is attached hereto and made a part of this Agreement, which shall replace and add to the exhibits of this Agreement as set forth in that First Amendment.

3. The Second Amendment to the California Energy Commission Agreement ARV-17-049 is attached hereto and made a part of this Agreement, which shall replace the exhibits of this Agreement as set forth in that Second Amendment.

4. Section IV REIMBURSEMENT AND PAYMENT, Subsection B is amended to read:

"B. The maximum amount to be reimbursed to WAVE pursuant to this Agreement and the Grant Agreement shall be Two Million Eight Hundred Forty-three Thousand Four Hundred Twenty Dollars (\$2,843,420).

5. The name of Subrecipient Wireless Advanced Vehicle Electrification, Inc. is hereby changed to "Wireless Advanced Vehicle Electrification, LLC" due to dissolution of Wireless Advanced Vehicle Electrification, Inc. and the incorporation in the State of Delaware of Wireless Advanced Vehicle Electrification, LLC in December, 2020 and by signing this First Amendment Wireless Advanced Vehicle Electrification, LLC agrees to assume all terms and conditions of Agreement No. 20-3723.

Except as amended herein, all remaining terms and conditions of Agreement No. 20-3723 shall remain in full force and effect.

The effective date of this Amendment shall be March 23, 2023, upon execution by the Executive Director after authorization of the Board and approval by City Council as required by Charter Section 373 and Administrative Code Section 10.5.

IN WITNESS THEREOF, the parties hereto have executed this First Amendment to Agreement No. 20-3723 on the date to the left of their signatures.

Dated: 16/13/23

THE CITY OF LOS ANGELES, by its Board of Harbor Commissioners

By [Signature]
EUGENE D. SEROKA
Executive Director

Attest [Signature]
AMBER M. KLESGES
Board Secretary

Dated: 3-16-23

WEST BASIN CONTAINER TERMINAL LLC

By [Signature]
QUENTIN YANG VICE PRESIDENT - WBLT
(Print/type name and title)

Attest [Signature]
Matt Scutell General Manager
(Print/type name and title)

WIRELESS ADVANCED VEHICLE
ELECTRIFICATION, LLC

Dated: _____

By _____
(Print/type name and title)

Attest _____
(Print/type name and title)

APPROVED AS TO FORM AND LEGALITY

March 23, 2023
HYDEE FELDSTEIN SOTO, City Attorney
Steven Y. Otera, General Counsel

By [Signature]
Heather M. McCloskey, Deputy

IN WITNESS THEREOF, the parties hereto have executed this First Amendment to Agreement No. 20-3723 on the date to the left of their signatures.

THE CITY OF LOS ANGELES, by its Board of Harbor Commissioners

Dated: _____

By _____
EUGENE D. SEROKA
Executive Director

Attest _____
AMBER M. KLESGES
Board Secretary

WEST BASIN CONTAINER TERMINAL LLC

Dated: _____

By _____

(Print/type name and title)

Attest _____

(Print/type name and title)

WIRELESS ADVANCED VEHICLE
ELECTRIFICATION, LLC

Dated: 03/16/2023

DocuSigned by:
Scott W. Morrison
By _____
Scott W. Morrison CFO, WAVE LLC

(Print/type name and title)

DocuSigned by:
Vincent Pellechia
Attest _____
Vincent Pellechia VP of Commercial Dev.

(Print/type name and title)

APPROVED AS TO FORM AND LEGALITY

_____, 2023
HYDEE FELDSTEIN SOTO, City Attorney
Steven Y. Otera, General Counsel

By _____
Heather M. McCloskey, Deputy

CEC Agreement ARV-17-049

First Amendment

STATE OF CALIFORNIA
GRANT/LOAN AMENDMENT
CEC-140 (Revised 9/11)

CALIFORNIA ENERGY COMMISSION



Check here if additional pages are attached. 35 Pages

AGREEMENT NUMBER: ARV-17-049	AMENDMENT NUMBER: 01
--	--------------------------------

1. This Agreement is entered into between the State Agency and the Recipient named below:

STATE AGENCY'S NAME

State Energy Resources Conservation and Development Commission

RECIPIENT'S NAME

City of Los Angeles Harbor Department

2. The term of this Agreement: From: **06/15/2018** To: **03/31/2024**

3. The maximum amount of this Agreement after this amendment is: **\$ 7,842,270 (\$0 Amendment)**

4. The parties mutually agree to this amendment as follows. All actions noted below are by this reference made a part of the Agreement and incorporated herein:

The purpose of this amendment is a 24-month term extension, to add Special Terms and Conditions, to reallocate the budgets and to update the Scope of Work's Task 2 and the Schedule of Products. Agreement ARV-17-049, approved by the Energy Commission on August 21, 2019 is amended as follows:

Exhibit A – Scope of Work is attached hereto and replaces the previously approved Exhibit A – Scope of Work in its entirety

Exhibit A-1 – Schedule of Products and Due Dates is attached hereto and replaces the previously approved Exhibit A-1 – Schedule of Products and Due Dates in its entirety.

Exhibit B – Budget is attached hereto and replaces the previously approved Exhibit B – Budget in its entirety.

Exhibit B – Sub Budget – Wireless Advanced Vehicle Electrification, LLC is attached hereto and replaces the previously approved Exhibit B – Sub Budget – Wireless Advanced Vehicle Electrification, LLC in its entirety.

Exhibit C-1 – Special Terms and Conditions is added to the agreement

APPROVED AS TO FORM AND LEGALITY

[Signature]
MICHAEL N. FEUER, City Attorney

By *[Signature]* Assistant City Attorney

RECIPIENT

RECIPIENT'S NAME (If other than an individual, state whether a corporation, partnership, etc)

BY (Authorized Signature)

DATE SIGNED (Do not type)

[Signature]
NAME AND TITLE OF PERSON SIGNING

ADDRESS
**425 S. Palos Verdes Street
San Pedro, CA 90731**

STATE OF CALIFORNIA

AGENCY NAME

State Energy Resources Conservation and Development Commission

BY (Authorized Signature)

DATE SIGNED (Do not type)

[Signature]
NAME AND TITLE OF PERSON SIGNING

Adrienne Winuk, Contracts, Grants, and Loans Office Manager

ADDRESS
**1516 Ninth Street, MS-18
Sacramento, CA 95814-5512**

TRANSMITTAL 1

Exhibit A SCOPE OF WORK

TECHNICAL TASK LIST

Task #	CPR	Task Name
1		Administration
2	X	Design and Development
3	X	Build, Install and Commission
4		Demonstration, Data Collection and Analysis

Task #	Key Personnel	Key Subcontractor(s)	Key Partner(s)
1	Jacob Goldberg, <u>City of Los Angeles Harbor Department (Port of Los Angeles, or POLA) (POLA)</u>		
2	Jacob Goldberg (POLA); <u>Dac Hoang (POLA)</u> ; Shaouki Aboulhosn (POLA)	WBCT <u>Wireless Advanced Vehicle Electrification, LLC (WAVE)</u> BYD	<u>West Basin Container Terminal, LLC (WBCT)</u>
3	Jacob Goldberg (POLA) Shaouki Aboulhosn (POLA)	WBCT WAVE BYD	<u>WBCT</u>
4	Jacob Goldberg (POLA) Shaouki Aboulhosn (POLA)	WBCT WAVE BYD	<u>South Coast Air Quality Management District (SCAQMD)</u> ; <u>BYD Motors, LLC</u> ; <u>WBCT</u>

GLOSSARY

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

Term/ Acronym	Definition
AID	Zero Emission Freight Vehicle Advanced Infrastructure Demonstration (AID)
ARFVTP	Alternative and Renewable Fuel and Vehicle Technology Program
BESS	<u>Battery Energy Storage System</u>

Term/ Acronym	Definition
BOM	Bill of Materials
CAM	Commission Agreement Manager
CAO	<u>Contract Agreement Officer</u>
CO ₂	Carbon Dioxide
CPR	Critical Project Review
CHE	Cargo handling equipment
DAC	Disadvantaged Communities
EV	Electric Vehicle
FTD	Fuels and Transportation Division
GHG	<u>Greenhouse Gas</u>
MHD	Medium- and Heavy-Duty
NO _x	Oxides of Nitrogen
POLA	Port of Los Angeles
Recipient	<u>POLA City of Los Angeles Harbor Department (Port of Los Angeles)</u>
WAVE	<u>Wireless Advanced Vehicle Electrification, LLC</u>
WBCT	West Basin Container Terminal

BACKGROUND

Assembly Bill (AB) 118 (Núñez, Chapter 750, Statutes of 2007), created the Alternative and Renewable Fuel and Vehicle Technology Program (ARFVTP). The statute authorizes the California Energy Commission (Energy Commission) to develop and deploy alternative and renewable fuels and advanced transportation technologies to help attain the state's climate change policies. AB 8 (Perea, Chapter 401, Statutes of 2013) re-authorizes the ARFVTP through January 1, 2024, and specifies that the Energy Commission allocate up to \$20 million per year (or up to 20 percent of each fiscal year's funds) in funding for hydrogen station development until at least 100 stations are operational. The ARFVTP has an annual budget of approximately \$100 million and provides financial support for projects that:

- Reduce California's use and dependence on petroleum transportation fuels and increase the use of alternative and renewable fuels and advanced vehicle technologies.
- Produce sustainable alternative and renewable low-carbon fuels in California.
- Expand alternative fueling infrastructure and fueling stations.
- Improve the efficiency, performance and market viability of alternative light-, medium-, and heavy-duty vehicle technologies.

- Retrofit medium- and heavy-duty on-road and non-road vehicle fleets to alternative technologies or fuel use.
- Expand the alternative fueling infrastructure available to existing fleets, public transit, and transportation corridors.
- Establish workforce training programs and conduct public outreach on the benefits of alternative transportation fuels and vehicle technologies.

The Energy Commission issued GFO-17-603 entitled "Advanced Freight Vehicle Infrastructure Deployment" under the ARFVT Program on December 19, 2017. This competitive grant solicitation was an offer to fund projects that will support infrastructure deployment for Advanced Freight Vehicles. To be eligible for funding under GFO-17-603, the projects must also be consistent with the Energy Commission's ARFVTP Investment Plan updated annually. In response to GFO-17-603, the Recipient submitted application #3 which was proposed for funding in the Energy Commission's Notice of Proposed Awards on April 5, 2018. GFO-17-603 is hereby incorporated by reference into this Agreement in its 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 Energy Commission's Award, the Energy Commission'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:

The principal problem addressed by the proposed project is the significant emission of greenhouse gas (GHG) and criteria air pollutants associated with cargo handling equipment (CHE) at the Port of Los Angeles (POLA). POLA is committed to ambitious goals that were adopted together with the Port of Long Beach under the 2017 Clean Air Action Plan, including the replacement of diesel-powered CHE with zero-emission alternatives no later than 2030. The adoption of these technologies will require major infrastructure installations to support their operations, and terminal operators will be weighing all potential options to find the most efficient and cost-effective system to power their equipment. This project is a critical and informative step towards transitioning the ports to zero emission equipment, and importantly, reducing criteria pollutants and greenhouse gases in our shared air basin, while accommodating an increasing volume of goods moving through the Port. Local communities are negatively affected by air quality impacts of conventional propulsion systems. The Port equipment operates adjacent to disadvantaged communities (DACs) that experience a majority of the adverse environmental impacts from port operations. A secondary problem

addressed by this project is the large amount of petroleum fuel consumption required to operate port equipment.

Goals of the Agreement:

The goals of this agreement are to enhance market acceptance of advanced vehicle yard tractor applications that will reduce greenhouse gas emissions, reduce petroleum use, improve energy cost savings, improve air quality, and benefit DACs.

Objectives of the Agreement:

The objectives of this Agreement are to:

- Design and install Wireless Advanced Vehicle Electrification (WAVE) inductive charging infrastructure, including ten base chargers and two opportunity chargers, to support the demonstration of 10 battery electric yard tractors at the Port of Los Angeles.
- Design and install a peak shaving Battery Energy Storage System (BESS).
- Displace petroleum fuel, reduce GHG emissions, and support jobs in the port area and in disadvantaged communities.

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 Energy Commission 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.
- Discuss the following administrative and technical aspects of this Agreement:
 - Agreement Terms and Conditions
 - Critical Project Review (Task 1.2)
 - Match fund documentation (Task 1.6) No reimbursable work may be done until this documentation is in place.
 - Permit documentation (Task 1.7)
 - Subcontracts needed to carry out project (Task 1.8)
 - The CAM's expectations for accomplishing tasks described in the Scope of Work

- An updated Schedule of Products and Due Dates
- Monthly Progress Reports (Task 1.4)
- Technical Products (Product Guidelines located in Section 5 of the Terms and Conditions)
- Final Report (Task 1.5)

Recipient Products:

- Updated Schedule of Products
- Updated List of Match Funds
- Updated List of Permits

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 Energy Commission and the Recipient. The goal of this task is to determine if the project should continue to receive Energy Commission 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 Energy Commission staff and Management as well as other individuals selected by the CAM to provide support to the Energy Commission.

The CAM shall:

- Determine the location, date, and time of each CPR meeting with the Recipient. These meetings generally take place at the Energy Commission, but they may take place at another location.
- 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 Energy Commission 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, the CAO, 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 and the CAO about the following Agreement closeout items:

- What to do with any equipment purchased with Energy Commission funds (Options)

- Energy Commission's 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 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 Monthly 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. Each progress report is due to the Commission Agreement Manager within 10 days of the end of the reporting period. The recommended specifications for each progress report are contained in Section 6 of the Terms and Conditions of this Agreement.
- In the first Monthly Progress Report and first invoice, document and verify match expenditures and provide a synopsis of project progress, if match funds have been expended or if work funded with match share has occurred after the notice of proposed award but before execution of the grant agreement. If no match funds have been expended or if no work funded with match share has occurred before execution, then state this in the report. All pre-execution match expenditures must conform to the requirements in the Terms and Conditions of this Agreement.

Product:

- Monthly Progress Reports

Task 1.5 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 Energy Commission 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.

The Recipient shall:

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

Products:

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

Task 1.6 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 Energy Commission budget for this task will be zero dollars, the Recipient may utilize match funds for this task. Match funds shall be spent concurrently or in advance of Energy Commission funds for each task during the term of this Agreement. 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 Energy Commission 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 Energy Commission 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 1.7 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 Energy Commission budget for this task will be zero dollars, the Recipient shall 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 1.8 Obtain and Execute Subcontracts

The goal of this task is to ensure quality products and to procure subcontractors 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. It will also provide the Energy Commission an opportunity to review the subcontracts to ensure that the tasks are consistent with this Agreement, and that the budgeted expenditures are reasonable and consistent with applicable cost principles.

The Recipient shall:

- Manage and coordinate subcontractor activities.
- Submit a draft of each subcontract required to conduct the work under this Agreement to the CAM for review.
- Submit a final copy of the executed subcontract.
- If Recipient decides to add new subcontractors, then the Recipient shall notify the CAM.

Products:

- Letter describing the subcontracts needed, or stating that no subcontracts are required
- Draft subcontracts
- Final subcontracts

TECHNICAL TASKS

TASK 2 DESIGN AND DEVELOPMENT

The goal of this task is to conduct preliminary design work that will prepare for the installation of WAVE advanced inductive charging infrastructure and battery storage for demonstration at the Port of Los Angeles' West Basin Container Terminal (WBCT).

The Recipient shall:

- Review available power specifications and functional requirements.
- Finalize engineering ~~bill of materials (BOM)~~ equipment list and order components for the WAVE prototype and systems.
- Execute a ~~Battery Energy Storage System~~ BESS Technical Agreement that outlines specifications for the battery storage system
- Design, fabricate, and build components, systems, and subsystems.
- ~~Prepare and provide an Invitation for Bid for an installation contractor, which includes design calculations, drawings, plans and specifications to advertise the project for procurement of materials, equipment and required labor for construction to support installation of the charging systems.~~

Prepare and provide design calculations, drawings, plans and specifications for procurement of materials, equipment, and required labor for construction to support installation of the charging systems.

- ~~Select construction contractor and finalize scope of work.~~
- Conduct tests, certifications, quality checks, and validations for WAVE and BYD components, prototype, systems, subsystems, and safety elements, as applicable, and summarize results in a System Test Report

Products:

- Final Equipment List
- ~~Invitation for Bid~~
- Executed ~~Battery Energy Storage System~~ BESS Technical Agreement
- WAVE System Test Report
- Copy of Approved Infrastructure Designs

[CPR WILL BE HELD IN TASK 23. See Task 1.2 for details]

TASK 3 BUILD, INSTALL AND COMMISSION

The goal of this task is to install infrastructure for twelve charging stations, including ten base chargers and two opportunity chargers, to power ten battery-electric yard tractors for demonstration at the ~~Port of Los Angeles' West Basin Container Terminal~~ WBCT.

The Recipient shall:

- Complete construction and install the charging equipment and ~~battery energy storage system~~ BESS.
- Conduct safety and operational testing of the charging equipment and ~~battery energy storage system~~ peak shaving BESS for final commissioning.
- Accept delivery of ten battery-electric yard tractors to be placed into demonstration service.
- Prepare a Task 3 Summary Report containing photos of installed charging equipment, ~~battery energy storage system~~ BESS, and deployed yard tractors, and include results of safety and operational testing for system commissioning.

Products:

- Task 3 Summary Report with Photographs

[CPR WILL BE HELD IN TASK 3. See Task 1.2 for details]

Task 4 DEMONSTRATION, DATA COLLECTION, AND ANALYSIS

The goal of this task is to collect operational data from the project, to analyze that data for economic and environmental impacts, and to include the data and analysis in the Final Report.

The Recipient shall:

- Develop Data Collection Test Plan.
- Troubleshoot any issues identified.
- Collect 12 months of usage and operations data from the project including, but not limited to:
 - Maximum capacity of each of the new charging systems
 - Gallons of diesel fuel displaced (with associated hours of operation)
 - Expected air emissions reductions including but not limited to:
 - Oxides of nitrogen
 - Particulate Matter
 - Duty cycle of the current fleet and the expected duty cycle of future vehicle acquisitions
 - Specific jobs and economic development resulting from this project
- Identify any current and planned use of renewable energy at the facility.
- Identify the source of the alternative renewable energy.
- 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 project performance and expectations provided in the proposal to Energy Commission with actual project performance and accomplishments.
- Collect data, information, and analysis described above and include in the Final Report.

Products:

- Data Collection Test Plan
- Data collection information and analysis will be included in the Final Report

Exhibit A-1

Schedule of Products and Due Dates

Agreement Term: 6/15/2018 - 03/31/2024

Task Number	Task Name	Product(s)	Due Date
1.1	Attend Kick-off Meeting	Updated Schedule of Products	9/19/2019
		Updated List of Match Funds	9/19/2019
		Updated List of Permits	9/19/2019
		Kick-Off Meeting Agenda (CEC)	9/19/2019
1.2	Critical Project Review Meetings	1st CPR Meeting CPR Report	3/31/2021
		Written determination (CEC)	4/7/2021
		2nd CPR Meeting CPR Report	8/19/2022
		Written determination (CEC)	9/2/2022
1.3	Final Meeting	Written documentation of meeting agreements	3/15/2024
		Schedule for completing closeout activities	3/15/2024
1.4	Monthly Progress Reports	Monthly Progress Reports	The 10th calendar day of each month during the approved term of this Agreement
1.5	Final Report	Final Outline of the Final Report	9/15/2023
		Draft Final Report (no less than 60 days before the end term of the agreement)	12/15/2023
		Final Report	2/16/2024
1.6	Identify and Obtain Match Funds	A letter regarding match funds or stating that no match funds are provided	1/31/2019
		Copy(ies) of each match fund commitment letter(s) (if applicable)	1/31/2019
		Letter(s) for new match funds (if applicable)	Within 10 days of identifying new match funds
		Letter that match funds were reduced (if applicable)	Within 10 days of identifying reduced funds
1.7	Identify and Obtain Required Permits	Letter documenting the permits or stating that no permits are required	1/31/2019
		A copy of each approved permit (if applicable)	Within 10 days of receiving each permit
		Updated list of permits as they change during the term of the Agreement (if applicable)	Within 10 days of change in list of permits
		Updated schedule for acquiring permits as changes occur during the term of the Agreement (if applicable)	Within 10 days of change in schedule for obtaining permits

Exhibit A-1

Schedule of Products and Due Dates

Agreement Term: 6/15/2018 - 03/31/2024

Task Number	Task Name	Product(s)	Due Date
1.8	Obtain and Execute Subcontracts	Letter describing the subcontracts needed, or stating that no subcontracts are required	12/31/2019
		Draft subcontracts	15 days prior to the scheduled execution date
		Final subcontracts	Within 10 days of execution
2	DESIGN AND DEVELOPMENT	Final equipment list	6/30/2022
		Executed BESS technical agreement	6/30/2022
		WAVE System Test Report	4/1/2022
		Copy of approved infrastructure designs	6/30/2022
3	BUILD, INSTALL AND COMMISSION	Task 3 Summary Report with Photographs	10/31/2022
4	DEMONSTRATION, DATA COLLECTION AND ANALYSIS	Data Collection Test Plan	4/1/2022
		Data collection information and analysis will be provided in the final report (Task 1.5)	2/16/2024

Category Budget

Name of Organization

City of Los Angeles Harbor Department

- Contractor/Recipient Subcontractor
 Small Business Micro Business Disabled Veteran Business Enterprise (DVBE)

Cost Category	Energy Commission Reimbursable Share	Match Share	Total
Direct Labor	\$ <u>157,413</u>	\$ -	\$ <u>157,413</u>
Fringe Benefits	\$ -	\$ -	\$ -
Total Labor	\$ <u>157,413</u>	\$ -	\$ <u>157,413</u>
Travel	\$ -	\$ -	\$ -
Equipment	\$ <u>3,214,520</u>	\$ 312,500	\$ <u>3,527,020</u>
Materials/Miscellaneous	\$ <u>1,419,862</u>	\$ <u>3,555</u>	\$ <u>1,423,417</u>
Subcontractors	\$ <u>3,050,475</u>	\$ <u>3,089,729</u>	\$ <u>6,140,204</u>
Total Other Direct Costs	\$ <u>7,684,857</u>	\$ <u>3,405,784</u>	\$ <u>11,090,641</u>
Indirect Costs	\$ -	\$ -	\$ -
Profit (not allowed for grant recipients)	\$ -	\$ -	\$ -
Total Indirect and Profit	\$ -	\$ -	\$ -
Grand Totals	\$ <u>7,842,270</u>	\$ <u>3,405,784</u>	\$ <u>11,248,054</u>

Direct Labor (Unloaded)

City of Los Angeles Harbor Department

Hourly Rates

Employee Name	Job Classification / Title	Maximum Labor Rate (\$ per hour)	# of Hours	Energy Commission Funds	Match Share	Total
TBD	Construction and Maintenance (C&M) Senior Electrician	\$ 72.00	73	\$ 5,256		\$ 5,256
TBD	C&M Senior Carpenter	\$ 74.00	79	\$ 5,846	\$ -	\$ 5,846
TBD	C&M Senior Plumber	\$ 73.00	15	\$ 1,095	\$ -	\$ 1,095
TBD	Hiring Hall (HH) Electrician Foreman	\$ 61.00	141	\$ 8,601	\$ -	\$ 8,601
TBD	HH Electrician Journeyman	\$ 55.00	389	\$ 21,395	\$ -	\$ 21,395
TBD	HH City Craft Assistant	\$ 35.00	1,000	\$ 34,986	\$ -	\$ 34,986
TBD	HH Carpenter Foreman	\$ 66.00	273	\$ 18,018	\$ -	\$ 18,018
TBD	HH Carpenter Journeyman	\$ 60.00	518	\$ 31,080	\$ -	\$ 31,080
TBD	HH Plumbing Foreman	\$ 67.00	16	\$ 1,072	\$ -	\$ 1,072
TBD	HH Plumbing Journeyman	\$ 61.00	43	\$ 2,623	\$ -	\$ 2,623
TBD	HH Painter Foreman	\$ 43.00	43	\$ 1,849	\$ -	\$ 1,849
TBD	HH Painter Journeyman	\$ 41.00	84	\$ 3,444	\$ -	\$ 3,444
TBD	HH Finisher Journeyman	\$ 53.00	157	\$ 8,321	\$ -	\$ 8,321
TBD	HH Operator - Backhoe	\$ 60.00	80	\$ 4,800	\$ -	\$ 4,800
TBD	HH Operator - Dumptruck	\$ 59.00	153	\$ 9,027	\$ -	\$ 9,027
Hourly Direct Labor Totals				\$ 157,413	\$ -	\$ 157,413

Monthly Salary Rates

Employee Name	Job Classification / Title	Maximum Labor Rate (\$ per month)	# of Months	Energy Commission Funds	Match Share	Total
		\$ -		\$ -	\$ -	\$ -
Monthly Direct Labor Totals				\$ -	\$ -	\$ -
				Energy Commission Funds	Match Share	Total
Direct Labor Grand Totals				\$ 157,413	\$ -	\$ 157,413

Fringe Benefits

City of Los Angeles Harbor Department

Fringe Benefit Base Description (Employee or Job Classification/Title)	Max. Fringe Benefit Rate (%)	Direct Labor Costs (\$)	Energy Commission Funds	Match Share	Total
		\$ -	\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -	\$ -
Fringe Benefit Totals		\$ -	\$ -	\$ -	\$ -

Travel

City of Los Angeles Harbor Department

Task No.	Traveler's Name and/or Classification	Departure and Destination	Trip Purpose	Energy Commission Funds	Match Share	Total
				\$ -	\$ -	\$ -
				\$ -		\$ -
Total:				\$ -	\$ -	\$ -

Equipment

City of Los Angeles Harbor Department

Task No.	Description	Purpose	# Units	Unit Cost	Energy Commission Funds	Match Share	Total
3	High Voltage Breaker	High voltage circuit protection	2	\$ 80,000	\$ 160,000	\$ -	\$ 160,000
3	Low Voltage Breaker	Low voltage circuit protection	3	\$ 20,000	\$ 60,000	\$ -	\$ 60,000
3	3,000 KVA Transformer	Transformer box for ten inductive chargers	1	\$ 620,000	\$ 620,000	\$ -	\$ 620,000
3	1,500 KVA Transformer	Transformer box for two inductive chargers	1	\$ 440,000	\$ 440,000	\$ -	\$ 440,000
3	High Voltage Manhole	Underground cabling	2	\$ 35,000	\$ 70,000	\$ -	\$ 70,000
3	Low Voltage Pull Boxes	Enable access to wire conduits	10	\$ 5,000	\$ 50,000	\$ -	\$ 50,000
3	Power Electronic Filter for WAVE	Signal filtering for charging pad	6	\$ 35,000	\$ 210,000	\$ -	\$ 210,000
3	WAVE Charger Structure Pads	Inductive charging pads for trucks	6	\$ 15,000	\$ 90,000	\$ -	\$ 90,000
3	<u>Substation (Area #1)</u>	<u>To supply electricity for ten yard tractors</u>	<u>1</u>	<u>\$ 80,000</u>	<u>\$ 80,000</u>	\$ -	<u>\$ 80,000</u>
3	<u>Substation (Area #2)</u>	<u>To supply electricity for two yard tractors</u>	<u>1</u>	<u>\$ 75,000</u>	<u>\$ 75,000</u>	\$ -	<u>\$ 75,000</u>
3	<u>0.5 MW Battery Energy Storage System</u>	<u>Energy Storage</u>	<u>1</u>	<u>\$ 1,239,520</u>	<u>\$ 1,239,520</u>	\$ -	<u>\$ 1,239,520</u>
3	<u>500kw Battery Chargers</u>	<u>To charge the battery energy storage system</u>	<u>3</u>	<u>\$ 40,000</u>	<u>\$ 120,000</u>	\$ -	<u>\$ 120,000</u>
3	10 Yard Tractors	Demonstrate zero emissions (cash match)	10	\$ 31,250	\$ -	\$ 312,500	\$ 312,500
Total:					\$ 3,214,520	\$ 312,500	\$ 3,527,020

Materials & Miscellaneous

City of Los Angeles Harbor Department

Description	Purpose	# Units	Unit Cost	Energy Commission Funds	Match Share	Total
<u>Trench Backfill and Reconstruction Materials</u>	<u>To fill in and reconstruct trenches for in-ground infrastructure installation</u>	<u>850</u>	<u>\$ 100</u>	<u>\$ 85,000</u>	<u>\$ -</u>	<u>\$ 85,000</u>
<u>Trench Slurry (in yards)</u>	<u>To prevent water from seeping into trenches</u>	<u>500</u>	<u>\$ 112</u>	<u>\$ 56,000</u>	<u>\$ -</u>	<u>\$ 56,000</u>
<u>High-Voltage Cable Installation (in feet)</u>	<u>To supply power to inductive chargers</u>	<u>2,450</u>	<u>\$ 50</u>	<u>\$ 122,500</u>	<u>\$ -</u>	<u>\$ 122,500</u>
<u>Low-Voltage Communication Wiring Installation (in feet)</u>	<u>To allow communication between infrastructure equipment</u>	<u>1,500</u>	<u>\$ 5</u>	<u>\$ 7,500</u>	<u>\$ -</u>	<u>\$ 7,500</u>
<u>Low-Voltage 250 MCM Cable Installation (in feet)</u>	<u>To supply low-voltage power to inductive chargers</u>	<u>12,000</u>	<u>\$ 13</u>	<u>\$ 156,000</u>	<u>\$ -</u>	<u>\$ 156,000</u>
<u>Low-voltage 500 MCM Cable Installation (in feet)</u>	<u>To supply low-voltage power to inductive chargers</u>	<u>4,000</u>	<u>\$ 17</u>	<u>\$ 68,000</u>	<u>\$ -</u>	<u>\$ 68,000</u>
<u>Grounding Wire (in feet)</u>	<u>To ground inductive chargers</u>	<u>35,000</u>	<u>\$ 5</u>	<u>\$ 175,000</u>	<u>\$ -</u>	<u>\$ 175,000</u>
<u>Manufacturer Equipment Certification</u>	<u>Independent Safety Certification</u>	<u>2</u>	<u>\$ 20,000</u>	<u>\$ 40,000</u>	<u>\$ -</u>	<u>\$ 40,000</u>
<u>Electrical Conduit (in feet)</u>	<u>To safely guide electrical wiring</u>	<u>11,400</u>	<u>\$ 6</u>	<u>\$ 68,400</u>	<u>\$ -</u>	<u>\$ 68,400</u>
<u>Bollards</u>	<u>For vehicle safety</u>	<u>200</u>	<u>\$ 965</u>	<u>\$ 193,000</u>	<u>\$ -</u>	<u>\$ 193,000</u>
<u>Concrete</u>	<u>Pads for inductive chargers</u>	<u>700</u>	<u>\$ 130</u>	<u>\$ 91,000</u>	<u>\$ -</u>	<u>\$ 91,000</u>
<u>Merli Concrete Pump Rental (per month)</u>	<u>For pads and bollards</u>	<u>12</u>	<u>\$ 2,500</u>	<u>\$ 30,000</u>	<u>\$ -</u>	<u>\$ 30,000</u>
<u>Rebar (in feet)</u>	<u>For pads and bollards</u>	<u>7,000</u>	<u>\$ 10</u>	<u>\$ 70,000</u>	<u>\$ -</u>	<u>\$ 70,000</u>
<u>Precast Boxes</u>	<u>To access underground infrastructure, such as plumbing and electrical wiring</u>	<u>200</u>	<u>\$ 80</u>	<u>\$ 16,000</u>	<u>\$ -</u>	<u>\$ 16,000</u>
<u>Chain Link Fence</u>	<u>For security and safety</u>	<u>1,600</u>	<u>\$ 10</u>	<u>\$ 16,000</u>	<u>\$ -</u>	<u>\$ 16,000</u>

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Materials & Miscellaneous

City of Los Angeles Harbor Department

Description	Purpose	# Units	Unit Cost	Energy Commission Funds	Match Share	Total
PEX Material	Plumbing	7,500	\$ 2	\$ 15,000	\$ -	\$ 15,000
Building Material	Miscellaneous items such as lumber, hardware, bolts, screws, etc.	Varies	\$ 20,900	\$ 20,900	\$ -	\$ 20,900
HERC Backhoe Rental (3 months)	General Construction Equipment	3	\$ 3,500	\$ 10,500	\$ -	\$ 10,500
HERC Breaker Rental (3 months)	General Construction Equipment	3	\$ 1,650	\$ 4,950	\$ -	\$ 4,950
HERC Dumptruck Rental (2 trucks for 2 months)	General Construction Equipment	2	\$ 13,900	\$ 27,800	\$ -	\$ 27,800
Pickup Truck Rental (5 trucks for 7 months)	Employee Transport	7	\$ 8,500	\$ 59,500	\$ -	\$ 59,500
Forklift Rental (3 months)	General Construction Equipment	3	\$ 3,500	\$ 10,500	\$ -	\$ 10,500
Trench Plate Rental (3 months)	General Construction Equipment	3	\$ 7,130	\$ 21,390	\$ -	\$ 21,390
Trench Shoring Rental (7 months)	General Construction Equipment	7	\$ 1,150	\$ 8,050	\$ -	\$ 8,050
Trench Box Rental (2 boxes for 1 month)	General Construction Equipment	2	\$ 800	\$ 1,600	\$ -	\$ 1,600
Portable Toilet Rental (3 units for 12 months)	Hygiene	12	\$ 750	\$ 9,000	\$ -	\$ 9,000
Storage Container Rental (2 containers for 12 months)	Storage	12	\$ 980	\$ 11,760	\$ -	\$ 11,760
Fencing Rental	Safety and Security	12	\$ 376	\$ 4,512	\$ -	\$ 4,512
HERC Orange K-Rail Rental	Safety containment	100	\$ 200	\$ 20,000	\$ -	\$ 20,000
Permits: Structural	Building and Safety	6	\$ 410	\$ -	\$ 2,460	\$ 2,460
Permits: Electrical	Building and Safety	1	\$ 1,095	\$ -	\$ 1,095	\$ 1,095
Total				\$ 1,419,862	\$ 3,555	\$ 1,423,417

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Subcontracts

City of Los Angeles Harbor Department

Task No.	Subcontractor Name	Purpose	CA Business Certifications DVBE/ SB/MB/None	Energy Commission Funds	Match Share	Total
1,2,3	Wireless Advanced Vehicle Electrification, LLC	<u>To install 10 inductive charging EVSE units for main charging and 2 inductive EVSE units for opportunity charging</u>		\$ 2,843,420	\$ 126,885	\$ 2,970,305
3	West Basin Container Terminal, LLC	10 zero emission yard tractors			\$ 2,887,500	\$ 2,887,500
3	TBD	Asphalt		\$ 5,155	\$ 54,844	\$ 59,999
3	TBD	Concrete coring		\$ -	\$ 16,000	\$ 16,000
3	TBD	Ground scanning for existing utilities		\$ -	\$ 3,500	\$ 3,500
3	TBD	Saw cut to remove pot holes		\$ -	\$ 1,000	\$ 1,000
4	TBD	Demonstration Data Collection and Analysis		\$ 201,900	\$ -	\$ 201,900
				\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -
Total:				\$ 3,050,475	\$ 3,089,729	\$ 6,140,204

Indirect Costs and Profit

City of Los Angeles Harbor Department

Indirect Cost(s)

Name of Indirect Cost	Maximum Rate	Indirect Cost Base Description	Indirect Cost Base Amount	Energy Commission Funds	Match Share	Total
				\$ -		\$ -
				\$ -	\$ -	\$ -
Total:				\$ -	\$ -	\$ -

Profit

(Profit is not allowed for Grant Recipients)

Profit Rate	Profit Base Description	Profit Base Amount	Energy Commission Funds	Match Share	Total
			\$ -	\$ -	\$ -
Total:			\$ -	\$ -	\$ -

Category Budget

Name of Organization

Wireless Advanced Vehicle Electrification, LLC

- Contractor/Recipient Subcontractor
 Small Business Micro Business Disabled Veteran Business Enterprise (DVBE)

Cost Category	Energy Commission Reimbursable Share	Match Share	Total
Direct Labor	\$ 331,096	\$ 115,402	\$ 446,498
Fringe Benefits	\$ 32,944	\$ 11,483	\$ 44,427
Total Labor	\$ 364,040	\$ 126,885	\$ 490,925
Travel	\$ 21,580	\$ -	\$ 21,580
Equipment	<u>\$ 2,457,800</u>	\$ -	<u>\$ 2,457,800</u>
Materials/Miscellaneous	\$ -	\$ -	\$ -
Subcontractors	\$ -	\$ -	\$ -
Total Other Direct Costs	\$ 2,479,380	\$ -	\$ 2,479,380
Indirect Costs	\$ -	\$ -	\$ -
Profit (not allowed for grant recipients)	\$ -	\$ -	\$ -
Total Indirect and Profit	\$ -	\$ -	\$ -
Grand Totals	<u>\$ 2,843,420</u>	\$ 126,885	<u>\$ 2,970,305</u>

Direct Labor (Unloaded)

Wireless Advanced Vehicle Electrification, LLC

Hourly Rates

Employee Name	Job Classification / Title	Maximum Labor Rate (\$ per hour)	# of Hours	Energy Commission Funds	Match Share	Total
TBD	Chief Executive Officer	\$ 88.00	50	\$ 3,263	\$ 1,137	\$ 4,400
TBD	System Architect/Engineer	\$ 72.15	120	\$ 6,420	\$ 2,238	\$ 8,658
TBD	Electrical Engineer	\$ 50.00	1,789	\$ 66,332	\$ 23,119	\$ 89,451
TBD	Sr. Mechanical Engineer	\$ 60.00	74	\$ 3,292	\$ 1,148	\$ 4,440
TBD	Mechanical Engineer	\$ 50.00	3,125	\$ 115,865	\$ 40,384	\$ 156,249
TBD	Integration and Validation Engineer	\$ 46.00	42	\$ 1,433	\$ 499	\$ 1,932
TBD	Sr. Software Engineer	\$ 75.00	225	\$ 12,513	\$ 4,362	\$ 16,875
TBD	Software Engineer	\$ 45.00	198	\$ 6,607	\$ 2,303	\$ 8,910
TBD	Sr. Power Electronics Engineer	\$ 65.00	686	\$ 33,065	\$ 11,525	\$ 44,590
TBD	Sr. Electrical Engineer	\$ 75.00	476	\$ 26,473	\$ 9,227	\$ 35,700
TBD	Supply Chain Manager	\$ 40.00	334	\$ 9,907	\$ 3,453	\$ 13,360
TBD	Accounting and Operations Manager	\$ 60.00	149	\$ 6,629	\$ 2,311	\$ 8,940
TBD	Sr. Technician	\$ 38.00	1,059	\$ 29,841	\$ 10,401	\$ 40,242
TBD	Technician	\$ 26.00	150	\$ 2,892	\$ 1,008	\$ 3,900
TBD	Administrative	\$ 30.00	295	\$ 6,564	\$ 2,287	\$ 8,851
Hourly Direct Labor Totals				\$ 331,096	\$ 115,402	\$ 446,498

Monthly Salary Rates

Employee Name	Job Classification / Title	Maximum Labor Rate (\$ per month)	# of Months	Energy Commission Funds	Match Share	Total
		\$ -		\$ -	\$ -	\$ -
Monthly Direct Labor Totals				\$ -	\$ -	\$ -

	Energy Commission Funds	Match Share	Total
Direct Labor Grand Totals	\$ 331,096	\$ 115,402	\$ 446,498

Fringe Benefits

Wireless Advanced Vehicle Electrification, LLC

Fringe Benefit Base Description (Employee or Job Classification/Title)	Max. Fringe Benefit Rate (%)	Direct Labor Costs (\$)	Energy Commission Funds	Match Share	Total
All employees/job classifications	9.95%	\$ 446,498	\$ 32,944	\$ 11,483	\$ 44,427
		\$ -	\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -	\$ -
Fringe Benefit Totals		\$ 446,498	\$ 32,944	\$ 11,483	\$ 44,427

Travel

Wireless Advanced Vehicle Electrification, LLC

Task No.	Traveler's Name and/or Classification	Departure and Destination	Trip Purpose	Energy Commission Funds	Match Share	Total
1	CEO and System Architect	Salt Lake City, UT to Sacramento, CA	Kick-off, CPR, and Close out meetings. 3 trips @ \$1,660 per trip	\$ 4,980	\$ -	\$ 4,980
2,3	Two Integration and Validation Engineers	Salt Lake City, UT to San Pedro and Lancaster, CA	On-site reviews at POLA and BYD. 10 trips @ \$1,660 per trip	\$ 16,600	\$ -	\$ 16,600
				\$ -	\$ -	\$ -
Total:				\$ 21,580	\$ -	\$ 21,580

Equipment

Wireless Advanced Vehicle Electrification, LLC

Task No.	Description	Purpose	# Units	Unit Cost	Energy Commission Funds	Match Share	Total
3	250 kW Substation	<u>Primary in-ground charging unit for 10 125kW charging pads</u>	<u>5</u>	\$ 338,300	<u>\$ 1,691,500</u>	\$ -	<u>\$ 1,691,500</u>
3	125 kW On-Vehicle Receiver Pads	Vehicle-mounted receiver pads	<u>10</u>	\$ 31,500	<u>\$ 315,000</u>	\$ -	<u>\$ 315,000</u>
3	250 kW Substation	<u>Primary in-ground charging unit for 2 125kW charging pads; including conversion from validation/testing platform</u>	<u>1</u>	<u>\$ 368,300</u>	<u>\$ 368,300</u>	\$ -	<u>\$ 368,300</u>
3	125 kW On-Vehicle Receiver Pads	<u>Vehicle-mounted receiver pads; Including conversion from validation/testing platform</u>	<u>2</u>	<u>\$ 41,500</u>	<u>\$ 83,000</u>	\$ -	<u>\$ 83,000</u>
				\$ -	\$ -	\$ -	\$ -
Total:					\$ 2,457,800	\$ -	\$ 2,457,800

Materials & Miscellaneous

Wireless Advanced Vehicle Electrification, LLC

Task No.	Description	Purpose	# Units	Unit Cost	Energy Commission Funds	Match Share	Total
				\$ -	\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -	\$ -
				Total:	\$ -	\$ -	\$ -

Subcontracts

Wireless Advanced Vehicle Electrification, LLC

Task No.	Subcontractor Name	Purpose	CA Business Certifications DVBE/SB/MB/None	Energy Commission Funds	Match Share	Total
				\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -
Total:				\$ -	\$ -	\$ -

Indirect Costs and Profit

Wireless Advanced Vehicle Electrification, LLC

Indirect Cost(s)

Name of Indirect Cost	Maximum Rate	Indirect Cost Base Description	Indirect Cost Base Amount	Energy Commission Funds	Match Share	Total
				\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -
Total:				\$ -	\$ -	\$ -

Profit

(Profit is not allowed for Grant Recipients)

Profit Rate	Profit Base Description	Profit Base Amount	Energy Commission Funds	Match Share	Total
			\$ -	\$ -	\$ -
Total:			\$ -	\$ -	\$ -

**Exhibit C-1
Special Terms and Conditions
ARV-17-049**

1. These Special Terms and Conditions shall be in addition to, and not in lieu of, the other terms and conditions to Agreement ARV-17-049, including those relating to the California Energy Commission's (CEC) right and remedies thereunder.
2. The CEC has legal restrictions on how long the funds encumbered in this Agreement are available to spend under this Agreement. Recipient acknowledges that the funding under Agreement ARV-17-049 liquidates (i.e., is no longer available for disbursement from the CEC) as follows:
 - \$6,362,799 liquidates on June 30, 2023
 - \$1,479,471 liquidates on June 30, 2024
3. Due to the Recipient's delays in performing certain tasks described in Exhibit A, Scope of Work, the Recipient has asked the CEC to extend the Agreement end date beyond the June 30, 2023 liquidation date when the majority of funds available under this Agreement liquidate.
4. Therefore, reimbursable expenditures shall be incurred, and invoices documenting expenditures, as well as request(s) to release retention, shall be submitted according to the following schedule and in accordance with the terms and conditions of this Agreement in order to be eligible for payment:
 - By March 31, 2023: Recipient incurs and requests reimbursement of at least \$6,362,799 in allowable and allocable expenditures under ARV-17-049.
 - By February 15, 2024: Recipient incurs and requests reimbursement for up to \$1,479,471 in allowable and allocable expenditures including release of retention under ARV-17-049.

The Recipient agrees that all CEC-reimbursable expenditures must be incurred according to the above schedule. Expenditures outside of the amounts and times indicated may not be reimbursed by the CEC, but may count towards the Recipient's match fund commitment if incurred prior to the end date of this Agreement.

The Recipient agrees that all invoices (including request(s) to release retention) will be properly documented and submitted to the CEC according to the schedule above. Failure by the Recipient to submit invoices documented in accordance with the terms and conditions of this Agreement according to the above schedule

may result in the CEC not being able to process payment requests prior to the funding liquidation deadlines and payment not being issued for those invoices.

5. The Recipient acknowledges that damages are likely to result if the CEC pays all of its Agreement funds including retention to the Recipient and the Recipient does not then complete its work under the Agreement, including but not limited to 12 months of data collection, and that those damages may be difficult to prove. Therefore, the Recipient and the CEC intend that the payment of Liquidated Damages equal to ten (10) percent of the CEC funding disbursed under this Agreement would reasonably compensate the CEC for its actual damages sustained, and not be a penalty. Without eliminating any of the CEC's other rights and remedies, the Recipient agrees to pay the CEC this amount if the CEC pays all of its Agreement funds to the Recipient and the Recipient does not complete the Agreement.
6. The Recipient agrees to complete all tasks described in Exhibit A, Scope of Work, by March 31, 2024, including but not limited to:
 - a. Begin demonstration of all of the inductive electric vehicle supply equipment in Task 3 of this Agreement by October 31, 2022.
 - b. Begin demonstration of the battery energy storage system in Task 3 of this Agreement by October 31, 2022.
 - c. Operate and collect data on the inductive electric vehicle supply equipment and battery energy storage system in Task 3 for at least a 12 month period.
 - d. Provide monthly progress reports throughout the Agreement term.
 - e. Submit all project deliverables per the Exhibit A-1 Schedule of Products and Due Dates.
 - f. Submit the Draft Final Report by December 15, 2023 and the Final Report by February 16, 2024.
 - g. Fulfill the match share requirements of this agreement.
7. The CEC retains all rights and remedies should the Recipient fail to complete all tasks described in Exhibit A, Scope of Work, or otherwise fail to satisfy all terms and conditions of this Agreement.

CEC Agreement ARV-17-049

Second Amendment

GRANT/LOAN AMENDMENT



<input checked="" type="checkbox"/> Check here if additional pages are attached. <u>4</u> Pages	AGREEMENT NUMBER:	AMENDMENT NUMBER:
	ARV-17-049	02

1. This Agreement is entered into between the State Agency and the Recipient named below:

STATE AGENCY'S NAME

State Energy Resources Conservation and Development Commission

RECIPIENT'S NAME

City of Los Angeles Harbor Department

2. The term of this Agreement: From: 06/15/2018 To: 06/30/2025

3. The maximum amount of this Agreement after this amendment is: \$ 7,842,270 (\$0 Amendment)

4. The parties mutually agree to this amendment as follows. All actions noted below are by this reference made a part of the Agreement and incorporated herein:

The purpose of this amendment is a 15-month term extension and to update the Special Terms and Conditions. Agreement ARV-17-049, approved by the Energy Commission on August 21, 2019 and amended March 30, 2022 is amended as follows:

Exhibit A-1 – Schedule of Products and Due Dates (2 pages) is attached hereto and replaces the previously approved Exhibit A-1 – Schedule of Products and Due Dates (2 pages) in its entirety.

Exhibit D-1 – Special Terms and Conditions (2 pages) is attached hereto and replaces the previously approved Exhibit D-1 – Special Terms and Conditions (2 pages) in its entirety.

RECIPIENT

RECIPIENT'S NAME (If other than an individual, state whether a corporation, partnership, etc)

BY (Authorized Signature)

DATE SIGNED (Do not type)


NAME AND TITLE OF PERSON SIGNING

ADDRESS

425 S. Palos Verdes Street
San Pedro, CA 90731


STATE OF CALIFORNIA

AGENCY NAME

State Energy Resources Conservation and Development Commission

BY (Authorized Signature)

DATE SIGNED (Do not type)


NAME AND TITLE OF PERSON SIGNING

Adrienne Winuk, Contracts, Grants, and Loans Office Manager

ADDRESS

1516 Ninth Street, MS-18
Sacramento, CA 95814-5512

Exhibit A-1

Schedule of Products and Due Dates**Agreement Term: 6/15/2018 - 06/30/2025**

Task Number	Task Name	Product(s)	Due Date
1.1	Attend Kick-off Meeting	Updated Schedule of Products	9/19/2019
		Updated List of Match Funds	9/19/2019
		Updated List of Permits	9/19/2019
		Kick-Off Meeting Agenda (CEC)	9/19/2019
1.2	Critical Project Review Meetings	1st CPR Meeting CPR Report	3/31/2021
		Written determination (CEC)	4/7/2021
		2nd CPR Meeting CPR Report	<u>2/1/2024</u>
		Written determination (CEC)	<u>2/23/2024</u>
1.3	Final Meeting	Written documentation of meeting agreements	<u>6/13/2025</u> <u>4/25/2025</u>
		Schedule for completing closeout activities	<u>4/25/2025</u>
		Monthly Progress Reports	The 10th calendar day of each month during the approved term of this Agreement
1.4	Monthly Progress Reports	Monthly Progress Reports	
		Final Outline of the Final Report	<u>10/30/2024</u>
		Draft Final Report (no less than 60 days before the end term of the agreement)	<u>2/14/2025</u>
1.5	Final Report	Final Report	<u>4/30/2025</u>
		A letter regarding match funds or stating that no match funds are provided	1/31/2019
		Copy(ies) of each match fund commitment letter(s) (if applicable)	1/31/2019
1.6	Identify and Obtain Match Funds	Letter(s) for new match funds (if applicable)	Within 10 days of identifying new match funds
		Letter that match funds were reduced (if applicable)	Within 10 days of identifying reduced funds

Exhibit A-1

Schedule of Products and Due Dates**Agreement Term: 6/15/2018 - 06/30/2025**

Task Number	Task Name	Product(s)	Due Date
1.7	Identify and Obtain Required Permits		
	Letter documenting the permits or stating that no permits are required		1/31/2019
	A copy of each approved permit (if applicable)		Within 10 days of receiving each permit
	Updated list of permits as they change during the term of the Agreement (if applicable)		Within 10 days of change in list of permits
	Updated schedule for acquiring permits as changes occur during the term of the Agreement (if applicable)		Within 10 days of change in schedule for obtaining permits
1.8	Obtain and Execute Subcontracts		
	Letter describing the subcontracts needed, or stating that no subcontracts are required		12/31/2019
	Draft subcontracts		15 days prior to the scheduled execution date
	Final subcontracts		Within 10 days of execution
2	DESIGN AND DEVELOPMENT		
	Final equipment list		<u>12/9/2022</u>
	Executed BESS technical agreement		<u>1/31/2023</u>
	WAVE System Test Report		4/1/2022
	Copy of approved infrastructure designs		<u>1/31/2023</u>
3	BUILD, INSTALL AND COMMISSION		
	Task 3 Summary Report with Photographs		<u>3/29/2024</u>
4	DEMONSTRATION, DATA COLLECTION AND ANALYSIS		
	Data Collection Test Plan		<u>10/21/2022</u>
	Data collection information and analysis will be provided in the final report (Task 1.5)		<u>4/30/2025</u>

**Exhibit D-1
Special Terms and Conditions
ARV-17-049**

1. These Special Terms and Conditions shall be in addition to, and not in lieu of, the other terms and conditions to Agreement ARV-17-049, including those relating to the California Energy Commission's (CEC) right and remedies thereunder.
2. The CEC has legal restrictions on how long the funds encumbered in this Agreement are available to spend under this Agreement. Recipient acknowledges that the funding under Agreement ARV-17-049 liquidates (i.e., is no longer available for disbursement from the CEC) as follows:
 - \$6,362,799 liquidates on June 30, 2023
 - \$1,479,471 liquidates on June 30, 2024
3. Due to the Recipient's delays in performing certain tasks described in Exhibit A, Scope of Work, the Recipient has asked the CEC to extend the Agreement end date beyond the June 30, 2023 liquidation date when the majority of funds available under this Agreement liquidate.
4. Therefore, reimbursable expenditures shall be incurred, and invoices documenting expenditures, as well as request(s) to release retention, shall be submitted according to the following schedule and in accordance with the terms and conditions of this Agreement in order to be eligible for payment:
 - By March 31, 2023: Recipient incurs and requests reimbursement of at least \$6,362,799 in allowable and allocable expenditures under ARV-17-049.
 - By February 15, 2024: Recipient incurs and requests reimbursement for up to \$1,479,471 in allowable and allocable expenditures including release of retention under ARV-17-049.

The Recipient agrees that all CEC-reimbursable expenditures must be incurred according to the above schedule. Expenditures outside of the amounts and times indicated may not be reimbursed by the CEC, but may count towards the Recipient's match fund commitment if incurred prior to the end date of this Agreement.

The Recipient agrees that all invoices (including request(s) to release retention) will be properly documented and submitted to the CEC according to the schedule above. Failure by the Recipient to submit invoices documented in accordance with the terms and conditions of this Agreement according to the above schedule

may result in the CEC not being able to process payment requests prior to the funding liquidation deadlines and payment not being issued for those invoices.

5. The Recipient acknowledges that damages are likely to result if the CEC pays all of its Agreement funds, including retention, to the Recipient and the Recipient does not then complete its work under the Agreement, including but not limited to 12 months of data collection, and that those damages may be difficult to prove. Therefore, the Recipient and the CEC intend that the payment of Liquidated Damages equal to ten (10) percent of the CEC funding disbursed under this Agreement would reasonably compensate the CEC for its actual damages sustained, and not be a penalty. Without eliminating any of the CEC's other rights and remedies, the Recipient agrees to pay the CEC this amount if the CEC pays all of its Agreement funds to the Recipient and the Recipient does not complete the Agreement.
6. The Recipient agrees to complete all tasks described in Exhibit A, Scope of Work, by ~~March 31, 2024~~ **June 30, 2025**, including but not limited to:
 - a. Begin demonstration of all of the inductive electric vehicle supply equipment in Task 3 of this Agreement by ~~October 30, 2022~~, **January 31, 2024**.
 - b. Begin demonstration of the battery energy storage system in Task 3 of this Agreement by ~~October 30, 2022~~, **January 31, 2024**.
 - c. Operate and collect data on the inductive electric vehicle supply equipment and battery energy storage system in Task 3 for at least a 12-month period.
 - d. Provide monthly progress reports throughout the Agreement term.
 - e. Submit all project deliverables per the Exhibit A-1 Schedule of Products and Due Dates.
 - f. Submit the Draft Final Report by ~~November 17, 2023~~, **February 14, 2025**, and the Final Report by ~~January 5, 2024~~, **April 30, 2025**
 - g. Fulfill the match share requirements of this agreement.
7. The CEC retains all rights and remedies should the Recipient fail to complete all tasks described in Exhibit A, Scope of Work, or otherwise fail to satisfy all terms and conditions of this Agreement.

Exhibit A-2

Harbor Department Agreement No. 20-3723

Second Amendment

CITY OF LOS ANGELES

HARBOR DEPARTMENT

AGREEMENT NO. 24-3723-B

SECOND AMENDMENT TO AGREEMENT NO. 20-3723
BETWEEN THE CITY OF LOS ANGELES
WEST BASIN CONTAINER TERMINAL LLC AND
WIRELESS ADVANCED VEHICLE ELECTRIFICATION, LLC

THIS SECOND AMENDMENT to Agreement No. 20-3723 is made and entered into by and between the CITY OF LOS ANGELES, a municipal corporation ("City"), acting by and through its Board of Harbor Commissioners ("Board"), WEST BASIN CONTAINER TERMINAL LLC and WIRELESS ADVANCED VEHICLE ELECTRIFICATION, LLC as follows:

1. Section III EFFECTIVE DATE AND TERM OF AGREEMENT, Subsection (B) (1) is amended to read:

"1. June 30, 2026; or"

2. The Third Amendment to the California Energy Commission Agreement ARV-17-049 is attached hereto and made a part of this Agreement, which shall replace the exhibits of this Agreement as set forth in that Third Amendment.

Except as amended herein, all remaining terms and conditions of Agreement No. 20-3723 shall remain in full force and effect.

The effective date of this Amendment shall be upon execution by the Executive Director after authorization of the Board and approval by City Council as required by Charter Section 373 and Administrative Code Section 10.5.

/////


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/////

IN WITNESS THEREOF, the parties hereto have executed this Second Amendment to Agreement No. 20-3723 on the date to the left of their signatures.

THE CITY OF LOS ANGELES, by its Board of Harbor Commissioners

Dated: _____

By 
EUGENE D. SEROKA
Executive Director

Attest 
AMBER M. KLESGES
Board Secretary

WEST BASIN CONTAINER TERMINAL LLC


Dated: _____

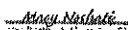
By _____
(Print/type name and title)

Attest _____
(Print/type name and title)


WIRELESS ADVANCED VEHICLE ELECTRIFICATION, LLC

Dated: 05/14/24

By 
Director of Systems Engineering
(Print/type name and title)

Attest 
Macy Neshati General Manager
(Print/type name and title)

APPROVED AS TO FORM AND LEGALITY

, 2024
HYDEE FELDSTEIN SOTO, City Attorney
Steven Y. Otera, General Counsel

By 
Heather M. McCloskey, Deputy

IN WITNESS THEREOF, the parties hereto have executed this Second Amendment to Agreement No. 20-3723 on the date to the left of their signatures.

THE CITY OF LOS ANGELES, by Its Board of Harbor Commissioners

Dated: _____

By _____
EUGENE D. SEROKA
Executive Director

Attest _____
AMBER M. KLESSES
Board Secretary

WEST BASIN CONTAINER TERMINAL LLC

Dated: 5/6/2024

By _____
VIN KIS / PRESIDENT WBC
(Print/type name and title)

Attest _____
QUENTIN PAUL / VICE PRESIDENT - WBC
(Print/type name and title)

WIRELESS ADVANCED VEHICLE ELECTRIFICATION, LLC

Dated: _____

By _____
(Print/type name and title)

Attest _____
(Print/type name and title)

APPROVED AS TO FORM AND LEGALITY

_____, 2024
HYDEE FELDSTEIN SOTO, City Attorney
Steven Y. Otera, General Counsel

By _____
Heather M. McCloskey, Deputy

CEC Agreement ARV-17-049

Third Amendment

GRANT/LOAN AMENDMENT

CEC-140 (Revised 9/11)

CALIFORNIA ENERGY COMMISSION

 Check here if additional pages are attached. 5 PagesAGREEMENT NUMBER:
ARV-17-049AMENDMENT NUMBER:
3

1. This Agreement is entered into between the State Agency and the Recipient named below:

STATE AGENCY'S NAME

State Energy Resources Conservation and Development Commission

RECIPIENT'S NAME

City of Los Angeles Harbor Department2. The term of this Agreement: From: **6/15/2018** To: **6/30/2026**3. The maximum amount of this Agreement after this amendment is: **\$7,842,270 (\$0 Amendment)**

4. The parties mutually agree to this amendment as follows. All actions noted below are by this reference made a part of the Agreement and incorporated herein:

The purpose of this amendment is to provide a 12-month no-cost time extension, and to update the Contact List and Special Terms and Conditions. Agreement ARV-17-049, approved by the Energy Commission on July 29, 2019, is amended as follows:

Exhibit A-1, Schedule of Products and Due Dates (2 Pages) is attached and replaces the previously approved Exhibit A-1, Schedule of Products and Due Dates (2 Pages) in its entirety.

Exhibit D, Contact List (1 Page) is attached and replaces the previously approved Exhibit D, Contact List (1 Page) in its entirety.

Exhibit D-1, Special Terms and Conditions (2 Pages) is attached and replaces the previously approved Exhibit D-1, Special Terms and Conditions (2 Pages) in its entirety.

RECIPIENT

RECIPIENT'S NAME (If other than an individual, state whether a corporation, partnership, etc)

City of Los Angeles Harbor Department

BY (Authorized Signature)

DATE SIGNED (Do not type)


 NAME AND TITLE OF PERSON SIGNING

ADDRESS


**425 S. Palos Verdes Street
San Pedro, CA 90731****STATE OF CALIFORNIA**

AGENCY NAME

State Energy Resources Conservation and Development Commission

BY (Authorized Signature)

DATE SIGNED (Do not type)


 NAME AND TITLE OF PERSON SIGNING
Adrienne Winuk, Contracts, Grants, and Loans Office Manager

ADDRESS

**715 P Street, MS-18
Sacramento, CA 95814-5512**

Exhibit A-1

Schedule of Products and Due Dates

Agreement Term: 6/15/2019 - 6/30/2025 06/30/2026

Task Number	Task Name	Product(s)	Due Date
1.1	Attend Kick-off Meeting	Updated Schedule of Products	9/19/2019
		Updated List of Match Funds	9/19/2019
		Updated List of Permits	9/19/2019
		Kick-Off Meeting Agenda (CEC)	9/19/2019
1.2	Critical Project Review Meetings	1st CPR Meeting CPR Report	3/31/2021
		Written determination (CEC)	4/7/2021
		2nd CPR Meeting CPR Report	2/4/2024 3/20/2024
		Written determination (CEC)	2/23/2024 4/10/2024
1.3	Final Meeting	Written documentation of meeting agreements	6/13/2025 4/25/2025 3/30/2026
		Schedule for completing closeout activities	4/25/2025 3/30/2026
1.4	Monthly Progress Reports	Monthly Progress Reports	The 10th calendar day of each month during the approved term of this Agreement
1.5	Final Report	Final Outline of the Final Report	10/30/2024
		Draft Final Report (no less than 60 days before the end term of the agreement)	2/4/2025 10/31/2025
		Final Report	4/30/2025 2/27/2026
1.6	Identify and Obtain Match Funds	A letter regarding match funds or stating that no match funds are provided	1/31/2019
		Copy(ies) of each match fund commitment letter(s) (if applicable)	1/31/2019
		Letter(s) for new match funds (if applicable)	Within 10 days of identifying new match funds

Exhibit A-1

Schedule of Products and Due Dates

Agreement Term: ~~6/15/2018 - 6/30/2025~~ 06/30/2026

Task Number	Task Name	Product(s)	Due Date
		Letter that match funds were reduced (if applicable)	Within 10 days of identifying reduced funds
1.7	Identify and Obtain Required Permits		
		Letter documenting the permits or stating that no permits are required	1/31/2019
		A copy of each approved permit (if applicable)	Within 10 days of receiving each permit
		Updated list of permits as they change during the term of the Agreement (if applicable)	Within 10 days of change in list of permits
		Updated schedule for acquiring permits as changes occur during the term of the Agreement (if applicable)	Within 10 days of change in schedule for obtaining permits
1.8	Obtain and Execute Subcontracts		
		Letter describing the subcontracts needed, or stating that no subcontracts are required	12/31/2019
		Draft subcontracts	15 days prior to the scheduled execution date
		Final subcontracts	Within 10 days of execution
2	DESIGN AND DEVELOPMENT		
		Final equipment list	12/9/2022
		Executed BESS technical agreement	6/30/2023 <u>2/7/2024</u>
		WAVE System Test Report	4/1/2022
		Copy of approved infrastructure designs	8/15/2023 <u>2/7/2024</u>
3	BUILD, INSTALL AND COMMISSION		
		Task 3 Summary Report with Photographs	3/29/2024 <u>6/14/2024</u>
4	DEMONSTRATION, DATA COLLECTION AND ANALYSIS		
		Data Collection Test Plan	10/21/2022
		Data collection information and analysis will be provided in the final report (Task 1.5)	4/30/2025 <u>2/27/2026</u>

**Exhibit D
CONTACT LIST**

California Energy Commission	Recipient
<p>Commission Agreement Manager: <u>(For Progress Reports and Non-Confidential Deliverables)</u> Marc Perry California Energy Commission 715 P Street Sacramento, CA 95814 Phone: (916) 931-9424 e-mail: Marc.Perry@energy.ca.gov</p>	<p>Project Manager: <u>Laura Hunter</u> City of Los Angeles, Harbor Department 425 S. Palos Verdes Street San Pedro, CA 90731 Phone: (310) 732-2675 Fax: (310) 547-4643 e-mail: lhunter@portla.org</p>
<p>Confidential Deliverables/Products: California Energy Commission Contracts, Grants, and Loans Office 715 P Street Sacramento, CA 95814 <u>Email a request to submit Confidential Products to: CGLfiles@energy.ca.gov</u></p> <p><u>Subject line should read:</u></p> <p><u>Request to Submit Confidential Products:</u> <u>[Recipient Name and CEC Agreement]</u></p>	<p>Administrator: <u>Lisa Wunder*</u> <u>Acting Director of Environmental Manager</u> City of Los Angeles, Harbor Department 425 S. Palos Verdes Street San Pedro, CA 90731 Phone: (310) 732-7649 Fax: (310) 547-4643 e-mail: lwunder@portla.org</p>
<p>Invoices, Progress Reports and Non-Confidential Deliverables to: California Energy Commission Accounting Office 715 P Street Sacramento, CA 95814</p> <p><u>Email PDF of Payment Request invoice packet to: invoices@energy.ca.gov</u></p>	<p>Accounting Officer: Frank Liu Accounting Director City of Los Angeles, Harbor Department 425 S. Palos Verdes Street San Pedro, CA 90731 Phone: (310) 732-3799 Fax: (310) 831-0439 e-mail: Fliu@portla.org</p>
<p>Commission Legal Notices: Adrienne Winuk Contracts, Grants, and Loans Manager 715 P Street Sacramento, CA 95814 Phone: (916) 827-9294 e-mail: Adrienne.Winuk@energy.ca.gov <u>Tatyana Yakshina</u> <u>Grants Manager</u> <u>California Energy Commission</u> <u>715 P Street, MS-1</u> <u>Sacramento, CA 95814</u> <u>Phone: (916) 827-9294</u> <u>e-mail: tatyana.yakshina@energy.ca.gov</u></p>	<p>Recipient Legal Notices: Office of the City Attorney, Harbor Division 425 S. Palos Verdes Street San Pedro, CA 90731 Phone: (310) 732-3750 Fax: (310) 831-9778 e-mail: PolaGeneralCounsel@portla.org</p>

*DocuSign Signer.

Exhibit D-1
Special Terms and Conditions
ARV-17-049

1. These Special Terms and Conditions shall be in addition to, and not in lieu of, the other terms and conditions to Agreement ARV-17-049, including those relating to the California Energy Commission's (CEC) right and remedies thereunder.
2. The CEC has legal restrictions on how long the funds encumbered in this Agreement are available to spend under this Agreement. Recipient acknowledges that the funding under Agreement ARV-17-049 liquidates (i.e., is no longer available for disbursement from the CEC) as follows:
 - \$6,362,799 liquidates **liquidated** on June 30, 2023
 - \$1,479,471 liquidates on June 30, 2024
3. Due to the Recipient's delays in performing certain tasks described in Exhibit A, Scope of Work, the Recipient has asked the CEC to extend the Agreement end date beyond the June 30, 2023 **2024**, liquidation date when the majority of funds available under this Agreement liquidate.
4. Therefore, reimbursable expenditures shall be incurred, and invoices documenting expenditures, as well as request(s) to release retention, shall be submitted according to the following schedule and in accordance with the terms and conditions of this Agreement in order to be eligible for payment:
 - ~~By March 31, 2023: Recipient incurs and requests reimbursement of at least \$6,362,799 in allowable and allocable expenditures under ARV-17-049.~~
 - By February 15, 2024 **March 30, 2024**: Recipient incurs and requests reimbursement for up to \$1,479,471 in allowable and allocable expenditures including release of retention under ARV-17-049.

The Recipient agrees that all CEC-reimbursable expenditures must be incurred according to the above schedule. Expenditures outside of the amounts and times indicated may not be reimbursed by the CEC, but may count towards the Recipient's match fund commitment if incurred prior to the end date of this Agreement.

The Recipient agrees that all invoices (including request(s) to release retention) will be properly documented and submitted to the CEC according to the schedule above. Failure by the Recipient to submit invoices documented in accordance with the terms and conditions of this Agreement according to the above schedule may result in the CEC not being able to process payment requests prior to the funding liquidation deadlines and payment not being issued for those invoices.

5. The Recipient acknowledges that damages are likely to result if the CEC pays all of its Agreement funds, including retention, to the Recipient and the Recipient does not then complete its work under the Agreement, including but not limited to 12 months of data

collection, and that those damages may be difficult to prove. Therefore, the Recipient and the CEC intend that the payment of Liquidated Damages equal to ten (10) percent of the CEC funding disbursed under this Agreement would reasonably compensate the CEC for its actual damages sustained, and not be a penalty. Without eliminating any of the CEC's other rights and remedies, the Recipient agrees to pay the CEC this amount if the CEC pays all of its Agreement funds to the Recipient and the Recipient does not complete the Agreement.

6. The Recipient agrees to complete all tasks described in Exhibit A, Scope of Work, by ~~March 31, 2024~~ **June 30, 2026**, including but not limited to:
 - a. Begin demonstration of all of the inductive electric vehicle supply equipment in Task 3 of this Agreement by ~~February 1, 2024~~ **May 31, 2024**.
 - b. Begin demonstration of the battery energy storage system in Task 3 of this Agreement by ~~February 1, 2024~~ **May 31, 2024**.
 - c. Operate and collect data on the inductive electric vehicle supply equipment and battery energy storage system in Task 3 for at least a 12-month period.
 - d. Provide monthly progress reports throughout the Agreement term.
 - e. Submit all project deliverables per the Exhibit A-1 Schedule of Products and Due Dates.
 - f. Submit the Draft Final Report by ~~December 13, 2024~~ **October 31, 2025**, and the Final Report by ~~February 14, 2025~~ **February 27, 2026**.
 - g. Fulfill the match share requirements of this agreement.
7. The CEC retains all rights and remedies should the Recipient fail to complete all tasks described in Exhibit A, Scope of Work, or otherwise fail to satisfy all terms and conditions of this Agreement.

Exhibit B

**Harbor Department Agreement No. 19-3666
(CEC Agreement ARV-17-049)**

Fourth Amendment

GRANT/LOAN AMENDMENT



Check here if additional pages are attached. 6 Pages

AGREEMENT NUMBER:
ARV-17-049

AMENDMENT NUMBER:
4

1. This Agreement is entered into between the State Agency and the Recipient named below:

STATE AGENCY'S NAME

State Energy Resources Conservation and Development Commission

RECIPIENT'S NAME

City of Los Angeles Harbor Department

2. The term of this Agreement: From: 6/15/2018 To: 6/30/2027

3. The maximum amount of this Agreement after this amendment is: \$7,842,270 (\$0 Amendment)

4. The parties mutually agree to this amendment as follows. All actions noted below are by this reference made a part of the Agreement and incorporated herein:

The purpose of this amendment is to provide a 12-month no-cost time extension, and to update the Schedule and Special Terms and Conditions.

Agreement ARV-17-049, approved by the Energy Commission on 07/29/2019, and amended by the Energy Commission on 03/30/2022, 05/12/2023, and 06/05/2024, is further amended as follows:

Exhibit A-1, Schedule of Products and Due Dates (2 Pages) is attached and replaces the previously approved Exhibit A-1, Schedule of Products and Due Dates (2 Pages) in its entirety.

Exhibit D-1, Special Terms and Conditions (2 Pages) is attached and replaces the previously approved Exhibit D-1, Special Terms and Conditions (2 Pages) in its entirety.

Exhibit E, Russia Sanctions (1 Page) is attached and included in the agreement.

Exhibit F, Special Terms and Conditions: Bankruptcy (1 Pages) is attached and included in the agreement.

RECIPIENT

RECIPIENT'S NAME (If other than an individual, state whether a corporation, partnership, etc)

City of Los Angeles Harbor Department

BY (Authorized Signature)

DATE SIGNED (Do not type)


NAME AND TITLE OF PERSON SIGNING

ADDRESS
**425 S. Palos Verdes Street
San Pedro, CA 90731**


STATE OF CALIFORNIA

AGENCY NAME

State Energy Resources Conservation and Development Commission

BY (Authorized Signature)

DATE SIGNED (Do not type)


NAME AND TITLE OF PERSON SIGNING
Tatyana Yakshina, Contracts, Grants, and Loans Office Manager

ADDRESS
**715 P Street, MS-18
Sacramento, CA 95814-5512**

Exhibit A-1

Schedule of Products and Due Dates

Agreement Term: 6/15/2018 - ~~06/30/2026~~ 06/30/2027

Task Number	Task Name	Product(s)	Due Date
1.1	Attend Kick-off Meeting	Updated Schedule of Products	9/19/2019
		Updated List of Match Funds	9/19/2019
		Updated List of Permits	9/19/2019
		Kick-Off Meeting Agenda (CEC)	9/19/2019
1.2	Critical Project Review Meetings	1st CPR Meeting CPR Report	3/31/2021
		Written determination (CEC)	4/7/2021
		2nd CPR Meeting CPR Report	3/20/2024
		Written determination (CEC)	4/10/2024
1.3	Final Meeting	Written documentation of meeting agreements	3/30/2026 <u>5/14/2027</u>
		Schedule for completing closeout activities	3/30/2026 <u>5/14/2027</u>
1.4	Monthly Progress Reports	Monthly Progress Reports	The 10th calendar day of each month during the approved term of this Agreement
1.5	Final Report	Final Outline of the Final Report	10/30/2024 <u>1/15/2027</u>
		Draft Final Report (no less than 60 days before the end term of the agreement)	10/31/2025 <u>3/15/2027</u>
		Final Report	2/27/2026 <u>4/30/2027</u>
1.6	Identify and Obtain Match Funds	A letter regarding match funds or stating that no match funds are provided	1/31/2019
		Copy(ies) of each match fund commitment letter(s) (if applicable)	1/31/2019
		Letter(s) for new match funds (if applicable)	Within 10 days of identifying new match funds
		Letter that match funds were reduced (if applicable)	Within 10 days of identifying reduced funds

Exhibit A-1

Schedule of Products and Due Dates			
Agreement Term: 6/15/2018 - 06/30/2026 - 06/30/2027			
Task Number	Task Name	Product(s)	Due Date
1.7	Identify and Obtain Required Permits	Letter documenting the permits or stating that no permits are required	1/31/2019
		A copy of each approved permit (if applicable)	Within 10 days of receiving each permit
		Updated list of permits as they change during the term of the Agreement (if applicable)	Within 10 days of change in list of permits
		Updated schedule for acquiring permits as changes occur during the term of the Agreement (if applicable)	Within 10 days of change in schedule for obtaining permits
1.8	Obtain and Execute Subcontracts	Letter describing the subcontracts needed, or stating that no subcontracts are required	12/31/2019
		Draft subcontracts	15 days prior to the scheduled execution date
		Final subcontracts	Within 10 days of execution
2	DESIGN AND DEVELOPMENT	Final equipment list	12/9/2022
		Executed BESS technical agreement	2/7/2024
		WAVE System Test Report	4/1/2022
		Copy of approved infrastructure designs	2/7/2024
3	BUILD, INSTALL AND COMMISSION	Task 3 Summary Report with Photographs	6/14/2024 4/30/2026
4	DEMONSTRATION, DATA COLLECTION AND ANALYSIS	Data Collection Test Plan	10/21/2022
		Data collection information and analysis will be provided in the final report (Task 1.5)	2/27/2026
			4/30/2027

**Exhibit D-1
Special Terms and Conditions
ARV-17-049**

1. These Special Terms and Conditions shall be in addition to, and not in lieu of, the other terms and conditions to Agreement ARV-17-049, including those relating to the California Energy Commission's (CEC) right and remedies thereunder.
2. The CEC has legal restrictions on how long the funds encumbered in this Agreement are available to spend under this Agreement. Recipient acknowledges that the funding under Agreement ARV-17-049 liquidates (i.e., is no longer available for disbursement from the CEC) as follows:
 - \$6,362,799 liquidated on June 30, 2023
 - \$1,479,471 liquidates on ~~June 30, 2024~~ **June 30, 2031**
3. Due to the Recipient's delays in performing certain tasks described in Exhibit A, Scope of Work, the Recipient had asked the CEC to extend the Agreement end date beyond the June 30, 2024, liquidation date when the funds available under this Agreement liquidate; **however, the liquidation date has been extended to June 30, 2031.**
4. ~~Therefore,~~ Reimbursable expenditures shall be **were** incurred, and invoices documenting expenditures, as well as request(s) to release retention, shall be **were** submitted according to the following schedule and in accordance with the terms and conditions of this Agreement in order to be eligible for payment:
 - ~~By March 30, 2024~~ **June 30, 2024**: Recipient incurs and requests **incurred and requested** reimbursement for up to \$1,479,471 in allowable and allocable expenditures including release of retention under ARV-17-049.

The Recipient agrees that all CEC-reimbursable expenditures ~~must be~~ **were** incurred according to the above schedule. Expenditures outside of the amounts and times indicated may not be reimbursed by the CEC, but may count towards the Recipient's match fund commitment if incurred prior to the end date of this Agreement.

~~The Recipient agrees that all invoices (including request(s) to release retention) will be properly documented and submitted to the CEC according to the schedule above. Failure by the Recipient to submit invoices documented in accordance with the terms and conditions of this Agreement according to the above schedule may result in the CEC not being able to process payment requests prior to the funding liquidation deadlines and payment not being issued for those invoices.~~ **The final invoice and retention release invoice were received by the CEC on June 25, 2024, and were scheduled for payment on July 17, 2024.**

5. The Recipient acknowledges that damages are likely to result if the CEC pays all of its Agreement funds, including retention, to the Recipient and the Recipient does not then complete its work under the Agreement, including but not limited to 12 months of data

collection, and that those damages may be difficult to prove. Therefore, the Recipient and the CEC intend that the payment of Liquidated Damages equal to ten (10) percent of the CEC funding disbursed under this Agreement would reasonably compensate the CEC for its actual damages sustained, and not be a penalty. Without eliminating any of the CEC's other rights and remedies, the Recipient agrees to pay the CEC this amount if the CEC pays all of its Agreement funds to the Recipient and the Recipient does not complete the Agreement.

6. The Recipient agrees to complete all tasks described in Exhibit A, Scope of Work, by ~~June 30, 2026~~ **June 30, 2027**, including but not limited to:
 - a. ~~Begin demonstration~~ **Demonstration** of all of the inductive electric vehicle supply equipment in Task 3 of this Agreement by ~~will end on May 31, 2024~~ **May 19, 2026**.
 - b. Begin demonstration of the battery energy storage system in Task 3 of this Agreement by ~~May 31, 2024~~ **April 1, 2026**.
 - c. Operate and collect data on the inductive electric vehicle supply equipment and battery energy storage system in Task 3 for at least a 12-month period.
 - d. Provide monthly progress reports throughout the Agreement term.
 - e. Submit all project deliverables per the Exhibit A-1 Schedule of Products and Due Dates.
 - f. Submit the Draft Final Report by ~~October 31, 2025~~ **March 15, 2027**, and the Final Report by ~~February 27, 2026~~ **April 30, 2027**.
 - g. ~~Fulfill the match share requirements of this agreement.~~
7. The CEC retains all rights and remedies should the Recipient fail to complete all tasks described in Exhibit A, Scope of Work, or otherwise fail to satisfy all terms and conditions of this Agreement.

EXHIBIT E

Russia Sanctions

On March 4, 2022, Governor Gavin Newsom issued Executive Order N-6-22 (the EO) regarding Economic Sanctions against Russia and Russian entities and individuals. "Economic Sanctions" refers to sanctions imposed by the U.S. government in response to Russia's actions in Ukraine, as well as any sanctions imposed under state law. The EO directs state agencies to terminate contracts with, and to refrain from entering any new contracts with, individuals or entities that are determined to be a target of Economic Sanctions. Accordingly, should the State (Sponsor) determine Facility Operator is a target of Economic Sanctions or is conducting prohibited transactions with sanctioned individuals or entities, that shall be grounds for termination of this agreement. The State (Sponsor) shall provide Facility Operator advance written notice of such termination, allowing Facility Operator at least 30 calendar days to provide a written response. Termination shall be at the sole discretion of the State (Sponsor).

Exhibit F

Special Terms and Conditions

1. *INSOLVENCY, BANKRUPTCY OR RECEIVERSHIP*

The Recipient shall immediately, but no later than five calendar days, notify the CEC if the Recipient, the Recipient's parent, a subrecipient, a vendor, or a site host is planning for any of the following events: (1) the entity's filing of a voluntary case seeking liquidation or reorganization under the Bankruptcy Act or similar applicable law; (2) the entity's consent to the institution of an involuntary case under the Bankruptcy Act or similar applicable law; (3) the filing, or planning of filing, of any similar proceeding for or against the entity, or the entity's consent to the dissolution, winding-up or readjustment of its debts, appointment of a receiver, conservator, trustee, or other officer with similar powers over the entity, under any other applicable law; or (4) the entity's insolvency due to its inability to pay debts generally as they become due.

Such notification shall be in writing and shall: (1) specifically set out the details of the occurrence of the event; (2) provide the facts surrounding that event; and (3) provide the impact such event will have on the project being funded by this Agreement.

Upon the occurrence of any of the four events described above, the CEC reserves the right to conduct a review of the Agreement to determine the Recipient's compliance with the required elements of the Agreement (including such items as match share, progress towards project objectives, and submission of required products). If the CEC review determines that there are significant deficiencies or concerns with the Recipient's continued performance under the Agreement, the CEC reserves the right to take any action available under this Agreement including, but not limited to, issuing a Stop Work Order or terminating the Agreement.

Failure of the Recipient to comply with this term may be considered a material breach of this Agreement.

This term shall be flowed-down to all subawards and site host agreements.