

DOCKETED

Docket Number:	21-TRAN-04
Project Title:	Energy Infrastructure Incentives for Zero-Emission Commercial Vehicles (EnergIIZE Commercial Vehicles)
TN #:	241149
Document Title:	CALSTART Comments - EnergIIZE EV Fast Track Application Process Slides and Recording
Description:	N/A
Filer:	System
Organization:	CALSTART
Submitter Role:	Public
Submission Date:	1/11/2022 5:15:34 PM
Docketed Date:	1/11/2022

*Comment Received From: CALSTART
Submitted On: 1/11/2022
Docket Number: 21-TRAN-04*

EnergIIZE EV Fast Track Application Process Slides and Recording

EnergIIZE EV Fast Track Application Process PowerPoint slides below from January 11, 2022 presentation, containing a walk through of each step of the EV Fast Track application process.

A recording of the Workshop is saved in the cloud and may be viewed at the link below. It is recommended to copy and paste the URL into your browser and then entering the passcode when prompted.

Passcode: Zc9!1B5@

https://us06web.zoom.us/rec/share/dCg9T6H1adYZaW1Pk2L_7CpIABMiPgJA2IYpAaIFyj10LdQKckDD0vYI9uCaDr3u.T8XyDN-V5FNUJAg-

Additional submitted attachment is included below.



EnergiZE Workshop

Application Process

Electric Vehicle (EV) Fast Track

January 11, 2022

Energize Commercial Vehicles

Energy Infrastructure Incentives for Zero-Emission Commercial Vehicles

Accelerating fueling infrastructure deployment for zero-emission trucks, buses and equipment



Zoom Logistics

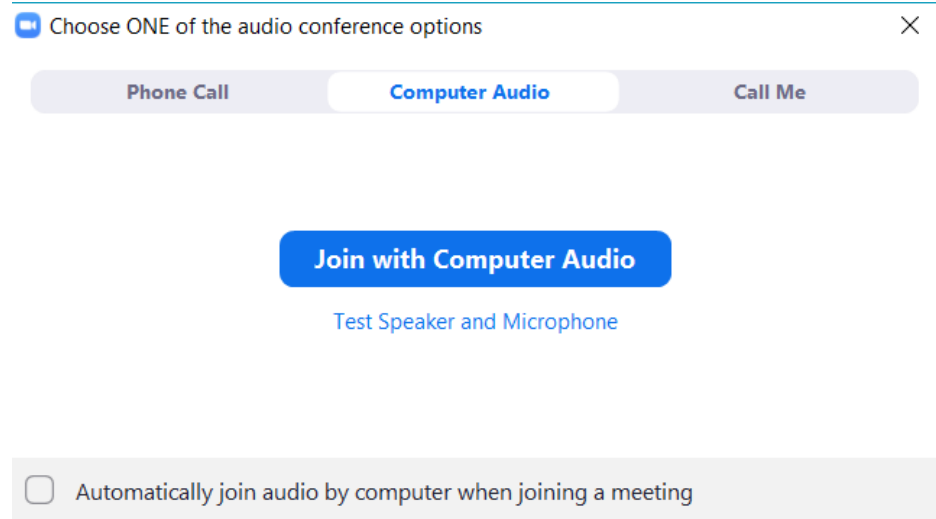


All participants (web and dial-in) are automatically in listen-only mode.

All participants will be unable to share their video.

If you have questions, you can use the chat function. You may send messages to the whole meeting or individual participants.

If you dial-in from a phone, use the meeting ID and passcode from invite



Meeting ID: 882 1704 4786
Passcode: 121986
Mobile:
+16699006833,88217044786# US (San Jose)
+12532158782,88217044786# US (Tacoma)
Dial by your location
+1 669 900 6833 US (San Jose)
+1 253 215 8782 US (Tacoma)

(Invite information above is for illustrative purposes only.)

Agenda

1 Walkthrough of EnerglIZE EV Fast Track Application Process

1. *Submit EnerglIZE Application*
2. *Provide Supporting Documents*
3. *Plan Project*
4. *Initiate Construction*
5. *Commission Project*

2 EnerglIZE Website Demo

3 Q&A



Application Process



An overview on documentation you will submit
as an EV Fast Track Applicant

EV Fast Track: Application Checklist



- 1 EnergIIZE Application Form
- 2 Site Verification Form
- 3 Signed Copy of EnergIIZE Applicant Terms and Conditions
- 4 Proof of Participation in Investor-Owned Utility (IOU) Make Ready Programs (if applicable)

EV Fast Track: Application Checklist (Continued)



- 5 Copy of Request for New Service from Utility (if applicable)
- 6 Site Equipment Manifest
- 7 Proof of Zero Emission Vehicle (ZEV) Ownership, or Purchase Order for medium- and heavy-duty (MD/HD) ZEV(s) receiving State or Federal Incentives**
- 8 EV Jump Start Certification Form (if applying for additional incentive funding)



Step 1: Submit Application



EV Fast Track Funding Lane

EnergIZE Application Roadmap



Step 1

General Documents

- ✓ Application Form
- ✓ Signed Terms and Conditions (T&Cs)
- ✓ EV Jump Start Certification Form (if submitting during EV Jump Start lane, or applying for additional incentive funding)

Site Documents

- ✓ Site Verification Form
- ✓ Site Equipment Manifest

Other Documents

- ✓ Proof of Make Ready Participation
- ✓ Request for New Util. Service (where applicable)
- ✓ Proof of Vehicle Ownership or Purchase Order (PO)*

**For EV Fast Track Applicants only*

Step 1: Submit Application

EnergIIZE Application Form

What's Inside the Document?

- EnergIIZE Applicant Terms and Conditions (T&Cs).
- Template Site Equipment Manifest.
- Fields to Denote If you are a fleet applying on behalf of your organization, or if you are a vendor applying on behalf of a fleet.

What You Need to Complete It:

- ✓ Primary Contact Phone and Email of Fleet Operator.
- ✓ Primary Contact Phone and Email of Vendor.
- ✓ Address of Infrastructure Project.
- ✓ Name of Property Owner.
- ✓ Make, Model, Description, and Anticipated Quantity of Eligible Equipment to be Installed.
- ✓ Name, Type, and Supplier of Software (if applicable).

EnergIIZE Application Form

INTRODUCTION

Energy Infrastructure Incentives for Zero-Emission Commercial Vehicles (EnergIIZE) targets the infrastructure needs of medium- and heavy-duty zero-emission vehicles in California through incentives aimed at reducing the cost burden associated with their accompanying material and software costs.

EnergIIZE provides incentives for material costs and charging software incurred at the site level, and recipients will be selected based on eligibility criteria outlined in detail in the Implementation Manual.

For further questions visit the program website at www.EnergIIZE.org or contact the EnergIIZE Helpline.

To be eligible, **applicants** may be either of the following:

- 1. Fleet:** Business, organization, or individual responsible for the operation of a medium- and/or heavy-duty vehicle fleet (Class 2B or above) in the state of California.
- 2. Approved Vendor:** Business, organization, or individual responsible for the engineering, construction, procurement, and completion of a ZE infrastructure site in the state of California which shall service medium- or heavy-duty ZEVs Class 2B or above. This vendor must be vetted by EnergIIZE staff and complete the Approved Vendor/Installer application.

EnergIIZE established four (4) funding “categories” or lanes with differing qualifications and incentive structures:

	EV Fast Track	EV Jump Start	EV Public Charging Station	Hydrogen Fueling
Type of Application	First-Come, First-Served	Competitive	Competitive	Competitive
Incentive Offering	50% of Hardware & One-Time Software Costs Incurred	75% of Hardware & One-Time Software Costs Incurred and a Labor Stipend	50% of Hardware & One-Time Software Costs Incurred	50% of Hardware & One-Time Software Costs Incurred
Soft Costs Incentives	Not Eligible	Eligible**	Not Eligible	Not Eligible
Eligible for Milestone Payments	Yes	Yes	Yes	Yes
Project Cap*	\$500K	\$750K***	\$500K	\$2M

*The project cap is the maximum amount of incentive dollars eligible for a given project.

**Eligible Soft Costs include construction labor costs and architectural fees for infrastructure planning. If an

***If an applicant participates during a funding lane other than Jump Start but meets one or more of the criteria mentioned in Jump Start, that project may be eligible for the incentive structure outlined under Jump Start.

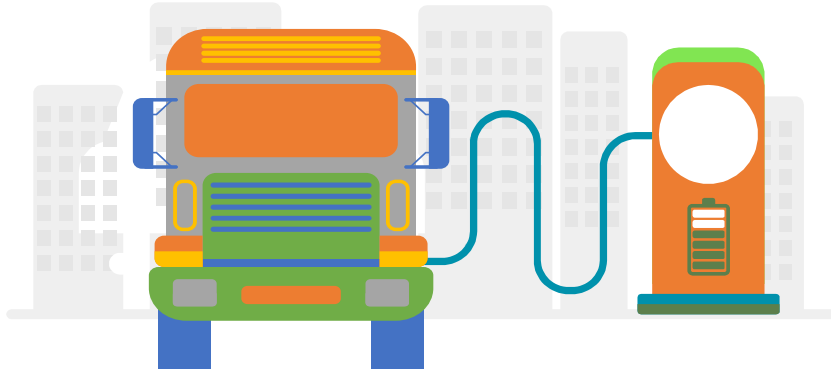
Step 1: Submit Application

Terms and Conditions – The Fine Print



Time Commitments

- Operate this equipment in California for a minimum of five years from the date of commissioning.
- 3 year minimum - Keep written records of the equipment purchased and provide records within ten days of request.
- Complete the semi-annual usage survey and questionnaire for three years after the commissioning of my project.
- Retain all project reimbursement records for a minimum of three (3) years after the final payment has been received or after the agreement term, whichever is later, unless otherwise specified.



Step 1: Submit Application

Terms and Conditions – The Fine Print



Equipment/Insurance Terms

- Carry Worker's Compensation Insurance for all of its employees who will be engaged in the performance of this Agreement and must provide satisfactory evidence
- If Applicant is self-insured for worker's compensation, it hereby warrants such self-insurance is permissible under the laws of the State of California and must provide satisfactory evidence
- Equipment will be utilized for the charging, or fueling of Class 2b – Class 8 commercial vehicles, operated and maintained as recommended by the manufacturer



Other Terms

- All projects receiving funds through an EnergIIZE incentive comply with the payment of prevailing wages;
- Failure to comply with the terms of this agreement may result in repayment of incentive funds received to EnergIIZE Staff;

Step 1: Submit Application

Site Verification Form

What's Inside the Document?

- Fields to Denote If you are an Applicant or property Owner (Landlord).

What You Need to Complete It:

- ✓ Applicant/Organization Name.
- ✓ Applicant Project ID.
- ✓ Installation Site Address.
- ✓ Authorization that the installation work is authorized by the property Owner and the Applicant.

Site Verification Form

Site Verification Form

EnergllZE Commercial Vehicles Project Applicants that do not own the property where the proposed installation site is located, must provide authorization, to the satisfaction of EnergllZE Staff that the installation work is authorized by the property Owner and the Applicant. Each Owner and each Applicant must complete, sign, and submit this form to EnergllZE Staff. EnergllZE Staff reserve the right to require that Applicant and Owner provide such further information as may be required to review and approve an Applicant's application.

EnergllZE Commercial Vehicles promotes the acceleration of zero-emission medium- and heavy-duty vehicle adoption through incentives for electric vehicle recharging and hydrogen fuel cell refueling equipment and associated software. For more information about EnergllZE or how to participate, please visit www.EnergllZE.org.

APPLICANT. Please complete as follows:	
Applicant/Organization Name:	Enter Applicant/Org. Name
Applicant Project ID:	Enter Applicant ID.
Installation Site Address:	Enter Address
City: Enter City State: Enter State Zip Code: Enter Zip Code	
Applicant hereby represents and warrants to EnergllZE Staff: (i) that all the foregoing information is true and correct; and (ii) that the undersigned has been duly authorized by Applicant to execute and submit this Site Verification Form. Applicant acknowledges and agrees that EnergllZE Staff is relying on Applicant's foregoing certifications in reviewing and approving of Applicant's application.	
Signature of Authorized Applicant or Representative of Applicant:	
Print Name: Print Name	Title: Click or tap here to enter text.
Date:	Click or tap to enter a date.

PROPERTY OWNER (landlord). Please complete as follows:	
The undersigned, on behalf of Click or tap here to enter text. ("Owner"), hereby represents and warrants to EnergllZE Staff (i) that Owner is the property Owner located at Click or tap here to enter text. ("Property"); (ii) that Owner has consented to Applicant's installation of certain EV charging station equipment and/or hydrogen fuel cell refueling equipment at the property; and (iii) that the undersigned has been duly authorized to execute and submit this Site Verification Form to EnergllZE Staff. Owner acknowledges and agrees that EnergllZE Staff is relying on Owner's foregoing certifications in reviewing and approving of Applicant's application.	
Installation Site Address:	Enter Address
City: Enter City State: Enter State Zip Code: Enter Zip Code	
Signature of Property Owner or Representative of Property Owner:	
Print Name: Print Name	Title: Click or tap here to enter text.
Date:	Click or tap to enter a date.

Step 1: Submit Application

Proof of ZEV Ownership or Vehicle Purchase Order


What's Inside the Document?

- Purchase Order Date.
- Purchase Order Number.
- Address of Infrastructure Project.

What You Need to Complete It:

- ✓ Authorization of ZEV ownership, or
- ✓ Receipt of ZEV purchase.

Example Proof of ZEV Ownership or Vehicle Purchase Order



Printed On: 6/8/2021
Page: 1 of 2

Purchase Order Reprint

Bill to: [REDACTED]
 ATTN: Accounts Payable
 Phone: [REDACTED]

P.O. #: [REDACTED] Branch/Plant: [REDACTED]

Vendor #: [REDACTED]
Vendor Name: **New Flyer Industries**
 711 Kernaghan Ave.
 Winnipeg, Manitoba CN R2C 3T4

Ship To: [REDACTED]

Phone: (800) 665-2637
 Fax: (800) 745-5368
 Email: [REDACTED]
 Attn: [REDACTED]

Original PO Date: 6/4/2021 Date Updated: 6/4/2021

Purchase Order Terms and Conditions:
 Seller is required to adhere to [REDACTED] Terms and Conditions which are provided at: [REDACTED]

Line No.	Line Type	Change Order	Description / Supplier Item	Quantity Ordered	UOM	Unit Price	Extended Price
1.000	J	000	BEB Bus Purchase			.0000	[REDACTED]
		Promised Date: 6/4/2021 Project Mgr: [REDACTED] NCTD Part #: [REDACTED] Vendor Part #: [REDACTED] Account Number: [REDACTED] Prime/Sub Name: [REDACTED] Req #: [REDACTED]				G/L Date: 6/4/2021 Work Order: [REDACTED] IFB/RFP Number: NO IFB/RFP # Fed Funds: Y Fiscal Year: [REDACTED] Taxable (Y/N): N Tax Type: U	
Inasmuch as this purchase is made with federal assistance, seller is required to adhere to all applicable Federal Transit Administration (FTA) clauses. Attachment 1 contains all applicable FTA provisions and [REDACTED] Purchase order Terms and Conditions. This order is placed under the provisions of the [REDACTED] (Attachment 2) and the Contractors Proposal (Attachment 3).							
2.000	J	000	BEB Bus Purchase			.0000	[REDACTED]
		Promised Date: 6/4/2021 Project Mgr: [REDACTED] NCTD Part #: [REDACTED] Vendor Part #: [REDACTED] Account Number: [REDACTED] Prime/Sub Name: [REDACTED] Req #: [REDACTED]				G/L Date: 6/4/2021 Work Order: [REDACTED] IFB/RFP Number: NO IFB/RFP # Fed Funds: Y Fiscal Year: [REDACTED] Taxable (Y/N): N Tax Type: U	

Buyer: [REDACTED] Date: 6/8/2021
 Phone: [REDACTED] Email: [REDACTED]

[REDACTED] (RevDateFeb2007)

Step 1: Submit Application

Copy of Request For New Service (Local Utilities)

What's Inside the Document?

- Steps to Request New Service.
- Guidelines and Restrictions.

What You Need to Complete It:

- ✓ Contact your local utility company to confirm what is needed for new service.
- ✓ Review local utility resources and guides.
- ✓ Consult with a licensed electrician to determine whether your panel is appropriately rated for the increased load.

Step 1: Submit Application

Proof of Make Ready

What's Inside the Document?

- Terms and Conditions for Respective IOU.
- Customer Agreement Form signed by the site operator.

What You Need to Complete It:

- ✓ Approved Site Location and Design.
- ✓ Approved Vehicle Acquisition Plan.
- ✓ Agreement to use Approved Charging Equipment.

CHARGE READY TRANSPORT PROGRAM PARTICIPATION AGREEMENT

This Charge Ready Transport Program Participation Agreement (Agreement) sets forth the terms and conditions for Program Participant to participate in the Charge Ready Transport Program. Pursuant to the terms of this Agreement, SCE will (1) install the Infrastructure (as defined herein) at no cost to the Program Participant; and (2) if applicable, remit the Charging Equipment Rebate and the Make-Ready Rebate after all terms and conditions have been met by the Program Participant.

All Program Participants are eligible for no-cost installation of the utility-side and customer-side make-ready infrastructure. Only Program Participants meeting one of the following requirements will be eligible for the Charging Equipment Rebate:

- (1) Program Participant is installing Charging Equipment listed on the Approved Product List (APL) to service transit or school buses;
or
- (2) Program Participant is installing Charging Equipment listed on the APL at a project site that is located in a designated Disadvantaged Community (DAC) and the Program Participant is NOT listed on the Fortune 1000 list.

Program Participant hereby agrees to the following terms and conditions of the Charge Ready Transport Program (the "Program").

Step 1: Submit Application

Site Equipment Manifest

What's Inside the Document?

- Preliminary Quote of Equipment Necessary to Complete Infrastructure Installation.
- Contractor License Number.
- Name of Contractor/Vendor.
- MSRP of Eligible Equipment.

What You Need to Complete It:

- ✓ Coordinate with Vendor to Supply Site Equipment Manifest.

Example Site Equipment Manifest



QUOTE

INVOICE # [REDACTED]
DATE: NOVEMBER 12, 2021

EXPIRATION DATE: February 13, 2022

123 Main Street, San Francisco, CA 94105
Phone [REDACTED]
Email [REDACTED]

PLEASE MAKE CHECK
PAYABLE TO [REDACTED]

CONTRACTOR LICENSE # [REDACTED]

SALESPERSON	JOB	PAYMENT TERMS	DUE DATE
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

QTY	DESCRIPTION	UNIT PRICE	LINE TOTAL
1	Breaker Installation	[REDACTED]	[REDACTED]
1	Transformer Installation	[REDACTED]	[REDACTED]
NA	Conduit and Wiring	[REDACTED]	[REDACTED]
4	150 kW Direct Current Fast Charger Model:	[REDACTED]	[REDACTED]
NA	EVCS Bolt-down	[REDACTED]	[REDACTED]

SUBTOTAL [REDACTED]
SALES TAX [REDACTED]
TOTAL [REDACTED]

Quotation prepared by: [REDACTED]

This is a quotation on the goods named, subject to the conditions noted below: Describe any conditions pertaining to these prices and any additional terms of the agreement. You may want to include contingencies that will affect the quotation.

To accept this quotation, sign here and return: _____

|



Step 2: Provide Supporting Documents



EV Fast Track Funding Lane

EnergIIZE Application Roadmap



Step 1



Step 2



General Documents

- ✓ Proof of Cost Share.
- ✓ Copy of Purchase Order for Infrastructure Equipment.

Site Documents

- ✓ Preliminary Site Plans.

Other Documents

- ✓ Proof of License from General Contractor.
- ✓ Proof of Insurance from General Contractor.
- ✓ EVITP Certification of General Contractor.

Step 2: Provide Supporting Documents

Contractor Proof of License/Insurance

What's Inside the Document?

- Contractor's License Number.
- Business Name.
- Business Address.
- Status of License.
- Contractor's Bond and Insurance Information.

What You Need to Complete It:

- ✓ Coordinate with the General Contractor.
- ✓ Visit the Department of Consumer Affairs Website and Verify License Number with Contractors State License Board (CSLB).

Contractor Proof of License/Insurance

Contractor's License Detail for License # [REDACTED]

DISCLAIMER: A license status check provides information taken from the CSLB license database. Before relying on this information, you should be aware of the following limitations.

- ▶ CSLB complaint disclosure is restricted by law ([B&P 7124.6](#)) If this entity is subject to public complaint disclosure click on link that will appear below for more information. Click [here](#) for a definition of disclosable actions.
- ▶ Only construction related civil judgments reported to CSLB are disclosed ([B&P 7071.17](#)).
- ▶ Arbitrations are not listed unless the contractor fails to comply with the terms.
- ▶ Due to workload, there may be relevant information that has not yet been entered into the board's license database.

Business Information

Business Name →



← Business Address

Entity Corporation
Issue Date 02/11/2019
Expire Date 02/28/2023

License Status

This license is current and active.

Step 2: Provide Supporting Documents

Preliminary Site Plan

What's Inside the Document?

- Address of Infrastructure Site.
- Diagram in Site Plan of Charging Infrastructure.

What You Need to Complete It:

- ✓ General Contractor and Architect Signature.
- ✓ Signed Easement or Right of Access documents.

ELECTRIC VEHICLE CHARGING STATION INSTALLATION

CITY OF AUBURN

MAGNOLIA AVE & TENNIS WAY
AUBURN 95603

APN 002-122-013-000



CALL 811 BY 8:00 AM-5:00 PM
MONDAY 2 WEEKS OUT, WITH A MINIMUM OF 14 CALENDAR DAYS

REVISIONS	
NO.	DESCRIPTION
1	INITIAL RELEASE
2	CITY CORRECTED

GENERAL SYMBOLS AND ABBREVIATIONS	
SYMBOL	DESCRIPTION
(Symbol)	MARK (WITH REVERSE)
(Symbol)	CONCRETE OR SPUR 2 ELECTRIC VEHICLE CHARGING STATION
(Symbol)	CIRCUIT CONCEALED IN CEILING OR WALL, SUPPOSED IN SERVICE MANSION
(Symbol)	CIRCUIT CONCEALED IN FLOOR OR UNDERGROUND
(Symbol)	HORIZONTAL TO PARALLEL
(Symbol)	INDICATED FLEX CONDUIT
(Symbol)	TRANSFORMER
(Symbol)	PULL BOX
(Symbol)	CONDUIT
(Symbol)	BUILDING
(Symbol)	MARK (WITH REVERSE)
(Symbol)	PARALLEL
(Symbol)	EXISTING
(Symbol)	NEW
(Symbol)	EXISTING TO BE REMOVED OR RELOCATED
(Symbol)	UNUSUAL CIRCUMSTANCES
(Symbol)	UNUSUAL CIRCUMSTANCES—WALL IN USE IN SET LOCATIONS WHERE APPLIED TO RECEPTACLES

SHEET LIST	
SHEET NUMBER	SHEET TITLE
C1.0	OWNER SHEET - SYMBOLS, CODE REFERENCES, SCOPE, GENERAL NOTES
E1.0	ONE LINE ORIGINAL PANEL SCHEDULES, AND WIRING SHOP CALCULATIONS
S1.0	SITE PLAN
E3.0	EQUIPMENT DATA SHEETS AND MECHANICAL, ETC.
E4.0	EQUIPMENT DATA SHEETS, CONTINUED

CODE REFERENCES	
2019	CALIFORNIA ELECTRICAL CODE
2019	CALIFORNIA ENERGY CODE
2019	CALIFORNIA FIRE CODE INCLUDING 2019 WITH TO NATIONAL FIRE ALARM CODE AS AMENDED
2019	CALIFORNIA BUILDING CODE (CBC), PARTICULARLY CHAPTER 10A AND 11B FOR ACCESSIBILITY
2019	ADA/AGC/A
2017	ADA 2017
2019	2019 ADA 2017 PARKING LOTS
2019	2019 ADA 2017 WALKWAY

SCOPE	
CONDUIT (2) EXISTING PARALLEL SPACES TO (2) NEW ARE NECESSARY ON CHARGING SPACES. COMPLETE WITH NEW WIRING, RECEPTACLES, PANEL, SERVICE, AND RECEPTACLES FOR NEW RECEPTACLES.	
RECEPTACLES AND WIRING FOR THE INSTALLATION OF NEW STATION	
(1) CONDUIT AND WIRING FOR THE INSTALLATION OF NEW CHARGING STATION (E-VEHICLE-CHG-C-1-C-1)	
(2) WIRING, RECEPTACLES, PANEL, SERVICE, AND RECEPTACLES	
(3) CONDUIT AND WIRING FOR THE INSTALLATION OF NEW CHARGING STATION (E-VEHICLE-CHG-C-1-C-1)	
(4) CONDUIT AND WIRING FOR THE INSTALLATION OF NEW CHARGING STATION (E-VEHICLE-CHG-C-1-C-1)	

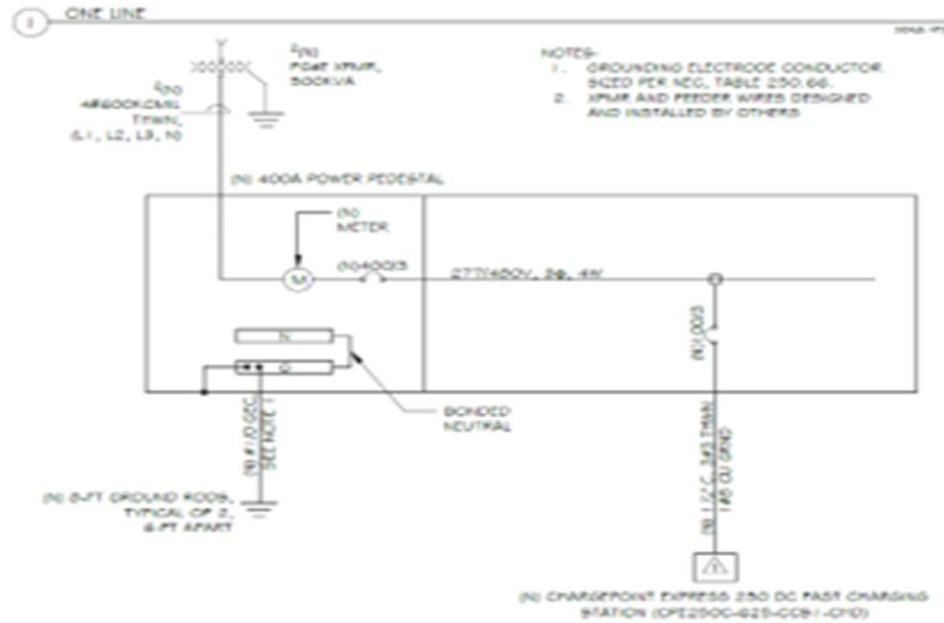
GENERAL NOTES	
1. ALL WIRING SHALL BE COPPER WITH 90°C THERMALLY RATED WIRING INSTALLATION.	
2. ALL WIRING SHALL BE IN CONDUIT OR WEATHER PROOF PLEX.	
3. CONDUIT SHALL BE 1/2" FLEX AND 1/2" AND 3/4" RIGID CONDUIT SHALL BE SUBJECT TO ELECTRICAL DEPARTMENT OR AS NOTED. CONDUIT SHALL BE 1/2" OR 3/4" OR AS NOTED.	
4. CONDUIT SHALL BE 1/2" FLEX AND 1/2" AND 3/4" RIGID CONDUIT SHALL BE SUBJECT TO ELECTRICAL DEPARTMENT OR AS NOTED.	

VICINITY MAP - NOT TO SCALE	
AN OVERVIEW OF THE INSTALLATION LOCATION	

DATE	10/1/2019
SCALE	AS NOTED
DRAWN BY	SM
APP. CITY OF AUBURN	
SHEET	C1.0
	1 OF 5

ELECTRIC VEHICLE CHARGING STATION INSTALLATION
CITY OF AUBURN
MAGNOLIA AVE & TENNIS WAY
AUBURN 95603

Example Preliminary Site Plan



2 VOLTAGE DROP CALCULATION SHEET 1/1

VOLTAGE DROP WORKSHEET (SUPPLEMENT TO FORM NCE-600-6 (REFERENCE DOCUMENT #1))
 $V_D = 1.73 \times I \times \sqrt{3} \times \text{CORRECT FACTOR} \times \sqrt{L \times (R \cos^2 \theta + X \sin^2 \theta)}$
 $I = 100$ Amps, $L = 100$ FT, $R = 0.001$ OHM/FT, $X = 0.0008$ OHM/FT, $\theta = 30$ DEGS

CIRCUIT NO.	VOLTS	PHASE	AMPS	FEEDER SIZE	CONDUCTOR LENGTH (FT)	CONDUCTOR TYPE	A/C CORRECTION FACTOR	PHASE ANGLE (DEGS)	VOLTS DROP	% VOLTAGE DROP	ALLOWED
1	480	3	100	3/4"	100	THHN	1.0	30	1.2	0.25	5

3 PANEL SCHEDULE SHEET 1/1

PANEL 'EX'	DESCRIPTION	POWER PEDestal	SR RATING	SRBWA ENCLURE	NEUTRAL	GROUNDING	NEUTRAL	GROUNDING
1	277/480V, 3Ø, 4W							
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								

PHASE	VA	AMPS
A-N	24000	76.2
B-N	24000	76.2
C-N	24000	76.2

LOAD DESCRIPTION	CONNECTED	DESIGN FACTOR	DESIGN (VA)	DESIGN (AMPS)
NON-COINCIDENTIAL LOAD	-	100%	-	-
COINCIDENTIAL LOAD	42,000	100%	42,000	127
TOTAL	42,000	100%	84,000	254

NOTE: CONDUCTOR SIZES - 100% PER NEC, 80% - MOTOR, 75% - NON-COINCIDENTIAL, 5% - FEEDER, 5% - RECEPTACLE

REVISIONS

NO.	DATE	DESCRIPTION
1		
2		
3		

PHIL HAYES ELECTRIC
 1000 S. 10TH ST.
 SUITE 100
 RICHMOND, CA 94807

ELECTRIC VEHICLE CHARGING STATION INSTALLATION
 CITY OF AUBURN
 MAGNOLIA AVE & TENNESSEE WAY
 AUBURN 95603

DATE: 10/10/20
 SCALE: AS NOTED
 DRAWN: PH
 CHK: CITY OF AUBURN
 SHEET: **E1.0**
 1 OF 6

1 FULL SITE PLAN



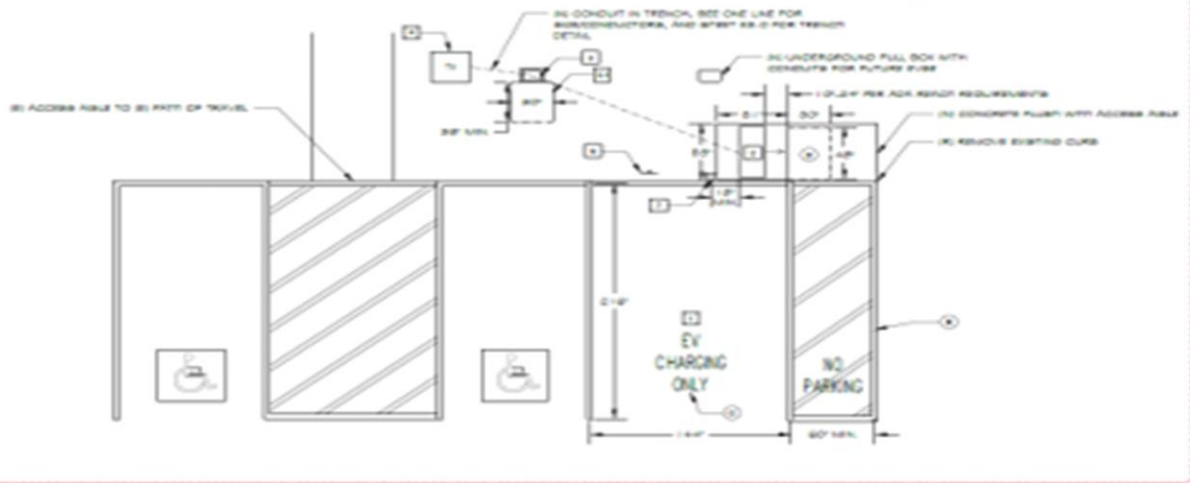
ADD NOTES

- A. INSTALLATION COMPLIES WITH THE 2019 CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY REQUIREMENTS, PARTICULARLY CHAPTER 11B SECTIONS 228.2 AND 8.12.
- B. PROVIDE NEW ADA ACCESSIBLE. THE WORDS "NO PARKING" TO BE PAINTED ON THE SURFACE WITHIN THE ACCESSIBLE IN CONTRASTING LETTERS 1/2" IN HEIGHT. STRIPING TO BE PAINTED IN WHITE 4" THICK AND A MINIMUM OF 8" O.C.. PER CBC 11B-8.1.2.7. VEHICLE SPACES AND ACCESSIBLES SERVING THEM SHALL COMPLY WITH SECTION 11B.8.02. ACCESSIBLES SHALL BE AT THE SAME LEVEL AS THE VEHICLE SPACE THEY SERVE. CHANGES IN LEVEL, SLOPE EXCEEDING 1:48, AND OBSTRUCTIVE SURFACES SHALL NOT BE REQUIRED IN VEHICLE SPACES AND ACCESSIBLES, PER 11B.8.1.2.8.
- C. EV CHARGING ONLY LETTERING ON PARKING SPACES TO BE PAINTED IN WHITE 1/2 INCHES IN HEIGHT.
- D. 30" X 48" MINIMUM SIGN MOUNTING BRIMS, PER CBC 11B.8.1.2.9.
- E. PER CBC 11B.8.1.2.9.4, VEHICLE SPACES AND ACCESSIBLES SHALL BE DESIGNED SO THAT PERSONS LEAVING THEM ARE NOT REQUIRED TO TRAVEL BEYOND VEHICLE SPACES OR PARKING SPACES OTHER THAN THE VEHICLE SPACE IN WHICH THEIR VEHICLE HAS BEEN LEFT TO CHARGE.
- F. PER CBC 11B-8.09.4, GAS PUMP NOZZLES AND ELECTRIC VEHICLE CONNECTORS SHALL NOT BE REQUIRED TO PROVIDE OPERABLE PARTS THAT HAVE AN APPLICABLE FORCE OF 8 POUNDS (32.2 N) TO OPERATIONAL READY STATES SHALL COMPLY WITH FORWARD REACH AND SIDE REACH REQUIREMENTS, PER 11B-5.09.1.
- G. WHERE EV SPACES AND ACCESSIBLES ARE MARKED WITH LINES, MEASUREMENTS SHALL BE MADE FROM THE CENTERLINE OF THE MARKINGS, PER CBC 11B.8.1.2.1.
- H. VEHICLE SPACES, ACCESSIBLES SERVING THEM, AND VEHICULAR ROUTES SERVING THEM SHALL PROVIDE A VERTICAL CLEARANCE OF 88 FEET MINIMUM WHERE PROVIDED. OVERHEAD CABLE MANAGEMENT SYSTEMS SHALL NOT OBSTRUCT REQUIRED VERTICAL CLEARANCE. CBC 11B-8.1.2.4

INSTALLATION NOTES

1. CONVERT TWO EXISTING PARKING SPACES TO NEW VEH ACCESSIBLE EV-CHG SPACE, COMPLETE WITH ACCESSIBLE AND SIGNAGE. REFER TO DETAIL 1 FOR DIMENSIONS. REFER TO 2019 CALIFORNIA BUILDING CODE (CBC) CHAPTER 11B SECTIONS 228.2 AND 8.12 FOR ACCESSIBILITY REQUIREMENTS.
2. NO UNDERGROUND BURNING OR NO NEW CHARGING STATION (CONCRETE, ASBESTOS, ETC.) ON 30" X 48" X 8" CONCRETE PAD, 2" SLAB. REINFORCING TOP OF BRASS.
3. NO POWER PEDestal ON IN CONCRETE PAD. SEE PAD DETAIL ON SHEET ES-0 AND SPECIFICATIONS ON SHEET ES-0.
4. 1" POWER PEDestal WORKING CLEARANCE OF 30" MINIMUM REQUIRED IN FRONT. PER NEC 110.26.
5. NO POLE TRANSDUCER, INSTALLED BY OTHERS.
6. CONTRACTOR TO PROVIDE TRENCHING OR DIRECTIONAL BORING AS APPROPRIATE FOR NEW UNDERGROUND CONDUITS TO POWER PEDestal. CONTRACTOR TO FIELD ROUTE ON SITE, WITH REFERENCE ON DRAWING FOR DEMONSTRATION OF CONCEPT. CONTRACTOR SHALL PERFORM UTILITY LOCATE SERVICE PRIOR TO COMMENCEMENT OF WORK. CALL 811 BEFORE DIGGING.
7. PROVIDE POLE MOUNTED EV AND VEH ACCESSIBLE SIGNAGE. REFER TO SHEET ES-0 FOR SIGNAGE REQUIREMENTS.
8. NO 48" SITE, BOUND IN CONCRETE FOR MECHANICAL PROTECTION.

2 NEW EV PARKING SPACE LAYOUT



REVISION	BY
1. INITIAL RELEASE	SH
2. CITY CORRECTING	SH

PHIL HAUPPT ELECTRIC
LICENSE # 100886
2008 FISH
MONTREAL, LA 70157

PHIL IS A REGISTERED
ELECTRICIAN AND THE WORK
SHOWN ON THESE PLANS WAS
ENTIRELY DESIGNED AND WILL BE
PERFORMED BY PHIL HAUPPT
ELECTRIC. ALL WORK SHALL BE
IN ACCORDANCE WITH THE
CITY OF ALBUQUERQUE CODE FOR
ELECTRICAL.



ELECTRIC VEHICLE CHARGING STATION INSTALLATION
CITY OF ALBUQUERQUE
MADONIA AVE & TENNIS WAY
ALBUQUERQUE 87505

DATE	7/15/24
SCALE	AS SHOWN
DRAWN BY	SH
FOR	CITY OF ALBUQUERQUE
SHEET	E2.0
OF	3



Step 2: Provide Supporting Documents

Proof of Cost Share – Cover Letter and Supporting Documents

What's Inside the Document?

- Disclosure of all public funding sources awarded.
- Demonstrated proof of cost coverage for any non-incentivized project costs.
- The sum of make-ready funding, self-contributions, other external funding sources, and potential EnerGIIZE incentive funds.

What You Need to Complete It:

- ✓ Notices of proposed award.
- ✓ Notice of grant award.
- ✓ Other official documentation indicating an award of funding.

Cost Share Cover Sheet

Cost Share Cover Sheet

Proof of cost share and supporting documentation is required for participation in EnergIIZE. This supplemental information may include such documents as notices of proposed award, notice of grant award, and other official documentation indicating an award of funding. Please use the table below to outline total proposed project costs and attach to this cover sheet supporting documentation including but not limited to:

- Disclosure of all public funding sources awarded.
- Demonstrated proof of cost coverage for any non-incentivized project costs. The sum of make-ready funding, self-contributions, other external funding sources, and potential EnergIIZE incentive funds must be clearly shown as meeting (though not exceeding) total project costs.

Funding Source	Funding Amount
Funding Source 1	Amount of Funding
Funding Source 2	Amount of Funding
Funding Source 3	Amount of Funding

Funding Disclosure Subtotal: _____

Total Proposed Project Cost: _____

Step 2: Provide Supporting Documents

Copy of Purchase Order(s)

What's Inside the Document?

- List of Purchased Equipment.
- Amount of Equipment.
- Cost per Unit.
- Date of Purchase.
- Overall Total.

What You Need to Complete It:

- ✓ Itemized Receipts of Purchases.
- ✓ Invoice Numbers.

Example EVSE Purchase Order

[Redacted]

[Redacted] project using vouchers

[Redacted]

ISSUED: 28-Dec-20

Item#	Units	Item	Description	Unit Price	Total Amount
1	17	Infrastructure inside freezer facility	Install 400 amp breaker then route from switchgear, to 400 amp breaker panel on freezer wall, install 30 amp disconnects at each door (17 total). DC Voltage plugs supplied and installed at doors and cordless pads for trailer legs included.	[Redacted]	[Redacted]
2	9	Infrastructure outside facility in parking lot parking spaces 565, 566, 567, 568, 569, 570, 571, 572	Route 480 volt 400 amp bucket to parking lot in ground by sawcutting/trenching or line bore from pallet jack area in building south corner to bollarded transformers at parking lot (569) lite pole. Run sufficient conduit for future additional 48 spaces. Install in ground cords and pads for 9 DC low voltage parking spaces. Supply and install Industry Standard Assure final testing and provide in service sign off.	[Redacted]	[Redacted]
3	1	Infrastructure maintenance	Route 480 volt power to maintenance dock area for one APU unit	[Redacted]	[Redacted]
4	27	Auxiliary Power Units	480 volt to 45 volt DC power Auxiliary Power Units (APU's)	[Redacted]	[Redacted]
5	27	In ground Pads	Cordless pads 1/2 inch x 24" inset on concrete	[Redacted]	[Redacted]
			Labor portion	[Redacted]	[Redacted]
			Material portion subject to tax	[Redacted]	[Redacted]
			Deposit check	[Redacted]	[Redacted]
			Credit Memo#	[Redacted]	[Redacted]
			CORE vouche	[Redacted]	[Redacted]
			Customer app	[Redacted]	[Redacted]
			Tax on Materials	[Redacted]	[Redacted]
			Total	[Redacted]	[Redacted]

Example EVSE Purchase Order

Invoice
Page: 1

Invoice
Invoice Date:

Bill To:

Ship To:

Due Date 1/12/2021
Terms Net 20 Days

Customer ID
P.O. Number
P.O. Date
Our Order No.
SalesPerson

Item/Description	Unit	Order Qty	Labor/Parts	Quantity	Unit Price	Total Price
Solar Trailer Charger (\$3000 CORE voucher applied)	CH10001	1	EACH	1		
<p>Charger EACH</p> <p>Installation</p> <p>Subtotal</p> <p>Tax Paid</p> <p>Total</p> <p>Less CORE Voucher</p> <p>Total</p>						

Amount Subject to Sales Tax

Amount Exempt from Sales Tax

Subtotal:

Invoice Discount:

Total Sales Tax

Total:



Step 3: Plan Project



EV Fast Track Funding Lane

EnergIIZE Application Roadmap



Step 1

Step 2

Step 3

General Documents

- ✓ Project Plan and Scope of Work, Including Construction Timeline.

Site Documents

- ✓ Copy of Building Permit.

Other Documents

- ✓ California Environmental Quality Act (CEQA) filing.

Step 3: Plan Project

California Environmental Quality Act (CEQA) Filing

What's Inside the Document?

- Overview and purpose of CEQA.
- Information regarding if CEQA review is necessary for your project.
- If project is exempt, Notice of Exemption (NOE) form contains address of infrastructure project and exempt status.

What You Need to Complete It:

- ✓ Determine if your infrastructure project falls under any exemptions from CEQA.
- ✓ If the project does not fall under any exemptions, the applicant will undertake an initial study to determine if the project will result in a significant environmental impact.
- ✓ If project is exempt, complete Office of Planning and Research (OPR) NOE form.

Office of Planning and Research Notice of Exemption

Notice of Exemption

Appendix E

To: Office of Planning and Research
P.O. Box 3044, Room 113
Sacramento, CA 95812-3044

From: (Public Agency):

County Clerk

County of:

(Address)

Project Title:

Project Applicant:

Project Location - Specific:

Project Location - City:

Project Location - County:

Description of Nature, Purpose and Beneficiaries of Project:

Name of Public Agency Approving Project:

Name of Person or Agency Carrying Out Project:

Exempt Status: (check one):

- Ministerial (Sec. 21080(b)(1); 15268);
- Declared Emergency (Sec. 21080(b)(3); 15269(a));
- Emergency Project (Sec. 21080(b)(4); 15269(b)(c));
- Categorical Exemption. State type and section number:
- Statutory Exemptions. State code number:

Reasons why project is exempt:

Lead Agency

Contact Person:

Area Code/Telephone/Extension:

If filed by applicant:

1. Attach certified document of exemption finding.
2. Has a Notice of Exemption been filed by the public agency approving the project? Yes No

Signature:

Date:

Title:

Signed by Lead Agency Signed by Applicant

Authority cited: Sections 21083 and 21110, Public Resources Code.
Reference: Sections 21108, 21152, and 21152.1, Public Resources Code.

Date Received for filing at OPR:

Step 3: Plan Project

Building Permit

What's Inside the Document?

- Applicant name, address, contact information.
- Contractor name, address, contact information, license.
- Property owner name, address, contact information.
- Architect name, address, contact information.
- Description of work and property.

What You Need to Complete It:

- ✓ Coordination with property owner, architect, and contractor.
- ✓ Site Plans.
- ✓ Best Practice: have utility involved in permitting process.

Commercial Building Permit Application

(To be entered by issuing agency)

Parcel #: _____ Permit Number: _____ Intake Person: _____

Project Address & Name:

Street: _____ Suite/Apt #: _____ City: _____ Zip Code: _____

Nearest Cross Street: _____ Business Name: _____

Name of Applicant: _____

Mailing Address: _____ City/State/Zip: _____

Phone: _____ Fax: _____ E-mail: _____

Name of Contractor: _____

Mailing Address: _____ City/State/Zip: _____

Phone: _____ Fax: _____ E-mail: _____

Contractor's License Number: _____ Classification: _____

Name of Owner: _____

Mailing Address: _____ City/State/Zip: _____

Phone: _____ Fax: _____ E-mail: _____

Name of Architect/Engineer: _____ License #: _____

Mailing Address: _____ City/State/Zip: _____

Phone: _____ Fax: _____ E-mail: _____

Nature of Work: New Construction Shell (New) Alteration Demolition Misc. PM&E T.I. (First Time) Commercial Coach

Inspection Disciplines: Building Mechanical Plumbing Electrical Engineering (Check all that apply)

Description of Work:

Number of Stories?	Number of Units?	Type of Construction?	Fire Sprinklered?	Existing Use?	Proposed Use?	Is Building Conditioned?
			<input type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Yes <input type="checkbox"/> No
Square Footages →	New Added Square Footage?	Office Square Footage?	Retail Square Footage?	Warehouse Square Footage?	Roofing Squares?	Square footage Other: _____

Valuation: \$ _____ The applicant for a permit shall provide an estimated permit value at time of application. Permit valuations shall include total value of work, including materials and labor, for which the permit is being issued, such as electrical, gas, mechanical, plumbing equipment and permanent systems. If, in the opinion of the building official, the value is underestimated on the application, the permit shall be denied, unless the applicant can

Example Building Permit



Step 4: Initiate Construction



EV Fast Track Funding Lane

EnergIZE Application Roadmap



General Documents

- ✓ Pictures showing installation of Serialized Electric Vehicle Supply Equipment (EVSE), meter mains, transformers, and Americans with Disabilities Act (ADA) Compliance.

Site Documents

- ✓ Copy of Signed Inspections Sheet and Closed Building Permit.

Step 4: Initiate Construction

Verification Pictures

What's Inside the Document?

- ❑ Photos of installed equipment.

What You Need to Complete It:

- ✓ Pictures showing
 - ✓ Installation of Serialized Electric Vehicle Supply Equipment (EVSE)
 - ✓ Meter Mains
 - ✓ Transformers
 - ✓ Americans with Disabilities Act (ADA) Compliance
- ✓ Pictures showing serial numbers on the installed equipment.

Example Pictures



Example Pictures



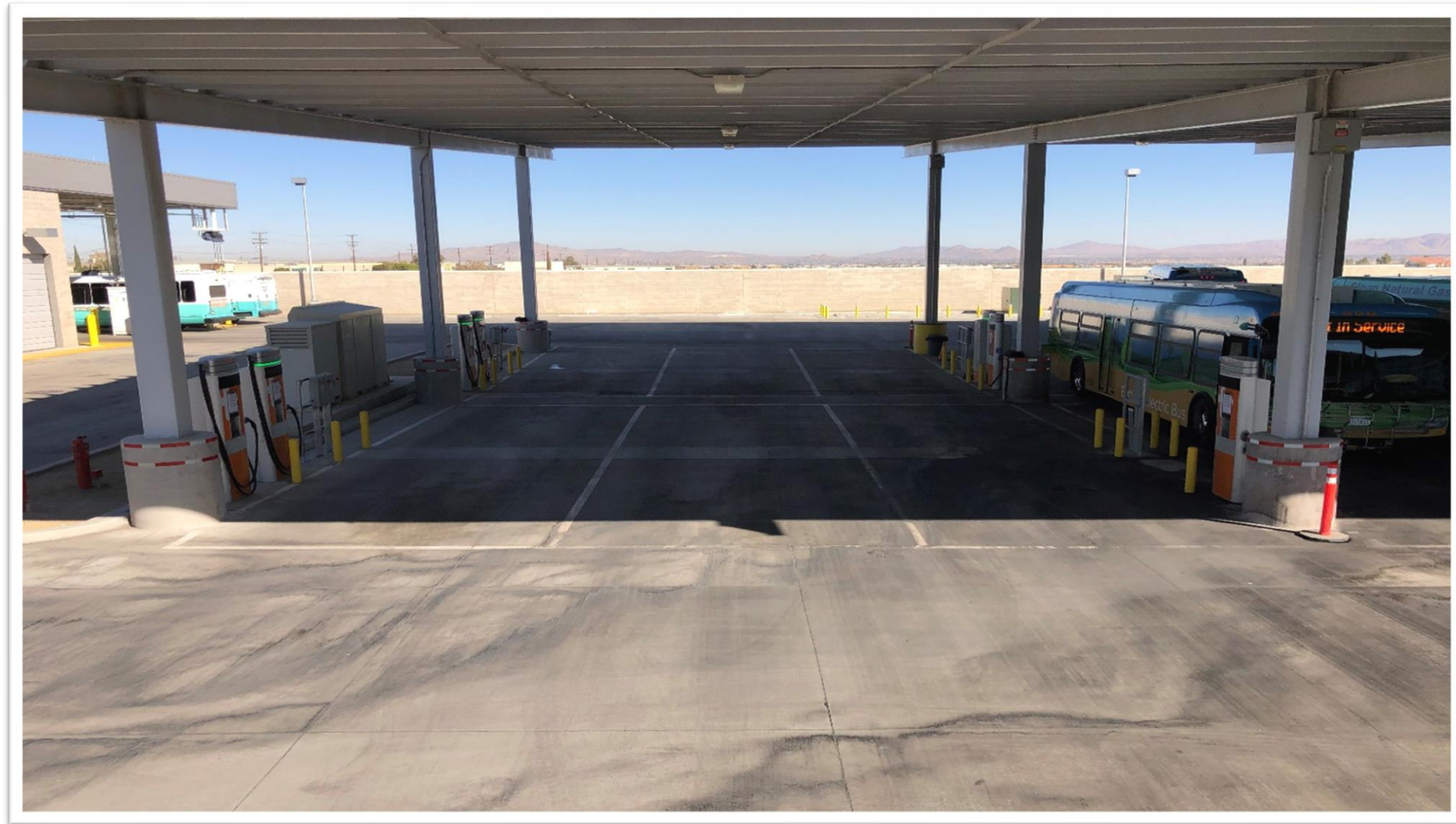


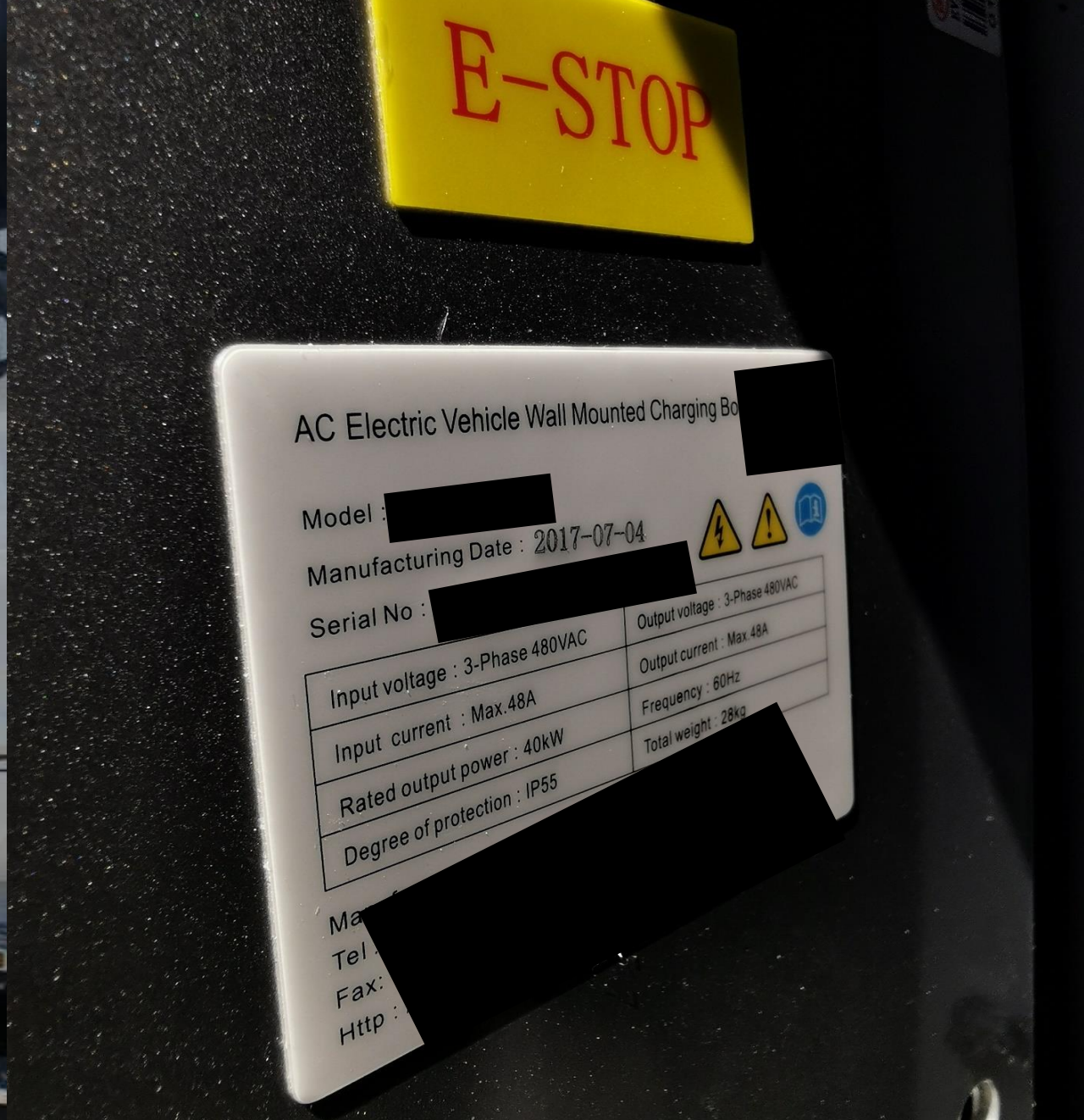
Photo of Rectifier Hardware 4 cabinets, each serves 2 x electrolyzer stacks. Far left cabinet for stacks G and H.

Example Pictures



Example Pictures





AC Electric Vehicle Wall Mounted Charging Box

Model : [REDACTED]
Manufacturing Date : 2017-07-04
Serial No : [REDACTED]



Input voltage : 3-Phase 480VAC	Output voltage : 3-Phase 480VAC
Input current : Max.48A	Output current : Max.48A
Rated output power : 40kW	Frequency : 60Hz
Degree of protection : IP55	Total weight : 28kg

Ma : [REDACTED]
Tel : [REDACTED]
Fax : [REDACTED]
Http : [REDACTED]

Step 4: Initiate Construction

Copy of Signed Inspections Sheet and Closed Building Permit

What's Inside the Document?

- Parcel Number.
- Permit Number.
- Address of Infrastructure Site.
- Contractor Information.
- Architect/Engineer Information.
- Description of Work.

What You Need to Complete It:

- ✓ Coordination with property owner, architect, and contractor.



Step 5: Commission Project



EV Fast Track Funding Lane

EnergIIZE Application Roadmap



General Documents

- ✓ Copy of Verification of Third-Party Network Provider Communications.
- ✓ Verification of 4G Cell Activation and IP Registration.
- ✓ Verification of Refueling/Recharging.
- ✓ For EVSEs: RSA certification of Level 2 Charging (where necessary).
- ✓ Copies of final invoices.

Step 5: Commission Project

Copy of Third-party Network Provider Communications Contract

What's Inside the Document?

- Confirmation of network activation.

What You Need to Complete It:

- ✓ 4G cell phone activation.
- ✓ IP registration.

Step 5: Commission Project

Verification of Recharging

What's Inside the Document?

- Confirmation of chargers are in working order.

What You Need to Complete It:

- ✓ The owner / operator shall charge an EV as part of the site equipment verification process.

Step 5: Commission Project

Copies of All Invoices Are Submitted

What's Inside the Document?

- Address of Infrastructure Site.
- Date of transaction.
- Installed Infrastructure.

What You Need to Complete It:

- ✓ Complete invoices.

BTCPOWER

www.btcpower.com

Broadband TelCom Power, Inc.
1719 S. Grand Ave
Santa Ana, CA 92705
USA

Tel.: (714)-259-4888
Fax: (714)-259-7998
E-mail: sales@btcpower.com
http://www.btcpower.com

Invoice

Sold To: [REDACTED]

Ship to: [REDACTED]

Sales Order Number: [REDACTED]

Invoice Number: [REDACTED]

Invoice Date: Mar 28, 2018

Example Invoice

Customer ID	Customer PO	Payment Terms	
[REDACTED]	[REDACTED]	Net 30 Days	
Sales Rep ID	Shipping Method	Ship Date	Due Date
[REDACTED]	Best Way		4/27/18

Quantity	Item	Description	Unit Price	Extension
1.00		Serial Number: EVFC-PXML-032018-480-0002	[REDACTED]	
1.00		DCFC - 50kw - Single Port (CHAdeMO)	[REDACTED]	
1.00		480VAC	[REDACTED]	
		Packaging and Crating	[REDACTED]	
		Update Display	[REDACTED]	

Subtotal [REDACTED]
Sales Tax [REDACTED]
Freight [REDACTED]
TOTAL [REDACTED]

EV Fast Track: Application Checklist

Applicants Must Provide The Following Documents Before The EV Fast Track Funding Lane Deadline.
After This Stage, Applicants Will Be Notified If They Successfully Secured Funding.



- 1 EnergIIZE Application Form
- 2 Site Verification Form
- 3 Signed Copy of EnergIIZE Applicant Terms and Conditions
- 4 Proof of Participation in Investor-Owned Utility (IOU) Make Ready Programs (if applicable)

EV Fast Track: Application Checklist (Continued)

Applicants Must Provide The Following Documents Before The EV Fast Track Funding Lane Deadline.
After This Stage, Applicants Will Be Notified If They Successfully Secured Funding.



- 5 Copy of Request for New Service from Utility (if applicable)
- 6 Site Equipment Manifest
- 7 **Proof of Zero Emission Vehicle (ZEV) Ownership, or Purchase Order for medium- and heavy-duty (MD/HD) ZEV(s) receiving State or Federal Incentives**
- 8 EV Jump Start Certification Form (if applying for additional incentive funding)



Website Demo

Website Is Live at [EnergIIZE.org](https://energize.org)

- Infrastructure Readiness Center (IRC)
- Implementation Manual
- Resources
- Upcoming Events
- And More



About EnergIIZE

EnergIIZE Commercial Vehicles (Energy Infrastructure Incentives for Zero- Emission Commercial Vehicles) is the nation's first commercial vehicle fleet infrastructure incentive project. Funded by the California Energy Commission's Clean Transportation Program and implemented by CALSTART, EnergIIZE provides incentives for zero-emission vehicle (ZEV) infrastructure equipment for medium- and heavy-duty battery electric and hydrogen fuel cell vehicles in California. The project provides a user-friendly and streamlined process for participation by breaking down infrastructure deployment barriers through targeted incentives and specialized assistance.



Q&A

You Might Have These Questions

Q: *When does the EV Fast Track lane open for applicants?*

A: Applications will be accepted on a first come, first serve basis later in Q1 of 2022.

Q: *How much time do I have to gather documents?*

A: Once EV Fast Track applicants have been provided with their notice of conditional award after completion of Step 1, they will then have 60 days to provide the information in Step 2.

Q: *If I have questions before launch of EV Fast Track, what is best way to get these questions answered?*

A: Contact infrastructure@CALSTART.org.

Contact Us



877-ENR-GIZE
877-367-4493



infrastructure@CALSTART.org



EnerglIZE.org



48 S Chester Ave
Pasadena, CA 91106