# **Request for Proposal:**

# CONTRACTOR to Supply & Install Electric Vehicle Charging Infrastructure Project: Ecosystem of Shared Mobility | Valley GO

Proposals Due by September 6, 2018 5:00 P.M. (PST)

**Electronic Submission ONLY** 

**Issued by:** Sigala Inc. **RFP No:** ESMGO

Release Date: August 13, 2018
Closing Date: September 6, 2018

**RFP Contact:** Name: Jennifer Khy, Assistant Project Manager

Company: Sigala Inc

Address: 2525 Alluvial Avenue, Suite 281, Clovis, CA 93611

**Phone:** 559-355-8644 **Fax:** 559-314-6015

Submittal Email: Jennifer@sigalainc.com

Proposals must be received **electronically** via email no later than 5:00 p.m. (PST) on September 6, 2018 at the email address listed above. Sigala Inc will not be responsible for late or lost bids or accept bids that fail to be delivered to the email address listed above by the time and date listed above. Any costs incurred in the preparation of this RFP are the responsibility of the supplier.

#### I. PURPOSE

The purpose of this Request for Proposal (RFP) is to obtain bids from potential contractors ("Contractor") who can supply and install electric vehicle charging equipment ("EVSE") for battery electric vehicles ("BEVs") at six (6) multi-unit dwellings located in Kern and Tulare counties. Contractor will need to supply and install EVSE, according to specifications, and manage "make-ready" construction at all six (6) locations. The successful bidder will be required to enter into a formal agreement with Sigala Inc for the purposes of completing the specified work according to this RFP. The contract may be extended to include additional EVSE to be installed at additional sites in Kern and Tulare counties, dependent upon market demand and availability of remaining grant funds in budget.

#### II. BACKGROUND INFORMATION

The San Joaquin Valley Air Pollution Control District ("SJVAPCD") and partners have been awarded a grant from the California Air Resources Board ("CARB") to implement a Car Sharing and Mobility Options Pilot Project. Funding is provided by the Low Carbon Transportation program and is part of California Climate Investments, a statewide program that puts Cap-and-Trade dollars to work reducing greenhouse gas (GHG) emissions, strengthening the economy and improving public health and the environment—particularly in disadvantaged communities.

This project involves the installation of EVSE and all "make-ready" construction at multi-unit dwellings owned and managed by Self-Help Enterprises ("SHE") in Kern and Tulare counties to be used by a fleet of BEVs for a carsharing and ride-hailing pilot program. The purpose of this project is to offer an alternative mode of transportation and encourage the use of clean cars in disadvantaged communities.

# III. SCHEDULE OF EVENTS

Milestone	Estimated Timeline	
RFP Release Date	Mon., August 13, 2018	
Installation Sites Available to Interested Bidders to	Tues., August 28 & Wed., August 29, 2018	
Perform Independent Site Survey	9:00 a.m. – 3:00 p.m. (PST)	
Q&A Posting Period	Mon., August 13, 2018 – Tues., September 4, 2018 at	
	5:00 P.M (PST)	
RFP Closing Date	Thurs., September 6, 2018 at	
	5:00 P.M (PST)	
Evaluation and Selection Process	Fri., September 7, 2018 – Tues., September 11, 2018	
Interviews with Select Applicants (via video-conference)	Mon., September 17, 2018	
Contract Award Notification	COB Tues., September 18, 2018	
Contract Negotiation Process	Wed., September 19, 2018 – Fri., October 5, 2018	
Phase 1:	Mon., October 8, 2018 – Fri., December 14, 2018	
Permitting, Construction, and EVSE Installation		
Potential Phase 2:	Mon., December 17, 2018 – Thurs., February 28, 2019	
Permitting, Construction, and EVSE Installation		

#### IV. SCOPE OF WORK

This RFP includes the supply and installation of eleven (11) Level 2 dual-port chargers, including providing, installing or subcontracting all required electrical infrastructure, equipment, services, and installation at six (6) multi-unit dwelling locations. Bidders' response will need to include costs for purchase and installation of chargers, including all necessary "make-ready" costs, in all charging locations to be considered. "Make-ready" includes, but is not limited to: installation of all necessary electrical infrastructure to operate the charging stations, all necessary conduit and wire pulled to the station locations, all necessary concrete work to properly mount the station(s), and any cellular repeaters (if required). Only one contractor will be hired to perform all specified work at all locations.

# **Site Preparation and Installation of Equipment**

Interested bidders will have the opportunity to perform an independent site walk at all charging site locations in preparation of responding to this RFP. Contractors, vendors, and necessary parties will be given access to all sites on Tuesday, August 28, 2018 and Wednesday, August 29, 2018 between the hours of 9:00 A.M to 3:00 P.M. (PST). It is the due diligence of the bidder to identify all necessary site preparation work at each charging site to install all EVSE. All questions that arise during the site survey should be directed in writing via email to <a href="mailto:Jennifer@sigalainc.com">Jennifer@sigalainc.com</a>.

#### All parties must RSVP for their site survey by contacting:

Patrick Isherwood
Self-Help Enterprises, Director of Asset Management
Patricki@selfhelpenterprises.org or 559-802-1696

#### Responsibilities of Contractor include, but are not limited to:

- a. Contractor will be required to obtain the necessary permits to install chargers.
- b. Contractor will be required to complete all site preparation work, including but not limited to: trenching; installation of conduit and electrical wire; potential upgrade of existing electrical infrastructure including panel additions and transformer replacements, if necessary; parking lot striping and modifications; and installation of EVSE including potential work to concrete/sidewalk to affix EVSE pedestal mount according to specifications.
- c. Contractor will be required to install a separate PG&E or SCE meter for EVSE at each site.

  It is the due diligence of the bidder to identify electrical and capacity needs for this new meter, and Contractor should assume these costs in their bid for all (6) sites.
- d. Contractor may be required to install a separate third-party EV Charging Station Energy and Activity Monitoring System at each site during the installation of EVSE. Refer to *Attachment B* for the installation details for this system. It is the due diligence of the bidder to identify all work required and related labor costs to install this hardware.
- Contractor should ensure that the provisions for safety controls for the entire installed system will
  meet or exceed industry standards and will be compliant with all applicable building and electrical
  codes.
- f. Contractor is required to understand and follow installation and accessibility specifications within the Americans Disabilities Act.

# **Required EVSE Unit Specification**

The EV Charger(s) must:

- a. Be a hardwired AC Level 2 charger
  - Supply voltage: 240 VAC;
  - ii. Branch Circuit Break Rating (Amps): 40 A per charger;
  - iii. Approximate Charging Power: Up to 15.4 kW (two ports charging simultaneously)
- b. Have two separate charging ports originating from a single charger pedestal to be considered a dual port charger
- c. Be pedestal mounted
- d. Be UL listed (certified by Underwriters Laboratories, Inc.)
- e. Meet the SAE J1772 standard
- f. Be OCPP 1.6 (or equivalent) compliant
- g. Have cord sets that are at least 18 feet long, preferably 25 feet long, to accommodate charging ports in the front, side, or back of the vehicle.
- h. Have Access Control Options, preferably a key fob, to provide the ability to restrict access to EVSE
- Have the ability to be multifunctional if Networking is not required (unit can add Networking at a later date)

# **Desired EVSE Unit Specification**

a. Credit card swipe capability to accept payment with Point-of-Sale system

# **Required Networking Performance**

An electric vehicle charging network <u>may be desired</u> at the time of EVSE installation or added on at a later date. If a network feature is desired, the network must:

- a. Have the ability to be controlled and operated by EVSE owner/staff.
- b. Have an open source protocol for payment. Payment Options must provide ability to set rates either per user, per session, per month or by electricity usage, and/or based on time of day or real time electricity pricing.
- c. Have Energy Management options, including:
  - i. Ability to adjust power to chargers or turn off or ramp down chargers when needed for demand response
  - ii. Ability to monitor energy usage of the EVSE
  - iii. Ability for chargers to adjust energy to vehicles based on overall power usage of EVSE
  - iv. Ability to integrate with building energy management systems

## **Installation Sites**

Contractor should supply and install EVSE, and perform all site preparation work at the following locations\*:

Communi	ty	Address	County	No. of Dual-
* Refer to Attachment A for maps of specific charger				Port
locations at each of these sites.				Chargers
Phase 1 – All work to be	Sierra Village	1375 N Crawford Ave	Tulare	1
completed no later than		Dinuba, CA 93618		
December 14, 2018	Highland	2423 N Highland St	Tulare	2
	Gardens	Visalia, CA 93291		
	Sandcreek	41020 Road 124	Tulare	2
		Orosi, CA 93647		
	Caliente Creek	909 Meyer Street	Kern	2
		Arvin, CA 93203		
	Sunrise Villa	1600 Poplar Avenue	Kern	2
		Wasco, CA 93280		
	Almond Court	801 Almond Court	Kern	2
		Wasco, CA 93280		
Phase 2 – Potential work	TBD			
to be completed no later				
than February 28, 2019				

Contractor should have the ability to work simultaneously at multiple site locations to meet a **completion date of no later than December 14, 2018**. Completion of work at Sierra Village and Highland Garden sites should be prioritized before all other sites, with a desired completion date of November 30, 2018. Work may be extended to include additional EVSE and installation at additional sites in Kern and Tulare counties for a potential Phase 2 of the project.

Sigala Inc reserves the right to add and/or remove any installation sites and alter the number of EV Chargers identified in this RFP during the contract negotiation process.

# Required Warranty & Maintenance Plan

- a. <u>Specifications</u>: EVSE hardware manufacturer shall include a written warranty that, for a period of at least three (3) years following installation of EVSE, the hardware providers must work with the installer to meet the requirements listed above and will comply with the performance specifications listed hereinafter. If there is a failure of the EVSE during the warranty period, the hardware provider shall agree to replace such components or parts within 72 hours of notification of the installer or Sigala Inc During the first two years following installation, the installer shall agree to make no charge for this service.
- b. <u>Field Service</u>: In the event of an EVSE malfunction that cannot be resolved by routine servicing procedures, the installer shall agree to place EVSE into proper operating condition within seven days after the arrival of service personnel or to provide an operational, equivalent EVSE within the same seven-day period for use as a substitute until the original EVSE has been repaired. During the first two years following installation, the installer shall agree to make no charge for this service.

## V. PROPOSAL FORMAT

#### a. Cover Letter

- i. Brief description of project team and related qualifications.
- Number of EVSE installations completed to date by the vendor's electrical contractor and/or the contractor's electricians.
- iii. Contact information of the person who is authorized to negotiate contract terms and render binding decisions on contract matters.

#### b. Qualifications

- i. Describe the technical capabilities of the firm. Provide a brief statement of qualifications of the lead person and all persons assigned to the project. List all key personnel assigned to the project, and describe their role in the project.
- ii. This project may require expertise in multiple technical areas. List any subcontractors that may be used and the work to be performed by them.
- iii. Include in your proposal any EVSE-specified trainings or certifications that the proposer's electrical contractor and/or the contractor's electricians have completed, if applicable (e.g., Electric Vehicle Infrastructure Training Program (EVITP) or UL training).
- iv. Provide three (3) references of other similar projects performed demonstrating the ability to successfully complete the project. Include contact name, title, and telephone number for any references listed.

#### c. Project Timeline

- i. Provide a timeline for proposed schedule of work and phased milestones for completion of Phase 1, based on a start date of October 8, 2018 and completion date of no later than December 14, 2018. Completion of work at Sierra Village and Highland Garden sites should be prioritized.
- ii. Timeline should also include proposed schedule of work and phased milestones in the window of December 17, 2018 through February 28, 2019 for a potential Phase 2 of project, to include six (6) additional EV Chargers, construction, and installation at two (2) or more sites.

#### d. EVSE Hardware & Network

a. Provide a specification sheet for hardware that will be installed. Describe complete attributes of EVSE including access control, payment, and energy management options; capabilities of Networking service; and warranty and maintenance plan. Include pictures of the exact make and model of select EV Charger to be installed.

# e. Cost Proposal

- i. Provide a **separate cost sheet for <u>each</u> installation site**. All cost proposals must include State prevailing wages. Each site cost sheet should include the following:
  - a. A detailed summary of all work to be performed at the site;
  - b. Price breakdown for electrical/construction, labor and material, including but not limited to, project management and site planning; engineering and designing for any necessary permit acquisitions; electrical equipment upgrades; parking lot modifications; related construction work; and EVSE installation; and

- c. All costs associated with installing a separate PG&E or SCE meter for EVSE
- ii. Provide a **separate cost sheet for EV Chargers**. Hardware pricing should be separate from any service and installation costs.
  - a. Provide cost option for networked charger and non-networked charger (networked may be desired at a later date)
  - b. Include cost for 3-year warranty and maintenance plan for continued reliable operation and unforeseen breakdowns of the charging infrastructure
  - c. Include all costs associated with attributes of EVSE including access control, payment, and energy management options
- iii. Provide a **separate cost option sheet** with the following:
  - a. 1-year network plan option
  - b. 3-year network plan option
  - c. Credit card swipe feature, if available
  - d. Installation of third-party EV Charging Station Energy and Activity Monitoring System. Sigala Inc will purchase and supply this device for all sites. Proposer should provide labor cost for this add-on feature. See *Attachment B* for installation details.

## VI. INSTRUCTIONS FOR SUBMITTAL

- a. All proposals must be received by Sigala Inc no later than 5:00 P.M. (PST) on September 6, 2018. Proposals should be delivered to the attention of Jennifer Khy at Jennifer@siglainc.com
- b. All proposals must be received in PDF format via e-mail with subject line "ESMGO: *Proposing Company Name*"
- c. Late proposals will not be considered
- d. All proposals, whether selected or rejected, shall become the property of Sigala Inc
- e. Cost of preparation of proposal shall be borne by the proposer
- f. Proposals must be signed by an authorized employee in order to receive consideration
- g. Sigala Inc will not be responsible for proposals delivered to a person/address other than specified herein
- h. Sigala Inc reserves the right, but has no corresponding obligation, to cancel this request for qualifications and re-issue it or to waive any irregularity in connection with any proposal tendered to Sigala Inc
- i. Once submitted, proposals cannot be altered without the prior written consent of Sigala Inc
- j. All proposals shall constitute firm offers and may not be withdrawn for a period of ninety (90) days following the last day to accept proposals.

# VIII. AWARD CRITERIA & SELECTION PROCESS

Sigala Inc is using a competitive negotiation process, wherein the experience of each proposer is evaluated as it relates to the scope of work and grant purposes. An evaluation committee will review and rate submitted proposals using the following criteria and rating schedule:

#### a. Evaluation Criteria

EVALUATION CRITERIA	RATING POINTS
Cost Proposal	40
EVSE Specification Requirements	25
References/History of Installations	10
Timing & Schedule	10
Warranty of Work	10
Completeness of Bid	2.5
Compliance with Bid Format	2.5
TOTAL	100

- b. Top three (3) proposing firms will be contacted for a videoconference interview
- c. Sigala Inc will then exercise its discretion in selecting a firm and will negotiate and contract with said firm based on available contract funds
- d. Sigala Inc reserves the right to reject any or all proposals, to waive minor irregularities in said proposals, to negotiate minor deviations with the successful firm, or to select any firm without an interview

# X. INSURANCE REQUIREMENTS

If selected, the respondent will be required to maintain sufficient insurance, licenses, or other required certifications for the type of work being performed. Sigala Inc may require specific insurance coverage be established and maintained during the course of the work and as a condition of the award or continuation of contract.

In addition, Contractor will be required to provide copies of all insurance policies and accept and comply with the Grantee insurance requirements and provisions pursuant to the Grant contract executed between CARB and SJVAPCD as provided below:

"Grantee must comply with all requirements outlined in the General Provisions and Grant Insurance Requirements outlined in this section. No payments will be made under this Grant until Grantee fully complies with all insurance requirements.

#### **General Provisions Applying to All Parties**

- a. <u>Coverage Term</u>: Coverage needs to be in force for the complete term of the Grant. If insurance expires during the term of the Grant, a new certificate must be received by the State at least ten days prior to the expiration of this insurance. Any new insurance must comply with the original Grant terms.
- b. Policy Cancellation or Termination & Notice of Non-Renewal: Grantee is responsible to notify the State within five business days of any cancellation, non-renewal or material change that affects required insurance coverage. New certificates of insurance are subject to the approval of the Department of General Services and Grantee agrees no work or services will be performed prior to obtaining such approval. In the event Grantee fails to keep in effect at all times the specified insurance coverage, the State ma, in addition to any other remedies it may have, terminate this Grant upon the occurrence of such event, subject to the provisions of this Grant.
- c. <u>Premiums, Assessments and Deductibles</u>: Grantee is responsible for any premiums, policy assessments, deductibles or self-insured retentions contained within their insurance program.
- d. <u>Primary Clause</u>: Any required insurance contained in this Grant shall be primary, and not excess or contributory, to any other insurance carried by the State.
- e. <u>Insurance Carrier Required Rating</u>: All insurance companies must carry an AM Best rating of at least "A-" with a financial category rating of no lower than VI. If Grantee is self-insured for a portion or all of its insurance, review of financial information including a letter of credit may be required.
- f. <u>Endorsements</u>: Any required endorsements requested by the State must be physically attached to all requested certificates of insurance and not substituted by referring to such coverage on the certificate of insurance.
- g. <u>Inadequate Insurance</u>: Inadequate of lack of insurance does not negate Grantee's obligations under the Grant.
- h. <u>Satisfying an SIR</u>: All insurance required by this contract must allow the State to pay and/or act as the contractor's agent in satisfying any self-insured retention (SIR). The choice to pay and/or act as the contractor's agent in satisfying any SIR is at the State's discretion.

- i. <u>Available Coverages/Limits</u>: All coverage and limits available to the contractor shall also be available and applicable to the State.
- j. <u>Use of Subcontractor</u>: In the case of Grantee's utilization of Subcontractors to complete the Grant scope of work, Grantee shall include all Subcontractors as insured under Grantee's insurance or supply evidence of Subcontractor's insurance to the State equal to policies, coverages, and limits required of Grantee.

#### **Grant Insurance Requirements**

Grantee shall display evidence of the following on a certificate of insurance evidencing the following coverages:

- a. Commercial General Liability: Grantee shall maintain general liability on an occurrence form with limits not less than \$2,000,000 per occurrence for bodily injury and property damage liability. Grantee shall maintain general liability on an occurrence form with limits not less than \$1,000,000 per occurrence for bodily injury and property damage liability combined with a \$2,000,000 annual policy aggregate. A "per project aggregate" endorsement is required. The policy shall include coverage for liabilities arising out of premises, operations, independent Grantees, products, completed operations, personal & advertising injury, and liability assumed under an insured contract or grant. This insurance shall apply separately to each insured against whom claim is made or suit is brought subject to Grantee's limit of liability. The policy must name the State of California, its officers, agents, and employees as additional insured, but only with respect to work performed under the Grant.
- b. <u>Automobile Liability</u>: Grantee shall maintain business automobile liability insurance as broad as Form CA0001 for limits not less than \$1,000,000 combined single limit. Such insurance shall cover liability arising out of any and all motor vehicles owned, hired or non-owned. "Any Auto" symbol 1 is required.
- c. Workers Compensation and Employers Liability: Grantee shall maintain statutory worker's compensation and employer's liability coverage for all its employees who will be engaged in the performance of the Grant. In addition, employer's liability limits of \$1,000,000 are required. If applicable, Contractor shall provide coverage for all its employees for any injuries or claims under the U.S. Longshoremen's and Harbor Workers' Compensation Act, the Jones Act or under laws, regulations, or statutes applicable to maritime employees. By signing this contract, Contractor acknowledges compliance with these regulations. A waiver of Subrogation or Right to Recover endorsement in favor of the State of California must be attached to certificate."

#### XII. PREVAILING WAGES

Contractor shall comply with state prevailing wage law, Chapter 1 of Part 7 of Division 2 of the Labor Code, commencing with Section 1720; and Title 8, California Code of Regulations, Chapter 8. Subchapter 3, commencing with Section 16000, for all construction, alteration, demolition, installation, repair or maintenance work over \$1,000 performed under Contract. Contractor obligations under prevailing wage laws include without limitation: pay at least the applicable prevailing wage for public works activities performed on the Contract; comply with overtime and working hour requirements; comply with apprenticeship obligations; comply with payroll recordkeeping requirements; and comply with other obligations as required by law. Contractor shall submit to Sigala, Inc. a certificate signed by Contractor and its subcontractors performing any of the work described in resultant contract, stating that prevailing wages are paid as required by law. Contractor shall indemnify, defend and hold harmless Sigala, Inc. against any and all claims, demands, damages, defense costs or liabilities based on failure to adhere to the above referenced statutes.

## XIII. TERMINATION

In the event the Grant is terminated for whatever reason, Sigala Inc reserves the right to terminate any agreement with the Contractor.

#### XIV. INDEMNIFICATION

The selected Contractor agrees to indemnify, defend and hold harmless Sigala Inc and its officers, employees, agents, representatives, and successors-in-interest against any and all liability, loss, and expense, including reasonable attorneys' fees from any and all claims for injury, actions, lawsuits, administrative proceedings or damages arising out of or associated with the performance by the Contractor, tort, action or inaction, error in judgment, act of negligence, intentional tort, mistakes or other acts taken or not taken by the Contractor, its employees, agents, invitees, guests or anyone acting in concert with or on behalf of Contractor arising out of the performance of installation and/or operation of the EVSE and out of the operation of any equipment that is purchased in the performance of the agreement between the parties.

## XV. INQUIRY

There will be an open Q&A period beginning August 13, 2018 and ending on September 4, 2018 5:00 P.M. (PST). During this period, Sigala Inc will record and provide answers to any questions or requests to clarify information about the RFP. All Q&A's will be published publicly online via online <a href="http://sjvcogs.org/valleygo-evse-qa/">http://sjvcogs.org/valleygo-evse-qa/</a>. It is the responsibility of the prospective proposer monitor updates.

Direct all inquires regarding this RFP in writing, via email to:

Jennifer Khy
Sigala Inc., Assistant Project Manager
Jennifer@sigalainc.com

SIGALA INC. REQUEST FOR PROPOSAL ECOSYSTEM OF SHARED MOBILITY | VALLEY GO CONTRACTOR FOR EVSE & INSTALLATION

This page is intentionally left blank

SIGALA INC REQUEST FOR PROPOSAL ECOSYSTEM OF SHARED MOBILITY | VALLEY GO CONTRACTOR FOR EVSE & INSTALLATION

# **Attachment A:**

**Installation Sites** 

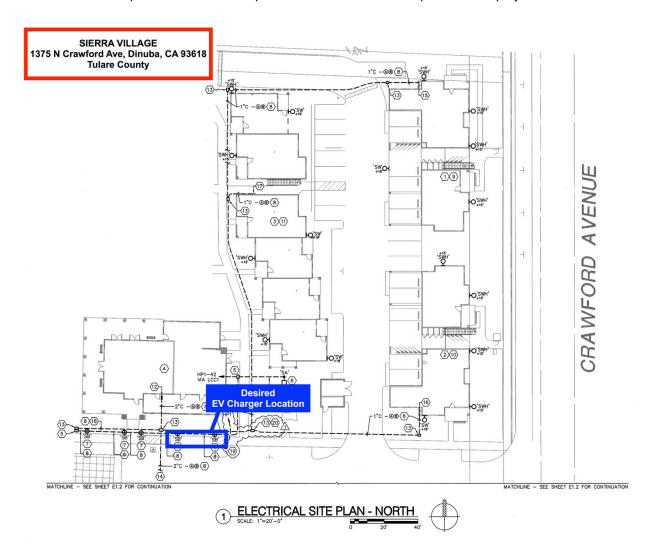
Below highlights the general area of the desired location for the EV charger(s) at each site. If identified, please include in the proposal (as a recommendation) any other locations on site that may be more cost effective to place EV charger(s). Each sites' Site and Electrical Plan will be made available in the community rooms during the site walk on Tuesday, August 28, 2018 and Wednesday, August 29, 2018.

Sierra Village: 1375 N Crawford Ave, Dinuba 93618

No. of Charger(s): 1

No. of Dedicated EV Parking Spaces: 2

<u>Note</u>: Sierra Village may have make-ready work complete. It is the due diligence of the bidder to verify this or identify any necessary make-ready work and related costs in the proposal. Complete installation at this site should be prioritized. Work completed at this site should be prioritized in project timeline.



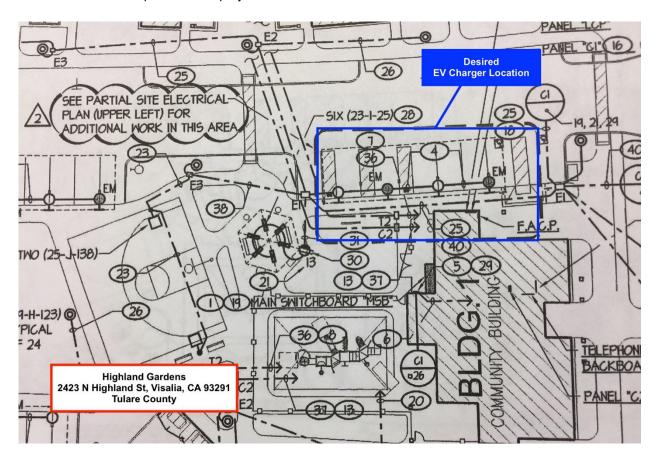
<sup>\*</sup>The electrical panel servicing the EV Charger(s) is located in the community room adjacent to the proposed EV charging site location.

Highland Gardens: 2423 N Highland St, Visalia, CA 93291

No. of Charger(s): 2

No. of Dedicated EV Parking Spaces: 4, including 1 ADA accessible

<u>Note</u>: Highland Gardens may have make-ready work complete. It is the due diligence of the bidder to verify this or identify any necessary make-ready work and related costs in the proposal. Work completed at this site should be prioritized in project timeline.

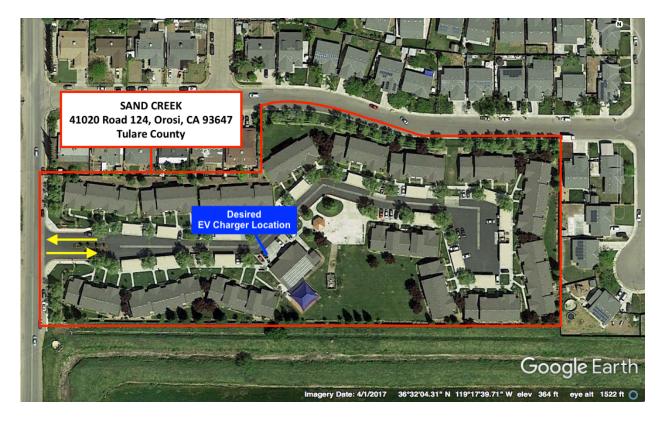


<sup>\*</sup>The electrical panel servicing the EV Charger(s) is located in the community room adjacent to the proposed EV charging site location.

SIGALA INC.
REQUEST FOR PROPOSAL
ECOSYSTEM OF SHARED MOBILITY | VALLEY GO
CONTRACTOR FOR EVSE & INSTALLATION

Sandcreek: 41020 Road 124, Orosi, CA 93647

No. of Chargers: 2



<sup>\*</sup>The electrical panel servicing the EV Charger(s) is located in the community room adjacent to the proposed EV charging site location.

SIGALA INC REQUEST FOR PROPOSAL ECOSYSTEM OF SHARED MOBILITY | VALLEY GO CONTRACTOR FOR EVSE & INSTALLATION

Caliente Creek: 41020 Road 124, Orosi, CA 93647

No. of Chargers: 2



<sup>\*</sup>The electrical panel servicing the EV Charger(s) is located in the community room adjacent to the proposed EV charging site location.

SIGALA INC.
REQUEST FOR PROPOSAL
ECOSYSTEM OF SHARED MOBILITY | VALLEY GO
CONTRACTOR FOR EVSE & INSTALLATION

Sunrise Villa: 1600 Poplar Avenue, Wasco, CA 93280

No. of Chargers: 2



<sup>\*</sup>The electrical panel servicing the EV Charger(s) is located in the community room adjacent to the proposed EV charging site location.

SIGALA INC REQUEST FOR PROPOSAL ECOSYSTEM OF SHARED MOBILITY | VALLEY GO CONTRACTOR FOR EVSE & INSTALLATION

Almond Court: 801 Almond Court, Wasco, CA 93280

No. of Chargers: 2



<sup>\*</sup>The electrical panel servicing the EV Charger(s) is located in the community room adjacent to the proposed EV charging site location.

SIGALA INC. REQUEST FOR PROPOSAL ECOSYSTEM OF SHARED MOBILITY | VALLEY GO CONTRACTOR FOR EVSE & INSTALLATION

This page is intentionally left blank

SIGALA INC REQUEST FOR PROPOSAL ECOSYSTEM OF SHARED MOBILITY | VALLEY GO CONTRACTOR FOR EVSE & INSTALLATION

# **Attachment B:**

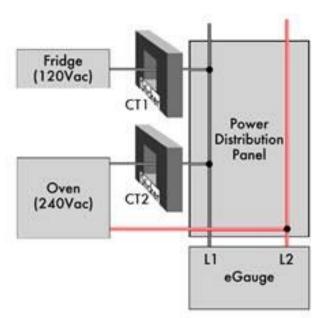
EV Charging Station and Activity Monitoring System Installation Details



# Installation of EVolution Electric Vehicle Systems, LLC EV Charging Station Energy and Activity Monitoring System

- System contents: energy monitoring NEMA 4 Enclosure 10x8x4 in. with load meter, two open-core current sensors with 8 ft leads and attached connectors, flange mounting tabs.
  - o One current sensor(CT) is required for each Level 1 or Level 2 EV charging station
- Mount the enclosure next to the EV chargers power distribution panel and connect with ¾ in or large conduit for the two sets of Current Sensor leads from each phase, L1, L2, and if applicable, L3 sense 14 awg lines from the breaker panel.
- The system includes both hardwired Ethernet and WiFi connection capability to a customer's computer network If a WiFi wireless solution is provided, the customer will need to confirm an adequate strength WiFi signal is available nearby.
- If a hardwired ethernet connection will be used a separate CAT5 Ethernet cable from the sites' internet switch to the enclosure will be needed.
- Terminations:
  - Connect 120V 240AC single or three phase power to the module's L1, L2, and if necessary L3 terminals
    on the module, and the Neutral to the N terminal for 120V circuits.
  - It is generally easiest to provide a dedicated single or three pole circuit for these connections.
- L1 powers the module and senses voltage for L1
- Connect L2 to L2 terminal (assuming you have CT's on L2)
- Connect L3 to L3 terminal (assuming you have CT's on L3)
- Connect the CT's to Channel input 1...12
- Clip the CT's around one of the wires feeding power to each charging station.
  - o The label on the CT should face towards the source of power
- Keep track of which circuits L1, L2 or L3 you attach each CT.
  - You will need this information to match each CT to a specific L1, L2, or L3 phase and its EV charger







Actual configuration may vary



Typical Installation near Breaker panel