

GSA Office of Fleet Management

EVSE BPA Product Guide

GS-30F-GA082 and/or GS-30F-GA083



Introduction

GSA's Office of Fleet Management, with support from the GSA Travel, Transportation and Logistics Office of Acquisition Operations, released a request for quote (RFQ) for purchase for electric vehicle supply equipment (EVSE). Awards were made to two vendors that encompass six brands of EVSE-- Apollo Sunguard Systems (BPA GS-30F-GA082) and Pacific Lighting Management Inc. (PLEMCo) (BPA GS-30F-GA083).

The awards provide a variety of equipment and configurations. Twelve months of data services are included for several Contract Line Items (CLINs) awarded. EVSE Data Services for future years are also available under Apollo Sunguard's BPA (GS-30F-GA082) for the ChargePoint brand of Data Services.

Stations must meet industrial standards and codes and be compliant with all commercially available electric vehicles awarded under GSA contract. Furthermore, stations shall have the capability to support and execute financial transactions through a magnetic strip or chip reader, RFID card, contactless credit card, mobile application, or other payment method.

Below are the charging station requirements encompassed in the various CLINs awarded in the BPAs:

Equipment

The BPA encompasses a wide range of EVSE options commercially available, including:

- Level 1
 - Wall or pedestal mounted
 - Single port
 - Non-networked without the ability to capture and collect data
- Level 2
 - Wall, pole, or pedestal mounted stations
 - Single or dual port
 - Access to a connected data network
 - Ability to capture data for networked stations (Note: Some level 2 stations awarded do not provide networked stations. This is specified in the EVSE Awards Configurations document)
- DC Fast Charge
 - Single or dual port
 - Wall or pedestal mounted
 - Access to a connected data network
 - Ability to capture data through the EVSE itself

Data Services

Several CLINs/models available include 12 months of Data Services. Dependent upon the Brand Name purchased, the Data Services provided differ between EV Connect, Greenlots, or ChargePoint.

In addition, for the ChargePoint branded data services, the BPA provides out-year data subscription options for years 2, 3, 4 and 5 for specific CLIN purchased under the BPA. Data subscriptions, whether for the base 12 months or future years, services include:

- Collection of station-level and vehicle transactional data
- Automatic data transmission without operator involvement
- Data reported on a web-based portal or network
- Multiple levels of log-in credentials
- Training and customer support for station activation, vehicle-level data assignment, and other services
- Hardware on open charge point protocol (OCPP) platform prevent stations from becoming obsolete if the cellular network or software provider changes

Installation

Installation services were not awarded under this BPA. All equipment ordered from this BPA will require the purchasing agency to seek installation services in accordance with Federal Acquisition policy.

Contents

This product guide contains:

- Definitions
- Product descriptions by Category and pricing by CLIN
 - Category 1
 - EVSE Products
 - Category 3
 - Data Products
- What's included in the BPA?
- Ordering Procedures
- Points of Contact

Definitions

Electric Vehicle Supply Equipment (EVSE) - Also referred to as “charging stations,” EVSE encompasses the conductors, including the ungrounded, grounded, and equipment grounding conductors and the electric vehicle connectors, attachment plugs, and all other fittings, devices, power outlets, or apparatus installed specifically for the purpose of delivering energy from the premises wiring to the electric vehicle (EV). There are three levels of EVSE:

- ***Level 1*** - Refers to a freestanding or wall mounted charging structure that delivers a 110/120V charge, replenishing an EV battery at a rate of 4 to 6 miles of range per hour of charging time. Charging an EV at level 1 typically takes between 7 and 20 hours depending on the size of the vehicle's battery.
- ***Level 2*** - Refers to a freestanding or wall mounted charging structure that delivers a 208/240V charge, replenishing an EV battery at a rate of 10 to 20 miles of range per hour of charging time. Charging an EV at level 1 typically takes between 2 and 5 hours depending on the size of the vehicle's battery.
- ***Direct Current (DC) Fast Charging*** - Usually a freestanding or wall mounted structure capable of being networked that is designed to charge vehicles more quickly than level I or level II with an electrical output ranging between 40 kW – 120 kW delivering a charge of up to 480V or 208V. Converts AC power to DC within the charging station and deliver DC power directly to the battery. DC fast charging can typically replenish an EV battery at a rate of 50 to 90 miles of range per 30 minutes of charging time.

“Commercial” Designated Charging Stations - Charging Stations capable of being configured and set to limit access, visibility and pricing policies, allowing the station owner to set his/her own policies such as set users and user groups along with pricing. These stations have more features and software that provides more control for the station owner than fleet stations (see below).

“Fleet” Designated Charging Stations - These station types are more basic in nature and are designed to handle less complex usage and access requirements. Typically, these units can only be accessed by certain users and are best in a secure area (also known as “behind the fence”). Typically, these units are more affordable than commercial units.

Networked Charging Station - An EVSE that has access to a data network via cellular, Ethernet, WIFI or some other form of connection. The network connects the station to a network of other stations making it visible on maps or other applications if desired to help users locate the unit. It also allows for the capture, collection and transmittal of vehicle-level data for the station owner including but not limited to energy consumption, location, time, length of charging session, user id, usage and collection of payment.

Non-networked Charging Station - An EVSE that simply allows for the charging of the vehicle but does not allow data collection.

Product Descriptions

Awards under this BPA encompass EVSE under Category 1 and Network Data Services under Category 3.

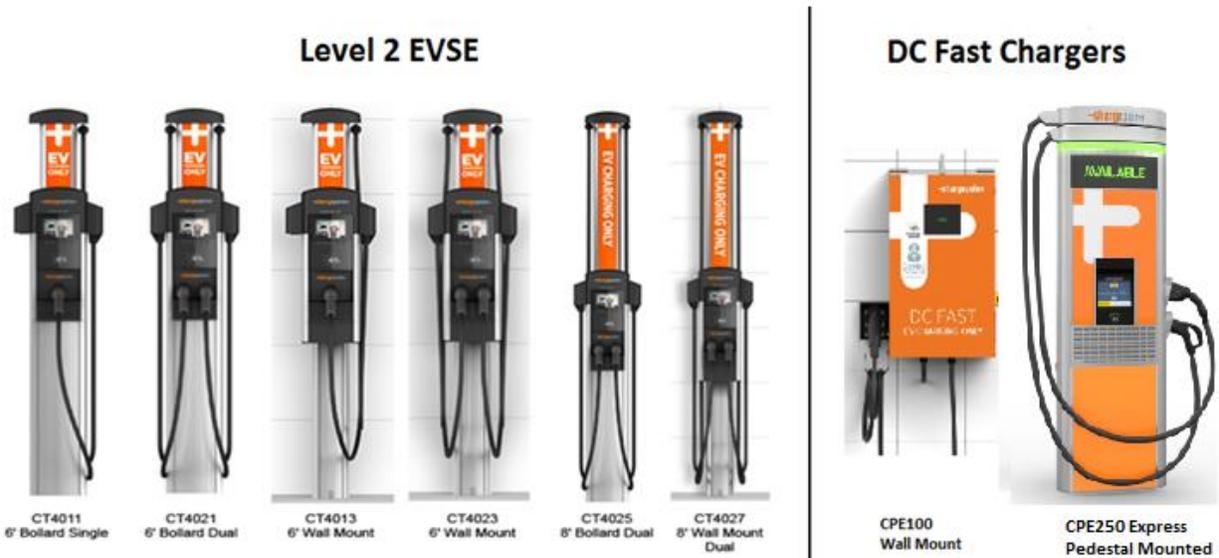
Category 1

There are seven different brands of EVSE awarded under the BPA with a total of 96 different possible configurations to choose from. The “All Configurations Available Document” found on under the EV Charging Stations Tab on gsa.gov/afv, lists all of the awards made under each category by CLIN. Below is a summary of the available units. All EVSE awarded are compatible with commercially available electric vehicles.

Vendor	Brand	# Configs. Available	Power Level	Mount Types	Ports Available	Data Network	Fleet or Commercial?
Apollo Sunguard	ChargePoint	24	Level 2 and DC Fast Charge	Wall and Pedestal	Single and Dual	ChargePoint	Both
PLEMCo	Efacec	1	DC Fast Charge	Pedestal	Dual	EV Connect	Commercial
PLEMCo	EVSE LLC	21	Level 2	Wall and Pedestal	Single and Dual	Greenlots	Both
PLEMCo	Garage Juice Bar	28	Level 2	Wall and Pedestal	Single and Dual	Greenlots	Both
PLEMCo	Telefonix	2	Level 1	Wall and Pedestal	Single	Not Applicable	Not Applicable

Apollo Sunguard - ChargePoint

There are six different Level 2 ChargePoint units available under the BPA and 2 different DC Fast Charge units. On dual port stations, agencies can choose from 6 foot and 8 foot cord units. All ChargePoint units come with one year of data on the ChargePoint network. ChargePoint units can be found on CLINs 1, 3-5, 7-9, 11-13, 15, 16, 25, 26, and 28. For full dimensions and equipment descriptions, visit <https://www.chargepoint.com/products/commercial/>. The CPE250 Express station is a 50KW version and recharges a vehicle in 1.2 hours or less. It has a touch screen. It has both the CHAdeMO and the CCS combo connectors. It is a great compliment to A/C/ or level 1 or 2 charging. The CPE100 is 24kW and so will take longer to charge – about 2.5 hours for a Chevrolet Bolt.



Links:

- Station Owner FAQs: <https://www.chargepoint.com/support/driver-faq/>
- EV is good for business: <https://www.youtube.com/watch?v=HoDZiQL49WU>
- How to access ChargePoint EV Charging Stations: <https://www.youtube.com/watch?v=YmSCS03OKY>
- ChargePoint Mobile App: <https://www.youtube.com/watch?v=HOueDe-rHJk>

PLEMCo - Efacec

One DC Fast Charging Station is available from manufacturer Efacec under CLIN 25A. The station comes with one year of data connectivity on the EV Connect network. More information on the equipment can be found on the manufacturer's website at: <http://electricmobility.efacec.com/ev-qc45-quick-charger/>



PLEMCo - EVSE LLC

EVSE LLC has eight different configurations available under the BPA. All units are Level 2 stations. EVSE LLC ChargeWorks line consists of modular EVSE that can be single and dual port, pedestal and wall mount, and networked and non-networked units. Networked stations utilize the Greenlots network for data collection and include a one year data subscription in the price of the unit. EVSE LLC stations are listed under CLINs 1, 2, 5-10, 13-17, 19, and 20. For dimensions and additional equipment information, visit: <http://www.evsellc.com/3703-chargeworks.html>.



PLEMCo - Garage/Juice Bar

There are four different models of Garage/JuiceBar stations available under the BPA. All stations are Level 2 units and can be single or dual ported, wall or pedestal mounted, networked or non-networked. Networked Juice Bar stations utilize the Greenlots data network and include a one year data subscription in the price of the unit. Juice Bar stations can be found on CLINs 1-19. For full dimensions and equipment descriptions, visit the manufacturer's website at: <http://www.juicebarev.com/>.



PLEMCo - Telefonix

The only Level 1 stations offered on the BPA are from manufacturer Telefonix. Two non-networked units are available. The units are single port and can be ordered as wall or pedestal mounted units. Telefonix stations are listed on CLINs 21A and 23A. For dimensions and additional equipment information, visit: <http://www.powerpostevse.com/products.html>



Category 3 – Data Networks

Apollo Sunguard’s ChargePoint data service is awarded to cover years 2 through 5 of data services for stations purchased under the BPA. The first year of service begins on the initial activation date of the unit in question, not the BPA award date or order placement date. The first year of data service is provided with the purchase of the unit at no additional cost for networked stations. Data service plans for years 2

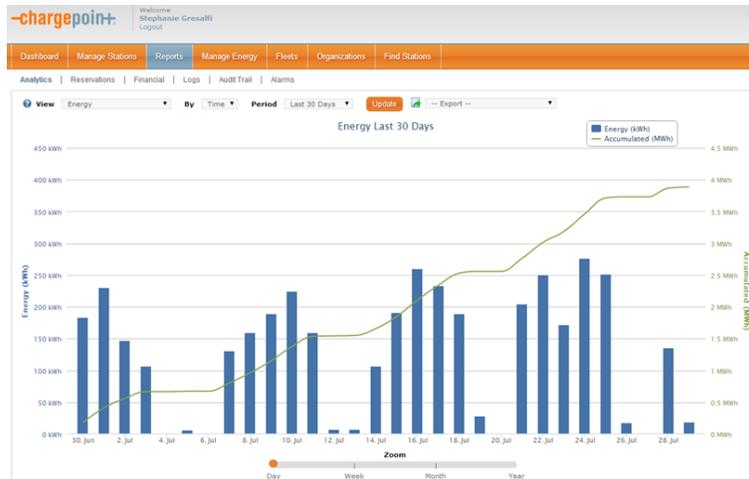
through 5 are not included with the purchase of the unit and need to be purchased separately and in out years by the ordering agency.

- Category 3 data services can only be ordered for charging station ordered through this BPA. These data service plans cover both Fleet/Home Networked Stations and Commercial Networked stations.
- Data Services cover all ChargePoint stations awarded under Category 1 of this BPA.
- All plans cost \$22.69/month per networked station and are the Commercial ChargePoint plan.
- The “All Configurations Awarded” document includes all configurations awarded by CLIN and Price and can be found on gsa.gov/afv on the EV Charging Stations tab
- The CLINs available for each Data Network are on the second tab, listed in Column C, “Associated EVSE CLINs.”

The ChargePoint Network allows station owners to:

- Track vehicle or station’s charge history
- Control access to employees, optionally varied by Time of Use. For example, personal vehicles during normal business hours only, and fleet vehicles all times of day/week.
- Ability to set different pricing for Fleet versus Personal vehicles, and collect/remit fees for Personal vehicles automatically. Secure PCI-certified solution.
- View fuel and Greenhouse Gas projected savings
- Support for fleet fueling cards. ChargePoint integrated WEX fuel card support at the direct request of the GSA. ChargePoint also offers its own fuel card option for EV fleets.
- View electricity consumption for GSA Fleet leased vehicles in the Fuel Use report in GSA Fleet Drive-thru.
- Take action to Prevent Fraud: Avoid employees using fleet access cards to charge their personal EVs or those of others. Provide a better solution for odometer entry, as today’s method is manual and error-prone.
- Measure and optimize ROI on electric vehicle purchases and infrastructure investments.
- Integrate vehicle and station data with existing reporting systems.
- Receive support for Fleet Drivers, Personal Drivers, and Station Administrators.
- Use the Mobile app or RFID to initiate charge.
- Use the Mobile app to find other stations.

Screenshot of a ChargePoint Network Report:



Screenshot of a portion of the ChargePoint Network Dashboard:



Upon activation, GSA Fleet leasing Agencies can connect their GSA Fleet tag to the station RFID card so that electricity use will be recorded in the Fuel-Use Report in GSA Fleet Drive-thru. Agencies must provide tag and RFID card number to GSA.

*If agencies are planning on **only charging one vehicle at their station they can add a tag number or other vehicle identifier.***

Timezone (GMT -6:00) Central Time (US & Canada), Mex ▼

Automatically adjust time for Daylight Saving Time

Helpful Information for Drivers [Contact Motor Pool for assistance](#) 180 characters left

Configuration

Usable by [?](#) All Drivers [New Access Policy](#)

Visible to [?](#) All Drivers [New Access Policy](#)

Reservations [?](#) Disabled

Pricing policy Free to all drivers [Create Pricing Policy](#)

Station Message None [Create Station Message](#)

Video Ads None

Power Sharing Disable

Energy Management (all fields optional)

Asset Tag ID [?](#) G13 4393P

Meter ID [?](#)

Service Delivery Point ID [?](#)

Point of Service ID [?](#)

Account ID [?](#)

Circuit ID [?](#)

Panel ID [?](#)

[Cancel](#) [Save and Activate](#)

Agencies that lease with GSA interested in being able to view and download kW energy consumption data in the Fuel Use Report (FUR) in GSA Fleet Drive-thru can reach out to the GSA Fleet AFV Team at GSAfleetAFVteam@gsa.gov or your FSR:

- Vehicle Tag
- ChargePoint numerical RFID card number assigned to vehicle (not driver)
- Preferred Customer Mailing Address

The GSA Fleet Services Card, provided by WEX, is now an accepted form of payment at ChargePoint Electric Vehicle (EV) charging stations. This means agencies can use WEX-linked cards at public, pay-for use ChargePoint stations. To charge at a ChargePoint station, each vehicle must have a ChargePoint RFID card that is linked to the GSA Fleet Services card assigned to that vehicle. The ChargePoint network accounts for 70% of the public level 2 EV charging market. This access allows for greater utilization of EVs, and opens a wider set of missions and use cases for these vehicles.

Email the GSA Fleet Alternative Fuel Vehicle (AFV) Team at GSAfleetAFVteam@gsa.gov or your FSR to opt in to this program. Provide the vehicle license plate number and preferred mailing address for the RFID card to be sent. If you already have a ChargePoint card, you can still email GSAfleetAFVteam@gsa.gov to get your card connected.



For Agencies looking to purchase EVConnect or Greenlots network data plans after the initial year, data services will have to be purchased outside of this BPA as these two networks were not awarded. Data plans can be purchased off of GSA's Multiple Award Schedules (MAS) ([GSA Advantage](#)) from multiple vendors and agencies are encouraged to do market research to determine which firm offers the required data services at the best value. There are numerous plans offering various service length terms and customer service levels. Be aware that MAS pricing represents ceiling prices and agencies are highly encouraged to request discounts at the task order level particularly if ordering in large volumes.

Note: Some vendors spell Greenlots as two separate words. The same is true with EVConnect. We advise you search GSA Advantage using both spellings.

GreenLots network is supported by EVSE LLC and Garage Juice bar stations. The Greenlots Network allows station owners to:

- Set charging fees for drivers and stations (e.g. per kWh, per hr, per session).
- Monitor (in real time) an owner's network of charge stations.
- Download usage reports (e.g. revenue, energy consumption).
- Receive notifications.
- Use multiple payment methods.
- View an interactive Dashboard online.
- Use the Mobile app or RFID to initiate charge.
- Use the Mobile app to find other stations.

Screen Shots of Data Portal:

Your Network | **Revenue** | **Energy** | **Users** | **Performance** | **Faults** | **Charging** | **Reserved** | **Profile**

Energy

Sunnyvale Workplace Charging | Daily

Select a start date: 1 January 2013 | Select an end date: 26 April 2013 | **SUBMIT**

Date	Energy Usage (kWh)
01 Jan 2013	15.86
02 Jan 2013	12.48
03 Jan 2013	45.1
04 Jan 2013	67.24
05 Jan 2013	34.99
06 Jan 2013	0
07 Jan 2013	0
08 Jan 2013	176.2
09 Jan 2013	152.41
10 Jan 2013	32.49
11 Jan 2013	111.24
12 Jan 2013	33.97
13 Jan 2013	0
14 Jan 2013	58.05
15 Jan 2013	73.75
16 Jan 2013	52.74
17 Jan 2013	107.67

XLS

Your Network | **Revenue** | **Energy** | **Users** | **Performance** | **Faults** | **Charging** | **Reserved** | **Profile**

Your Location: Sunnyvale Workplace Charging | Add Location | Edit

Sunnyvale Workplace Charging Chargepoints

Add Chargepoint

Serial #	Status	Rate Price	Utilization	Details
135978127	■	2.00 / hr	Thu, Feb 7 2013, 15:52	➤
135978128	■	2.00 / hr	Thu, Feb 7 2013, 21:45	➤
135978129	■	2.00 / hr	Thu, Feb 7 2013, 14:24	➤
135978130	■	2.00 / hr	Thu, Feb 7 2013, 17:53	➤
135978131	■	2.00 / hr	Thu, Feb 7 2013, 16:42	➤
135978132	■	2.00 / hr	Thu, Feb 7 2013, 17:37	➤

<< previous | 1 | 2 | 3 next >>

Rates for Sunnyvale Workplace Charging

Vehicle Type	Active Rate Table	Details
Car	EV Rate	➤

Map Legend: ● Available ● In-Use ● Under Service

Welcome Lin

Your credit balance is **21.33** [Buy Credits](#) [Set Auto-Pay](#)

By charging with Greenlots, you have helped:

You saved 23.94 gallons of gasoline
You saved 55.537 kgs of CO₂



Last 6 Charging Sessions

Start Time	End Time	Vehicle Number	Location	Electricity Used (kWh)	Duration	Credits Paid
Apr 24 2013, 12:08	Apr 24 2013, 13:29	LP123	Autodesk	1.28400	1 hours 22 minutes	0.00
Apr 24 2013, 12:04	Apr 24 2013, 12:05	LP123	Autodesk	0.01700	0 hours 2 minutes	0.00
Apr 24 2013, 11:56	Apr 24 2013, 12:02	LP123	Autodesk	0.09300	0 hours 6 minutes	0.00
Apr 24 2013, 11:45	Apr 24 2013, 11:54	LP123	Autodesk	0.14500	0 hours 10 minutes	0.00
Apr 23 2013, 10:06	Apr 23 2013, 11:30	LP123	RocketSpace (Test Only)	1.03400	1 hours 25 minutes	1.42
Apr 23 2013, 08:46	Apr 23 2013, 08:46	LP123	RocketSpace (Test Only)	0.00000	0 hours 0 minutes	1.00

[More ...](#)

Latest News

-  EV charging goes beyond the \$\$ earned by selling kWh.
2 weeks, 2 days ago
-  How many different EVs can you spot?
3 weeks, 1 day ago
-  Call for 'green badges' and free parking for electric cars http://g...
4 weeks, 1 day ago

[More ...](#)

Friends' Updates

You need to use Facebook Connect to enjoy this feature

EVConnect is a network supported by Efacec and provides:

- 24/7 driver support, including driver on-boarding
- Set-up and configuration of charging stations
- Instant information on charge status and availability
- Access and pricing controls
- Customized and flexible pricing plans for unique driver groups
- Uptime monitoring and reporting
- Usage reports with kWh and Green House Emissions savings
- Remote software updates
- Collect payments from drivers who use the station
- Equipment warranty support
- Mobile App to initiate charge and find charging locations

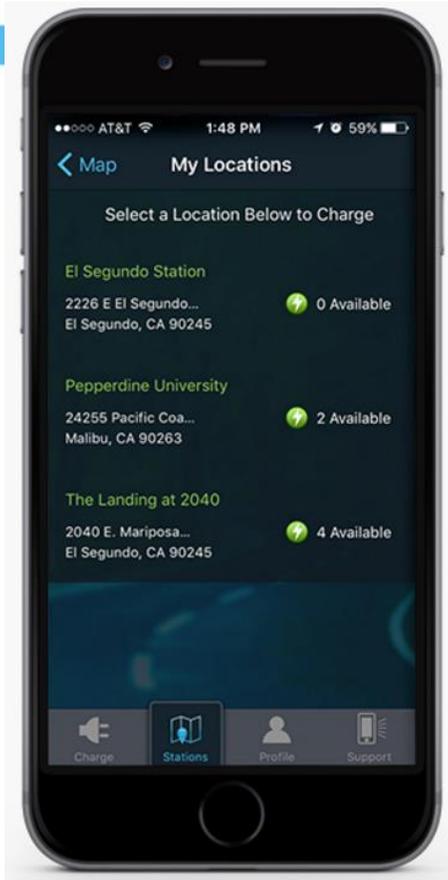
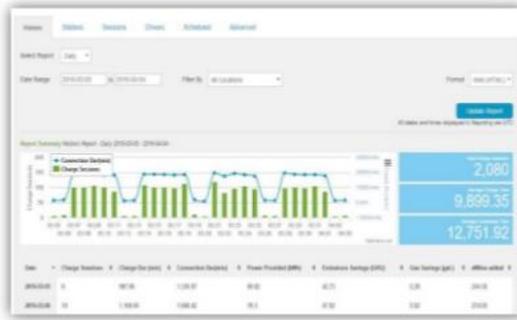
Fleet Management & Reporting

Name	Type	Status	Location
ELAN	EV	Online	Station 1
ELAN	EV	Online	Station 1
ELAN	EV	Online	Station 1
ELAN	EV	Online	Station 1
ELAN	EV	Online	Station 1
ELAN	EV	Online	Station 1

Fleet operators asked - and EV Connect delivered

"The EV Connect Fleet solution is a simplified set of features and services that are built on top of EV Connect's industry-leading Charge Cloud™ platform and configured to help Fleet operators minimize the effort required to manage their charge stations and EV fleets."

EV Connect does not believe in a one-size fits all solution. We are committed to a customized solution for every customer



What's in the BPA?

Orders and Invoicing

Specific Invoice Submission processes and requirements must be addressed at the task order level. The awarding agency shall determine payment method at time of task order award. For Data Services obtained under Category 3 (those services provided after the base 12 months of services included in the base price of the units), i Invoices for services shall be submitted AFTER services have been provided. Invoices will be sent directly to the ordering agency that submitted the order under any BPA Category awarded. Each agency that places orders under this BPA is responsible for their own billing. GSA (unless GSA places the order) is not to be billed for orders placed under this BPA. Billing/invoicing for ChargePoint will be submitted quarterly, not monthly - after services are received.

Warranty

All EVSE equipment includes, at a minimum, the manufacturer's commercial warranty for all parts and components against parts failure or malfunction due to design, defective workmanship, and missing or incorrect parts, for a minimum period of 12 months from the date of receipt and acceptance of the EVSE. For specific warranty information, please contact awarded vendor.

EVSE Customer Service

All units under this BPA are covered by 24 hours per day and 7 days per week access to customer service via a toll free number with real time assistance for EVSE and data access systems. Firms providing services are equipped to address EVSE hardware issues and network/connectivity issues both remotely (via phone or internet) and on site by a qualified technician, as needed.

Delivery

Prices offered cover delivery f.o.b. destination (FAR 52.247-34) to any point located within the 48 contiguous states and the District of Columbia, Alaska, Hawaii, and Puerto Rico. Delivery is not considered complete until all units are delivered. Stations ordered under Category 1 will be delivered within 60 Days After Receipt of Order. For Category 3, data services will be delivered within 5 working days of receipt of task order (or if for next year services and task order is received prior to expiration of current service, the vendor will ensure service is not terminated).

Special Considerations for Data Services

Networked stations include 12 months of data services beginning upon activation of the station. Each networked station shall be able to collect vehicle level transactional data and transmit it to a controlled access web portal.

Agencies can purchase out years of ChargePoint data plans through the BPA. If they have a station that is using a different network the agency can buy those plans on GSA Advantage, outside of the BPA.

For those purchasing Category 3 data plans off of the BPA, an additional 12 month data service plan purchased under Category 3 (CLIN 57 or CLIN 58) begins at the end of the base 12 months, or the date the data service is activated. If an order for an additional 12 months of services is not provided prior to the expiration of the services, the services are to be terminated without requiring any interaction by the Government entity.

Firms awarded a contract under this BPA for data services or EVSE with data services will notify the customer agency's Task Order Contracting Officer (TO-CO) and Task Order Contracting Officer's Representative (TO-COR), in writing, at least 60 days prior to expiration of data service plans.

Invoicing of CLIN 57 or CLIN 58 may only occur AFTER service is provided per 31 USCS 3324. Therefore an agency can purchase multiple years of service but the vendor must invoice only after service is completed. You can discuss with the service provider the frequency of invoicing (quarterly, monthly etc.). Apollo Sunguard, the vendor offering the sole Category 3 data service awarded through this BPA, requests invoicing on a quarterly basis.

31 USCS § 3324. Advances

(a) Except as provided in this section, a payment under a contract to provide a service or deliver an article for the United States Government may not be more than the value of the service already provided or the article already delivered.

Customer Service

PLEMCo

Contact for BPA Administration:

Ann Anderson

Pacific Lighting & Energy Management Company (PLEMCo)

Primary phone: 714-972-1982

Secondary phone: 714-543-0255

Evse@plem.co

PLEMCo recommends contacting your data service provider as the first line of support. They will determine if the hardware manufacturer needs to be contacted and initiate that connection.

For stations utilizing EV Connect (Efacec)

- EV Connect 24 Hour Driver Support: 866-816-7584
- EV Connect Technical/Hardware Support: 888-780-0062 ext. 315

For stations utilizing Greenlots (Garage Juicebar and EVSE LLC brand stations)

- Greenlots 24 Hour Customer Support: 855-900-7584

To directly contact the station manufacturer:

- Efacec with EV Connect
 - Phone: (+351) 229-402-000
 - Email: evcharging@efacec.com
- EVSE LLC with Greenlots
 - 8AM-5PM Eastern, Monday-Friday: 860-253-4208
- Garage Juicebar with Greenlots
 - 9AM-5PM Eastern, Monday-Friday: 860-308-2054, ext. 103 or 106
- Telefonix – Non-networked
 - 8AM-5PM Central, Monday-Friday: 847-244-4500

Apollo Sunguard

- ChargePoint with ChargePoint network

24 Hours EV Driver and ChargePoint Account Assistance (to anyone using a ChargePoint Station): 1-888-758-4389

Station Owner, Installer and Partner Support or For HQ Fleet Managers to group all their stations under one log-in:

US and Canada Toll Free: 1-877-850-4562
(Mon.-Fri., 7 AM CST - 9PM CST)

Contact for BPA Administration:

Carolyn Riddle
Apollo Sunguard

941-925-3000

FAX 941-925-3001

Carolyn@apollosunguard.com