



U.S. General Services Administration

EV Charging Stations through GSA

Winter/Spring 2022



GSA's Role in Electric Vehicles & Infrastructure

Vehicle Provider/ Acquisition

- Mandatory source for federal vehicle purchasing
- Best-in-class for fleet leasing
- Pursuing new electric vehicle and infrastructure offerings through AutoChoice & GSA's Multiple Award Schedule
- Assisting with Acquisition planning
- Future EVSE BPAs (FAR 8.405-3) forthcoming that will meet hardware/software needs, cyber security & supply chain standards

Facility Management/ Construction Services/Real Property

- Facilitate tenant electric vehicle supply equipment (EVSE) requests in GSA managed space
- Develop strategy for GSA-owned buildings to be electric vehicle ready
- Provide design, construction and installation governmentwide (GSA controlled AND non-GSA controlled space)

Estimated EV Charging Station (EVSE) Costs

- **Level 1 Charging / 110/120V**

- J1772 is standard
- 110 or 120 Volts
- 4-6 miles per hour charge time
- \$0-\$3K



NEMA 15

- **Level 2 Charging / 240V**

- J1772 is standard
- 208 or 240 Volts
- 10-20 miles per hour charge time
- \$500-\$12,000



J1772

- **DC Fast Charging (CCS, CHAdeMO, Tesla Supercharger)**

- No standard connector
- 480 or 208 Volts
- 50-90 miles in 30 minutes
- \$33,000+



Tesla, SAE Combo, CHAdeMO

*Specialty stations such as solar canopies, wireless or other non-conventional types can cost \$55,000 or more

Further Considerations

- NEMA Enclosure Ratings - learn how the different EVSE enclosures protect against water and temperature at [this link](#).
- Station Protection - thieves are targeting charging stations for the copper in the cables. Place charging stations in well-lit visible areas to reduce risk.
- Station Identification - shop [GSAAdvantage](#) for EV parking signage
- If I need to restrict access, set pricing policy or allow employees to charge, I would require a networked station
- Am I charging PHEVs or BEVs?
 - PHEVs take ~2 hours on L2; BEVs take 8-14 hours on L2
 - BEVs take 30+ hours on L1; PHEVs ~8 Hours on L1
 - Most PHEVs cannot charge on DC Fast Charging stations except Hyundai Santa Fe & Mitsubishi Outlander

Estimated Installation Costs & Schedule

- Department of Energy NREL's 2020 [Federal Workplace Charging Program Guide](#), estimates the installation costs for a
 - 120V receptacle at ~\$500/port; and
 - ~\$2,000/port for Level 2
- Electricians/engineers estimate installation is at the very least, 50-60% of the total cost of the project (including materials). Therefore if a station is \$7,000 dollars, you can expect installation to be at least \$7,000-\$8,400 dollars.
- An EVSE-specific site assessment usually costs \$600 dollars and up and is a great place to start. Be sure to involve building managers and your local utility right from the start.

However, larger installations will most likely see a lower per-port cost, while smaller sites will probably see a higher per-port cost. In addition, in the past year or so inflation and the price of goods has affected estimated costs so even the most experienced installers may provide a range

- In GSA managed space, GSA Public Building Service will take your requirements and move ahead with conducting an assessment. An [RWA](#) is required.

Why GSA MAS Schedules

Competitive Advantage - Schedules contractors are pre-vetted and must offer the best value products and services. Orders under FAR 8.4 are issued using full and open competition and hold significant advantages over the acquisition of commercial items.

Long-term Partnership - GSA Schedule contracts can last up to 20 years and there is no ceiling on sales (Indefinite Delivery, Indefinite Quantity).

Streamlined Procurement Process - Simplifies the procurement process for both the government buyer and the contractor. A GSA Schedule contract is a pre-competed Governmentwide Acquisition Contract (GWAC) with “fair and reasonable pricing” and can be used by any federal entity. An order placed against a GSA Schedule contract represents the best value and results in the lowest overall cost.

Reduced Time to Award - Government agencies often post opportunities that are only available to GSA Schedule contractors with faster award times.

Infrastructure: GSA's MAS through GSA Advantage

- Many brands at different price points & for different applications
 - Level 1, Level 2
 - DC Fast Stations
 - Solar Stations
 - Ultrafast Charging on 240V
 - Portable Stations
 - Network services and o&m plans
 - Activation and assembly assistance
 - Engineering, electrical and consulting services
- EVSE Categories including Site Prep / Engineering / Turnkey Offerings
 - [238910](#) - Installation & Prep Services
 - [3361E](#) - Electric & Autonomous Vehicles & Accessories
 - [332510C](#) - Hardware Store
 - [334512](#) - Total Solution Support Products for Facilities Mgt Systems
 - [335911](#) - Batteries
 - [335999](#) - Power Distribution & Solar Energy Solutions
 - [541330ENG](#), [541420](#), [541715](#) - Engineering Services, design and r&d
 - [561210FAC](#) - Facilities maintenance and management
 - [ANCRA](#) - Ancillary repair and alterations
 - [Ancillary](#) - Ancillary Supplies and Services
 - [OLM](#) - Order-Level Materials

Infrastructure: GSA's MAS through GSA Advantage

Products & Ancillary Services

- **Category [3361E](#) Electric and Autonomous Vehicles and Accessories:** *Proterra, EvoCharge, Global Enterprise and services through Ancillary/OLM: PCS Energy, Apollo Sunguard, Central Power Systems*
- **Category [335911](#) Batteries... to include chargers, monitoring systems:** *Beam/EV Arc, Juice Bar, EFACAC, Siemens, Clipper Creek, Loop/Tritium, Aerovironment & Ancillary installation/turnkey/station management: ALLCOM, DJH Const., PLEMCo, Verdek and More*
- **Category [332510C](#) Hardware Store, General Supplies, Industrial M&R and Operations:***BOSCH, Hubbell WD, IDEAL SHIELD LLC, Leviton and More*

Complimentary Categories

- **Category [238910](#) Installation and Site Preparation Services-**ordered in conjunction with buildings & structures, building materials, services for alt. energy solutions or power distribution equipment, fuel dispensing & management systems. Firms like ABM, ALLCOM, AMERESCO, VERDEK Sys. Engineers & More
- **[ANCILLARY Supplies and Services](#) covers items or services not within the scope of any other SIN & compliment contractor's offering such as install/turnkey/station management by firms w/ hardware on 3361E/335911 & other categories**
- **[Order-Level-Materials \(OLM\)](#) Category** includes supplies/services acquired in direct support of an individual task or delivery order placed against a Schedule contract or BPA. Pricing established at order level.

Infrastructure: Using GSA's MAS through GSAAdvantage

Agencies/Customers are encouraged to ask for discounts!

Per the Federal Acquisition Regulation (FAR):

- Ordering activities shall use the ordering procedures outlined in FAR 8.405-1 when a statement of work is **NOT** required (for supplies & all schedule buys);
- and FAR 8.405-2 when a statement of work is required (services priced at hourly rates)

Sample RFQ 1

Sample RFQ 2 (see gsa.gov/evse site)

Market Research As a Service (MRAS)

A Value Added Service - Available at no Additional Cost

Available Service Options:

- Rapid Review - Identifies if your requirement fits the scope of existing GSA acquisition solutions in 24-48 hours.
- Request for Information/Market Research Report - Streamlines the RFI process and consolidates the results into one report with visuals.
- GSA Advantage Product Market Research- Search up to 20,000 items on GSA Advantage at once.

On-Demand MRAS Video Training

[An Introduction to \(MRAS\)](#)

[Robotic Process Automation \(RPA\) For Market Research](#)

[Demo: GSA Market Research as a Service](#)

[Commodity Price & Comparative Analysis Demonstration](#)

[Making Market Research Easy: Enhancing Industry](#)

[Partnership](#)

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Future Enhanced BPA EVSE Goals

Government-wide complete solution that is easy to navigate and meets a majority of agency infrastructure needs in place by middle of 2022.

- Aggregate Buying power
- Cater to different ownership needs
- Meet Security & Supply Chain Reqs
- Provide Hardware, Software & Install
- Provide Site Assessment, Planning & Pre-Install Services
- Streamlines
- procurement process

Reach out to GSA Fleet today! gsa.gov/evse

Future GSA EVSE Solution

Product EVSE 60 month Supply BPAs

- Hardware offerings for Level 1, 2 and DC Fast Charging
 - Purchase and lease options
 - Vendor Agnostic OCPP Stations & Software
 - Data packages & Network services
- Ancillary services
 - Energy metering & load management
 - Operation/maintenance plans
 - Site assessment/make-ready charging solutions (no installation)
- Compliant with Federal IT Security requirements (NIST 171 / FedRAMP)
- Product Onboarding / Offboarding opportunities
- Small Business Preferences

Award anticipated April 2022. Products must be vetted by OCIO prior to opening for ordering

Design/Build/Install EVSE 60 month Services IDIQs

- Primary acquisition tool for design and installation of EVSE
- Provide construction and design/build to support EVSE installations government-wide. Capabilities include but not limited to:
 - Feasibility Study/Site Assessment
 - Repair and Alterations
 - Electrical Infrastructure Upgrades (e.g., conduit, switchgear, modification of existing electrical distribution system)
 - Testing/Commissioning/Utility Coordination
 - Other related work (e.g., trenching, bollards, HVAC, fire protection)
- National & Zonal IDIQs
- Small Business Opportunities

Award anticipated July 2022. Special Programs Division in ODC can take projects on today!

Turnkey

Assisted
Acquisition & self
Service options

Shared Gsa.gov
landing page,
Fact Sheets
&
Triage

EV Charging Station Points of Contact from GSA

Contact GSA Fleet for:

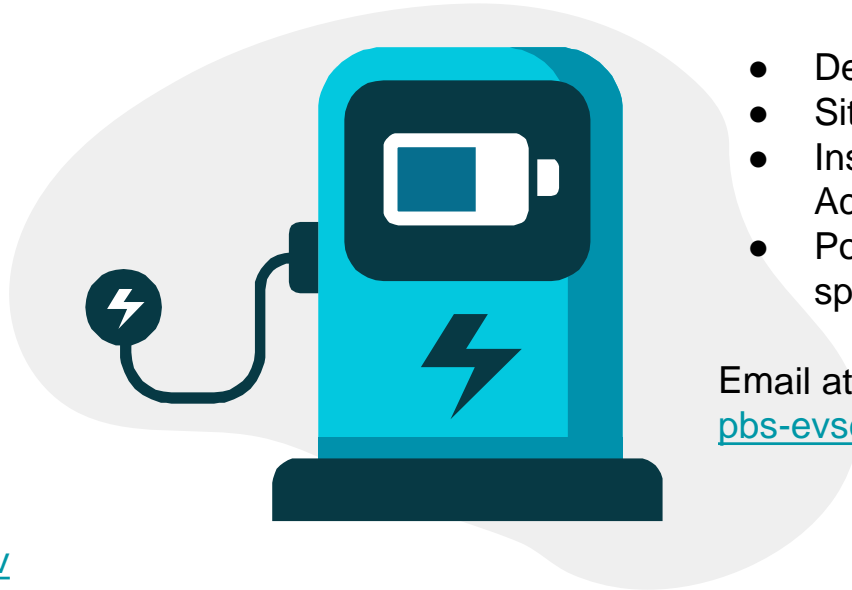
- Acquisition of EVSE Station & ancillary products
- ZEVs
- Planning for ZEVs
- Other general EVSE resources

GSA Fleet ZEV Team:

gsafleetafvteam@gsa.gov

Contracting Support:

matthew.gormley@gsa.gov



Contact GSA PBS Center for EV Infrastructure for:

- Design & Build services
- Site Planning
- Installation Assisted Acquisition
- Policy in GSA managed space

Email at:

pbs-evse-solutions@gsa.gov