



U.S. General Services Administration

A magnifying glass with a black handle and a silver rim is positioned over a background of architectural blueprints. The lens of the magnifying glass is centered over the text "FOCUS FOR the FUTURE".

FOCUS FOR *the* **FUTURE**

2022

F3 PBS CUSTOMER FORUM



U.S. General Services Administration



F3 PBS CUSTOMER FORUM
FOR *the* FUTURE

Wednesday, June 15, 2022

EVSE Essentials

Electric Vehicle Supply Equipment

Our Speakers

Host

Eric Fulton

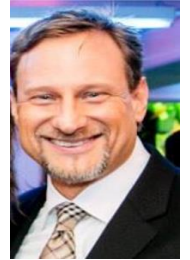
National Program Manager
Communications and Customer Outreach
Office of Portfolio Management and
Customer Engagement
GSA-Public Building Service



Speakers

William Sonenberg

Program Director
EV Infrastructure PMO
Office of Facilities Management
GSA-Public Buildings Service



Jesse Cohen

Program Manager
Acquisition Policy & Program Division
Office of Acquisition Management
GSA-Public Buildings Service



Caitlin Dorame

Program Analyst
Zero-Emission Vehicle Team
Office of Fleet Management
GSA-Federal Acquisition Service



GSA Electrification Priorities & Benefits

E.O. 14057: Catalyzing Clean Energy Industries and Jobs Through Federal Sustainability

- President's agenda for 100 percent zero-emission light-duty vehicle acquisitions by 2027 and 100 percent zero-emission vehicle acquisitions by 2035
- Positive impact to our environment & economy
- Reducing carbon emissions and greenhouse gases, reducing fuel costs and shifting consumption away from imported oil to more locally produced clean energy sources
- Creating jobs for many in the technology, manufacturing, consulting, design and construction industries.
- Complete governmentwide infrastructure solutions

How The GSA Process Works

- Customer requests typically routed to PBS for EV Design & Construction
- GSA controlled facilities:
 - Owned - Utilize D-B IDIQ
 - Delegated - based on delegation agreement; GSA should always be involved since it's our asset
 - Lease - work with Leasing Acquisition Manager/Leasing CO or LCS in conjunction with the lessor

How The GSA Process Works con't

- Non-GSA controlled facility (customer owned):
 - BPA for charging stations
 - Utilize customer contractor or use D-B IDIQ
- A Reimbursable Work Authorization (RWA), a financial agreement in which the customer reimburses PBS for their services, is required to initiate a project
- Submit a Work Request (WR) through the **external** RWA Entry and Tracking Application (eRETA)
 - eRETA is a web Based application to automate and manage the WR
 - Required for all customers

The Benefits

- A complete EV solution
- Close collaboration between PBS & FAS - “One GSA”
- Contracting vehicles with full service option; allows for a one stop shop
 - FAS BPA - charging stations and other services
 - PBS IDIQ - site assessment, design, construction, installation
- Ability for D-B IDIQ contractors to order charging stations off of the FAS BPA

Our Greatest Challenges

- Electrical capacity in our facilities
- Need to upgrade electrical equipment
- Need to upgrade electrical services
- Funding
- Coordination & Cultural Change
- Supply chain disruptions plaguing the automotive industry
 - Microchip shortages
 - Raw material shortages/in control of non-U.S. players
 - Labor shortages
 - Shipping delays
 - EV demand exceeding supply

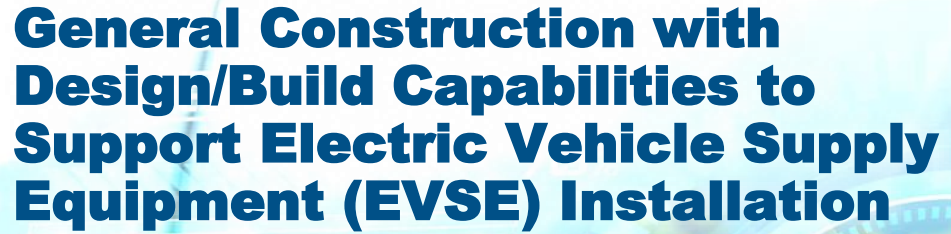
What Actions Are GSA Taking

- Contracting for Site Assessments in approximately 165 GSA owned buildings
- Starting to engage with Electric Utility companies
- Obtaining customer agency plans to change out vehicles to EVs over the coming years
- GSA Fleet onboarding new electric vehicle models to mirror commercial availability
- Providing financing opportunities for electric vehicles
- Sharing information on GSA's new governmentwide EVSE BPAs
- Awarding complimentary D-B IDIQ Installation Contracts

Governmentwide Multiple-Award IDIQ Contracts



EVSE



General Construction with Design/Build Capabilities to Support Electric Vehicle Supply Equipment (EVSE) Installation



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IDIQ Objectives

**Support EVSE installation
at Federal locations nationwide**

For use by GSA and Other Federal Agencies

Streamlined procurement process

Small business opportunities

Part of “One-GSA” complimentary contract solutions

IDIQ Details

Geographic Zones

\$50k-\$4 million
(Estimated Task Order amount)

\$500 Million Ceiling
(Per Geographic Zone)

**1 year base period and
four 1-year options**

IDIQ Services

**General
Construction
Services**

**Design/Build
Services**

**Feasibility Study
and/or Site
Assessment**

**Utility
Coordination**

**Electrical
Infrastructure
Upgrades**
(e.g., conduit,
switchgear)

**EVSE
Installation**

Other site work
(e.g., trenching,
bollards)

**Testing,
Commissioning**

Total Small Business Set Aside

4

**Small Business
Geographic
Zones**

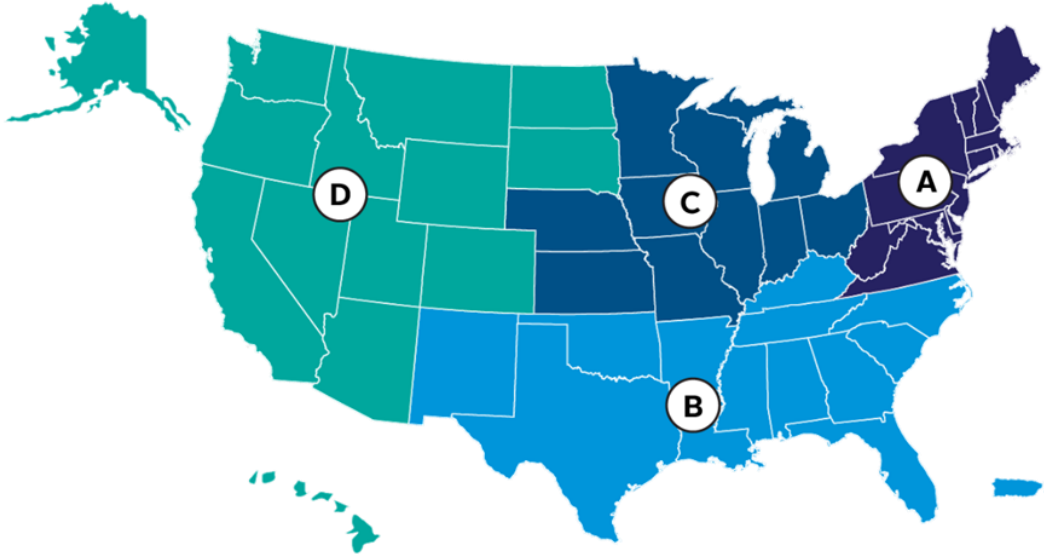
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**Small Business
Awards
(Approx.)**

6

**IDIQ Contracts/
Geographic
Zones
(Approx.)**

Geographic Zones



Zone A

Connecticut • Maine • Massachusetts • New Hampshire • Rhode Island • Vermont • New Jersey • New York • Delaware • Maryland • Pennsylvania • Virginia • West Virginia • Washington D.C.

Zone B

Alabama • Florida • Georgia • Kentucky • Mississippi • North Carolina • South Carolina • Tennessee • Texas • Louisiana • Arkansas • Oklahoma • New Mexico • Puerto Rico

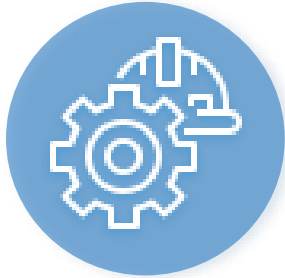
Zone C

Illinois • Indiana • Michigan • Minnesota • Ohio • Wisconsin • Iowa • Kansas • Missouri • Nebraska

Zone D

Colorado • Montana • North Dakota • South Dakota • Utah • Wyoming • Arizona • California • Hawaii • Nevada • Alaska • Idaho • Oregon • Washington

IDIQ Ordering Path Options



Ordering Path 1:

- **PBS awards and manages project**
- **For buildings in or not in PBS's Portfolio**



Ordering Path 2:

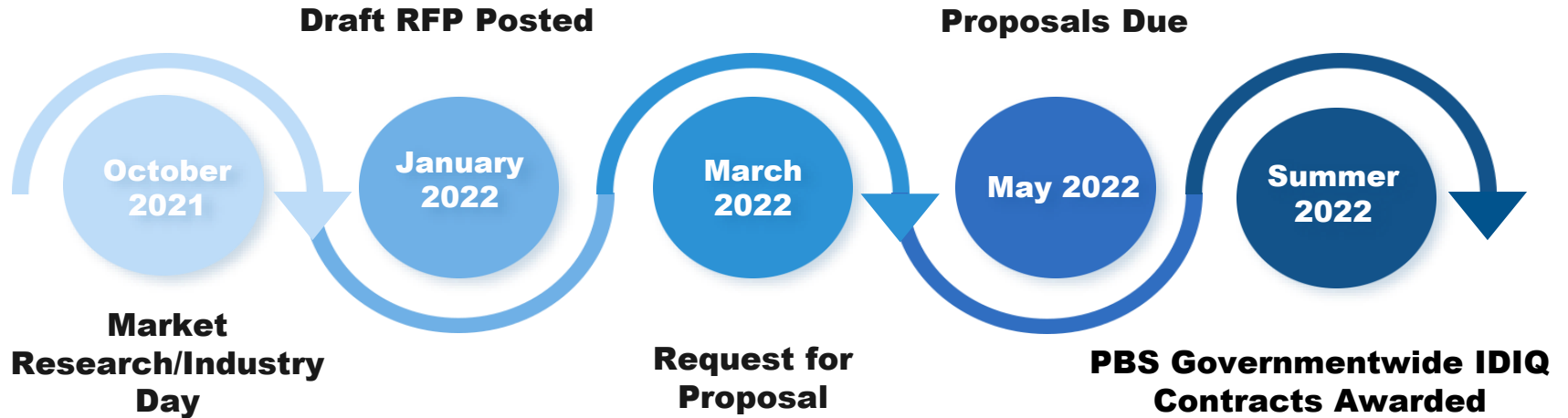
- **Self-Service**
- **Customer awards directly from IDIQ & manages project**
- **For buildings not in PBS's Portfolio**



Ordering Path 3:

- **PBS Contract Support**
- **For buildings not in PBS's Portfolio**

Estimated Timeline

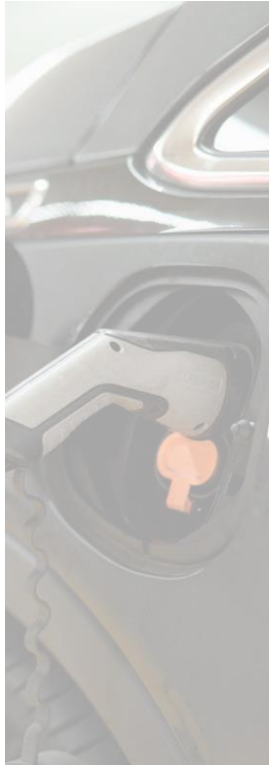


FAS EVSE Blank Purchase Agreements (BPAs)



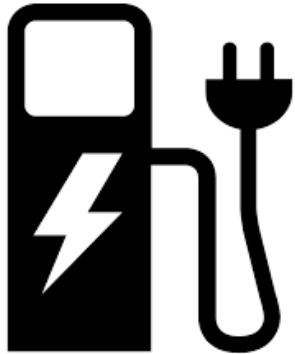
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FAS EVSE BPA Award Highlights



- Includes hardware, software, O&M, make-ready/site assessment services & more!
- Contract Length: 60 Months
- 16 offerors were awarded, including 9 small businesses
- Over 30 EVSE brands and 1,165 line items
- Onboarding Opportunities
- PBS Contractors can buy from FAS BPA holders creating a 1 stop shop for stations & installation
- Networks & Networked Stations still undergoing IT Security review
- View all offerings, pricing and BPA-holder information at [GSA.gov/EVSE](https://www.gsa.gov/EVSE)

Who Can Access the EVSE BPA?



- Any agency or entity that can lease or purchase vehicles from GSA
- Tribes
- State, Local & Tribal Governments
 - Emergency/disaster preparation, response/major disaster recovery (Stafford Act (42 U.S.C. 5121-5207));
 - When expending Federal grant funds in response to Public Health Emergencies (42 USC § 247d);
 - Cooperative Purchasing Program
 - Procuring IT (networks and software)
 - Law enforcement and security solutions in support of everyday missions (40 U.S.C § 502 (c))
- PBS Contractors through FAR Subpart 51.1 Class Deviation CD-2022-04

Types of Facilities That Can Access EVSE BPAs



GSA-Owned and Operated Facilities

YES - GSA will Handle



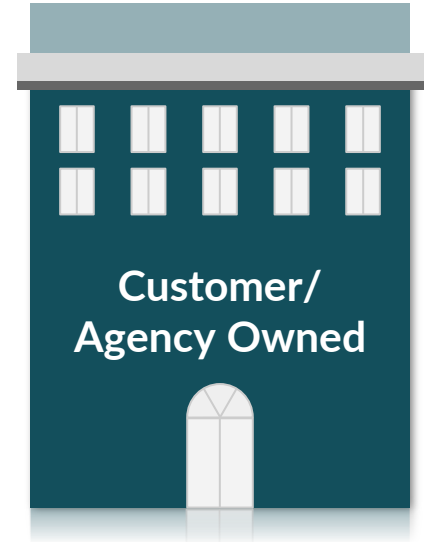
GSA-Owned Delegated Facilities

YES



~~GSA-Leased Space~~

Lessor can use BPAs for market research



Customer/ Agency Owned

YES

EV Charging Station Infrastructure

Level-1 Charging 110V/120V



NEMA 15

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

Level-2 Charging 208V/240V



J1772

- J1772 is standard (Tesla's come with adapter)
- 10-20 miles per hour charge time
- \$500-\$12,000

DC Fast Charger 208V/480V



Tesla, SAE Combo, CHAdeMO

- Most vehicles use CCS (Tesla comes with adapter) Nissan Leaf uses CHAdeMo
- 50-90 miles in 30 minutes
- \$32,000+

- Finding a charger [plugshare.com](https://www.plugshare.com) or [DOE Alternative Fueling Station Locator](https://www.doe.gov/alternative-fueling-station-locator)
- Sites like [abetterrouteplanner.com](https://www.abetterrouteplanner.com) help you plan for charging on trips

FAS EVSE Award Overview – Types and Networks

L2 Stations



DC Fast



Networks



Solar / Portable



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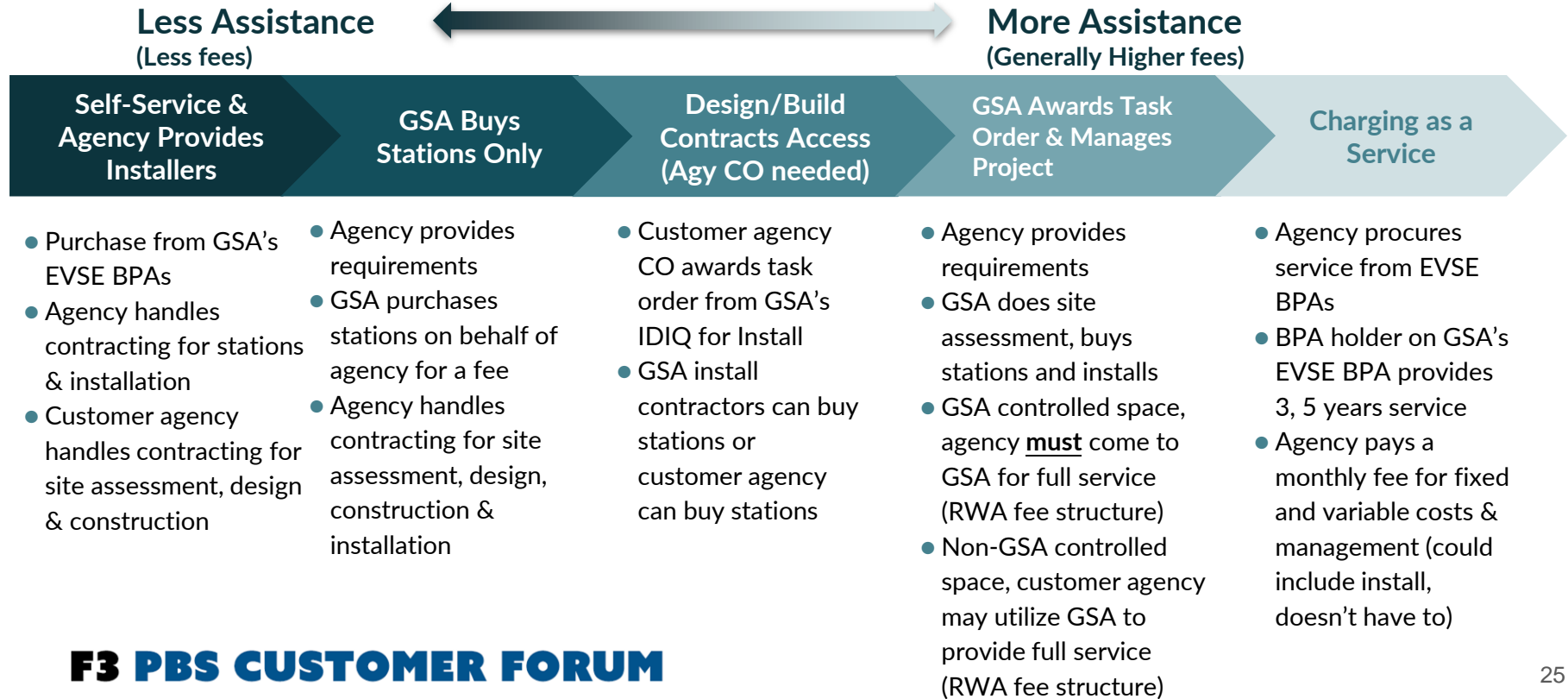
Find all offerings, pricing and attributes & full list of BPA Holders on gsa.gov/evse

FAS EVSE Award Overview – Services & Charges

- Hourly Services Offered
 - Activation, Site Validation/prep, Commissioning, Permitting, Consulting, Basic Install, Site Assessment, Permitting, Site Prep, Utility Coordination, Wiring, etc.
- Charging as a Service (CaaS)*
 - Proactive Monitoring/Maintenance; Assembly & activation of the stations; Access control, unlimited station configuration & policy changes, software upgrades, ongoing operator & driver support, charging data & analytics, power management, valet services, au one-business-day response time; **NO INSTALL** at this time.

*More CaaS offerings being added.

Types of Assistance



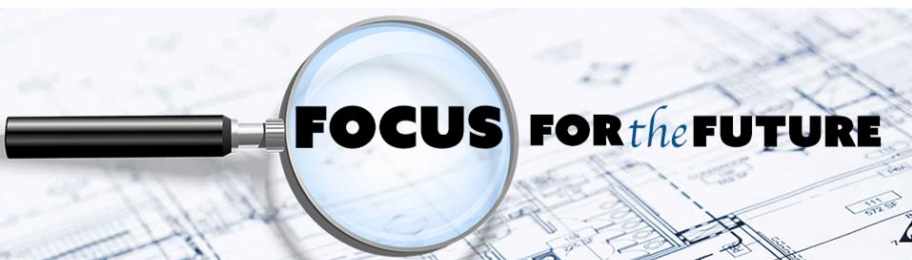
Electrical Utility Company & EVSE Industry Perspectives

Moderator

Erin Lannon

Program Manager

Center for Emerging Building Technologies
GSA-Public Buildings Service



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Panelists

Glenn Halliday

Director, Federal Partnerships
Southern Company

Eric Moberg

Manager, Customer Solutions
Pepco Holdings

Tim O'Neil

Electric Vehicle Onboarding
Pacific Gas & Electric Company

Sean Tully

Supervisor, Energy Efficiency
Eversource

Brandyn Bicknese

Product Portfolio Manager
Xcel Energy

Matt Bianco

President
FedWay Consulting, LLC

Panelist Reflections

1. What are the challenges facing EVSE infrastructure?
2. How are you working to improve grid infrastructure?
3. What programs, rebates, incentives, grants do you offer to your customers?



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Q&A - EVSE Essentials

Our Forum Continues...

Use the same Zoom link from today to attend the rest of this week's sessions.

Encourage a peer to register!

www.gsa.gov/pbsforums

10am-12:30pm eastern daily

Day 3 - Thursday June 16th

Project Management Tools

Building Diversity

