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PBS's Approach to Electric Vehicle Supply Equipment and Infrastructure

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Facilities Management and Technology
Office of Facilities Management
Public Buildings Service

March 17, 2011

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Remnants of Our Past



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GSA Today



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GSA Tomorrow



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GSA-PBS Pilot Installations



PBS's Role

- Define infrastructure requirements
- Overcome technological and policy hurdles
- Install EVSE for FAS at GSA facilities

Major Challenges

1. Availability of EVSE
2. Technical and Operational Issues
3. Transactions/Reimbursement
4. Personally Owned Vehicles
5. Installation and Equipment Costs
6. Minimum Standards

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Why Aren't There More EVSE on Schedule?



Federal Supply Schedule

August 25, 2000

FSC Class:	2320
	2540
	3830
	2330
	4210

EGSA
Federal Supply Service

Multiple Award
<http://www.fis.gsa.gov>

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What are the Technical and Operational Hurdles?

Issued an RFI in November asking EVSE manufacturers, utility providers and entrepreneurs about:

- Renewable Energy Sources
- Infrastructure (design, current & future)
- Metering
- Business Model
- Smart Grid
- Charging Model (peak / off peak)
- Operational Model

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How Do We Pay to Use EVSE?

We Use



They Accept



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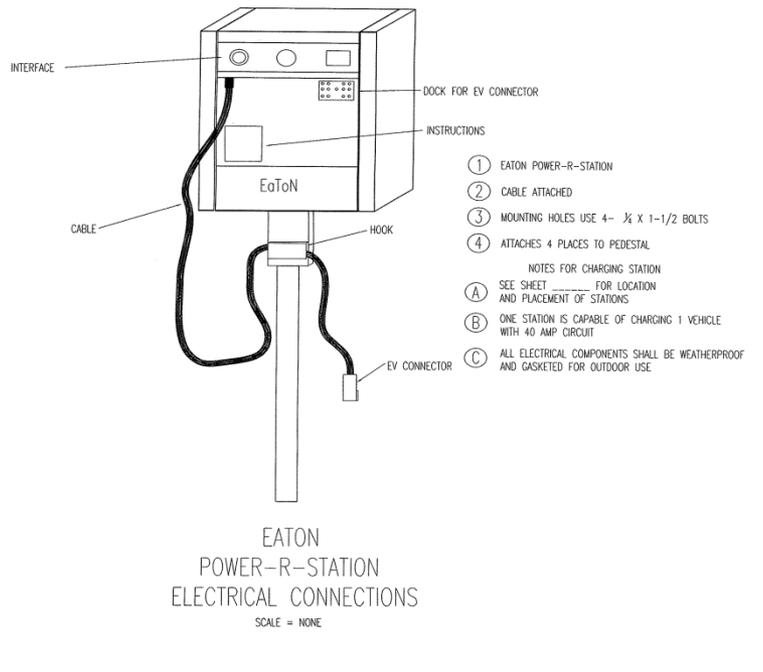
Can I Charge My EV at a Federal Building?



- Solutions
 - Change the Law
 - Out Leasing
 - Leased Parking
 - Offsite Parking

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What Are the Standards, Specifications, and Costs?



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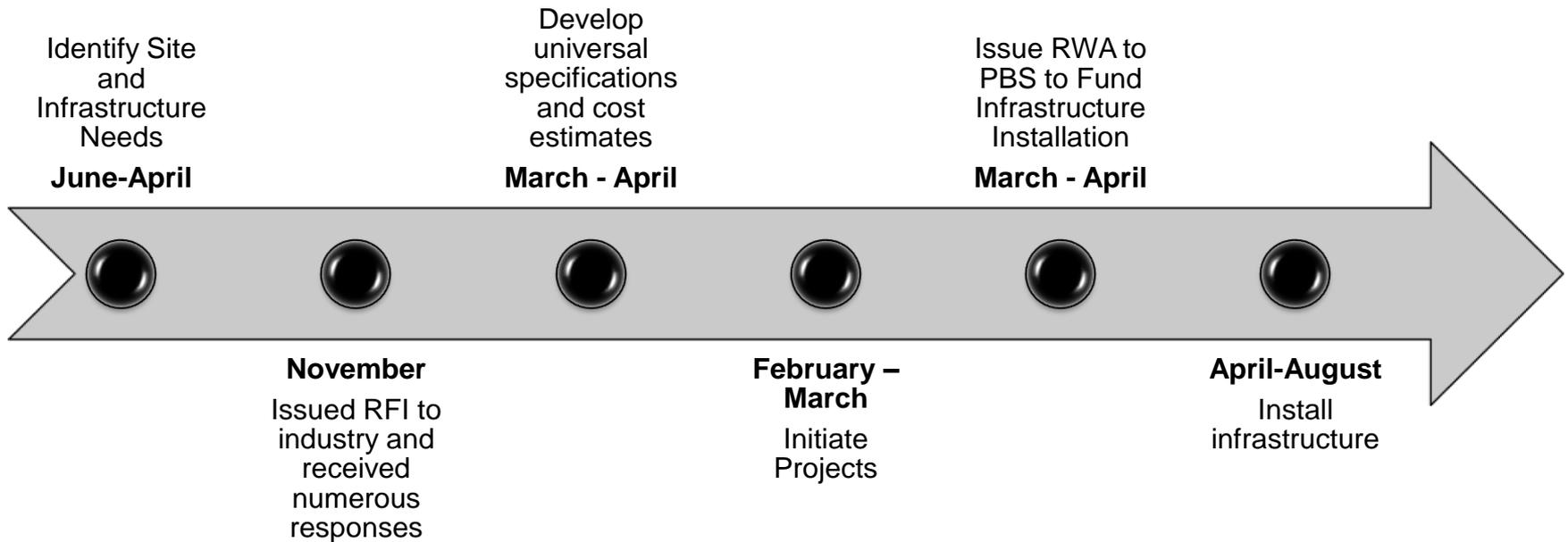
How Do We Pay For It All?

- PBS provides equipment, installation, electricity and operation on a reimbursable basis.



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Timeline



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Questions?

