1:00pm	**Welcome**	**3:15pm**	**Fleet Sustainability Requirements & Actions**

1:00pm   **Welcome**

Patrick McConnell and Marcerto

Simms

GSA, Office of Government-wide Policy

Krystal J. Brumfield, J.D., LL.M.
Chief Acquisition Officer
Associate Administrator
GSA, Office of Government-wide Policy (OGP)

1:15pm   **GSA Fleet Overview**

Miguel Welanetz, GSA Fleet
Tom Moriarty, GSA Fleet

2:00pm   **Federal Fleet Policy Overview**
Patrick McConnell, GSA OGP
Marcerto Simms, GSA OGP

2:30pm   **Federal Fleets & EISA 141- EPA Guidance**
Kristin Kenausis, EPA

3:00pm   **Break (15 minutes)**

3:15pm   **Fleet Sustainability Requirements & Actions**
Jesse Bennett, NREL
Julian Bentley, Bentley Energy

4:00pm   **Asset Level Data Reporting & Dashboards**
Ron Stewart, INL
Chouaib Touraq, GSA OGP

4:45pm   **Federal Fleet Resources & Questions**
Patrick McConnell, GSA OGP
Adlore Chaudier, Tech Systems,

Inc.

5:00pm   **Thank you for attending!**

If you have additional questions, please email vehicle.policy@gsa.gov.
Sessions and times are subject to change without notice.*

FedFleet 2024

Profile: Federal Motor Vehicle Fleets (non-tactical)

Total Inventory: 656,494

20 Large Fleets (> 2,000 veh)

Miles Traveled: 4.30 billion

Operating Costs: $5.04 billion

Fleet Composition by Vehicle Type

Trucks:
    65.4%

Sedans:
    33.3%

Buses/Ambulances: 1.5%

Fleet Composition by Agency Type

USPS: 36.7%

Civilian: 36.6%

Military: 26.7%

Fleet Composition by Vehicle Source

Agency-owned: 68.8%

GSA Fleet: 30.6%

Commercial Lease: .64%

Domestic Fleet:
    94.1%

Foreign Fleet:
    5.9%

ZEV Inventory: 2,705 (does not include low-speed vehicles)

Source: FAST, <u>FY 2022 dataset</u> (subject to change)

Learning Objectives

- Understand what fleet management is and how it supports federal agency missions.

- Learn about the complexities of being a fleet manager.

- Identify stakeholders and key components of federal fleet management.

- Know where to find additional resources and information for managing a federal fleet.

GSA Fleet Overview
Miguel Welanetz, GSA Fleet
Tom Moriarty, GSA Fleet

www.gsa.gov/FedFleet

GSA Fleet

Your one-stop shop for all fleet management solutions

Purchasing

Leasing

Short Term Rental

The **right vehicle** at the **right price** with **great customer service** and the data required to effectively and efficiently manage your fleet.

FedFleet 2024

Vehicle Purchasing

- Mandatory source for all non-tactical vehicles
  - [AutoChoice](#) - online ordering tool (soon to be replaced by GSAFleet.gov).
  - Professional engineering services including technical assistance and vehicle design services.
  - Professional contracting teams and customer staff.

- Leverage buying power of Federal Government and achieve outstanding discounts below dealer invoice
  - FY22 7.2%, FY23 2.6%, FY24 4.8%.
  - Savings up to **$100M** per year.

FedFleet 2024

Vehicle Offerings

- GSA strives to offer a wide variety of vehicles to meet your mission
  - EVs, Low GHG, E85
  - Law enforcement upfits
  - Custom engineered solutions

- GSA Fleet ensures compliance with Buy American Act, Trade Agreements Act, and applicable EOs.

- Open season will bring more options to GSA Fleet.
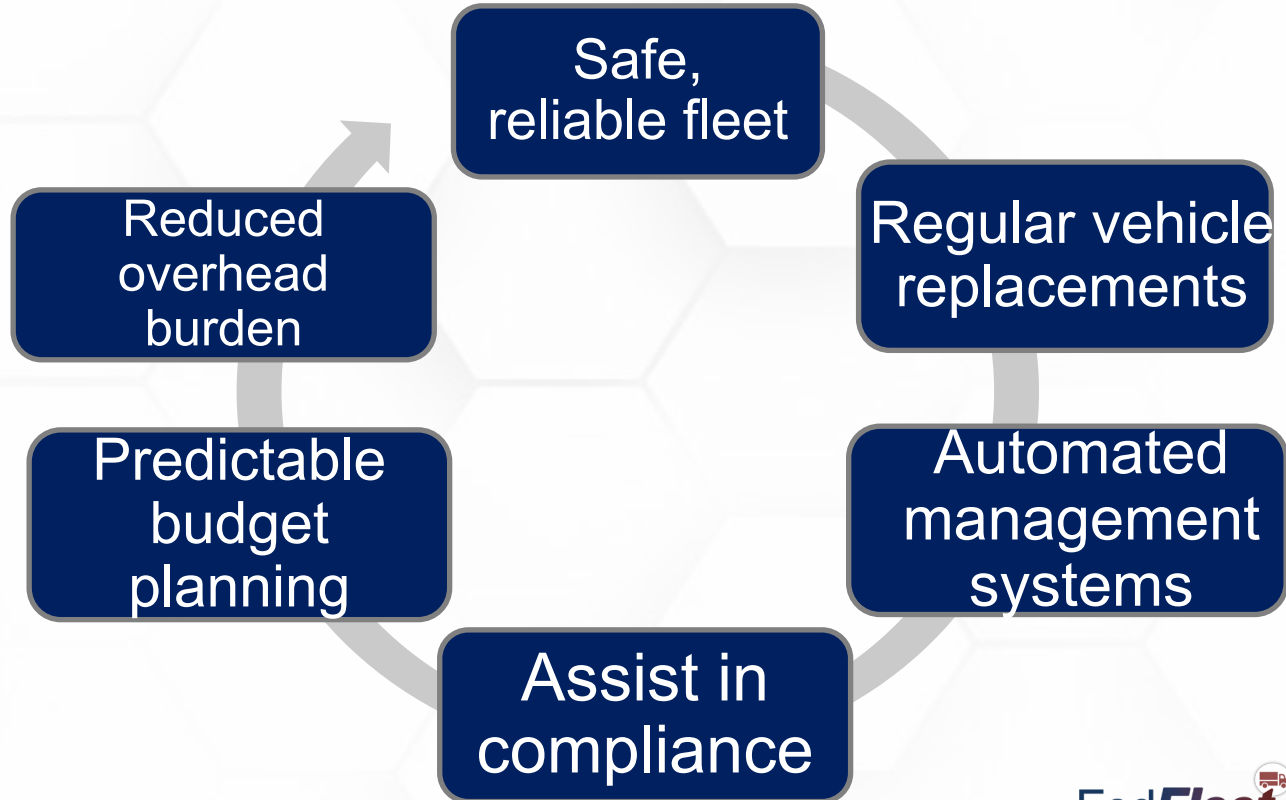
- Focus on your mission!

FedFleet 2024

State of the Market

- Supply Chain Disruptions
  - Though improving, will persist for months to come.

- Mass production ramp up for all vehicle classes is just beginning for EVs.
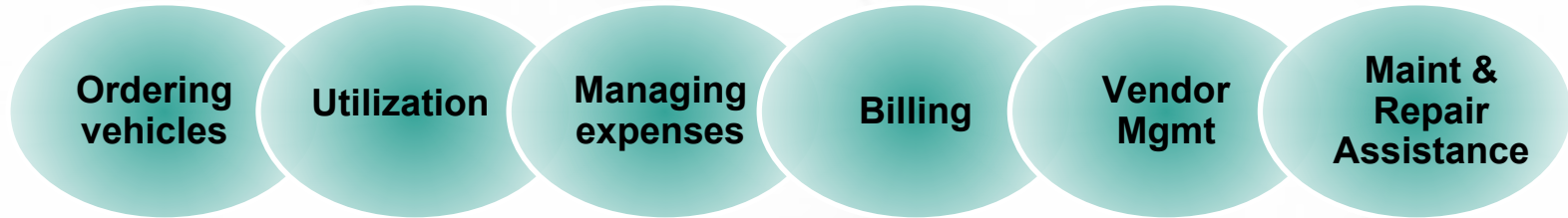
Availability

Pricing

Lead Time

FedFleet 2024

Vehicle Leasing

Safe, reliable fleet

Regular vehicle replacements

Automated management systems

Assist in compliance

Predictable budget planning

Reduced overhead burden

FedFleet 2024

Where is GSA Fleet?

American Samoa East Asia Guam

Africa Middle East US Virgin Islands Puerto

Zone 1
Zone 2
Zone 3
Zone 4
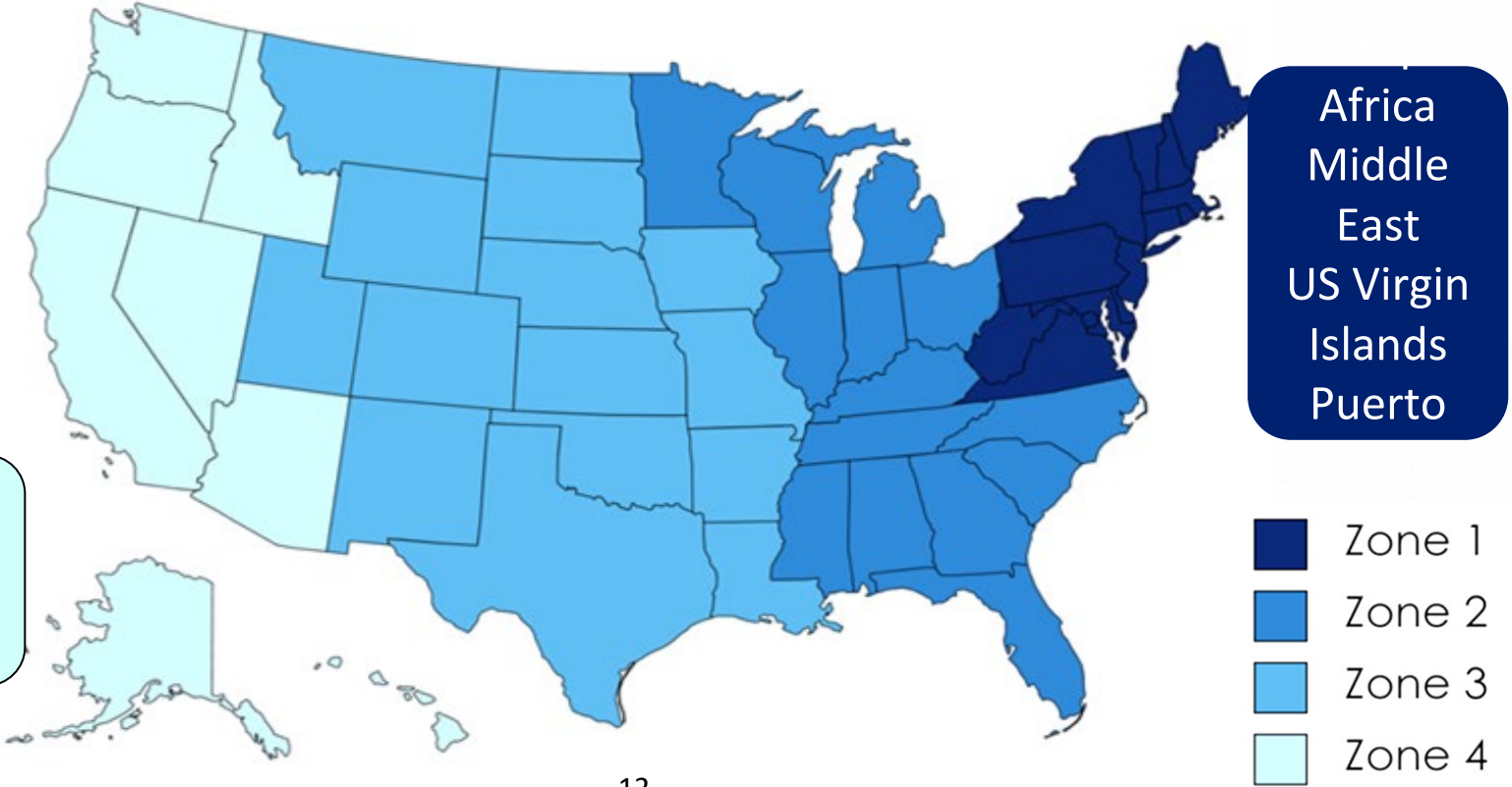
Fleet Service Representative

Relieves you of many administrative, management, and functional responsibilities of total fleet asset management

Allows you to focus time & resources on performance of your core mission

Ordering vehicles — **Utilization** — **Managing expenses** — **Billing** — **Vendor Mgmt** — **Maint & Repair Assistance**

FedFleet 2024

Fleet Service Card

- Issued to every GSA leased vehicle for fuel and maintenance:
  - All work over $100 requires GSA's PRIOR approval.
    - Vendors using AutoIntegrate are spared calling the MCC.
    - Other must call the MCC/AMC.
  - After-hours call WEX support (on back of card).
  - Half of vehicles now report mileage using telematics, with the rest keying miles at the pump (GORP).

GSA SmartPay 3 United States of America
Supporting your mission
If misuse suspected, call 1-800-424-5210
U.S Government Tax Exempt
Enter accurate odometer reading
690046
Fleet
04980 12345678 12345
GOOD THRU
11/21
GSA FLEET
G12 A3456
FOR OFFICIAL GOVERNMENT FLEET USE ONLY
wex

GSAA (06/18)   61928C001

WEX Customer Service: **1-866-WEX-4GSA (939-4472)**
  *Card Issues   *After Hours
GSA MCC/AMC: **1-866-400-0411 (listen to prompts)**
  *Maintenance Over $100 (call for prior authorization and payment)
  *Body Work
Still have questions? Visit: **www.gsa.gov/fleetcard**
This card is issued by WEX Bank.
To report lost card(s), call WEX Customer Service or return to:
Customer Service, PO Box 639, Portland, ME, 04104

FedFleet 2024

GSA Fleet Assistance Centers

Maintenance Control & Accident Management

- **1-866-400-0411**
- Trained GSA Fleet technicians available 24/7:
  - Authorize maintenance and repair over $100.
  - Assist customer in filling out accident reports.
  - Ensure vehicles get to the correct repair shop at the best price.

Customers & vehicle operators cannot obligate GSA Fleet (Government) funds to any vendor.

Fed*Fleet* 2024

Vehicle Replacement

- Replacement criteria

- Customer Acquisition Module (CAM)

- Approval Process: Local/Mid/Headquarters

- 28,278 vehicles ordered for leasing program in FY23

Customer planning

Guidance, Ordering begins

Orders reviewed and placed

Vehicles delivered

FedFleet 2024
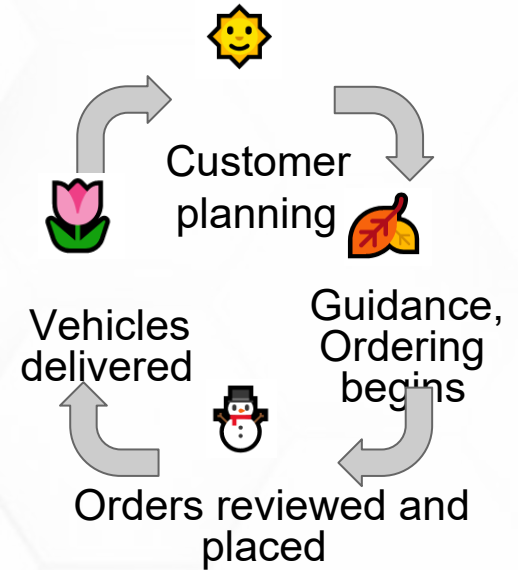
Telematics

- Per EO 14057 Implementing Instructions, A mandatory fleet management tool - all executive agencies must "deploy vehicle telematics and collect and use fleet operational data to inform fleet planning and vehicle acquisition strategies."

- Currently installing telematics across the GSA leased fleet.
  - Automated Mileage Reporting and FAST Data provided at no additional cost.

- Newly authorized OEM integrations to scale deployment.

- ProPlus Service ($13/vehicle/month) for enhanced data capture and fleet management, including access to the Electric Vehicle Suitability Assessment tool, configurable GPS services, and more.

- www.gsa.gov/telematics

FedFleet 2024

Telematics

- Currently installing telematics across the GSA leased fleet.

- Newly integrating OEM hardware to further adoption.

- Mileage is captured automatically.

- Opt-in service (at an additional cost) for enhanced data capture and fleet management.

- Sessions:
  - Thu: 9:45-10:45 EVSA and Using Telematics for Electrification
  - Thu: 11:00-12:00 Telematics and Fleet Management
  - Thu: 2:15-3:15 Connected Vehicles and Telematics

- www.gsa.gov/telematics

FedFleet 2024

Short Term Rental

- Rentals for seasonal work, surge requirements and replacements during repairs.
  - Streamlined procurement through GSA Fleet
  - www.gsa.gov/str

BENEFITS
- Lowest available commercial rates
- Easy, hassle-free procurement
- Convenient online request system, available 24/7
- Fuel cards provided
- Separate rental bill
- No fee for additional drivers
- No early turn in penalty

FedFleet 2024

Short Term Rental

- Less than 120 day rentals for vehicles
- Up to 365 day rentals for equipment

VEHICLES	EQUIPMENT
70+ types of available including:	**550+ types of available including:**
- Sedans of all sizes - Mini-vans - Passenger and cargo vans - SUVs - Light trucks - Box, flat-bed and stake trucks - Buses (without drivers) - Refrigerated trucks and trailers - Tractors and trailers	- Aerial Lifting - Compaction - Earth Moving - Forklift and cranes - Generators and electrical - Heating and AC - Trucks and utility vehicles - Light towers - Welders - Dewatering pumps

FedFleet 2024

Fleet Electrification

"We're going to turn [the Federal] Fleet into a fleet that's run on electric vehicles." - President Biden

- GSA is here to support you
  - Offerings, Planning, Infrastructure solutions and more! (gsa.gov/afv & gsa.gov/evse)
- Join us at FedFleet EV Sessions
  - Tue, Wed: 10:00-13:00   EV Ride and Drive, Expo Floor
  - Tue: 1:00-1:30   Fleet Electrification & Data Reporting
  - Tue: 3:15-4:15   EVSE Planning
  - Wed: 9:00-10:00   Consideration for Purchasing a ZEV
  - Wed: 1:45-2:15   Fleet Electrification & Data Reporting
  - Wed: 3:15-4:15   GSA ZEV & EVSE Current & Future Offerings
  - Thu: 8:30-9:30   ZEV Charging
  - Thu: 9:45-10:45   EVSA & Using Telematics for Electrification
  - Thu: 11:00-12:00   Agency Panel on Best Practices on Electrification
  - Thu: 1:00-2:00   EO 14057 & Gov-wide Electrification Progress
  - Thu: 2:15-3:15   EVSE Best Practices: Agency-wide & Site Level
  - Thu: 3:30-4:30   ZEV Planning

FedFleet 2024

Resources - Links

- Purchasing
- Leasing
- Short Term Rentals
- Vehicle Purchasing Guide
- Customer Leasing Guide
- Find a Fleet Service Representative
- AFV Guide

FedFleet 2024

Contact Us

- Leasing: gsa.fleet.acquisition@gsa.gov
- Purchasing: vehicle.buying@gsa.gov
- Damage in Transit: vehicle.claims@gsa.gov
- Telematics: fleetsolutions@gsa.gov
- AFVs & EVs: gsafleetafvteam@gsa.gov
- Law Enforcement: gsafleet.lawenforcement@gsa.gov
- General: gsafleet@gsa.gov
- Short-Term Rental: GSA_rental@gsa.gov
- GSA Fleet Training: gsa.gov/gsa-fleet-training

FedFleet 2024

Thank You!

Enjoy FedFleet 2024!

FedFleet 2024

Federal Fleet Policy Overview
Patrick McConnell, GSA OGP
Marcerto Simms, GSA OGP

www.gsa.gov/FedFleet

Federal Fleet Management

…a little of this and a little of that!

Motor vehicles are personal property assets. Many property managers also manage their agency's federal motor vehicle fleet, travel management, aircraft fleet, real property, mail management, and transportation programs.

What is a Fleet Manager?

- A Fleet Manager is more than just a manager of personal property assets.

- Fleet Managers have a role in every aspect of fleet management- acquisition, in-use management, and disposal.

- Fleet Managers exist at all levels in an agency from the field level fleet managers, to the bureau/service level fleet managers to the agency headquarters fleet managers.

- Whether you are a fleet specialist, fleet manager or fleet is "other duties as assigned" in your position, you are vital to the success of your agency's fleet program and helping your agency accomplish its mission.

Roles of the Fleet Manager

- **Manager**
- **Supervisor**
- **Communicator**
- **Financial Budget Analyst**
- **Vehicle Maintenance Technician**
- **Procurement Officer**
- **Environmental Specialist**
- **EV and EVSE Deployment Specialist**
- **Vehicle Disposal Manager**
- **Trainer**
- **Safety Officer**
- **Accident Investigator**
- **Other duties as assigned!**

Sampling of different roles between Agency and Field Level Fleet Managers

Agency Fleet Manager

- Compliance with environmental mandates
- Compliance with fleet reporting requirements- FAST, VAM, OMB-11, etc.
- Fleet replacement and lifecycle costs analysis- where's the money coming from?
- Develop internal agency policy on fleet management
- Manage the HTW program
- Agency VIPs- help!

Field Level Fleet Manager

- Answer data calls from Agency Fleet Manager

- Keeps drivers happy

- Maintain and keep vehicles on the road

- Pickup new vehicles

- Manage vehicle accidents and drivers

- Negotiate local agreements for fuel and maintenance

- Other duties as assigned

How Do Fleet Managers Support Federal Agencies?

Federal Fleet Managers provide agencies with the necessary transportation solutions required for your agency to carry out their mission requirements.
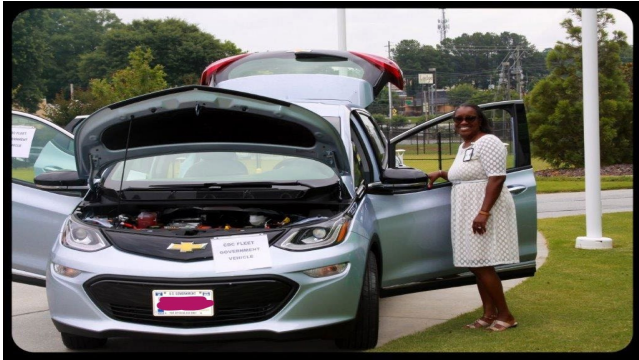
What is Fleet Management?

- Any agency that needs motor vehicles to function engages in some form of fleet operations and fleet management.

- The purpose of fleet management is to oversee all fleet acquisition and disposal activities and in-use management of the motor vehicles including maintenance in order to increase productivity and help your agency meet its mission requirements.

- Federal Fleet Management is regulated by 41 CFR 102-34 Motor Vehicle Management.

Motor Vehicle Management

41 CFR 102-34 Motor Vehicle Management

This part governs the economical and efficient management and control of motor vehicles that the Government owns, leases commercially or leases through GSA Fleet. Agencies will incorporate appropriate provisions of this part into contracts offering Government-furnished equipment in order to ensure adequate control over the use of motor vehicles.

- **Plain language, question and answer format**
- **Defines terms (vehicles types, sources of supply, replacement standards)**
- **Defines scope (Military design vehicles excluded, law enforcement vehicles excluded from most provisions)**

Fleet Management and Vehicle Life Cycle

- ## Acquisition
- ## In-Use Management
    - **Identification and Registration**
    - **Official Use**
    - **Home to Work Transportation**
    - **Maintenance**
    - **Crash Management and Reporting**
    - **Fueling**
    - **Replacement Criteria**
    - **Asset Level Data Reporting**
- ## Disposal

Motor Vehicle Management
Vehicle Acquisition

41 CFR 102-34 Motor Vehicle Management
Subpart B- Obtaining Fuel Efficient Motor Vehicles

- **Purchase and lease vehicles that achieve maximum fuel efficiency**
- **Have body types, engine sizes, and options essential to agency mission**
- **Establish and document a structured vehicle allocation methodology (VAM)**
- **Fleet average fuel economy standards published each year by the Department of Transportation (www.dot.gov)**

Dive in deeper into VAM at the VAM workshop on Wednesday, at 3:15pm!

Sources for Vehicle Acquisition:

- **Rotate vehicles to maximize utilization within your agency**
- **Pickup excess government vehicles from other agencies**
  - **GSAXcess.gov**
- **Short term rentals (less than 120 days)**
- **Purchase from GSA Fleet (mandatory source for non-tactical vehicles)**
- **Lease vehicles from GSA Fleet (non-mandatory)**
- **Lease vehicles from Commercial sources**
  - **GSA Multiple Award Schedule SIN 532112**
- **Forfeiture and Seizure (you know who you are…)**
  - **https://www.justice.gov/criminal-afmls/file/839521/download**
- **Donation**

Things to Consider:

- **Why do I need a vehicle? Transport people? Cargo? Both?**
- **When do I need the vehicle?**
- **How long do I need the vehicle?**
- **Do I have authority to acquire additional vehicles?**
- **Have I asked my agency fleet manager for approval?**
- **What is my funding source- non-appropriated funds or working capital fund?**
- **If for a mission change, is it documented in my VAM analysis and my agency's optimal vehicle profile?**
- **Are my available options in compliance with current environmental mandates?**
- **Have I considered alternatives to using a motor vehicle?**

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One Hundred Seventeenth Congress
of the
United States of America

AT THE SECOND SESSION

Begun and held at the City of Washington on Monday,
the third day of January, two thousand and twenty-two

An Act

Making consolidated appropriations for the fiscal year ending September 30, 2022, and for providing emergency assistance for the situation in Ukraine, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,

SECTION 1. SHORT TITLE.

This Act may be cited as the "Consolidated Appropriations Act, 2022".

SEC. 2. TABLE OF CONTENTS.

Sec. 1. Short title.
Sec. 2. Table of contents.
Sec. 3. References.
Sec. 4. Explanatory statement.
Sec. 5. Statement of appropriations.
Sec. 6. Adjustments to compensation.

DIVISION A—AGRICULTURE, RURAL DEVELOPMENT, FOOD AND DRUG ADMINISTRATION, AND RELATED AGENCIES APPROPRIATIONS ACT, 2022

Title I—Agricultural Programs
Title II—Farm Production and Conservation Programs
Title III—Rural Development Programs
Title IV—Domestic Food Programs
Title V—Foreign Assistance and Related Programs
Title VI—Related Agencies and Food and Drug Administration
Title VII—General Provisions

DIVISION B—COMMERCE, JUSTICE, SCIENCE, AND RELATED AGENCIES APPROPRIATIONS ACT, 2022

"...the purchase of passenger motor vehicles for replacement only."

FedFleet 2024

Motor Vehicle Management
In-Use Management

License Plate Workshop on Thursday at 1pm with GSA!

41 CFR 102-34 Motor Vehicle Management
Subpart C- Identifying & Registering Motor Vehicles

- **Display identification that indicates:**
  - **"For Official Use Only" & "U.S. Government"**
  - **Identification of the agency or service that owns or leases the vehicle (seal or tag code)**
  - **Federal license plate is the preferred location**
- **Register vehicles in the GSAFleet.gov Vehicle Registration Service**
- **Obtain US Government license plates from UNICOR**

Motor Vehicle Management
In-Use Management

41 CFR 102-34 Motor Vehicle Management
Subpart C- Identifying & Registering Motor Vehicles

Exemptions to Government license plates and identification:

- **Limited (Agency head authorizes, up to three years) can now include administrative vehicles**
- **Unlimited (investigative, law enforcement, intelligence, or security duties)**
- **Special (President & heads of Executive Departments)**

Motor Vehicle Management
In-Use Management

41 CFR 102-34 Motor Vehicle Management
Subpart D- Official Use of Government Vehicles

Official Use is:

Using a motor vehicle to perform your agency's mission(s), as authorized by your agency

Regs workshop on Tuesday at 3:15pm & repeated on Thursday at 2:15pm.

Personal liability on Thursday at 8:30am.

Motor Vehicle Management
In-Use Management

41 CFR 102-34 Motor Vehicle Management
Subpart D- Official Use of Government Vehicles

Driver responsibilities:

- **Operate, park, store, and lock as appropriate to prevent theft or damage**
- **Obey all State and Local traffic laws**
- **Use all safety devices including seat belts**
- **Pay any parking fees and fines**

Motor Vehicle Management
In-Use Management

41 CFR 102-34 Motor Vehicle Management
Subpart E- Replacement of Motor Vehicles

Minimum replacement standards:

- **Sedans - 3 years/60,000 miles**
- **Buses - Mileage only**
- **Trucks - By class, 6 years/50,000 miles minimum**

Motor Vehicle Management
In-Use Management

41 CFR 102-34 Motor Vehicle Management
Subpart I- Motor Vehicle Fueling

Obtain fuel by:

Government charge card, fuel facility, or reimbursement (See OMB Circular A-123 for Gov't. charge card guidance)

Refuel using:

The fuel type & minimum grade recommended by the vehicle manufacturer

Fleet Card Workshop on Thursday at 8:30am!

Motor Vehicle Management
In-Use Management

41 CFR 102-34 Motor Vehicle Management
Subpart J- Federal Motor Vehicle Fleet Report

The Federal Fleet Report (FFR) compiles:

- Inventory, Acquisition, Cost, Mileage and Fuel Use data for Federal motor vehicles
- Reported annually through the Federal Automotive Statistical Tool (FAST) http://fastweb.inel.gov
- FAST also used to submit data for Energy Policy Act (DOE) & OMB Circular A-11 Budget (OMB)

Motor Vehicle Management
Disposal

41 CFR 102-34 Motor Vehicle Management
Subpart H- Disposal of Motor Vehicles
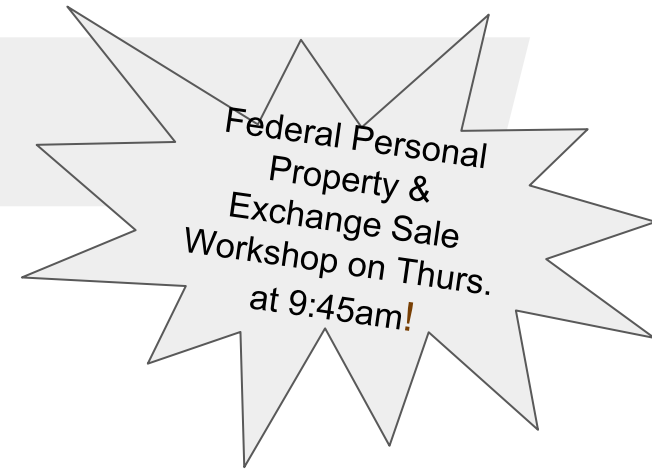
Transfer ownership as follows:

    SF 97-1 - "U.S. Government Certificate to Obtain Title to a Motor Vehicle" (Other forms may be required by jurisdiction)

Consult the following regulations for detailed instruction:

    41 CFR Part 102-38 "Sale of Personal Property"

    41 CFR Part 102-39 "Replacement of Personal Property Pursuant to the Exchange/Sale Authority"

Regulatory Bulletins
Informational in nature-- Guidance, not mandates

FMR B-2	Use of Hand-held Wireless Telephones
FMR B-3	Use of Tobacco Products in Motor Vehicles
FMR B-6	Proceeds from Sale of Agency-owned Vehicles
FMR B-11	U.S. Government License Plate Codes
FMR B-15	Requirements for MIS in Federal Vehicle Fleets
FMR B-19	Increasing the Fuel Efficiency of the Federal Fleet
FMR B-28	Federal Employee Transportation and Shuttle Services
FMR B-29	Accurately Reporting Passenger Vehicle Inventory in FAST
FMR B-31	Government Motor Vehicle Fueling During Market Shortages
FMR B-33	AFV Guidance for Law Enforcement and Emergency Fleets
FMR B-35	Home to Work Transportation
FMR B-38	Indirect Costs of Motor Vehicle Fleet Operations
FMR B-43	Vehicle Allocation Methodology for Agency Fleets
FMR B-48	Guidance on Exchange/Sale Financial
FMR B-53	Use of Government-issued Fleet Charge Cards
FMR B-2023-55	Fleet Management Information Systems

Access the latest Motor Vehicle Management advisory bulletins

Managing an Overseas Fleet

Some things to consider when managing an overseas fleet:

- **The US Government is self-insured.   Many countries do no recognize the US Government's self-insurance and require private insurance on vehicles and drivers.   If you are military, is your mission covered by a Status of Fed Fleet Forces agreement (SOFA)?**
- **The Federal Tort Claims Act only protects Federal employees from personal liability in the US.**
- **Seek Guidance from the General Services Office (GSO) at the post.**

The State Department's Foreign Affairs Manual is available online:

https://fam.state.gov/FAM/14FAM/14FAM0430.html

OPM Regulates Drivers, not GSA

- **CFR Title 5 Part 930**
  - ○ **Programs for Specific Positions and Examinations (Miscellaneous)**
  - ○ **Subpart A- Motor Vehicle Operators**
    - ■ **Definitions**
    - ■ **Medical Examinations**
    - ■ **Authorizations**
    - ■ **Corrective Actions**

- **Does your agency internal policies on drivers reference this regulation?**

National Archives and Records Administration (NARA) GRS 5.4 Facility, Equipment, Vehicle, Property and Supply Records

Formerly known as General Records Schedule 10 Motor Vehicle and Aircraft Maintenance and Operations Records

https://www.archives.gov/files/records-mgmt/grs/grs05-4.pdf

Where do I go for policy questions in my agency?

- **Agency Fleet Manager**
- **Agency General Counsel's office**
- **Agency Directives and Guidance Documents**
- **Agency Travel Manager**
- **Contracting Officer with regards to contractor use of GOVs**

Don't forget your most valuable resource to ask for assistance besides your agency's General Counsel's office and your agency fleet manager.....

Your Fellow Fleet and Property Managers!

https://www.gsa.gov/policy-regulations/policy/vehicle-management-policy/agency-fleet-manager-information

Let's talk more about your role as a communicator

Effective communication between the agency fleet manager to senior management to the field fleet managers to drivers is **CRITICAL** to a successful fleet program.

It's key to successfully influencing driver behavior and introducing new initiatives.

FedFleet 2024

Agency **DRIVERS** are focused on the mission, not vehicle management!

Use the **resources and training opportunities** offered by GSA and DOE!   Key factors to a successful fleet electrification program at your agency is communication with and training the drivers! Range anxiety is real folks! **Educate and inform** your drivers of the benefits of EVs.

Ways to Communicate

- **Agency and bureau level fleet handbooks**
- **Driver packets in vehicles**
- **Agency intranet pages**
- **Agency training workshops on fleet management**
- **Mini-training session on vehicle pickup days**
- **Agency broadcast emails on hot fleet topics**
- **Agency social media pages with fleet articles and info blasts**
- **Fleet Specific events at HQ and the field level (Earth Day, Driver Safety Week, etc.)**
- **Agency videos on driving GOVs**
- **Send posters out to the field on the do's and don'ts when driving a GOV**
- **Regularly scheduled working groups between HQ, Field and Drivers**
- **Driver and field fleet manager incentives**
- **Fleet email box for questions**

What now?

- Know your inventory
- Meet your customers and understand their missions
- Manage your budget
- Explore alternate forms of transportation
  - Public transportation
  - Motor pool/car sharing
  - Interagency sharing
  - POV
  - Uber, Lyft
- Communicate- internally and externally
- Ask for help!

You've Got Motor Vehicle Policy Questions?
We've Got Answers

vehicle.policy@gsa.gov

www.gsa.gov/vehiclepolicy

EISA §141 – Federal Fleet Low GHG Emitting Vehicle Mandate

Kristin Kenausis
January 22, 2024

www.gsa.gov/FedFleet

Why mandate low GHG emitting vehicles?

2021 U.S. GHG Emissions by Sector

- Transportation – 29%
- Electricity – 25%
- Industry – 23%
- Agriculture – 10%
- Commercial – 7%
- Residential – 6%

2021 U.S. Transportation Sector GHG Emissions by Source

- Light–Duty Vehicles – 58%
- Medium– and Heavy–Duty Trucks – 23%
- Aircraft – 8%
- Other – 6%
- Rail – 2%
- Ships and Boats – 3%
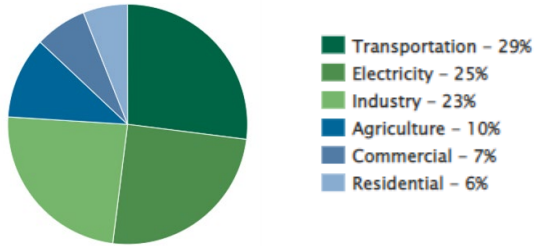
- Transportation #1 for GHG emissions

- Light duty vehicles #1 in transportation sector
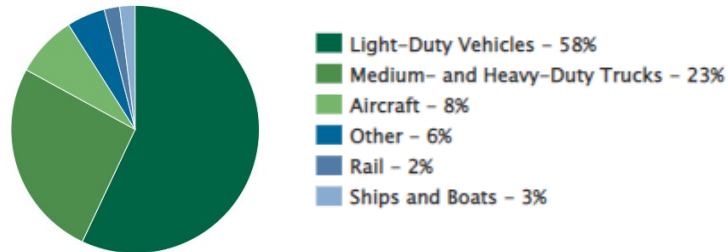
The Federal Fleet can lead by example by lowering their GHG footprint.

Source: Inventory of U.S. Greenhouse Gas Emissions and Sinks 1990–2021

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EISA §141 – Requirements

What does EISA §141 require?

1. All covered vehicles acquired by <u>all branches</u> of the Federal government **must be** low GHG-emitting vehicles.

2. EPA determines criteria for low GHG-emitting vehicles each model year.

Which vehicles are covered?

1. EISA §141 applies to all individual light-duty and medium-duty passenger vehicles and light-duty trucks

2. Provides for individual vehicle exceptions
   - ✓ Functional Need
   - ✓ Alternative Measures

Type of Vehicle	
Light Duty Vehicles	√
Medium Duty Passenger Vehicles	√
Heavy Duty Vehicles	X

EISA §141 – Allowable Exceptions

1. **Functional Need**

   May buy non-EISA §141 compliant vehicles to perform duties/functions for which there is no acceptable low GHG emitting vehicle.

2. **Alternative Measure**

   May implement cost-effective alternative measures that result in an equivalent amount of GHG emission reductions.

   ➤ *E.g.,* buying a 2024 Chevy Bolt (EISA §141 compliant) gives you flexibility to buy a 2024 GMC Terrain (not EISA §141 compliant)

Agency head, or designee, must certify each exception

EISA §141 – Responsibilities

EPA is required to

1. Analyze fleet data each model year (MY) to determine criteria for low GHG emitting vehicles for the subsequent MY
2. Provide a list of EISA §141 compliant vehicles each MY

Federal Fleet Managers are required to

1. Ensure all covered vehicles acquired by your agency or office are either:
   - Low GHG-emitting for the model year <u>OR</u>
   - Fall under one of the two allowable exceptions
2. Maintain the files for your certified use of exceptions
3. Enter accurate EISA §141 compliance data in FAST

Defining a Low GHG-Emitting Vehicle

- The CO_2 g/mile level is set so that [*approx*.] 25% of cars and LD trucks will be designated low GHG-emitting

EISA §141 Compliance Thresholds (maximum grams/mile of CO^2 emissions)			
Vehicle Type	**MY 2022**	**MY 2023**	**MY 2024**
Passenger Cars	260	250	245
Light-duty Trucks, MPPVs	360	345	330

EISA §141: FAST Data

1. Ensure data is robust.

2. Ensure only reasonable use of functional needs exception. (FUN)

3. Avoid the use of the noncompliance (NON) option.

4. Use N/A for heavy duty vehicles (see slide #2)

N/A	YES	NON	FUN	ALT	FOR	NMD	LAW	GLR	Total	Compliance
226	40	238	0	0	0	0	0	0	504	14.4%
1,051	221	617	819	0	5	0	8	0	2,721	62.8%
521	151	226	35	284	0	0	0	3	1,220	67.5%
7	45	196	0	0	0	0	0	0	248	18.7%
431	246	307	2,334	1,868	8	15	10	6	5,225	93.5%
56	118	2,029	46	0	28	0	64	0	2,341	7.5%
84	44	16	251	0	545	106	4	1	1,051	94.9%
324	77	74	128	54	0	0	0	0	657	77.8%
2	167	10	102	0	0	0	0	1	282	96.4%
119	70	0	167	0	0	0	0	0	356	100.0%
403	937	210	154	0	0	1	6	0	1,711	83.9%
19	134	20	71	0	0	0	0	0	244	91.1%
53	35	2	16	0	0	0	0	0	106	96.2%
1,406	2	0	9,082	0	0	0	12	0	10,502	100.0%
155	188	216	225	0	17	0	0	0	801	65.7%
455	17	1,405	0	1	0	0	0	2	1,880	1.3%
1,741	732	1,628	140	59	192	10	10	8	4,520	36.4%
538	209	1,279	0	0	169	1	0	0	2,196	14.0%
202	143	354	122	0	0	0	0	2	823	42.8%
8,036	3,804	8,986	13,966	2,266	1,068	133	117	35	38,411	69.04 %

Agency data

FY22 Total Fed Fleet →

EISA §141: FAST Data

Good news! FY22 data continues to show improvement

Overall Reported EISA §141 Compliance in FAST							
FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22
66%	65%	58%	59%	59%	47%	67%	69%

*Compliant vehicles include those acquired with functional needs or alternative measures exceptions

- EPA publishes most recent compliance levels by agency on <u>our website</u> annually

- May also choose to publish data on EPA's social media accounts

EISA §141: FAST Data

- FY 2022 EISA §141 Fed Fleet Compliance Level = **69%** (per FAST)

REPORTED EISA 141 PROGRAM COMPLIANCE FOR FY22			
>95%	**80-95%**	**50-80%**	**<50%**
DEPT OF LABOR	DEPT OF STATE	DEFENSE AGENCIES	CORPS OF ENGINEERS, CW
DEPT OF STATE	HOMELAND SECURITY	DEPT OF AGRICULTURE	DEPTS OF AIR FORCE, ARMY, NAVY, MARINE CORPS
DEPT OF TREASURY	VETERANS AFFAIRS	DEPT OF ENERGY	DEPT OF COMMERCE
DOT	GSA	DEPT OF THE INTERIOR	DEPT OF EDUCATION
EPA		NATIONAL ARCHIVES	DEPT OF JUSTICE
NASA		SMALL BUSINESS ADMINISTRATION	HHS
SOCIAL SECURITY ADMIN		SMITHSONIAN	HUD
TENNESSEE VALLEY AUTHORITY		USAID	NSF
U.S. POSTAL SERVICE			OPM
			USAID

EISA §141 & Executive Order #14057

EO #14057 Goal – Fed Fleet transition to ZEVs

- 100% LD acquisitions by 2027

- 100% MD/HD acquisitions by 2035

How does this affect EISA 141?

- ZEVs have no tailpipe emissions!

- EISA §141 mandate fills gap until EO is fully implemented

- EISA §141 remains in place for the judicial and legislative branches (Senate exception)

Bonus Content: EV Information for Fed Fleet Users

EPA's Green Vehicle Guide

https://www.epa.gov/greenvehicles

EV Basics

Electric & Plug-In Hybrid Electric Vehicles

Electric vehicles (EVs) have a battery instead of a gasoline tank, and an electric motor instead of an internal combustion engine. Plug-in hybrid electric vehicles (PHEVs) are a combination of gasoline and electric vehicles, so they have a battery, an electric motor, a gasoline tank, and an internal combustion engine. PHEVs use both gasoline and electricity as fuel sources. More on PHEVs.

Watch the video to learn how electric vehicles and different types of plug-in hybrid electric vehicles work.

Visit EV Myths to learn even more facts about electric vehicles.

Emissions

EVs produce no tailpipe emissions. While charging the battery may increase pollution at the power plant, total emissions associated with driving EVs are still typically less than those for gasoline cars—particularly if the electricity is generated from renewable energy sources like wind.

PHEVs produce tailpipe emissions when gasoline is being used as a fuel source.

To estimate the greenhouse gas emissions associated with charging and driving an electric or plug-in hybrid electric vehicle where you live, visit our Greenhouse Gas Emissions for EVs and PHEVs Calculator.

3-minute video on how EVs work

Input your average (gas) MPG and annual mileage → See how your GHG emissions compare to an average EV

EV Charging: From the Basics to the Details

Charging My Electric Vehicle

CHARGING MY ELECTRIC VEHICLE

Level 1
- Charging cord is typically provided with electric vehicle (EV) purchase.
- Adaptor/charger plugs into a standard wall outlet.
- Provides about 5 miles per hour of charging.
- Great option for overnight charging.

120 Volts

Level 2
- Faster charge than Level 1.
- Provides about 25 miles per hour of charging.
- If you have a long daily commute, consider installing a Level 2 charger at home.
- Consult with an electrician to install a Level 2 charger at home.
- Level 2 charging can also be found at some workplaces and parking garages. Visit Department of Energy's (DOE's) station locator to find Level 2 charging locations near you.

240 Volts

DCFC
- DCFC - Direct Current Fast Charging.
- Fastest way to charge your vehicle.
- Provides about 100-200+ miles per 30 minutes of charging.
- Many newer EVs have the capability of taking a fast charge.
- Three types of connectors. The type of connector your EV takes depends on the manufacturer and model.
- DCFC is available at some public charging stations. Visit DOE's station locator to find up-to-date DCFC locations.

https://www.epa.gov/greenvehicles

Plug-in Electric Vehicle Charging: The Basics

Charging your all-electric vehicle (EV) or plug-in hybrid electric vehicle (PHEV)–together known as plug-in electric vehicles (PEVs)–is similar to charging other electronics. One end of an electrical cord is plugged into your car, and the other end is plugged into a power source or charging equipment.

View Infographic

CHARGING MY ELECTRIC VEHICLE

There are three categories of charging equipment based on how quickly each can recharge a car's battery. Charging times for PEVs are also affected by:

- How much the battery is depleted
- How much energy the battery can store
- The
- Tem

Frequent Questions about Plug-In Electric Vehicle (P Charging

- Can I use any charger?
- Is my PEV-charging experience similar to filling up my ca station?
- What does it mean when some chargers list ampera (a some list kilowatts (kW)?
- How do I pay to charge my PEV?
- Can I get reimbursed for installing a charger at home or at my workplace?
- How does the cost of charging compare to gasoline?

Volts, Amps, and Watts. Oh My.

Voltage (Volts): The measure of electrical potential. Like pressure, it measures how strongly electricity is being "pushed" through a circuit. Volts = watts / amps.

Amperage (Amps): The measure of the flow of electricity. Like volume, it measures how much electrical charge is moving past a given point in one second. This term is used when describing the amount of electric current that a circuit can provide. Amps = watts / volts.

Kilowatt (kW): The measure of electrical energy that is equal to 1,000 watts. A 50kW charger is five times more powerful than a 10kW charger. Using a water pipe analogy, it refers to how much water (or energy) is flowing through a pipe at any point in time.

Kilowatt-Hour (kWh): The measure of how much electrical energy flows (generally used or dispensed) over one hour. Using a water pipe analogy, you can think of kWh as the equivalent to how much water comes out of the pipe and into a bucket in one hour. The size of a PEV battery is measured in kWh, which describes the total energy capacity. If the useable battery capacity is 100 kWh, and the vehicle gets two miles per kWh, then the range would be 200 miles per charge. kWh = (kW × hours).

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EV Myths

Electric Vehicle Myths

On this page:

- Myth #1: Electric vehicles are worse for the climate than gasoline cars because of power plant emissions.
- Myth #2: Electric vehicles are worse for the climate than gasoline cars because of battery manufacturing.
- Myth #3: The increase in electric vehicles entering the market will collapse the U.S. power grid.
- Myth #4: There is nowhere to charge.
- Myth #5: Electric vehicles don't have enough range to handle daily travel demands.
- Myth #6: Electric veh[...]
- Myth #7: Electric veh[...] vehicles.

Myth #2: Electric vehicles are worse for the climate than gasoline cars because of battery manufacturing.

- **FACT: The greenhouse gas emissions associated with an electric vehicle over its lifetime are typically lower than those from an average gasoline-powered vehicle, even when accounting for manufacturing.**

Some studies have shown that making a typical EV can create more carbon pollution than making a gasoline car. This is because of the additional energy required to manufacture an EV's battery. Still, over the lifetime of the vehicle, total GHG emissions associated with manufacturing, charging, and driving an EV are typically lower than the total GHGs associated with a gasoline car. That's because EVs have zero tailpipe emissions and are typically responsible for significantly fewer GHGs during operation (see Myth 1 above).

For example, researchers at Argonne National Laboratory estimated emissions for both a gasoline car and an EV with a 300-mile electric range. In their estimates, while GHG emissions from EV manufacturing and end-of-life are higher (shown in orange below), total GHGs for the EV are still lower than those for the gasoline car.

Lifecycle GHGs for an Electric Vehicle and a Gasoline Car

Gas car — 74% Vehicle In-Use, 71, 17% Feedstock & Fuel, 9% Battery

EV with 300-mile range — 65%, 17%, 18%

Battery | Other Manufacturing & End of Life | Feedstock & Fuel | Vehicle In-Use

Myth #3: The increase in electric vehicles entering the market will collapse the U.S. power grid.

- **FACT: Electric vehicles have charging strategies that can prevent overloading the grid, and, in some cases, support grid reliability.**

It is true that the increasing number of electric vehicles (EVs) on the road will lead to increased electricity demand. Yet, how that impacts the grid will depend on several factors, such as the power level and time of day when vehicles are charged, and the potential for vehicle-to-grid (V2G) charging [3] among others.

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BREAK

See you back here in 15 minutes!

Fleet Sustainability Requirements & Actions
Jesse Bennett, NREL
Julian Bentley, Bentley Energy

www.gsa.gov/FedFleet

Agenda

1	**FEMP & Federal Fleet Program**
2	**E.O. 14057 and Federal Fleet Requirements**
3	**Federal Fleet Snapshot**
4	**FEMP Resources**

FEMP: Thought Leadership in Federal Sustainability

WHITE HOUSE
FEMP works with the White House to support the implementation of E.O. guidance and compile agency scorecard data.

AGENCIES
FEMP tracks annual progress to legislative and E.O. goals while providing technical assistance and project support.

CONGRESS
FEMP works with Congress to support legislative initiatives and report on agencies' annual progress.

INDUSTRY
FEMP works with industry to bring private-sector technologies and replicable solutions to the federal space.

NATIONAL LABS
FEMP leverages national laboratory expertise to develop training and tools for agency use.

FEMP

FEMP works with its stakeholders to **enable federal agencies** to:

- Meet energy-related goals
- Identify affordable solutions
- Facilitate public-private partnerships
- Support energy leadership by identifying government best practices

How Can the FEMP Fleet Team Help?

Web Resources	Direct Technical Assistance	Training *(Webinars, Videos, Meetings)*	Data Reporting
Guidance on Requirements	FEVAR and INTERFUEL	EV & EVSE Expertise	Fleet Management Support
		Integration with Other Programs & Stakeholders	Integration with DOE National Labs

U.S. DEPARTMENT OF **ENERGY** Office of ENERGY EFFICIENCY & RENEWABLE ENERGY

Federal Fleet Management

The latest fleet efficiency information, tools, and resources

FedFleet 2024

Agenda

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Administration Priority: *Transitioning to a ZEV Fleet*

Executive Order 14057

100% light-duty ZEV acquisitions by FY27

100% overall ZEV acquisitions by FY35

Update annual ZEV strategic plans

Federal Fleet Sustainability Requirements

The overarching Federal fleet goals are to reduce fleet GHG emissions and transition to clean, zero-emission technologies

Reduce GHG Emissions
E.O. 14057

Acquire Zero-Emission Vehicles

E.O. 14057

Develop and Update Zero-Emission Fleet Strategy

E.O. 14057

Reduce Petroleum Consumption

EISA Sec. 142

Increase Alternative Fuel

EISA Sec. 142

Acquire Low Emitting GHG Vehicles

EISA Sec. 141

Establish VAM to Right-size Fleets

GSA FMR Sec. 102-34.50

Report Annually

EPAct 1992, EPAct 2005, ECRA 1998

Acquire AFVs

EPAct 1992

Use Alternative Fuel in AFVs

EPAct 2005 Sec. 701

Install Renewable Fuel Pumps

EISA Sec. 246

Agenda

1 **FEMP & Federal Fleet Program**

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4 **FEMP Resources**

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FY 2022 Federal Fleet Compliance Summary

Requirement		FY 22 Performance	
EISA §142 Petroleum Reduction	Reduce annual petroleum use by **20%** from FY05 baseline	🟡 *-3.3%*	**24 of 28** *covered agencies achieved compliance*
EISA §142 Alternative Fuel Use	Increase alternative fuel use by **10%** from FY05 baseline (greater than **5%** of total fuel use)	🔴 *-11.4%*	**4 of 28** *covered agencies achieved compliance*
		Alternative fuel 1.9% of total fuel use	
EPAct 92 AFV Acquisitions	**75%** of "covered" light-duty vehicle (LDV) acquisitions must be AFVs	🟡 *61%*	**21 of 28** *covered agencies achieved compliance*

Petroleum Reduction: Most Agencies Achieved Targets
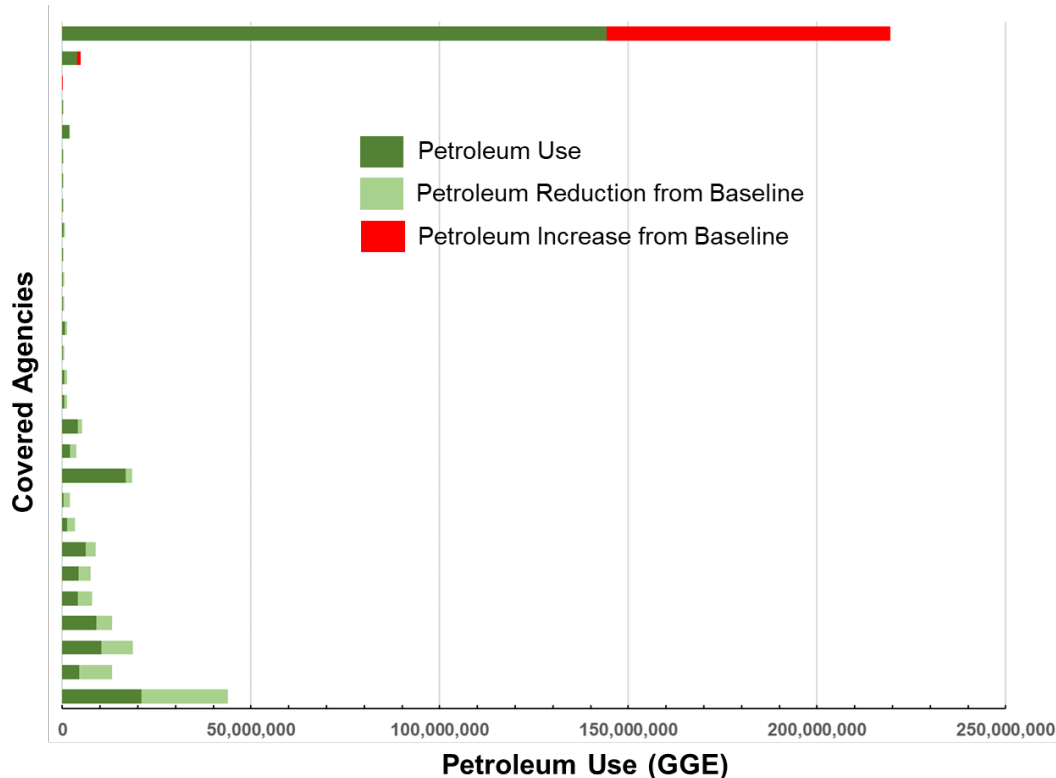
Most agencies (**24 of 28)** reduced petroleum use by more than 20% from their FY05 baseline

Only 6 agencies reduced petroleum use compared to FY21 (overall 4.5% increase)

Increased petroleum use for one agency drove overall Federal fleet petroleum use increase

Excluding this agency results in 41% overall Federal fleet reduced petroleum use compared to FY05 baseline

Alternative Fuel: Lower Use Trend Continues

FY 19 AF Use: 10.23M GGE
- Electricity, 37,339
- LPG, 255,934
- Renewable Diesel, 200,133
- Others, 472
- Biodiesel, 388,040
- CNG, 117,351
- E85, 9,226,714

FY 20 AF Use: 6.51M GGE
- Electricity, 34,066
- LPG, 116,526
- Renewable Diesel, 59,567
- Others, 255
- Biodiesel, 258,764
- CNG, 140,038
- E85, 5,903,449

FY 21 AF Use: 6.07M GGE
- Electricity, 29,375
- LPG, 240,171
- Renewable Diesel, 20,627
- Others, 188
- Biodiesel, 263,778
- CNG, 46,116
- E85, 5,470,402

FY 22 AF Use: 6.14M GGE
- Electricity, 22,026
- LPG, 133,967
- Renewable Diesel, 74,059
- Others, 188
- Biodiesel, 255,685
- CNG, 44,931
- E85, 5,613,998

36.3% Reduction in Alternative Fuel Use

6.8% Reduction in Alternative Fuel Use

1.2% Increase in Alternative Fuel Use

- For some agencies, alternative fuel decreases far greater than petroleum decreases
- E85 reductions since FY19 driving alternative fuel performance
- Electricity, LPG, and Biodiesel use remained steady or increased

AFV Acquisitions: FY00 to FY22
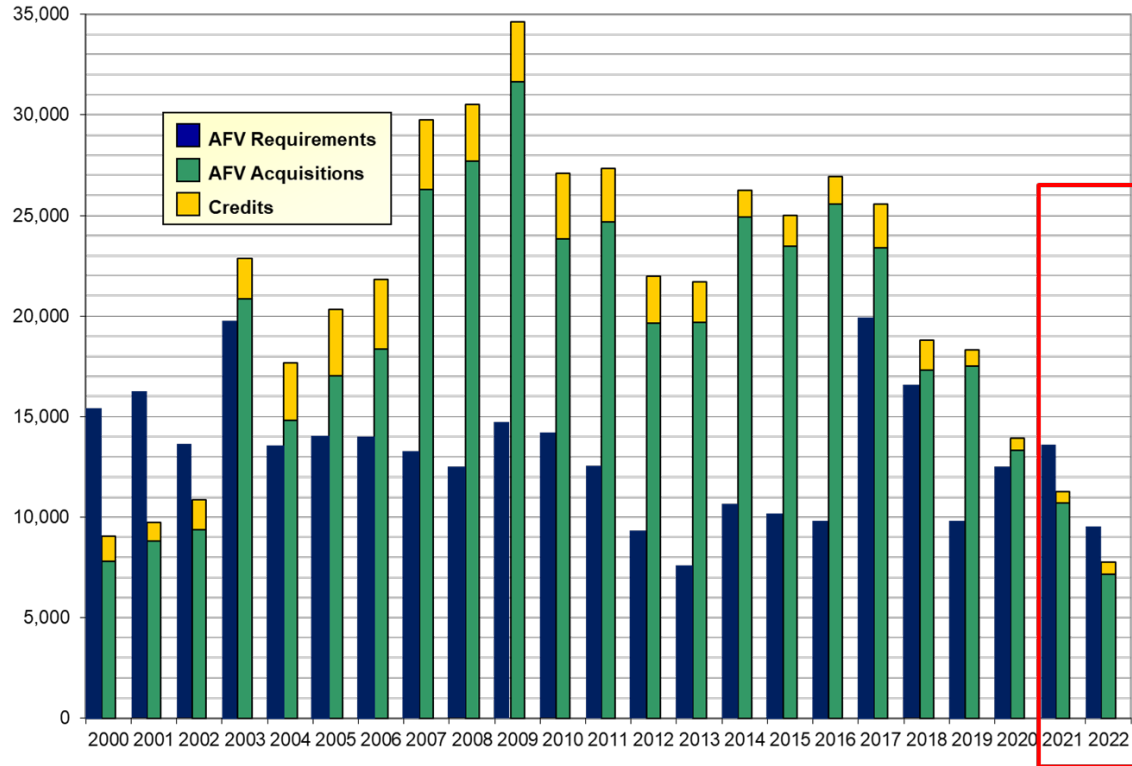
AFV Acquisitions: Continued Lower E85 FFVs Credits

EPAct AFV Acquisition Credits as Percent of Covered Acquisitions by Credit Type

Legend: FY19, FY20, FY21, FY22

Category	FY19	FY20	FY21	FY22
HEVs	23.5%	20.3%	17.6%	2.7%
EVs	1.9%	1.1%	0.8%	2.7%
FFVs	99.4%	49.6%	34.4%	18.7%
Low GHG	8.0%	8.5%	6.3%	0.9%
Biodiesel	6.1%	3.6%	3.1%	2.1%
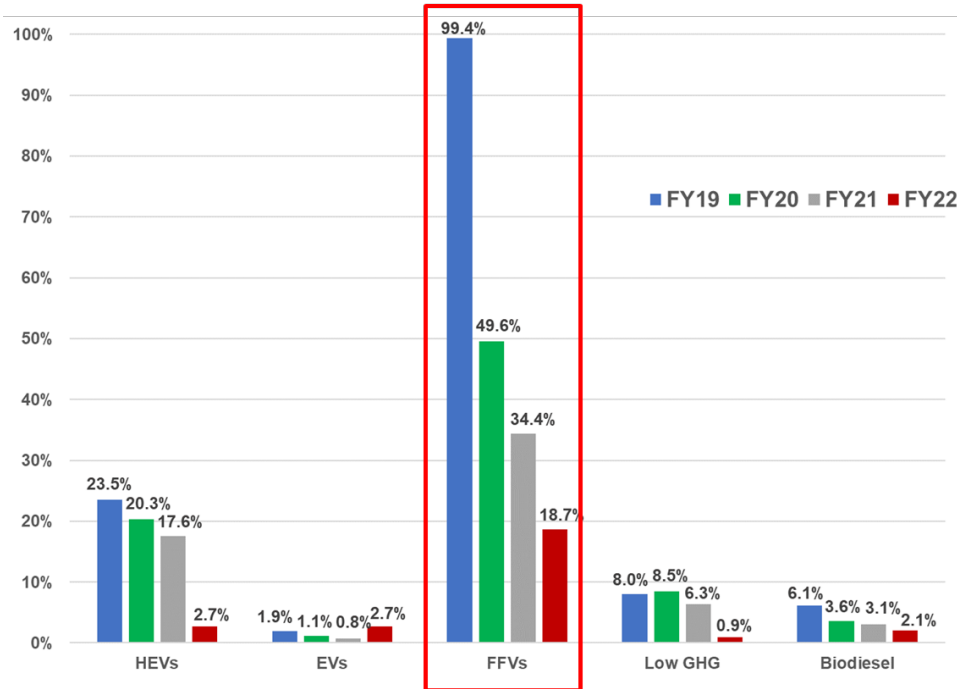
- EPAct compliance fell from:
    — 142% in FY19 to
    — 83% in FY20 to
    — 62% in FY21 to
    — 61% in FY22

- E85 FFV acquisitions primary reason for reduced credits

- All other categories of AFV credits lowered slightly, with exception of EVs

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What Types of Vehicles Comprise the Federal Fleet?

FY22 Federal Fleet Composition by Vehicle Type (Excluding USPS)

20.9% LD Pickups	**18.7%** Sedans	**9.7%** MD Pickups
20.3% LD SUV	**7.3%** HD	**6.1%** MD Van / **5.7%** MD Other
	6.3% LD Minivans / **1.9%** LD Van / **1.7%** Buses	**0.5%** LSEV / **0.4%** MD SUV

LD Other, 0.2%   Ambulance, 0.2%
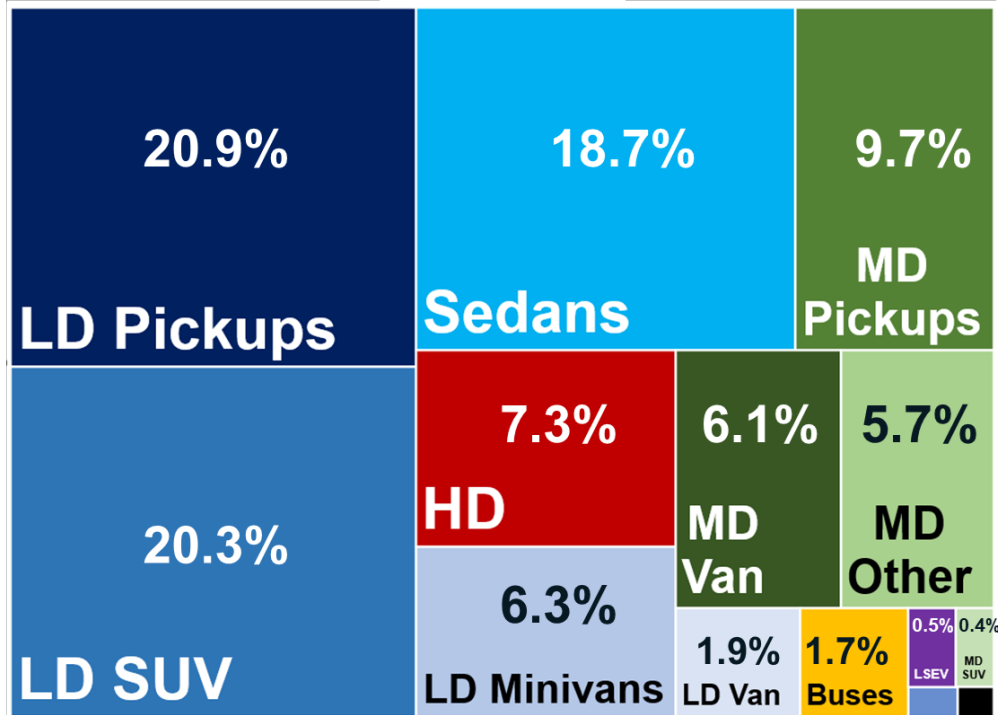
Three primary vehicle types (***LD Pickups, LD SUVs and Sedans***) represent ~60% of non-USPS fleet

Federal Fleet ZEV Acquisition Progress in FY23
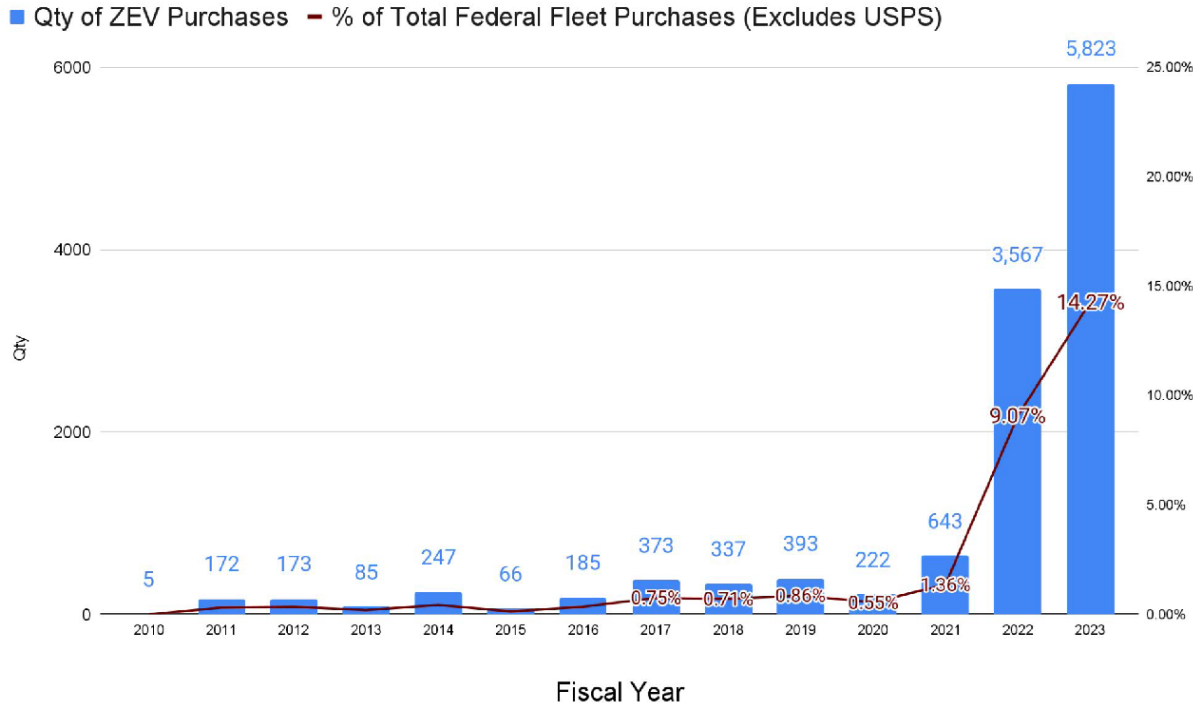
- The Federal Fleet ordered **5,823 ZEVs in FY23**

- Represents **14.3% of total orders** and 17.9% of total light-duty orders

Current Available ZEVs from GSA by Vehicle Type

18.7%
Sedans

Sedan BEVs
Nissan Leaf	$26,940	149 mi.
Nissan Leaf+	$35,100	212 mi.
Tesla Model 3	$49,591+	272/315 mi.
Hyundai Ioniq 6	$39,668+	240/361 mi.

20.3%
LD SUV
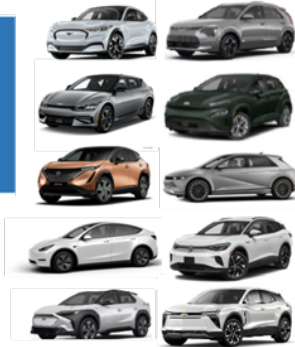
LD SUV BEVs
Ford Mach-E	$42,302+	224/312 mi.
Kia EV6	$45,398+	232/282 mi.
Nissan Ariya	$38,556+	205/304 mi.
Tesla Model Y	$51,166+	244/330 mi.
Subaru Solterra	$47,207	228 mi.
Hyundai Kona EV	$37,161	258 mi.
Kia Niro EV	$40,749	253 mi.
Hyundai Ioniq 5	$40,785+	220/260 mi.
VW ID.4	$42,490+	255/275 mi
Chevy Blazer	$53,745	279 mi.
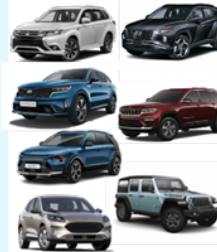
LD SUV PHEVs
Outlander PHEV	$41,942	24 mi.
Kia Sorrento	$50,855	32 mi.
Kia Niro	$35,966	34 mi.
Ford Escape	$37,388	37 mi.
Hyundai Tuscon	$38,035	33 mi.
Wrangler Rubicon	$61,762	22 mi.
Grand Cherokee	$56,607	26 mi.

20.9%
LD Pickups

Light-duty Pickup BEVs
Ford F150 BEV	$48,623+	240/320 mi.
Chevy Silverado	$76,398+	393/450 mi.

Current Available ZEVs from GSA by Vehicle Type

6.3%
LD Minivans

LD SUV PHEVs
Chrysler Pacifica $51,444   32 mi.

6.1%
MD Van

1.9%
LD Van

Van BEVs
Ford E-Transit $49,988+ 126 mi.

> **EVs currently available for
> 77% of Federal Fleet (*Excluding USPS*)**

Growth of Public Charging Stations

January 2024 Charging Stations and Outlets (AFDC)

	Stations	Outlets
Level 2	52,918	122,522
DC Fast	8,899	38,022

2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
430	465	814	3,410	12,000	19,460	26,077	31,003	40,075	47,117	57,187	67,344	94,852	116,387	136,513	160,544
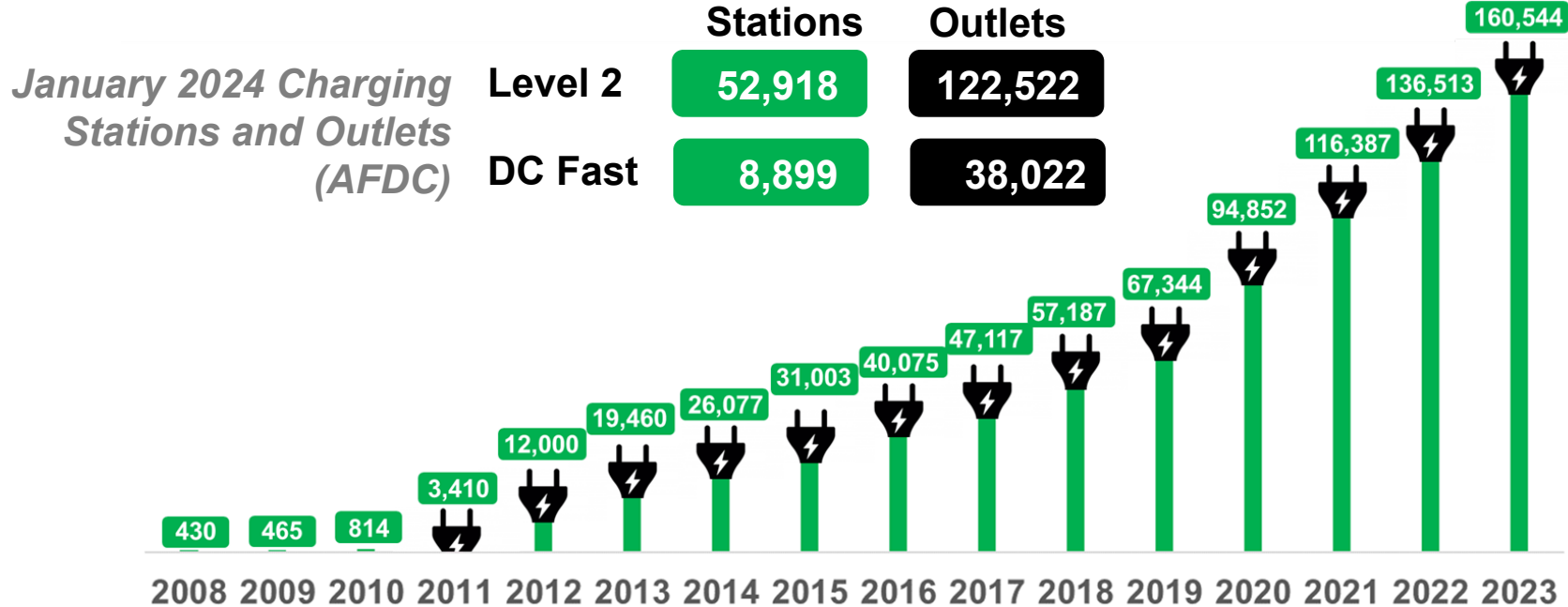
Sources: AFDC, Statistica, Bloomberg New Energy Finance

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FEMP Federal Fleet Management Website

EV technical assistance

Federal Fleet performance data

Fleet Requirements Resource Center

Working Groups

Federal Automotive Statistical Tool (FAST)

Fleet Sustainability Dashboard (FleetDASH)

Fleet cybersecurity

Resources

Case Studies

www.energy.gov/femp/fleet-electrification-and-optimization
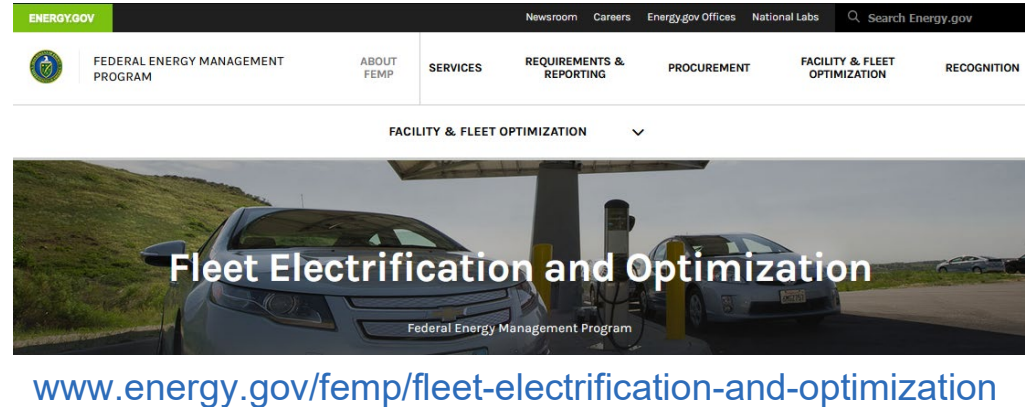
Federal Fleet Requirements Resource Center

Overview of Fleet Statutory Requirements

Provides a high-level summary of federal fleet statutory requirements.

Applicability to Federal Agencies

Details applicability of fleet requirements to federal agencies and vehicles.

Reporting

Provides information on the GSA FMR on fleet management information systems.

Petroleum Reduction

Provides EISA § 142 requirements and resources for petroleum reduction.

Alternative Fuel

Provides EISA § 142 and 246 and EPAct 2005 § 701 requirements related to alternative fuel.

Vehicle Acquisition

Provides EPAct 1992, EISA § 141, and GSA FMR Part 102-34 requirements related to acquiring vehicles.

Best Practices: Fleet Management Framework

FEMP recommends a framework for fleet managers to develop, implement, and execute an overall fleet-specific petroleum reduction strategy.

Best Practices: Sustainable Fleet Core Principles

FEMP recommends best practices to right-size fleets, reduce miles traveled, improve efficiency, and more.

Electric Vehicle Resources

ZEV Ready Center

Provides a process and guide to help federal fleet and facility managers deploy zero-emission vehicles and electric vehicle supply equipment.

EV Toolkit

Resources including a fleet electrification checklist, utility finder, and more.

EV and EVSE Reporting

Summarizes statutory requirements and offers FEMP tools and best practices.

Electric Vehicle Training

Attend live trainings, access on-demand courses, and watch videos to develop expertise in fleet electrification.

Acquiring Vehicles and EVSE

Information related to electric vehicles and electric vehicle supply equipment acquisition.

Charging Program Guide

Offers details for agency facility managers, transportation personnel, employees, and vendors regarding the charging of electric vehicles at government-owned and leased buildings.

Fleet Electrification Success Stories

Examples of successful electric vehicle adoption and electric vehicle supply equipment installation throughout the federal fleet.

Managed Charging, Bidirectional Charging, and EVs for Mobile Storage

Describes EVSE and EVs as load management energy conservation measures and provides procurement information.

Federal Fleet ZEV Ready Center

Site-level fleet electrification doesn't just happen
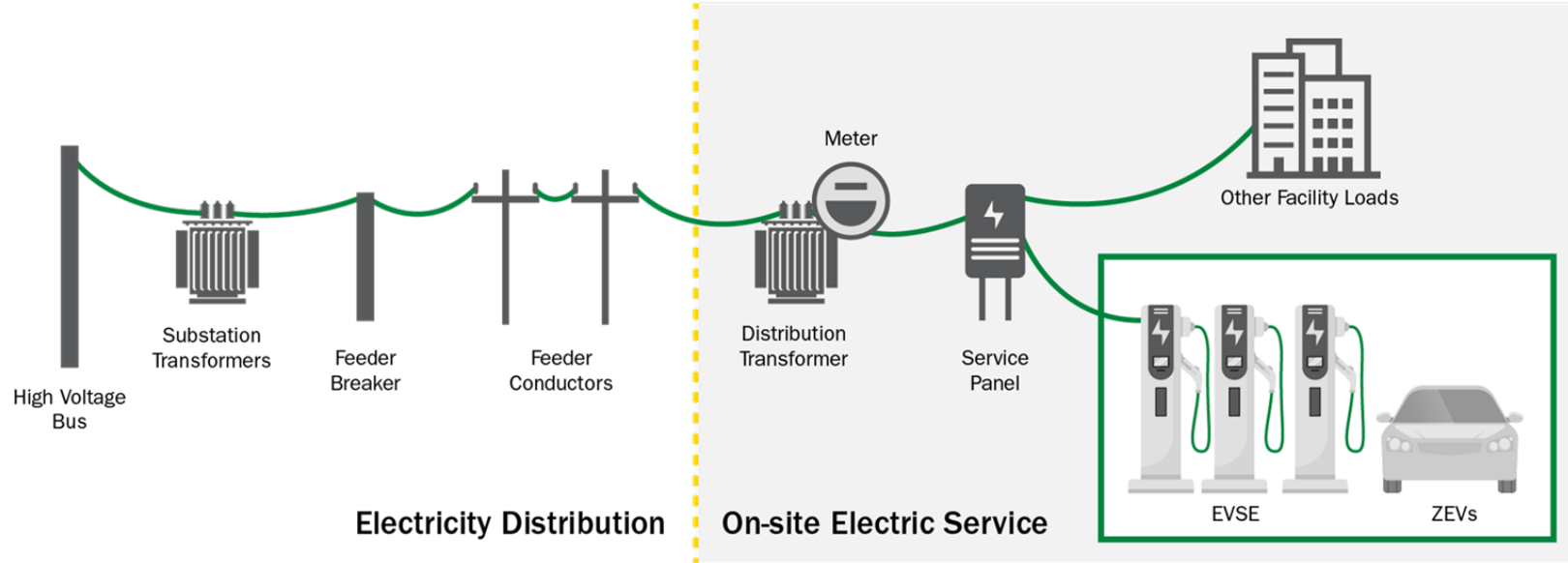
What is "ZEV Ready"?

Framework to **simplify and guide fleets through the process** to electrify each fleet location

Planning → Design → ZEV Active

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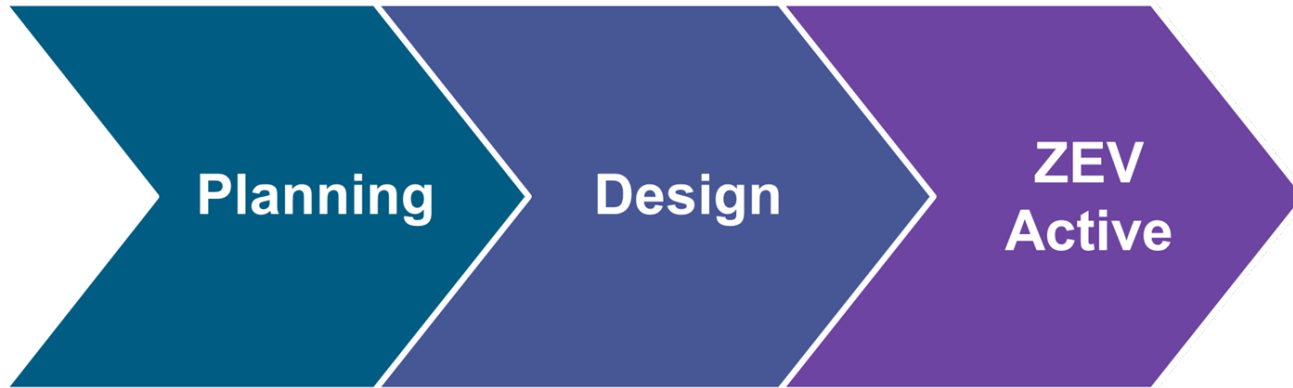
Teamwork and Coordination

The ZEV Ready Solution

Helps sites **engage and form a team** of key electrification stakeholders

Supports **coordination and collaboration**

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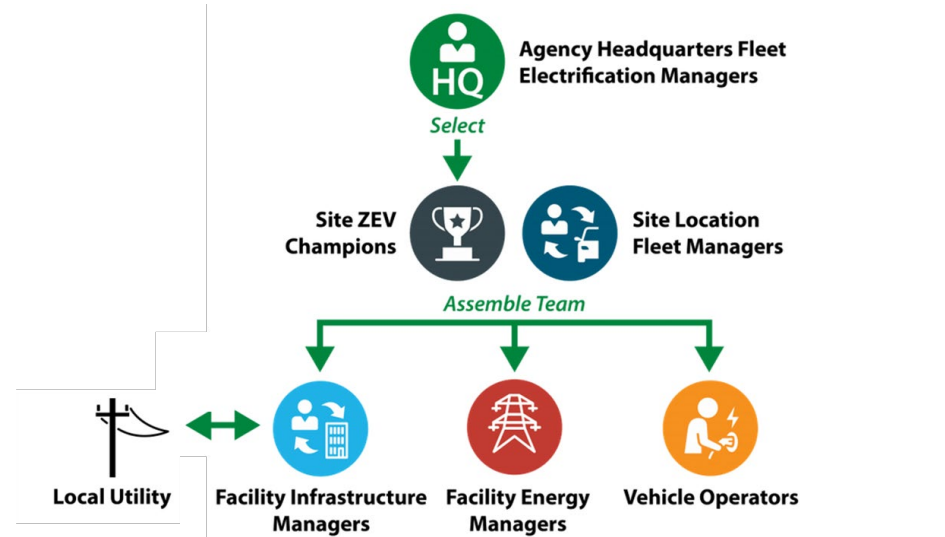
Guidance and Tools

The ZEV Ready Solution

Integrates with web-based guidance targeted to each stakeholder's needs

Centralized access to **FEMP/GSA fleet electrification resources**

Federal Fleet ZEV Ready Center

Federal Energy Management Program

Federal Energy Management Program » Facility & Fleet Optimization » Fleet Electrification & Optimization » Electric Vehicles » Federal Fleet ZEV Ready Center

The Federal Energy Management Program's (FEMP's) Federal Fleet ZEV Ready Center provides a process and guide to help federal fleet and facility managers select and acquire zero-emission vehicles (ZEVs) and electric vehicle supply equipment (EVSE)—or electric vehicle (EV) charging stations—for their fleet.

Download the **ZEV Ready Tracker** and email **Federal Fleets** to begin the ZEV Ready designation process.

Overview of the ZEV Ready Fed Fleet Electrification Process

ZEV Ready Designation Steps

ZEV Ready Simplifies Site-level Fleet Electrification

Planning

Step 1 — Identify and coordinate team — Team Ready

Step 2 — Review training materials — Team Ready

Step 3 — Review requirements, goals, and data — Commitment Ready

Step 4 — Align headquarters strategy with site planning — Commitment Ready

Step 5 — Identify ZEV opportunities — Vehicle Ready

Step 6 — Identify EVSE opportunities — Charging Ready

Step 7 — Coordinate site financial planning with headquarters — Commitment Ready

Design

Step 8 — Engage with key electrification stakeholders at site — Team Ready

Step 9 — Coordinate with local utility service — Charging Ready

Step 10 — Complete site assessment and design EVSE — Charging Ready

Step 11 — Identify EVSE at non-agency locations — Charging Ready

Step 12 — Work with leadership to secure EVSE funding — Commitment Ready

ZEV Active

Step 13 — Acquire ZEVs and EVSE — ZEV Ready

Step 14 — Install and activate EVSE — ZEV Ready

Step 15 — Support drivers in using ZEVs and EVSE — ZEV Ready

> **FEMP's recommended site-level fleet electrification planning process consists of 15 process steps organized into three phases**

ZEV Ready is Organized into 4 Planning Component Areas

Team Ready Steps
1. Identify and coordinate team
2. Review training materials
8. Engage with key electrification stakeholders at site

Vehicle Ready Steps
5. Identify ZEV opportunities (5 years)

Charging Ready Steps
6. Identify EVSE opportunities (5 years)
9. Coordinate with local utility service
10. Complete site assement and design EVSE
11. Identify EVSE at non-agency locations

Commitment Ready Steps
3. Review requirements, goals, and data
4. Align headquarters strategy with site planning
7. Coordinate site financial planning with headquarters
12. Work with leadership to secure EVSE funding

Benefits

Identify key stakeholders

To-do list for optimal process

Requires communication

Design guidance

Honor sites as "ZEV Ready"
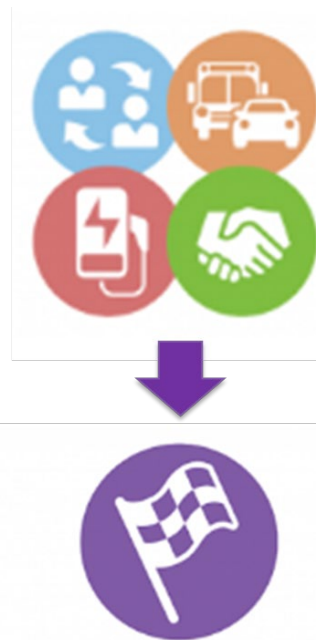
ZEV Ready Tracker

Track progress and earn FEMP designation

ZEV Ready Step	Action	Complete?	Stakeholders
1. Identify and coordinate team **Team Ready**	Identify a site ZEV champion	Not Started	🟢HQ 🏆
	Identify key electrification stakeholders at site	Not Started	🏆 🔀 🏢 ⚡
	Identify other stakeholders to ensure a coordinated approach	Not Started	🏆 🔀 🏢 ⚡

🟢 **HQ** Agency Headquarters Fleet Electrification Managers

🏆 Site ZEV Champion

🔀 Site Location Fleet Manager

🏢 Facility Infrastructure Manager

⚡ Facility Energy Manager

⚡ Vehicle Operator

Monitoring ZEV Ready Progress at a Site

ZEV Champion manages ZEV Ready designation

1. Assigns and coordinates actions with key stakeholders

2. Enters completion of each action in ZEV Ready Tracker

3. Tracker monitors ZEV Ready status

4. Site designated as overall ZEV Ready when all four ZEV Ready components are complete

Team Ready

Vehicle Ready

Charging Ready

Commitment Ready

EV Toolkit: ZPAC Tool

ZPAC Process

Step 1: Define Fleet Site Locations	Step 2: Evaluate Vehicles and Plan ZEV Acquisitions	Step 3: Evaluate EVSE Needs for ZEV Acquisitions	Step 4: Evaluate High Level Plan

ZPAC Vehicle Location Definition

User provides the site location for each vehicle.

Fleet Information					Key Input	FAST Vehicle ID	FAST VIN (from Vehicle ID)	License Plate (FleetDASH)
					STEP 1. REQUIRED			
FAST Fleet Parent Name	FAST Fleet Abbreviation	FAST Fleet Name	BOAC (FleetDASH)	FAST ZIP	Site Name (Entry Necessary to relate to EVSE Needs & Prioritization Tab)			
Fleet Parent 1		Fleet 1	BOAC 2	ZIP 1	Site 1	VIN 1	VIN 1	TAG 1
Fleet Parent 1		Fleet 1	BOAC 2	ZIP 1	Site 1	VIN 2	VIN 2	TAG 2
Fleet Parent 1		Fleet 1	BOAC 23	ZIP 2	Site 1	VIN 3	VIN 3	TAG 3

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Which Vehicles to Electrify?

Step 2: Evaluate Vehicles and Plan ZEV Acquisitions
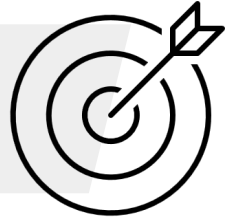
		BEV Considerations				Decision Point
BEV SIN Availability	Modeled BEV Range Concerns*	Reported BEV Range Concerns (Dropdown)	BEV GHG Emission Reduction Potential	Quality of BEV Candidate		ZEV Preference
2 - Similar BEV	3 - Unknown		1 - Very High	2 - Good		BEV
2 - Similar BEV	2 - Some Public Charging Likely		1 - Very High	2 - Good		BEV
				2 - Good		
				2 - Good		
2 - Similar BEV	4 - Frequent Public Charging Likely		1 - Very High	3 - Mediocre		
2 - Similar BEV	5 - Very Frequent Public Charging Likely		1 - Very High	4 - Challenging		Eliminate

ZEV replacement available?

Nightly charging sufficient? Limit mission disruption

Fuel, cost, and emissions benefits?

User Identifies ZEV Targets

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How Many EVSE of What Type?

Location summaries are created based on planned ZEVs.

Priority	Site Information			BEVs - Level 2 Charging Ports		PHEVs - Level 1 Charging Ports	
Priority EVSE Deployment	Agency	Site Name	ZIP	Existing Level 2 Ports at Site	Planned Additional Level 2 Ports at Site	Existing Level 1 Ports at Site	Planned Additional Level 1 Ports at Site
Yes	Federal Agency	Site 1	ZIP 1	2	12	1	1

Vehicle Location Summary

Size EVSE for specific locations and ZEV targets

Summary Planning Metrics

Priority EVSE Deployment Sites

Buildings: Building 1110, Building 1308, Building 1310, Building 1407

Legend:
- Existing Level 2
- Level 2 Suggested
- Planned Level 2
- Existing Suggested
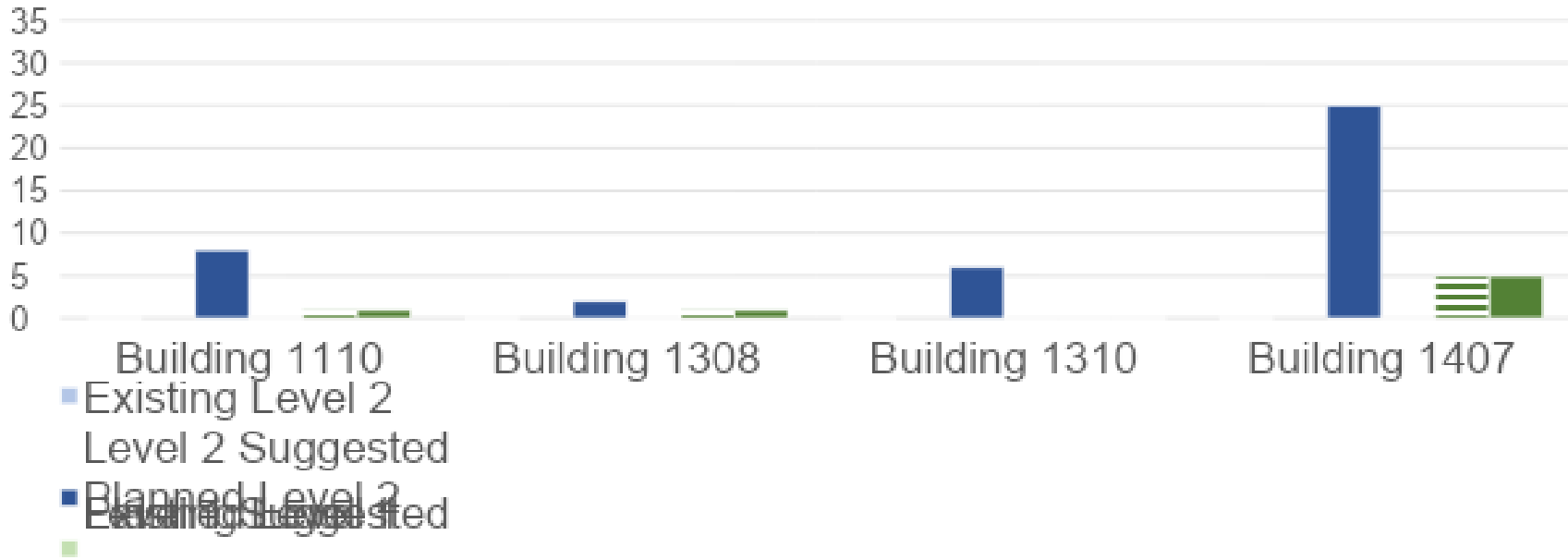
EV Toolkit: EVI-Locate

Electric Vehicle Infrastructure – Locally Optimized Charging Assessment Tool and Estimator

Plan charging station deployments

Assess site-specific electrical needs

Calculate local project costs

EVI-Locate

Define Site
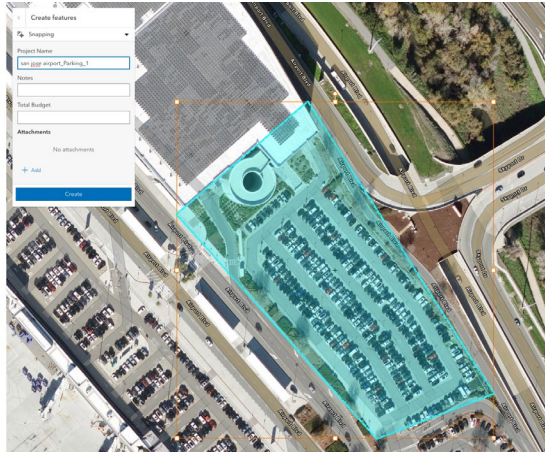
Select and Locate Chargers

Identify Utility and Service Panel Needs and Connect the Dots

Total of new **Generic Level 2 Dual Port Pedestal** EVSEs Added: 5

EVI-LOCATE Generates Detailed Cost Estimates

Estimated Cost of EVSE Installation at (San Jose in California)

For Project: San Jose airport parking 3

EVI-LOCATE Generates Detailed Cost Estimates

Estimated Cost of EVSE Installation at (San Jose in California)

For Project: San Jose airport parking 3

EVI-LOCATE Generates Detailed Cost Estimates

Estimated Cost of EVSE Installation at (San Jose in California)

For Project: San Jose airport parking 3

Case Studies

Title	Category	Agency	Location	Type
Beale Air Force Base: Implementing Electric Mobile Power Stations With Forklift and Scissor Attachments	Distributed Energy; Fleets; Resilience Planning	DOD	CA	Web page
Golden Gate National Recreation Area Assessed ZEVs and EVSE Possibilities with the FEMP EVSE Tiger Team	Fleets	DOI	CA	Web page
Automating NREL's Fleet Vehicle Reporting With Telematics	Fleets	DOE	CO	Web page
EVSE Upgrades in NREL's Parking Garage Generate Financial Benefits	Fleets	DOE	CO	Web page
Managed Charging Minimizes Costs in National Renewable Energy Laboratory's Parking Garage	Fleets	DOE	CO	Web page
Propane-Powered Buses in Fleet School Districts	Fleets	DOD	CO	Web page
Funding Opportunities Enable EVSE Projects at DOD, DOT, and State Agencies	Fleets	DOD	DC	Web page
National Park Service, United States Park Police: Electric Motorcycles	Fleets	DOI	DC	Web page
U.S. Army Corps of Engineers: Prioritizing Electric Vehicle Charging Station Projects	Fleets	DOD	DC	Web page

Federal successes

EVSE Tiger Teams

Reporting streamlining

Charging management

Questions

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National Renewable Energy Laboratory
Jesse.bennett@nrel.gov

Julian Bentley

julian.bentley@hq.doe.gov
julian@bentleyenergy.com

Contact the Team:

federal_fleets@hq.doe.gov

Thank you!

FedFleet 2024

Asset Level Data Reporting & Dashboards
Ron Stewart, INL
Chouaib Touraq, GSA OGP

www.gsa.gov/FedFleet

Federal Motor Vehicle Fleet Data Reporting

Ron Stewart
FAST Support Team
Idaho National Laboratory

🌐 www.gsa.gov/FedFleet

Why do we report fleet data?

- **Lots of different requirements for Federal vehicle fleets**
  - EPACT, EISA, FAST Act, A-11, EO, FMR, …

- **Different Federal stakeholders have oversight roles**
  - GSA, DOE, OMB, CEQ, EPA, …
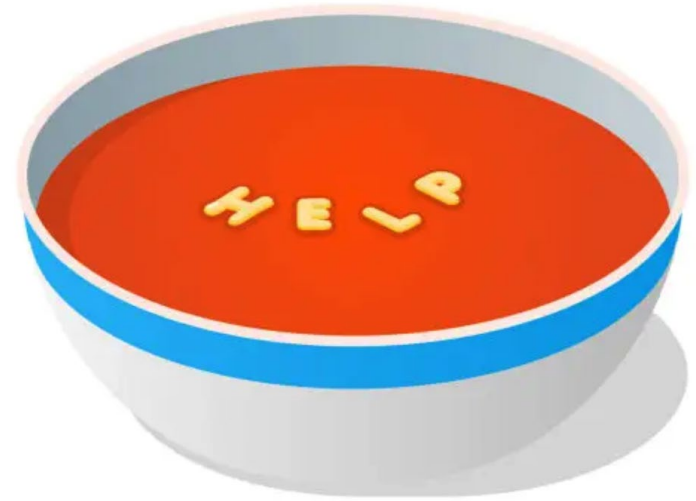
How do we report fleet data?

FAST: Federal Automotive Statistical Tool
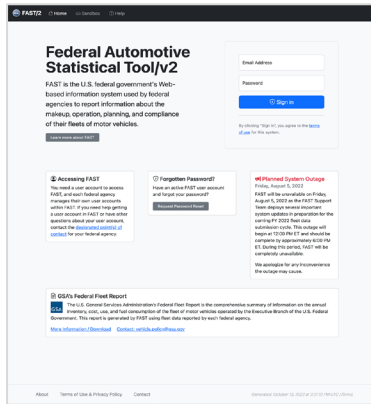
PARTNERS

U.S. DOE Federal Energy Management Program

U.S. GSA Office of Government-wide Policy

Idaho National Laboratory

Additional Stakeholders
Office of Management & Budget
Council on Environmental Quality
U.S. Environmental Protection Agency

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What fleet data do we report?

- **Annually…**
  - Fleet data submission (make-up and operation of vehicle fleet) – due mid-December
  - Fueling center & EVSE inventory – due mid-November
  - Fleet budget submission & management plans – due August
- **Quarterly…**
  - EVSE deployment submission (planning and deployment of EVSE) – due end of quarter
- **As-needed…**
  - Optimal fleet profile from Vehicle Allocation Methodology (VAM) studies

Where can we learn more? … get help?

- **Your HQ fleet manager!**

- **FAST's Help Site**
  https://fastweb.inl.gov/help/

- **FAST Support Team**
  FASTsupport@inl.gov

- **Federal Fleet Community**
  FedFleet, INTERFUEL, FEVAR

Background

- **Annual Reporting:** Agencies report motor vehicle fleet data annually under the Subpart J of the 41 CFR 102-34 Motor Vehicle Management regulation, utilizing the Federal Automotive Statistical Tool (FAST), cosponsored by GSA and the Department of Energy, collects Fleet data from **October 1 through December 15** for the previous fiscal year.
- **Public Data Summary:** GSA's Office of Asset and Transportation Management makes a summary of this data available to the public. This summary includes annual agency motor vehicle fleet inventory, cost, fuel consumption, and usage data, accessible via multiple GSA.gov sites.
    1. Federal Fleet Report (FFR) Open Data Set: A collection of spreadsheets summarizing inventory, fuel consumption, cost, and utilization of the motor vehicle fleet at the Federal and agency fleet levels. This data is available on the GSA.gov Vehicle Management Policy website.
    2. Federal Fleet Report (FFR) Dashboard, developed through GSA's Office of Evidence and Analysis, is a Tableau-based tool that is used for sorting, filtering, aggregating, analyzing, and visualizing the FFR Open Data Set. It caters to specific interests in the federal motor vehicle fleet and is accessible on GSA's D2D platform without requiring user login, including dashboards from FY14 onwards.

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Introducing: Fleet Asset Level Data Tools

- Two Additional Tableau-based tools will be made available to government agencies and are hosted on GSA's D2D platform:
  1. **High Level Fleet Dashboard**
  2. **Fleet Executive View**
- Access will be automatically granted to users in the "GSA OGP MA Asset Level Data" user group.
- Users with accounts to access GSA's D2D platform that are not in this group will be granted access on request. The introduction of these dashboards aims to enhance data transparency and support agencies in optimizing fleet performance and resource utilization.

High Level Fleet Dashboard

Fleet Executive View

FedFleet 2024

Navigating the D2D Portal and Dashboard

Getting Started:

1. Register with **MAX.GOV**: Use your federal (.gov) email to register. Visit the [D2D Portal MAX Login Page](#) and follow the [registration instructions](#):
   a. For first time login, use VPN or a valid PIV/CAC card, and follow new login [instructions](#).
   b. After the first time, enjoy simpler access with [one-click login](#)
2. Email us (vehicle.policy@gsa.gov) to request access to the ALD Dashboard Tools after logging into D2D

Need Additional Help:

- MAX Registration Issues: maxsupport@max.gov
- D2D Login/activation Issues: AskD2D@gsa.gov

Federal Fleet ALD Dashboard Summary

Asset Level Data Dashboard

- Offers **advanced** metrics for a detailed view of the fleet, including vehicle age and electric vehicle details
- Aids in **analyzing** costs associated with low-utilized vehicles and planning for zero emission vehicle deployment
- Supports **data decision-making** for optimizing agency fleets and strategic fleet management.

High Level Fleet Dashboard
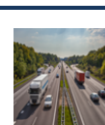
Fleet Executive View

- Tailored for **leadership**, providing a quick, **clear overview** of fleet data
- Includes **filters** for detailed analysis, such as fiscal year, agency type, and vehicle location
- Features **timeline graphs** for Zero Emission Vehicles, inventory levels, miles traveled, and operating costs
- Designed for an **easy** understanding of key fleet metrics and trends

ABOUT THIS REPORT

Created by the Office of Government-wide Policy (OGP) to provide detailed insight into the Federal government fleet. This dashboard pulls data from the published Federal Fleet Report to create interactive visualizations, which allow users to slice and dice the data to their analysis needs. This dashboard can be used to analyze the government fleet and inform agency and government policies regarding vehicle purchasing and utilization.

Please click the GSA icon on this report page to open the visualization.

For data questions, please contact vehicle.policy@gsa.gov or gsafleet@gsa.gov.

Fleet Asset Level Data Dashboard

Navigate to **https://d2d.gsa.gov/report/asset-level-data-dashboard** *to view the ALD Dashboard Tool*

Fleet composition overview and detailed analytics of vehicles and usage

Tracks and analyzes agency and regional parks performance, vehicle types, usage patterns, and zero-emission vehicle adoption

Customizable filters for agency type, vehicle category, cost analysis, and more

Sourced from Federal Automotive Statistical Tool (FAST)

Asset Level Data Dashboard

Add Bookmark | Add to myReports

High Level Fleet Dashboard

Fleet Executive View

ABOUT THIS REPORT

Created by the Office of Government-wide Policy (OGP) to provide detailed insight into the Federal government fleet. This dashboard pulls data from the published Federal Fleet Report to create interactive visualizations, which allow users to slice and dice the data to their analysis needs. This dashboard can be used to analyze the government fleet and inform agency and government policies regarding vehicle purchasing and utilization.

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DEMO

What's Next?

- **Government-wide data availability is an ongoing priority.** We are excited to make these additional dashboards available to government users to promote data transparency and drive more informed benchmarking for agencies looking to evolve their fleets into the most optimal state for performance while saving resources.
- The OGP team will be following up with Fleet product users to provide additional demonstrations and discuss your feedback on the Asset Level Data Dashboard products.
- Your feedback can be implemented in the next release of the products!
- We plan to release an updated version with FY23 data by the end of March 2024.

Contact Us!

1   **Vehicle Policy:**
vehicle.policy@gsa.gov

3   **Eric Adams:**
eric.adams@gsa.gov

2   **Chouaib Touraq:**
chouaib.touraq@gsa.gov

What We Will Cover

✓ GSA (General Services Administration)

✓ NPMA (National Property Management Association)

✓ NAFA Fleet Management Association

✓ APWA (American Public Works Association)

✓ AEMP (Assoc. of Eqpt Management Professionals)

✓ Other Training Programs and Reference Materials

Fleets Often Differ in Composition

TechSystems VP Adlore Chaudier and a member of the North Cascade National Park "Fleet"

GSA Federal Fleet Manager Certification Program

- Users must register with a government email address.
- Available to all GSA Fleet customers at no additional cost.
- Self-paced, online, each module takes approximately 1 hour to complete.
- Encompasses overarching federal vehicle policies and procedures.
- Consists of six core courses and two electives (following the vehicle lifecycle).

1. Fleet Management 101: Your Roles and Responsibilities -- Upon completion, you should:
   - understand what fleet management is and how it supports federal agencies,
   - be familiar with the annual cycle for federal fleet planning, acquisitions, and disposals,
   - be able to identify the five key components in the fleet management life cycle and the fleet manager's role in each stage, and
   - know where to find additional resources and information.

GSA Federal Fleet Manager Certification Program

2. Vehicle Acquisition -- Upon completion, you should:
    ○ know vehicle-purchasing regulations,
    ○ understand how to plan vehicle acquisitions,
    ○ know how to purchase or order leased vehicles from GSA Fleet, and
    ○ understand what to do upon delivery.
3. Fleet Maintenance Management -- Upon completion, you should:
    ○ understand the importance of performing and tracking maintenance,
    ○ know ways to minimize maintenance and repair costs, and
    ○ know where to find resources to help manage the maintenance program.
4. Fleet Risk Management -- Upon completion, you should:
    ○ be able to define fleet risk management,
    ○ identify common risks and ways to manage them,
    ○ understand the importance of Emergency Risk Management Plans,
    ○ be familiar with risk management technology, and
    ○ understand accident management procedures.

GSA Federal Fleet Manager Certification Program

5.   Liability While Driving a GOV -- Upon completion, you should:
- ○   understand driver responsibilities,
- ○   know the difference between official use and misuse of vehicles,
- ○   understand the impact of scope of employment,
- ○   be familiar with how the Federal Tort Claims Act impacts a driver found at fault for an accident,
- ○   understand the impact of using your privately owned vehicle for official government business, and
- ○   understand how the regulations apply when driving a rental car for official government business.

6.   Disposal of Agency Owned Vehicles -- Upon completion, you should:
- ○   understand the regulations prescribing federal property disposal,
- ○   know the processes for disposing vehicles as excess, surplus, and exchange/sale property and how they differ,
- ○   be familiar with resources that can assist agencies with vehicle disposal to ensure all property is disposed of legally and in a timely manner.

NPMA Federal Fleet Certification Program

Three levels of Federal Fleet Certification are:

1. **CFFS – Certified Federal Fleet Specialist (*first level)***

   - Provides a basic level of knowledge for a fleet professional, such as a Vehicle Control Officer or Fleet POC, who supports fleet activities in an office setting.

2. **CFFA – Certified Federal Fleet Administrator (*second level)***

   - Provides an intermediate level of awareness and expertise for the fleet professional who manages or supports a Federal fleet and has successfully passed the CFFS certification.

3. **CFFM – Certified Federal Fleet Manager (*third/final level)***

   - Provides the fleet professional with advanced expertise and proficiency required of Fleet Managers who oversee an owned or combination leased/owned fleet. Successful completion of the CFFA certification is required.

Each level is completed in succession - CFFS>CFFA>CFFM

NPMA Federal Fleet Certification Program

- NPMA oversees program governance, test development, testing, and certification/recertification processes.
- TSI develops workshop content and provides trainers.
- NPMA charges for the program (higher cost for non-members).
- Classroom/face-to-face/two-day workshops (on-line being considered).
- Organization and site-specific workshops (with tailored content) available.
- Recertification required for retention of certification.
    - To be eligible for certification renewal, certificants must demonstrate completion of a specified number of qualifying criteria for their highest attained level in the 5-year period from their certification date:
        - Certified Federal Fleet Specialist – 2 qualifying criteria
        - Certified Federal Fleet Administrator – 3 qualifying criteria
        - Certified Federal Fleet Manager – 4 qualifying criteria
- Go to www.npma.org.

NAFA Certified Automotive Fleet Manager (CAFM)

- Has more than 2,000 fleet manager members from corporations, public safety (LE, fire departments), education (all levels), government agencies (federal, state, municipal, provincial), utilities, etc. (plus suppliers).
  - CAFM program recognized for partial reimbursement by the Department of Veterans Affairs.
  - Certification recognized by the Department of Labor.
- Open to any individual with at least one year of experience in any fleet-related position.
- Enrollment provides access for three years.
- NAFA charges for the program (higher for non-members).
- Eight modules comprise the self-study certification program:
  1. Asset Mgmt (from sourcing to remarketing)
  2. Business Mgmt (law, policies & procedures, RFPs, emergency operations, strategic partnering)
  3. Financial Mgmt (personal use, leasing, purchasing, reimbursement, budgeting, LCA, performance monitoring)

NAFA CAFM

4. Information Mgmt (FIMS, system selection & implementation, telematics, data mgmt & system admin, reporting & data analysis)

5. Maintenance Mgmt (vehicles, shop, environmental issues, inventory mgmt., performance monitoring, outsourcing, shop staffing)

6. Professional Development (mgmt of individuals, leadership, communications, organization processes, ethics)

7. Risk Mgmt (fundamentals, insurance, safety policies & programs, crash mgmt.)

8. Vehicle Fuel Mgmt (environmental issues, commercial programs, conventional and alternative fuels)

- **Fleet Discipline Certificate Program** allows you to take one discipline at a time (each priced the same).

- **Sustainable Fleet Management Certificate** also offered (note: completion does not count towards CAFM requirements).

- Go to www.nafa.org/certification.

APWA Public Fleet Mgmt Certificate

- APWA serves professionals in all aspects of public works in local, county, state/province, and federal agencies (plus private sector suppliers).
  - Worldwide membership of more than 31,500.
  - Stand-alone training events pop up; e.g., 1/11/24 is Enhancing Asset Management through Capital Operations & Funding (free to members).
  - Program consists of approximately 8-hour hour webinar workshop (Fleet & Equipment Mgmt, .7 CEU credits).
    - Covers organization structures, communication, procurement, purchasing, finance, and fleet operations.
    - Held over 2 weeks, 2 days each week, for 2 hours (recorded for later viewing).
  - After completing this course, you will be better able to:
    1. Describe the role of a fleet manager and determine the benefits of enhanced communication with partners and fleet customers.
    2. Recall basic finance and technology issues related to fleet management and identify global issues and their impact on fleet management.
    3. Explain common industry best practices.

AEMP Certification Program

- Serving those who manage and maintain heavy, off-road fleets.

- Offerings too extensive to cover fully here.

- Limit this presentation to the certification programs.

- Note that AEMP has an Equipment Management University which focuses on providing knowledge and expertise in four core content areas established around the various levels of experience found within the Equipment Management Profession.

AEMP Certification Program

- **EQUIPMENT MANAGEMENT SPECIALIST (EMS) Certificate**
  - A self-paced, fully virtual (on-line) course.
  - Materials and exams are available 24 hours a day, 7 days a week for one year (365 days) from a candidate's enrollment date.
  - Candidates will guide themselves through the material and activities under no set schedule.
  - Lessons may be completed in any order.
  - Estimated time required to complete the course curriculum is between 30-35 hours.

- **CERTIFIED EQUIPMENT MANAGER (CEM)**
  - Only recognized standard for judging the qualifications of managers of heavy off-road equipment and municipal and governmental fleets.
  - To sit for the CEM examination, you must have:
    - A minimum five years equipment management experience
    - An accumulation of 25 hours based on experience and continuing education

AEMP Certification Program

- **CERTIFIED EQUIPMENT SUPPORT PROFESSIONAL (CESP)**
- To sit for the CESP examination, you must have:
  - A minimum of five years of equipment <u>supplier</u> experience and
  - An accumulation of 25 hours based on your experience and continuing education.
- Your CEM/CESP designation is valid for five years.
- To avoid a lapse in your certification, you must complete 40 hours of continuing education during these five years.

Other Training Programs and Materials

- **DOE FEMP EV Champion Series Training**
  - Hosted by NREL (National Renewable Energy Laboratory)
  - www.energy.gov/femp/electric-vehicle-training
  - Four modules, self-paced
  - Attend all four webinars and earn up to 1.0 CEU and an EV Champion Training Certificate from FEMP
- **Other FEMP Training videos**
  - Get Your Sites "ZEV Ready"
  - Hydrogen Fuel Cells and Fuel Cell Electric Vehicles (FCEV): Emerging Applications and Safety Management

Technician Certification

- National Institute for Automotive Service Excellence (ASE) offers certification for automotive technicians.
  - Widely recognized standard in the automotive industry.
  - Covers a wide range of vehicle systems and components, including more and more electric and hybrid vehicle technology as the segment grows.
- Electric Vehicle Technology Training
  - Covers topics such as battery management systems, charging infrastructure, and vehicle control systems.
  - Essential for technicians to understand how to diagnose, repair, and maintain electric vehicles.
- Note: EV technology programs are still in their fledgling state across the U.S. and aren't yet standardized.

GSA Fleet Desktop Workshops

Selected Fleet Manager Information

- GSA OGP, Office of Transportation and Asset Management
    - Vehicle Policy Division
    - FMR Bulletins
    - FMR 102-34 Motor Vehicle Management & FMR 102-5 Home to Work
    - Federal Motor Vehicle Registration System (FMVRS)
    - Manage the Federal Automotive Statistical Tool (FAST) with DOE and publish the Federal Fleet Open Data Set
    - Manages interagency councils -- FEDFLEET and MVEC
    - Training at various events each year
    - Personal Property Division -- FMR 102-35 to FMR 102-42 (Disposal, Exchange Sale, Utilization & Disposition)

Selected Fleet Manager Information

✓ Federal Energy Management Program (FEMP)
- o www.energy.gov/eere/femp/federal-energy-management-program
- o Tools, Resources, Laws, Requirements, Vehicles, Battery Technology

✓ Clean Cities Coalition Network
- o cleancities.energy.gov/
- o Partnerships & Projects (e.g., National Clean Fleets Partnership), Technical Resources

✓ ASTM
- o Integrates consensus standards – developed with its international membership of volunteer technical experts.
- o Committee 53 focuses on Asset Management; Technical Subcommittee E53.08, focuses on Management of Fleet Assets.
- o We worked with Bob Holcombe, former OGP's Director for Personal Property Management Policy to develop two relevant standards:
  - **E2962-14 (last updated July 2020) Standard Guide for Fleet Assets**
  - **E3221-19 Standard Guide for Motorized Equipment**

Honorable Mention

- Southeast Governmental Fleet Managers Association:
  - Serving professional fleet managers since 1993.
  - Over 950 members which include fleet and public works managers, supervisors, purchasing and support personnel; members represent cities, counties, state, public service and school districts, colleges and universities;
  - Regularly provides free or low-cost training events.
  - Go to sgfma.org.
- FleetPros:
  - non-profit industry association which works to support fleet professionals through education, networking, and resources.
  - Founded in 1976.
  - Represent approximately 1100 fleet professionals and suppliers.
- SkillsCommons Affordable Learning Solutions
  - http://als.skillscommons.org/
  - Websites help faculty and students find free e-textbooks and online course materials that can be adopted and revised to enable institutions to make education more affordable.

Resources & Questions

GSA, Office of Government-wide Policy (OGP)   **www.gsa.gov/ogp**

Office of Transportation and Asset Management

    Vehicle Policy Division

- FMR 102-34 Motor Vehicle Management
- FMR 102-5 Home to Work Transportation
- FMR Bulletins
- Federal License Plate Program
- Manage FAST with DOE
- Publish annual Federal Fleet Open Data Set
- Manages interagency council-FEDFLEET
- Helps formulate policy in conjunction with partners- OMB, CEQ, DOE, EPA, Congress, White House…

    Travel, Relocation, Mail & Transportation

- Federal Travel Regulation (FTR)

    Personal Property Division

- FMR 102-35 to FMR 102-42 (Disposal, Exchange Sale U&D)

Office of Evidence and Analysis

- Federal Fleet Inventory Tool

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Resources & Questions

GSA, Federal Acquisition Service (FAS)   **www.gsa.gov/gsafleet**

Office of Fleet Management
- **Vehicle Buying**
- **Vehicle Leasing**
- **FedFMS (MIS for agency owned GOVs)**
- **GSAFleet.gov (Vehicle Registration Service)**
- **Federal Fleet Management Certification**
- **Desktop Workshops**
- **FedFleet Annual Training Event**
- **Telematics**
- **Safety Training**
- **ZEV Team**
- **GOV Recalls**
- **GSA Fleet Card**
- **Accident and Maintenance Management**
- **Short Term Rentals (STR)**
- **GSAAuctions.gov**
- **Federal Vehicle Standards**
- **Vehicles & Accessories from GSA Schedule**
- **And, much more…full service fleet management!**

Ask an Expert Session: GSA Fleet Service Rep is Tuesday at 1:35pm & Wednesday at 2:30pm!

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Resources & Questions

Federal Tort Claims Act: https://www.govinfo.gov/content/pkg/USCODE-2011-title28/pdf/USCODE-2011-title28-partVI-chap171.pdf

Government contractor insurance requirement (FAR 51.202(a)(2):
https://www.acquisition.gov/far/51.202

Agency, contractor and personal liability: https://www.ecfr.gov/current/title-41/section-101-39.406

Workplace Charging FAST Act Implementation:

https://www.gsa.gov/cdnstatic/General_Supplies__Services/guidance_for_federal_agency_implementation_of_workplace_charging_electric_vehicle_supply_equipment.pdf

https://www.energy.gov/eere/femp/electric-vehicle-workplace-charging

Resources & Questions

Department of Energy, Federal Energy Management Program (FEMP)
Sustainability dashboard
Summary of Federal requirements
Information on technologies and fuels
http://energy.gov/eere/femp/sustainable-federal-fleets

Federal Fleet Management Handbook- Now interactive on this site!
https://www.energy.gov/eere/femp/resources-federal-fleet-management

Alternative Fuels and Advanced Vehicles Data Center
http://www.afdc.energy.gov/

Office of Management and Budget
OMB Circular A-11, Preparation and Submission of Budget Estimates
https://www.whitehouse.gov/omb/information-for-agencies/circulars/

FAST (Federal Automotive Statistical Tool)
https://fastweb.inl.gov/
Log-in page has agency help list, some public materials
Further access is username/password restricted

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Resources & Questions

Federal laws/statutes

https://www.gpo.gov/fdsys/browse/collectionUScode.action?collectionCode=USCODE

Government Accountability Office (GAO)

Reports and Testimonies

http://www.gao.gov/

Search Comptroller General Decisions

http://www.gao.gov/legal/appropriations-law-decisions/search

ASTM International Standard Guide for Fleet Management

https://www.astm.org/Standards/E2962.htm
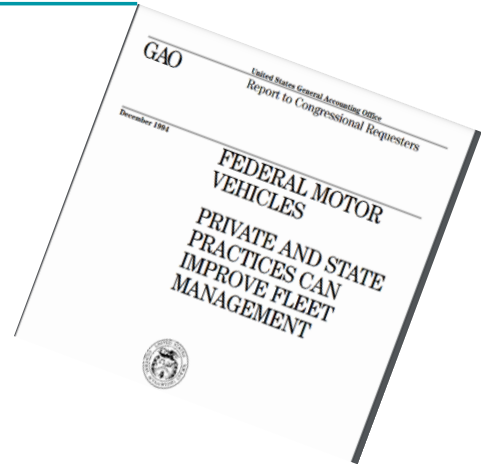
Resources & Questions

Federal Fleet Policy Council (FEDFLEET) http://www.gsa.gov/portal/content/102561
    Quarterly online meeting sponsored by GSA/OGP

INTERFUEL Working Group https://federalfleets.energy.gov/interfuel_working_group
    Quarterly online meeting sponsored by DOE FEMP

FEVAR Working Group Email federal.fleets@nrel.gov
    Monthly online meeting sponsored by DOE FEMP

FedFleet training https://www.gsa.gov/fedfleet
    Annual event

Energy Exchange https://www.energy-exchange.com/
    Sponsored by DOE Annual event

NPMA NES and Regional Events www.npma.org
    Get Recognized! INNOVATIONS IN FLEET MANAGEMENT AWARD
    https://www.npma.org/page/FleetManagementAward

STOP!

Don't miss the wonderful training scheduled for **this week**! Set your out of office message right now for those days!

Take a look at the program and plan your week at FedFleet 2024. www.gsa.gov/fedfleet

Lots of great workshops and panel discussions.

FedFleet 2024 Schedule

Monday, January 22, 2024			
Time	**Room: 145 AB**		
1:00 PM - 5:00 PM	Federal Fleet Boot Camp		

Tuesday, January 23, 2024			
Time	**Room: 146 ABC**		
9:00 AM - 10:00 AM	Welcoming Remarks and Keynote Speakers		
Time	**Exhibit Floor, Lunch, Computer Lab & Ask Expert Sessions**		
10:00 AM - 12:00 PM	Exhibit Floor: Visit Vendor Booths on Exhibit Floor & Electric Vehicle Ride and Drive Room 150: Computer Lab - Hands-on System Application Help		
12:00 PM – 1:00 PM	Lunch		
1:00 PM - 3:00 PM	Exhibit Floor: Visit Vendor Booths on Exhibit Floor & Electric Vehicle Ride and Drive Room 150: Computer Lab - Hands-on System Application Help		
1:00 PM - 1:30 PM	Room 146AB: Ask an Expert Session: Fleet Electrification & Data Reporting		
1:45 PM - 2:15 PM	Room 146AB: Ask an Expert Session: GSA Fleet Service Representative		
2:30 PM - 3:00 PM	Room 146AB: Ask an Expert Session: Post-Pandemic Fleet Utilization & Efficiency		
Time	**Room: 145AB** **Track: Policy**	**Room: 146AB** **Track: Electrification**	**Room: 147AB** **Track: Offerings**	**Room: 151AB** **Track: Data**
3:15 PM - 4:15 PM	Federal Fleet Management Regulations and Policies and FAQs (Repeated)	EVSE Planning	Supply Chain / Cyber Security Panel	GSAFleet.gov - What is Coming and Customer Feedback (Repeated)

Wednesday, January 24, 2024			
Time	**Room: 145AB** **Track: Policy**	**Room: 146AB** **Track: Electrification**	**Room: 147AB** **Track: Offerings**	**Room: 151AB** **Track: Data**
9:00 AM - 10:00 AM	Best Practices in Federal Fleet Management	Consideration for Ordering a ZEV	Light Duty Vehicle Industry Panel	GSAFleet.gov Wallet & Understanding your GSA Fleet Bill
Time	**Exhibit Floor, Lunch, Computer Lab & Ask Expert Sessions**		
10:00 AM - 3:00 PM	Exhibit Floor: Visit Vendor Booths on Exhibit Floor & Federal Electric Vehicle Ride and Drive Room 152: Computer Lab - Hands-on System Application Help		
1:00 PM - 1:30 PM	Room 146AB: Ask an Expert Session: Policy Edition		
1:45 PM - 2:15 PM	Room 146AB: Ask an Expert Session: Fleet Electrification & Data Reporting		
2:30 PM - 3:00 PM	Room 146AB: Ask an Expert Session: GSA Fleet Service Representative		
Time	**Room: 145AB** **Track: Policy**	**Room: 146AB** **Track: Electrification**	**Room: 147AB** **Track: Offerings**	**Room: 151AB** **Track: Data**
3:15 PM - 4:15 PM	VAM, Budget Narratives and Fleet Management Plans	GSA ZEV & EVSE Current & Future Offerings	Short-Term Rental: Case Studies & FAQs	GSAFleet.gov (How to Organize your Hierarchy)

Thursday, January 25, 2024			
Time	**Room: 145AB** **Track: Policy**	**Room: 146AB** **Track: Electrification**	**Room: 147AB** **Track: Offerings**	**Room: 151AB** **Track: Data**
8:30 AM - 9:30 AM	Personal Liability when Driving a GOV	ZEV Charging Data	MAS/Non-Standard/Express Desk Orders and You	Your GSA Fleet Card
9:45 AM - 10:45 AM	Personal Property Management and Exchange/Sale	EVSA & Using Telematics for Electrification	Vehicle Safety and Recalls	Understanding and Improving Your Agency's FAST Fleet Data Quality Metric
11:00 AM - 12:00 PM	Home to Work Transportation	Agency Panel on Best Practices on Electrification	GSA Fleet Offerings	Telematics and Fleet Management
12:00 PM - 1:00 PM	Lunch Room 150: Computer Lab - Hands-on System Application Help		
1:00 PM - 2:00 PM	Federal License Plates and the Vehicle Registration System	EO 14057 & Gov-wide Electrification Progress	Medium & Heavy-Duty Vehicle Industry Panel on Emission Changes	Inflation & Fleet Costs Increasing: How Can Fleet Managers Help
2:15 PM - 3:15 PM	Federal Fleet Management Regulations and Policies and FAQs (Repeated)	EVSE Best Practices: Agency Wide & Site Level	Acquisition & Best Practices	Connected Vehicle with Telematics
3:30 PM - 4:30 PM	Property Management vs Fleet Management	ZEV Planning	Marshalling & Securing Your Vehicle for the Exchange Process	GSAFleet.gov - What is Coming and Customer Feedback (Repeated)

Sessions and times are subject to change without notice.

GSA Office of Government-wide Policy
Vehicle Policy Division
www.gsa.gov/vehiclepolicy
vehicle.policy@gsa.gov

GSA Federal Acquisition Service
GSA Fleet
www.gsa.gov/gsafleet
gsafleet@gsa.gov

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You've Got Motor Vehicle Policy Questions?
We've Got Answers

vehicle.policy@gsa.gov