

# FedFleet 2025



## **FAST - Federal Vehicle Fleet Reporting Through the Year**

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# Reporting Fleet Data

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# Why Do We Report Fleet Data?

- Lots of different requirements for federal vehicle fleets
  - EPACK, EISA, FAST Act, A-11, EO, FMR, ...
- Different federal stakeholders have oversight roles
  - GSA, DOE, OMB, CEQ, EPA, ...
- To help with improving data quality.

# 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

# 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

# Reporting Throughout the Year

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# October 1 Through Mid-November

- Annual Fueling Center and EVSE Inventory report
  - Should contain data sections for
    - fueling infrastructure,
    - EVSE inventory, and
    - summary information about EVSE installed and activated to support home-to-work (HTW) charging of agency electric vehicles
  - Due on or around the 15th November

# October 1 Through December 31

- Year-end vehicle-level data (VLD)
  - Due (on or around the 15th December)
  - FAST team support for submitting your data
  - FAST team preliminary reviews.
  - First opportunity for VLD data corrections
- Quarter 1 of the Quarterly EVSE Deployment Submission report
  - Due on December 31



# January – February

- January
  - FAST team will generate the formal review of all federal agency VLD FAST submissions
- Mid-January to February
  - Federal agencies have opportunity to update their VLD (if requested/needed)
  - Final opportunity for VLD data corrections

# March

- Mid-March
  - VLD data set is finalized.
  - Generation of the GSA Federal Fleet Report (FFR)
- March 31
  - Quarter 2 of the Quarterly EVSE Deployment Submission report is due.

# July - August

- June 30
  - Quarter 3 of the Quarterly EVSE Deployment Submission report is due.
- Mid-July through August
  - Annual OMB acquisitions/disposals/costs projections for three fiscal years out. For example, if current FY reporting is for 2024, the OMB collects projections for 2025-2027. This is due by August 26 (or nearest date if falls on weekend)
  - Once OMB budgets are finalized, the current FAST reporting cycle is finalized and FAST is closed and then the system is rolled forward for the new FY reporting and training to begin.

# September

- September 10-15
  - Agency administrators are notified when the FAST system has been rolled forward for new FY reporting, and that the system is available for hierarchy updates and training sessions
- September 30
  - Quarter 4 of the Quarterly EVSE Deployment Submission report is due.
  - All completed/activated EVSE stations/ports from the current FY, and reported in the QEDS, must be incorporated into the Annual Fueling Center and EVSE Inventory Report due in mid-November

# Reporting Throughout The Year

- **October – December**
  - Annual Fueling Center and EVSE Inventory report - Due (on or around the 15th October)
  - Year-end vehicle-level data (VLD) - Due (on or around the 15th December)
  - Quarter 1 of the Quarterly EVSE Deployment Submission report – Due December 31
- **January – February**
  - FAST team will generate the formal review of all federal agency VLD FAST submissions – January
  - Federal agencies have opportunity to update their VLD (if requested/needed) - Mid-January to February
  - Final opportunity for VLD data corrections - Mid-January to February
- **March**
  - VLD data set is finalized. Mid-March – Mid-March
  - Generation of the GSA Federal Fleet Report (FFR) - Mid-March
  - Quarter 2 of the Quarterly EVSE Deployment Submission report update – Due March 31
- **July – September**
  - Annual OMB acquisitions/disposals/costs projections - Due August 26
  - FAST is closed and then the system is rolled forward for the new FY
  - Quarter 3 of the Quarterly EVSE Deployment Submission report update - Due July 30
  - Agency administrators are notified when the FAST system has been rolled forward for new FY reporting - **September 10-15**
  - Quarter 4 of the Quarterly EVSE Deployment Submission report update – Due September 30

# Data Quality

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# Thinking About Data Quality

## Fleet manager's perspective

- Complete?
- Correct?
- Current?
- Available?

## FAST program's perspective

- Validation
- Review & feedback
- Quality metric

# FAST's Review Process

- Data is validated as it is loaded in FAST (flags and blocks)
- FAST team reviews agency submission when complete
- FAST team assembles “concerns per vehicle” metric
  - Metric based on subset of validation flags and review measures
- FAST team communicates metric to agency
  - Provided to fleet POCs and agency leadership
  - Includes indication of improvement / regression
  - Includes comparison to overall federal fleet
  - Includes priority areas for agency improvement



# FAST's Data Quality Metric (1)

- Which validation warnings go into FAST's quality metric?
  - OC-1.5: Vehicle acquisition cost inconsistencies
  - F-2-2: Fuel consumption inconsistent with vehicle fuel type/configuration
  - F-2.3: Vehicles consuming B100 w/o reporting diesel consumption
  - F-2.4: PHEVs reported w/o electricity consumption
  - F-4.6: Vehicles with questionable fuel efficiency (also review measure M6)
  - F-5.5: Vehicles with questionable high per-unit fuel cost

# FAST's Data Quality Metric (2)

- Which validation warnings go into FAST's quality metric?
  - M6: Vehicles with questionable fuel efficiency (validation warning F-4.6)
  - M7: Year-to-year consistency of vehicle reporting
    - a) Vehicles with current-year acquisition dates also present in prior year submission (validation warning OW-1.3)
    - b) Vehicles with prior-year acquisition dates missing from prior year submission (validation warning OW-1.4)
    - c) Vehicles in current-year submission reported as disposals in prior-year submission (validation warning OW-4.4)
    - d) Vehicles in prior-year submission w/o disposal information missing in current-year submission
    - e) Vehicles in prior and current submissions with changes to static attributes (validation warning A-1.5)
  - M8: Vehicles with placeholder attributes

# FAST's Data Quality Metric

- FAQ in FAST's Help
  - How is the metric intended to be used?
  - What goes into the metric?
  - How is the metric calculated?
  - Which measures are included in the metric?
  - An example
  - How was the federal fleet scored in recent years?
- <https://fastweb.inl.gov/help/index.cfm/faqs/data-quality-metric>

# Improving Fleet Data Quality (1)

- Prioritize improving data quality
  - What's feasible?
  - What's most important?
  - Where are the biggest gains?
- Measure it
  - How can you tell if it is getting better?
  - Start measuring / monitoring early

# Improving Fleet Data Quality (2)

- Find and fix problems at / close to the source
  - Fix the cause of the problem
  - Start finding / fixing early
- Participate in the post-submission review
  - Ensure metric is representative
  - Use review to inform improvement priorities

# Fleet Data Quality Reports

- Data Quality & Consistency Report
  - Presents a set of overview trends and supporting data tables within the FAST reporting hierarchy.
  - These trends and supporting tables are intended to help ensure the overall consistency and quality of the data for the corresponding fleet element(s), both across years and within the different data segments (vehicles, fuel, costs, and mileage)

# Data Quality & Consistency Report - Historical Data Trends (1)

- Vehicle Inventory
- Vehicle Acquisitions and Disposals
- Total Fuel Consumption
- Covered vs. Non-covered Petroleum Fuel Consumption
- Alternative Fuel Consumption as Percentage of Total Covered Consumption
- Total Miles Traveled

# Data Quality & Consistency Report - Historical Data Trends (2)

- Annual Fleet Operating Costs
- Year-to-Year Changes in Key Fleet Indicators
- Additional Year-to-Year Changes in Key Fleet Indicators
- Alternative-Fuel Vehicle Inventory
- Alternative-Fuel Vehicle Acquisitions
- Alternative Fuel Consumption
- EISA 2007 Section 141 - Designation of Vehicle Acquisitions



# Data Quality & Consistency Report - Data Consistency Tables

- Vehicle Inventory vs. Fuel Cost/Consumption
- Vehicle Inventory vs. Miles Traveled
- Vehicle Inventory vs. Fleet Operating Costs
- Vehicle Inventory vs. Operating Costs/Miles vs. Fuel Cost/Consumption
- EISA 2007 Section 141 - Designation of FY2024 Vehicle Acquisitions

# FAST Program Contacts

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## **Federal Automotive Statistical Tool (FAST)**

<https://fastweb.inl.gov/>

## **FAST Sandbox**

<https://fastweb.inl.gov/sandbox/>

## **FAST Help**

<https://fastweb.inl.gov/help/>

# Q & A

*If you would like a copy of this presentation, email [fedfleet@gsa.gov](mailto:fedfleet@gsa.gov)*



Thank you!