Federal Automotive Statisical Tool: FAST Changes & Data Call Preparation (INTERFUEL - September 2023)

September 2023

Ron Stewart, Sharath Kallaje

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Idaho National Laboratory

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Idaho National Laboratory
Idaho Falls, Idaho 83415

http://www.inl.gov

Today's Topics

- Preparation for FY 2023 fleet data reporting

- Upcoming changes for quarterly EVSE deployment submissions

- Upcoming changes for annual fueling center/EVSE inventory submissions

- Discussion / Questions

INL/MIS-23-74603.000

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Preparation for FY 2023 Fleet Data Reporting

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Preparation for FY 2023 Fleet Data Reporting

- Updated reporting reference documents / templates release late August

- Available for download: FAST Help > Resources > Vehicle-Level Data
  - https://fastweb.inl.gov/help/index.cfm/resources/vehicle-level-data

- FAST prepped for FY 2023 reporting 06-Sep

- Agency POCs can begin their preparation
  - Updating organizational hierarchy
  - Updating/adding/removing user accounts

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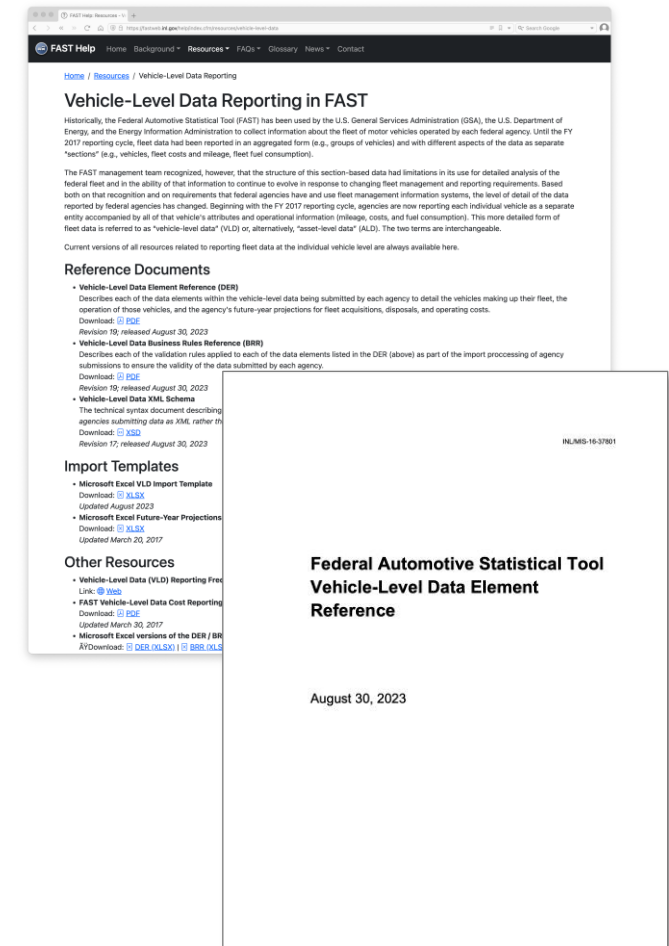
Preparation for FY 2023 Fleet Data Reporting

- **Minor changes for FY 2023 reporting**
  - Support for several new vehicle manufacturers

  - Updates to some of the cost-related validation thresholds

  - Minor editing throughout reference documents for consistency and clarity

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Preparation for FY 2023 Fleet Data Reporting

- **Major changes for FY 2023 reporting**
  - Two new data elements added per EO 14057
    - A-13, Vehicle Telematics
      - Presence of telematics system(s) on vehicle
    - A-14, Vehicle Telematics Data Usage
      - Use of data from telematics system(s) in agency processes

  - _Optional_ for FY 2023 and 2024 reporting

  - Required for FY 2025 and later reporting

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Preparation for FY 2023 Fleet Data Reporting

- **A-13, Vehicle Telematics**
  - Designates whether the vehicle is equipped with telematics

  - **YES**
    - Vehicle is equipped with one or more on-board telematics systems
  - **NO**
    - Vehicle is not equipped with on-board telematics
  - **WAIVER**
    - Vehicle is not equipped with on-board telematics and has been waived from EO 14057's telematics requirement based on agency criteria for national security or law enforcement risks

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Preparation for FY 2023 Fleet Data Reporting

- **A-14, Vehicle Telematics Data Usage**
  - Designates types of information from telematic(s) system agency collects and uses from the vehicle's telematics in managing their fleet

  - **N/A**
    - Not applicable (vehicle does not have telematics)
  - **NONE**
    - No data collected and used from vehicle's telematics
  - **F/I/L/M/S/T/U/X**
    - Codes for different types of information agency uses from vehicle's telematics

- **Codes**
  `F` - Fuel/energy consumption
  `I` - Idling info
  `L` - Vehicle location
  `M` - Vehicle mileage
  `S` - Safety-related info
  `T` - Trip-level info
  `U` - Vehicle utilization
  `X` - Vehicle maintenance info

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Preparation for FY 2023 Fleet Data Reporting

- **A-14, Vehicle Telematics Data Usage - Examples**
  - **ITFM**
    - Idling, trip-level information, fuel/energy consumption, mileage
  - **FUI**
    - Fuel consumption, utilization, idling
  - **NONE**
    - Vehicle has telematics but data not used by agency

- **Codes**
  - **F** - Fuel/energy consumption
  - **I** - Idling info
  - **L** - Vehicle location
  - **M** - Vehicle mileage
  - **S** - Safety-related info
  - **T** - Trip-level info
  - **U** - Vehicle utilization
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Upcoming Changes: Quarterly EVSE Deployment Submissions

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Changes for Quarterly EVSE Deployment Submissions

- **Updated reporting reference**
  - Revision 1.3, released 01-Sep-2023

- **Minor changes for FY 2023 Q4 (due 30-Sep)**
  - Clarifications in reporting reference about port counts

  - New validation rule to ensure sites completed before EO 14057 are not included in agency submissions

 - Minor tuning to validation rule that looks at quarter-to-quarter progression of sites

Federal Automotive Statistical Tool

Reporting Reference: Electric Vehicle Supply Equipment (EVSE) Deployment Submission

Version: 1.3
Updated: 01-Sep-2023

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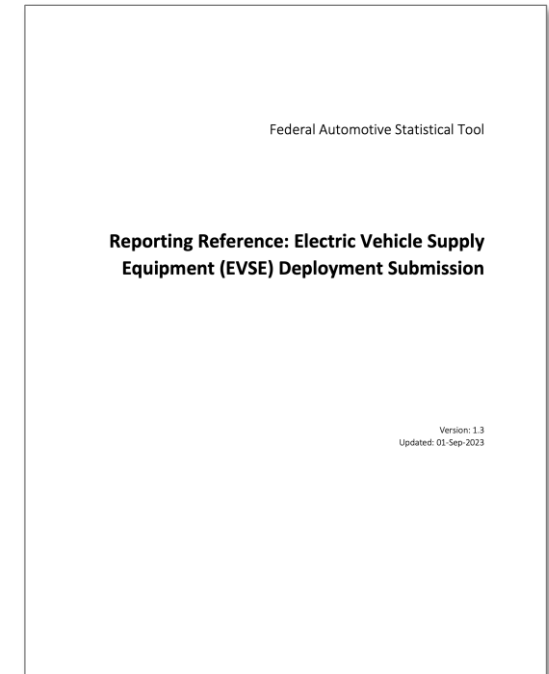
Changes for Quarterly EVSE Deployment Submissions

- **Additional tuning of the reporting process coming**
  - Minor updates to QEDS information in FAST's query tool
  - Updates to the QEDS agency summary report
  - Updates to validation process to provide more meaningful detail on failures

- **Additional data element coming FY 2024 Q1**
  - Planned Completion Date: Fiscal year during which EVSE site/project will be complete
  - *Optional* FY 2024 Q1 (due 31-Dec)
  - Required FY 2024 Q2 and later
  - Additional details coming October

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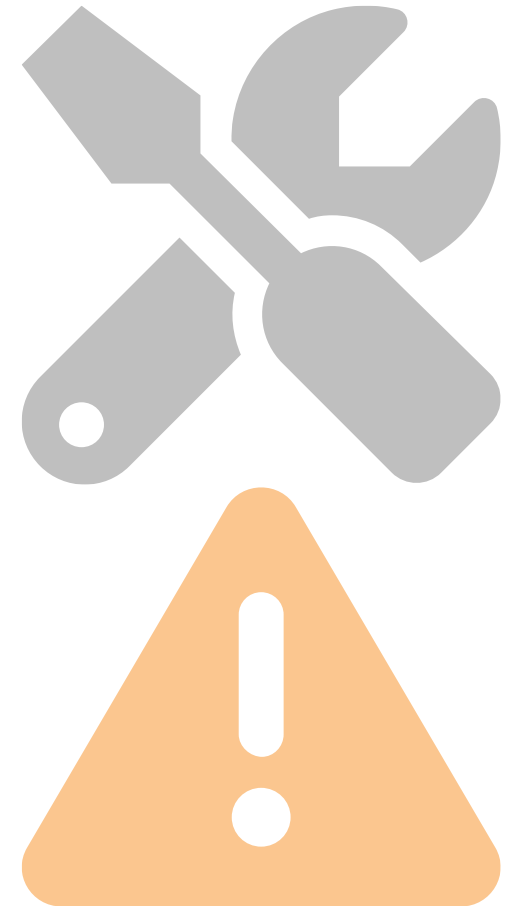
Changes: Annual Fueling Center / EVSE Inventory Reporting

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Annual Fueling Center and EVSE Inventory Reporting Updates

- Additional data element for Fueling Centers data segment

- Additional data elements for EVSE Inventory data segment

- New data segment – HTW EVSE

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Annual Fueling Center Updates

- New column: "Organization / Fleet"

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Annual EVSE Inventory Updates

- **The following columns are newly added:**
  - Organization / Fleet
  - Total kWh Dispensed
  - Mobile EVSE?
  - Grid-connected EVSE?
  - Station Network Provider
  - # ZEVs Supported
  - Other Cost

- **The following columns have been updated:**
  - Payment Method
  - Fee Unit

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Home-to-Work (HTW) EVSE Inventory

- **Submission template has three new sheets for the HTW EVSE segment**
  - Instructions
  - Example data
  - Data

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HTW EVSE Inventory - Example

	Fueling Center Status and Location			Organization Point of Contact					Availability	EVSE Ports Available						Other Informa
EVSE Status	Organization / Fleet	USPS ZIP Code	First Name	Last Name	Telephone	Email			Charging Available? Y / N / T (see instructions)	Level 1 Connector / Outlet Count	Level 2 Connector / Outlet Count	CHAdeMO Connector Count	CCS Connector Count	Wireless Charging Pad Count	Tesla Super-charger Connector Count	Notes
New	NREL	80401	Kay	Makobel					Y	0	108	0	0	0	0	
Expanded	NREL	80215	Zack	Merit					Y	0	10	0	0	0	0	4 additional ports added this
New	INL	83415	Tot	Warners					Y	0	4	0	0	0	0	
In-progress	INL	83401	Tot	Warners					N	0	6	0	0	0	0	Scheduled for installation nex

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Important Dates & Resources

Important Dates

- **Sat, 30-Sep-2023**
  - FY 2023 Q4 quarterly EVSE deployment submission due

- **Sun, 01-Oct-2023**
  - FY 2023 fleet data call opens

- **Fri, 17-Nov-2023**
  - Annual fueling center/EVSE inventory submission due

- **Fri, 15-Dec-2023**
  - FY 2023 fleet data call closes

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Need help?

FAST Support Team

FASTsupport@inl.gov

FAST

https://fastweb.inl.gov/

FAST Sandbox

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

FAST Help

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