

# **INTERFUEL: FAST -- Fueling Center and EVSE Reporting Process Changes**

Ron Stewart

July 2020



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**<http://www.inl.gov>**

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# ***FAST: Fueling Center & EVSE Reporting Process Changes***

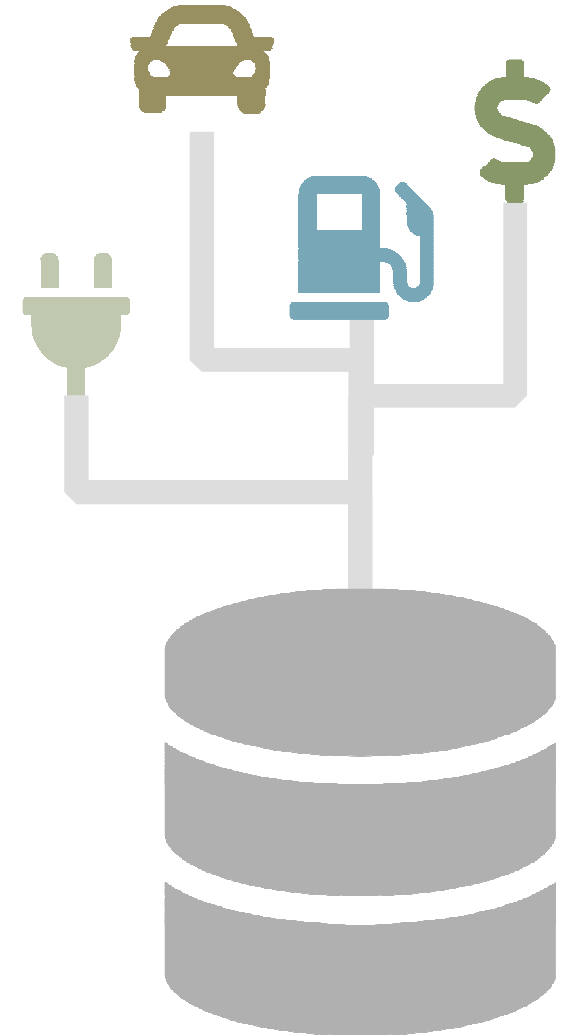
***INTERFUEL – July 8, 2020***

***Ron Stewart***  
*FAST Support Team*  
*Idaho National Laboratory*



## ***FAST and Fleet Data Collection***

- **Vehicles and operational data**
  - Vehicle attributes, costs, miles, fuel consumption
- **Fleet planning data**
  - Future-year plans for acquisitions and disposal
  - Budget projections
  - Results of vehicle allocation methodology (VAM) studies
- **EPAct 2005 Section 701 Waiver Requests**
  - *Now part of primary data call October-December*
- **Fleet fueling center information**
- **Electric vehicle supply equipment (EVSE) inventory**



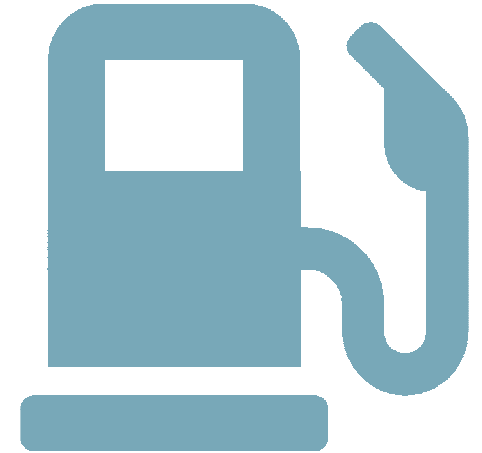
## ***Underlying Requirements for Infrastructure-related Information***

- **Energy Independence and Security Act (EISA) of 2007, Section 246**
  - Requires federal fueling centers distributing > 100K gal of petroleum fuel annually to also have renewable fuel infrastructure
- **Fixing America's Surface Transportation (FAST) Act of 2015**
  - Authorizes agencies to install EV charging stations for POVs
  - Requires agencies to collect fees to recover costs of this EVSE
  - CEQ guidance direct agency CSOs to work with fleet managers to report on implementation of workplace charging
  - GSA's Public Buildings Service annual report to Congress due December 4
- **Energy Policy Act (EPAct) of 2005, Section 701**
  - Alt fuel vehicles (AFVs) must consume alt fuels
  - Agencies may request waivers for AFVs without access to fuel
  - Waiver review process relies on knowing where federal fueling infrastructure is located (in addition to other infrastructure)



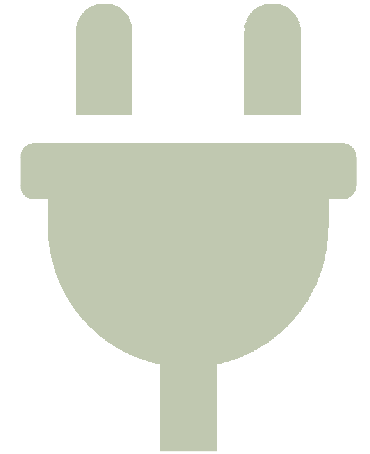
## ***Previous Reporting Processes***

- **Information about fueling centers:**
  - Single agency-level FAST submission each year
  - Due June 30
  - Covers agency-defined 12-month period
  - Each station described by
    - Name and location
    - Current status (open / closed)
    - Types and volumes of fuel
    - Access information: who can use center?
    - EISA Sec. 246 compliance attributes
  - Submitted via data entry form or MS Excel worksheet



## ***Previous Reporting Processes***

- **Information about electric vehicle supply equipment (EVSE):**
  - Single agency-level FAST submission each year
  - Due December 15
  - EVSE inventory for previous fiscal year
  - EVSE described by
    - Name and location
    - New or existing?
    - # and type of EVSE
    - Designation of use (employee, fleet, public)
    - Costs (installation, hardware, usage fees)
  - Submitted via MS Excel worksheet



## ***New Approach to Reporting***

- **Single combined submission due Nov. 15 (*tentative*)**
- **Fueling centers**
  - Name and location
  - Status (new, existing, closed)
  - Types of fuel distributed
    - Indication of > 100K gal of petroleum
    - *No longer collecting fuel volumes!*
  - Other EISA 246 compliance attributes
- **EVSE inventory**
  - Name and location
  - Status (new, existing, closed)
  - # and type of EVSE at location
  - Costs and usage fees
  - Access





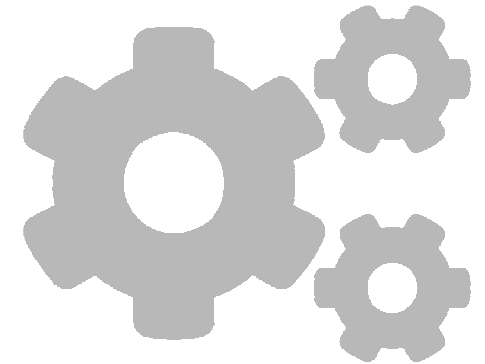
## ***New Approach to Reporting***

- **Submitted as MS Excel worksheet**
  - Separate sheets with instructions, data collection sheets, examples
- **DOE will assign unique “station ID”**
  - Assigned to each fueling center and EVSE location
  - Station ID + status will simplify year-to-year reporting
- **Submission each year will serve as starting point for following year’s submission**



## ***New Approach to Reporting: Process and Timeline***

- **NLT August 15, 2020: New Excel template released**
  - Separate sheets with instructions, data collection sheets, examples
  - Agencies can begin assembling data for fall submission
  - Agencies can request (mostly) compatible versions of most recent fuel center and EVSE submissions as starting point from FAST team
- **November 15, 2020: FY 2020 submission due**
  - Describes all agency fueling centers and EVSE as of end of FY 2020
- **After submission**
  - DOE assigns station IDs
  - DOE uses information as part of revamped EPC Act 701 waiver review process
- **August 1, 2021: Agency can retrieve FY 2021 Excel template**
  - Will be based on FY 2020 submission + DOE-assigned IDs



## Summary

- **Combined fueling center + EVSE submission due November 15**
  - Same timeframe as previous EVSE submission
  - Retires past June submission (fueling center data, 701 waivers)
  - Simplifies fueling center data
    - No more fuel volumes!
  - Simplifies and improves year-to-year reporting
  - Collects all fueling infrastructure data
    - ... in more consistent manner
    - ... covering same time period
    - ... at the same time

## ***While We Have Your Attention...***

- **Conversations with several organizations during Spring 2020**
  - Ideas to ease / simplify / improve VLD reporting
- **Changes coming over the next few months**
  - Update and combine VLD reference documents into unified reference
  - Tune flagging rules
    - Identify plug-in hybrid vehicles without electricity consumption
    - Reduce some of the flagging noise
      - Example: Only flag year-to-year changes in vehicle attributes if they are significant
  - Tune the post-submission review metrics
    - Example: Better identification of unexpected changes in costs



## ***While We Have Your Attention...***

- **Changes coming over the next few months**
  - Improvements / updates to FAST reports
    - Provide some of the post-submission review metrics
    - Improve usability / make them easier to understand
    - Ability to export submitted vehicle-level data
  - Other improvements
    - Continuing focus on responsiveness / speed
    - Ability to retrieve larger results from FAST's query tool
- **New FAST support email address**
  - FASTsupport@inl.gov



## ***FAST Program Points of Contact***

- **DOE Federal Energy Management Program (FEMP)**

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