FY 2020 Federal Fleet Dataset: Overview

49 organizations
704K vehicles
1.1M fuel records

FY 2020 Federal Fleet Dataset: Overview

**Inventory**
658K  
+1.9%

**Miles**
4.16B  
-7.1%

**Fuel**
372M GGE  
-3.8%

**Cost**
$3.55B  
-3.9%

Cost figures include only operating costs (lease, maintenance, accident repair, fuel, indirect costs) and do not include costs associated with acquisition, disposal, or depreciation.
FY Federal 2020 Fleet Dataset: Overview

Agency Submissions

FY 2020 Federal Fleet Dataset: Overview

Agency Submissions

FY 2020 Federal Fleet Dataset: 5-Year Trends

Vehicle Inventory

FY 2020 Federal Fleet Dataset: 5-Year Trends

Vehicle Inventory

FY 2020 Federal Fleet Dataset: 5-Year Trends

Vehicle Inventory

FY 2020 Federal Fleet Dataset: 5-Year Trends

Vehicle Inventory

FY 2020 Federal Fleet Dataset: 5-Year Trends

Vehicle Inventory

FY 2020 Federal Fleet Dataset: 5-Year Trends

Vehicle Acquisitions

FY 2020 Federal Federal Fleet Dataset: 5-Year Trends

Vehicle Acquisitions

FY 2020 Federal Fleet Dataset: 5-Year Trends

Vehicle Acquisitions

FY 2020 Federal Fleet Dataset: 5-Year Trends

Fuel Consumption

FY 2020 Federal Fleet Dataset: 5-Year Trends

Fuel Consumption

FY 2020 Federal Fleet Dataset: 5-Year Trends

Operating Costs

FAST FY 2020 Dataset: Fleet Costs by Cost Category

Cost figures include only operating costs (lease, maintenance, accident repair, fuel, indirect costs) and do not include costs associated with acquisition, disposal, or depreciation.
FY 2020 Federal Fleet Dataset: 5-Year Trends

Operating Costs

Cost figures include only operating costs (lease, maintenance, accident repair, fuel, indirect costs) and do not include costs associated with acquisition, disposal, or depreciation.
FY 2020 Federal Fleet Dataset: Year-to-Year Comparison

**Inventory**
658K
+1.9%

**Miles**
4.16B
-7.1%

**Fuel**
372M GGE
-3.8%

**Cost**
$3.55B
-3.9%

Cost figures include operational costs (lease, maintenance, accident repair, fuel, indirect costs) and do not include costs associated with acquisition, disposal, or depreciation.
FY 2020 Federal Fleet Dataset: Year-to-Year Comparison
Changes in Fleet Miles

FAST FY 2020 Dataset: Agency Change in Fleet Miles (%)

FY 2020 Federal Fleet Dataset: Year-to-Year Comparison

Changes in Fleet Miles

FY 2020 Federal Fleet Dataset: Year-to-Year Comparison
Changes in Fleet Miles

FY 2020 Federal Fleet Dataset: Year-to-Year Comparison
Changes in Fleet Miles and Fuel Consumption

FY 2020 Federal Fleet Dataset: Year-to-Year Comparison
Changes in Fleet Miles, Fuel Consumption, and Operating Costs

Cost figures include only operating costs (lease, maintenance, accident repair, fuel, indirect costs) and do not include costs associated with acquisition, disposal, or depreciation
FY 2020 Federal Fleet Dataset: Review and Corrections

Review Process and Results

• FAST management team reviewed agency submissions

• Written feedback provided to agencies (late January 2021)

• Agencies responded to any noted potential issues

• Agencies granted short period to submit corrections where feasible (due late February 2021)
FY 2020 Federal Fleet Dataset: Review and Corrections
Comparing to FY 2019 Process

FY 2020 Dataset: Dataset Review
- No significant issues noted: 19
- Issues: No response: 2
- Issues: No corrections: 8
- Corrections: No significant improvement: 10

FY 2019 Dataset: Dataset Review
- No significant issues noted: 12
- Issues: No response: 9
- Issues: No corrections: 10
- Corrections: No significant improvement: 15
FY 2020 Federal Fleet Dataset: Review and Corrections
Impact of Agency Corrections

• **Review Measure 6: Invalid vehicle fuel efficiencies**
  - Agency corrections reduced issues by 19% (3,500 vehicles)
  - 5 agencies addressed over 80% of the identified vehicles in their submissions

• **Review Measure 7(d): Previously-reported vehicles missing**
  - 3 agencies reduced these by 15%, 36%, 100% (adding almost 200 vehicles)

• **Review Measure 8: Use of “placeholder” vehicle attributes**
  - 12 agencies reduced these:
    • Over 1,400 fewer vehicles with placeholders
    • Eliminated over 1,200 blocking placeholders, 700 flagging placeholders
  - 2 agencies eliminated over 70% of their placeholders
FY 2020 Federal Fleet Dataset

Important Activity After the Data Call

- Fleet fuel cost data finalized
  - FAST’s “Fleet Fuel Consumption Report for Greenhouse Gas Reporting” finalized
  - Summaries for all agencies transmitted to DOE’s Federal Energy Management Program
FY 2020 Federal Fleet Dataset

Important Activity After the Data Call

- **EPAct AFV acquisition compliance analysis is complete**
  - Same process as FY 2019: vehicle location used to determine vehicle coverage / exemption status
  - Now reflected on FAST’s “EPAct AFV Acquisition Compliance Report”
FY 2020 Federal Fleet Dataset

Important Activity After the Data Call

• Other Compliance and Reporting Activities
  – Review and incorporation of fueling center and EVSE inventory submissions into DOE’s Alternative Fuel Data Center
  – EISA 2007 Section 141 compliance summary transmitted to EPA
  – Preparation of OMB sustainability scorecards
  – EPAct 2005 Section 701 compliance analysis
  – Preparation of GSA’s Federal Fleet Report data tables and related products

• Preparation for FY 2021 Reporting
FAST: FY 2020 Federal Fleet Dataset

Discussion
FAST Program Points of Contact

- **DOE Federal Energy Management Program**
  - Jay Wrobel
    - Jay.Wrobel@ee.doe.gov
  - Kendall Kam
    - Kendall.Kam@ee.doe.gov

- **GSA Office of Government-wide Policy**
  - James Vogelsinger
    - James.Vogelsinger@gsa.gov
  - Patrick McConnell
    - Patrick.McConnell@gsa.gov

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

- **FAST**
  - https://fastweb.inl.gov/

- **FAST Help**
  - https://fastweb.inl.gov/help/
Ron Stewart
FAST Team Lead
Idaho National Laboratory
ron.stewart@inl.gov