

FY 2021 Federal Vehicle Fleet Data Overview

March 2022

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Federal Automotive Statistical Tool Project March 2022 INTERFUEL Meeting

Data Call Overview

Fleet data submissions from 49 agencies

Timeline

- Data call opened October 1, 2021
- ... closed December 15, 2021
- Review feedback to agencies January 24, 2022
- Agency updates due February 21, 2022
- Dataset declared final February 25, 2022

Dataset

- 706K vehicles
- 1.06M fuel entries
- 32.5M data points



FY 2021 Federal Fleet by the Numbers









Inventory

657K vehicles

vs FY 2020: -0.1%

vs FY 2019: +1.8%

Miles

4.22B miles

vs FY 2020: +1.5%

vs FY 2019: -6.1%

Fuel

368M GGEs

vs FY 2020: -1.1%

vs FY 2019: -5.1%

Cost

\$ 4.44B

vs FY 2020: +5.0%

vs FY 2019: +1.6%

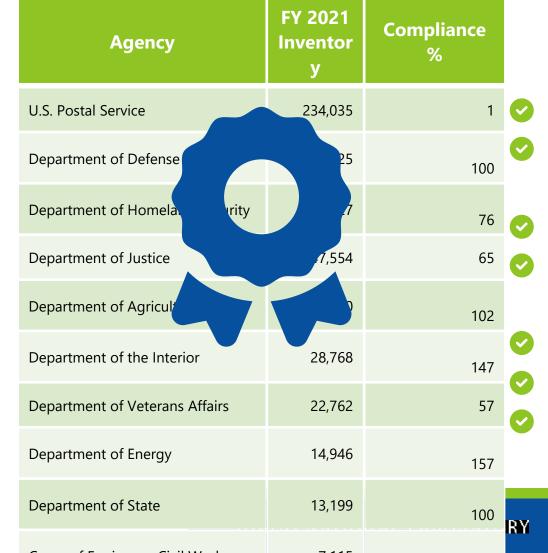




Cost figures include only operating costs (lease, maintenance, accident repair, fuel, indirect costs, depreciation) and do not include costs associated with vehicle acquisition or disposal

Compliance Overview: EPAct AFV Acquisitions

- Target: 75% of covered LD vehicle acquisitions
- FY 2021 Performance: 62.2%
 - Challenges
 - Declining availability of E85 flex-fuel vehicles
 - Supply chain impacts on planned acquisitions
 - Positives
 - 19 of 28 agencies met 75% compliance target



Source: Federal Automotive Statistical Tool, https://fastweb.inl.gov/

Review Process Participation

- Agency submissions reviewed against 8 groups of metrics
- All organizations received written feedback, with opportunity to provide updates to address identified concerns
 - EPAct-covered/scorecard agencies received additional compliance impact review



- • 6 agencies: no areas of concern identified
- **●** 8 agencies: no response
- ● 21 agencies: no updates to submission
- 14 agencies: updated submission



Data Quality Overview

- FY 2020, we piloted "Concerns per Vehicle" (CpV) quality metric
 - Aggregate of occurrences of 12 types of problems
 - Enables comparison of quality over time or between agencies
 - Metric decreases? Fewer issues, improved quality
 - Metric increases? More issues, decreased quality
- Overall CpV scores
 - FY 2020: 0.76
 - FY 2021: 0.65 (15% improvement)





Data Quality Overview

By Agency

- 24 agencies improved CpV over FY 2020
- 11 of 14 agencies providing updates improved CpV

By Metric

- Improvements in 8 of 12 metrics over FY 2020
 - Fewer placeholder vehicle attributes
 - Fewer vehicles showing changes to static attributes
 - Fewer vehicles missing from prior year submissions



- Decreased quality in 4 of 12 metrics over FY 2020
 - More vehicles with invalid fuel efficiency based on reported fuel consumption and miles



Want to Know More?



On-line training event: May 17-19, 2022

<u>Information</u> | Registration

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