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Federal Automotive Statistical Tool

Asset-Level Data: Lessons Learned and
Looking Forward

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We'll cover...

- FY 2017 and ALD: A quick recap
- What we learned and what we're changing
- Need more information?

FY 2017 and ALD: A quick recap

- **39 of 49 reporting agencies provided ALD**
 - First use of ALD for all except Department of the Treasury
 - Fleets from 3 to 230K vehicles
- **~ 90% of the fleet as ALD**
 - ~ 610K vehicles
 - ~ 915K fuel entries

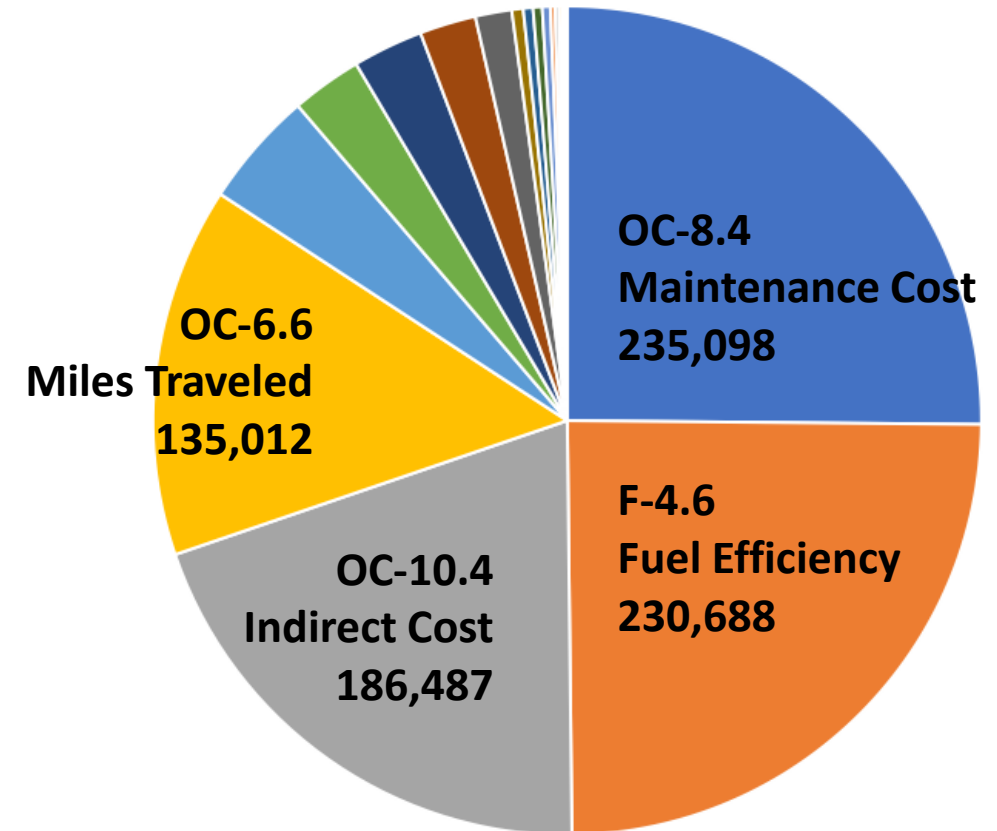
What we learned...

- **After the data call: comprehensive review of flags and flagged data**
 - Looking at flag counts
 - ... flags by agency
 - ... distribution of data vs what was flagged
- **Trying to answer one key question:**
 - Were we flagging what we should be?

What we learned...

■ Flags

- ~ 910K flags total
- 25 of 26 flags occurred
- Flag counts ranged from 10 to 235K per flag



What we learned...

- **Evaluated each flag**
 - Statistical analysis of the relevant data
 - Review of flagging thresholds/ranges:
 - “What is typical for this data?”
 - Review of vehicle applicability:
 - “Which vehicles should this flag apply to?”
 - Result was a decision if/how to revise each flag
 - 11 flagging rules with significant changes

What we're changing...

- **Guiding principles:**
 - Less noise, more signal
 - Don't break things (or make things worse)
- **27 specific changes to business rules:**
 - Better identification of outliers
 - Requirements changes (EO 13693 rescinded)
 - Improve quality and/or consistency of data
 - Make things simpler

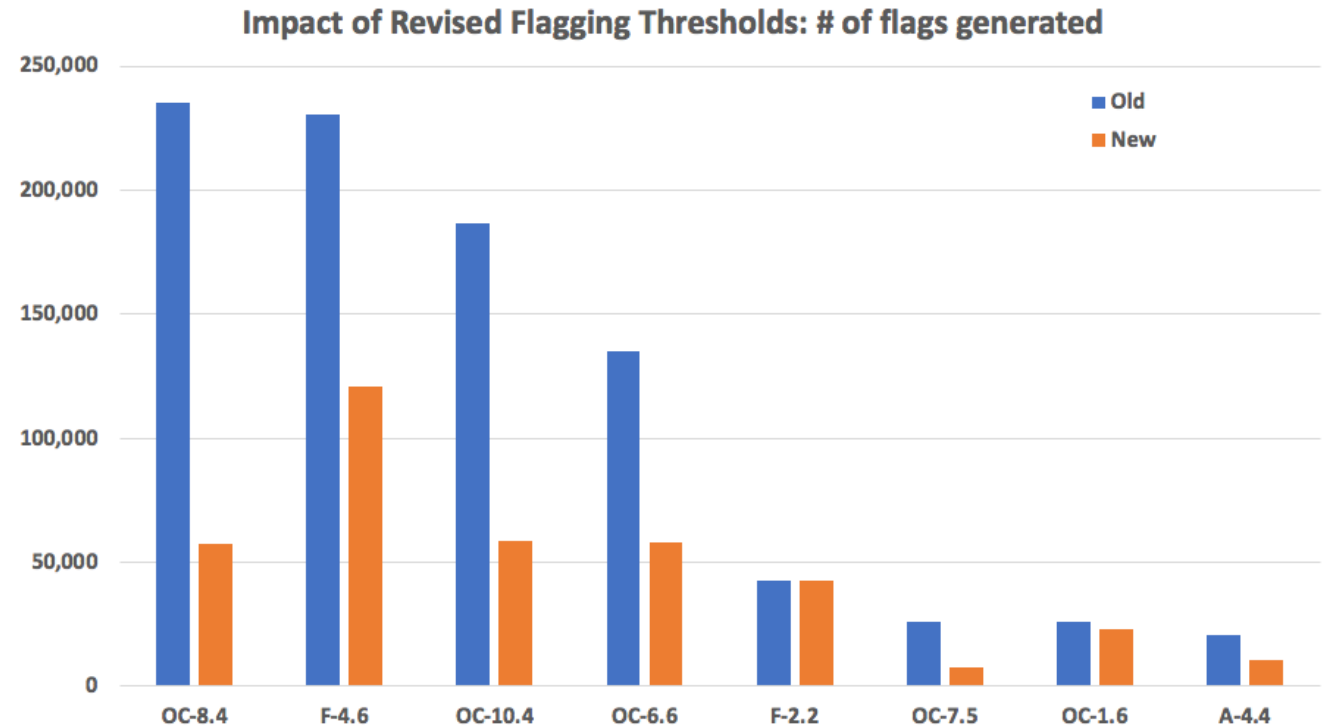
What we're changing...

- **Better identification of outliers**
 - 9 rules with revised ranges
 - 9 rules with changes to vehicle applicability
 - # of months in the fleet
 - Ownership
 - Vehicle class

What we're changing...

- **Impact:**

- Decrease of 500K flags to ~ 410K total



What we're changing...

- **Requirements-driven changes**

- Element S-4, EO 13693 Designation
 - deprecated for FY 2018 reporting
 - to be retired in FY 2020
- Four business rules related to S-4 deprecated, modified to no longer look at that element, or retired for FY 2018 reporting

What we're changing...

- **Make things simpler, easier, better**
 - 6 clarifications of data element or biz rule descriptions
 - Support of “U” class ZIP codes for A-10, Garage-ZIP
 - e.g., ZIP codes assigned to Federal buildings
 - Support for “MD Ambulance” vehicle type
 - for consistency with “LD Ambulance” and “HD Ambulance”
 - New flagging rule: vehicles reporting B100 w/o DSL
 - New blocking rules for consistency of future-year data:
 - acquisition costs vs. quantities, disposal proceeds vs. quantities

More information...

- **FAST Help > Resources > Vehicle-Level Data**
 - Current revisions of key references
 - Data Element Reference
 - Business Rules Reference
 - Comprehensive summary of these changes
- **FAST Help > News**
 - Information about recent (and pending) changes

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

More information...

■ FAST Program Points of Contact

- DOE Federal Energy Management Program
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