

INTERFUEL: EPA Act AFV Compliance Analysis

Ron Stewart

February 2020



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**Idaho National Laboratory
Idaho Falls, Idaho 83415**

<http://www.inl.gov>

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EPAct AFV Acquisition Compliance Analysis

***Ron Stewart
Idaho National Laboratory***

**INTERFUEL
February 12, 2020**

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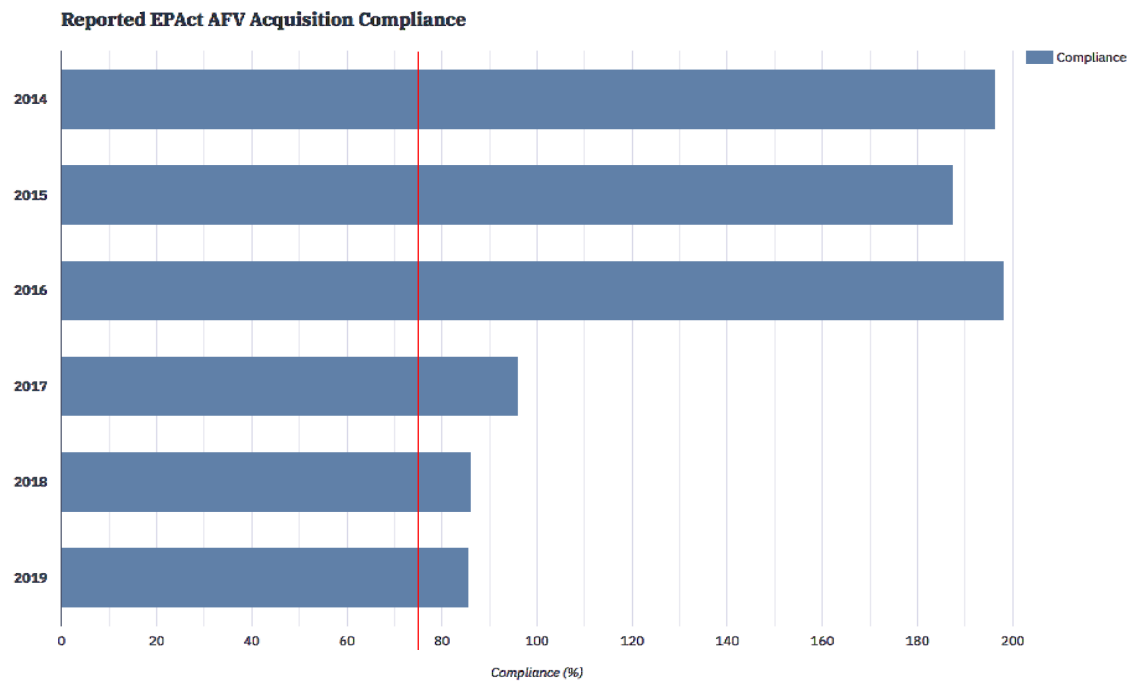
Disclaimers

All FY 2019 data shown in the following slides is preliminary, subject to change based on agency corrections, and shown here solely to support discussion

EPAct AFV Compliance Analysis

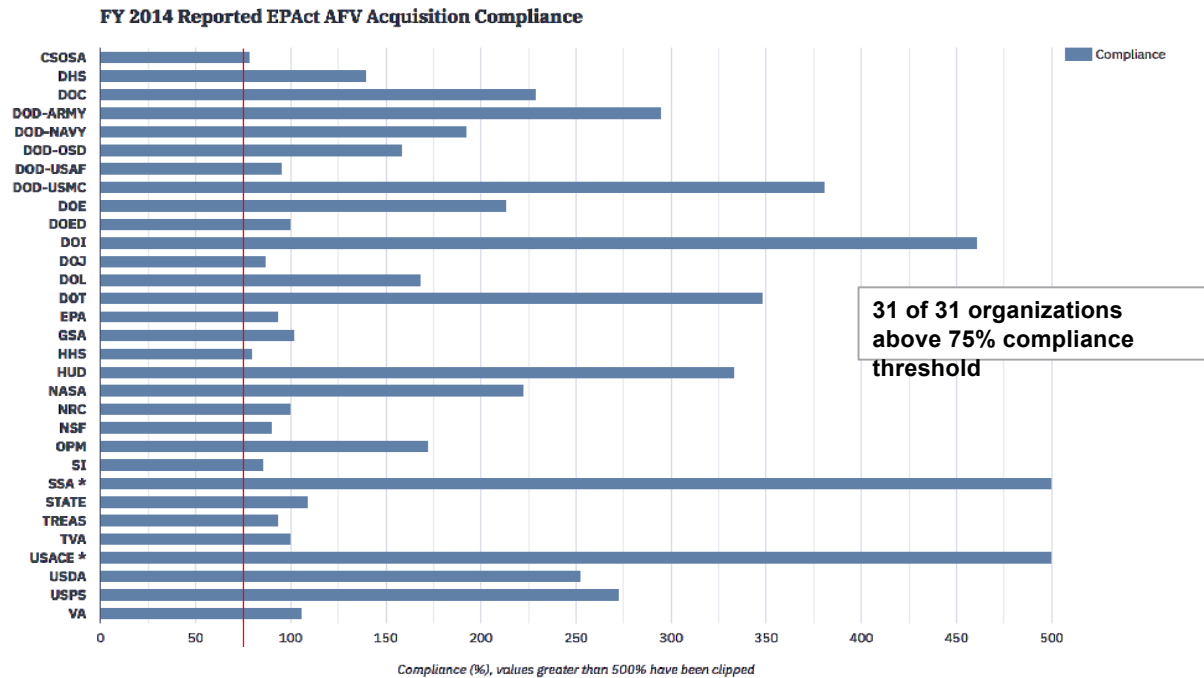
Question: What is causing the recent decrease in compliance with the EPAct AFV acquisition requirement?

Recent EPAct AFV Acquisition Compliance



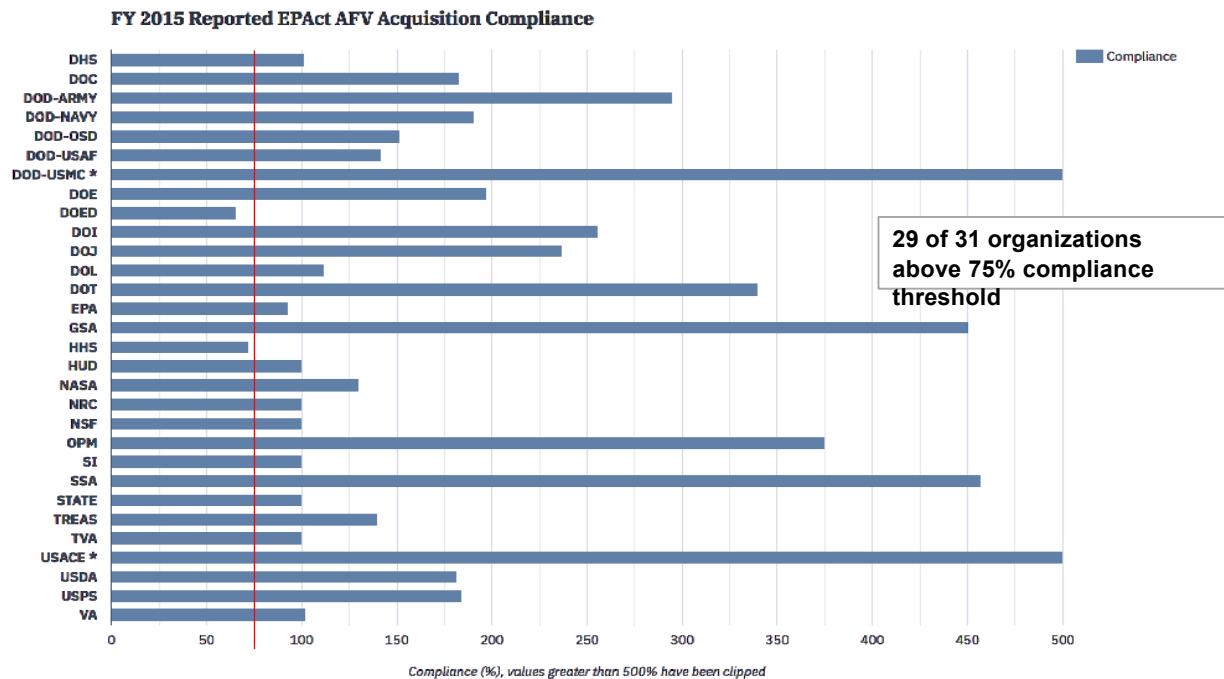
Source: FAST, 2020-01-16. Any FY 2019 data shown is considered preliminary and subject to change.

Recent EPAct AFV Acquisition Compliance



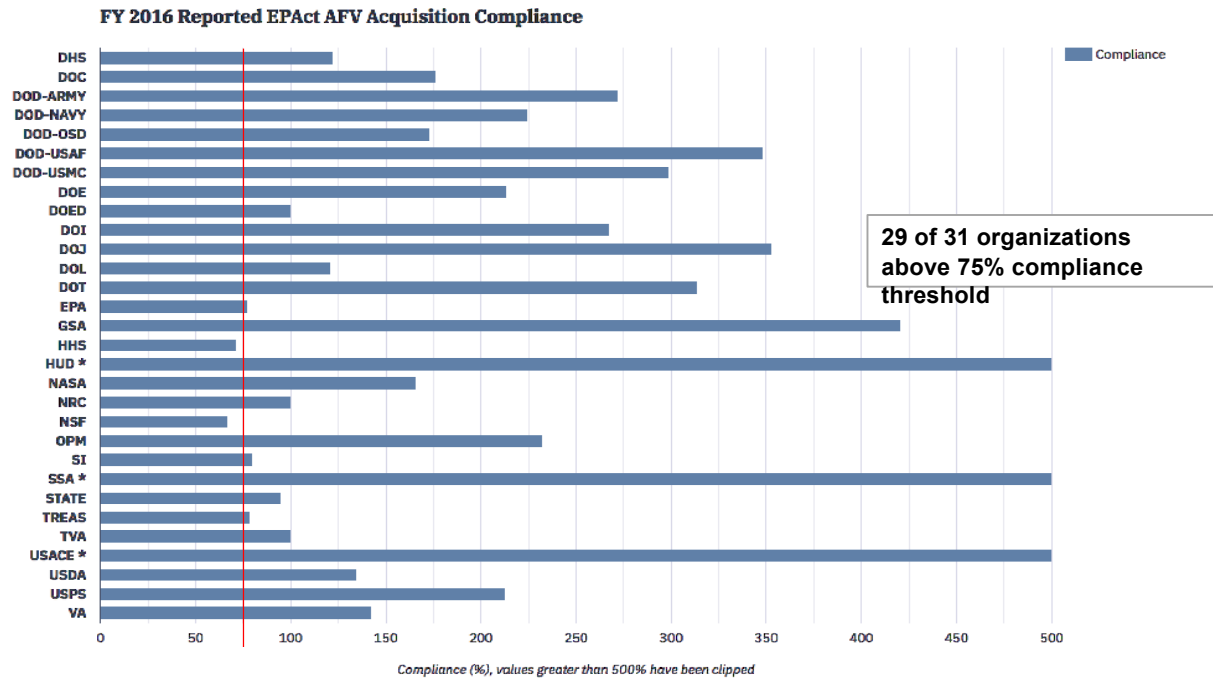
Source: FAST, 2020-01-16. Covered agencies not shown reported no acquisitions and are considered compliant. Any FY 2019 data shown is considered preliminary and subject to change.

Recent EPAct AFV Acquisition Compliance



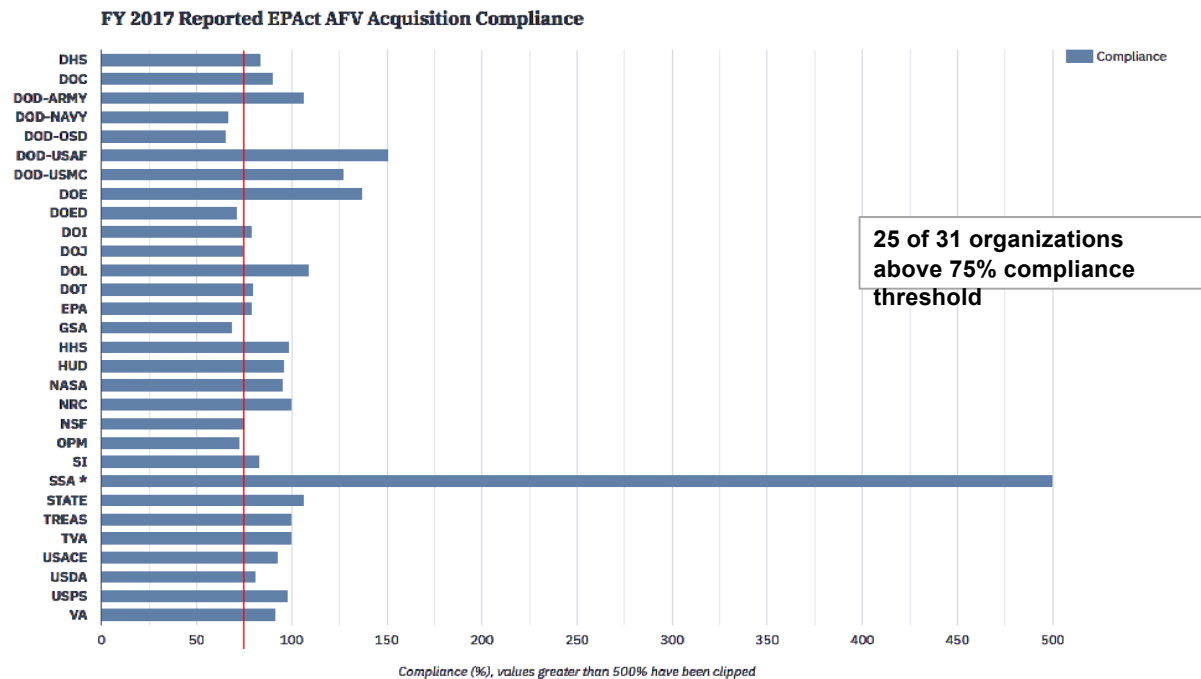
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Recent EPAct AFV Acquisition Compliance



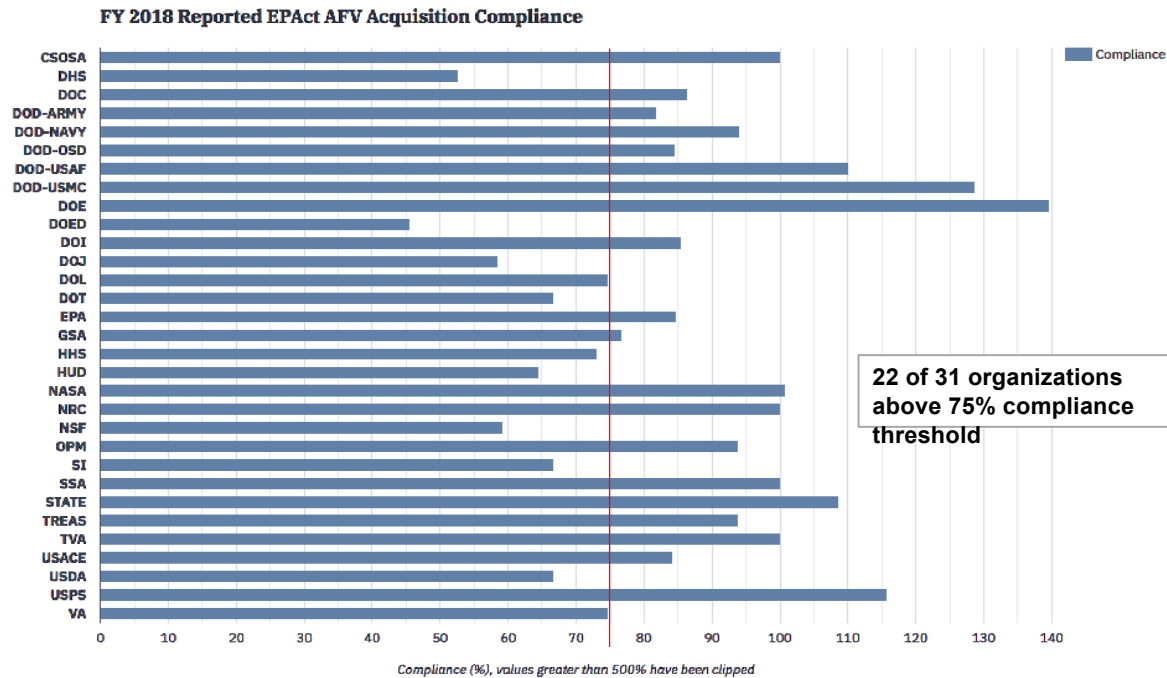
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Recent EPAct AFV Acquisition Compliance



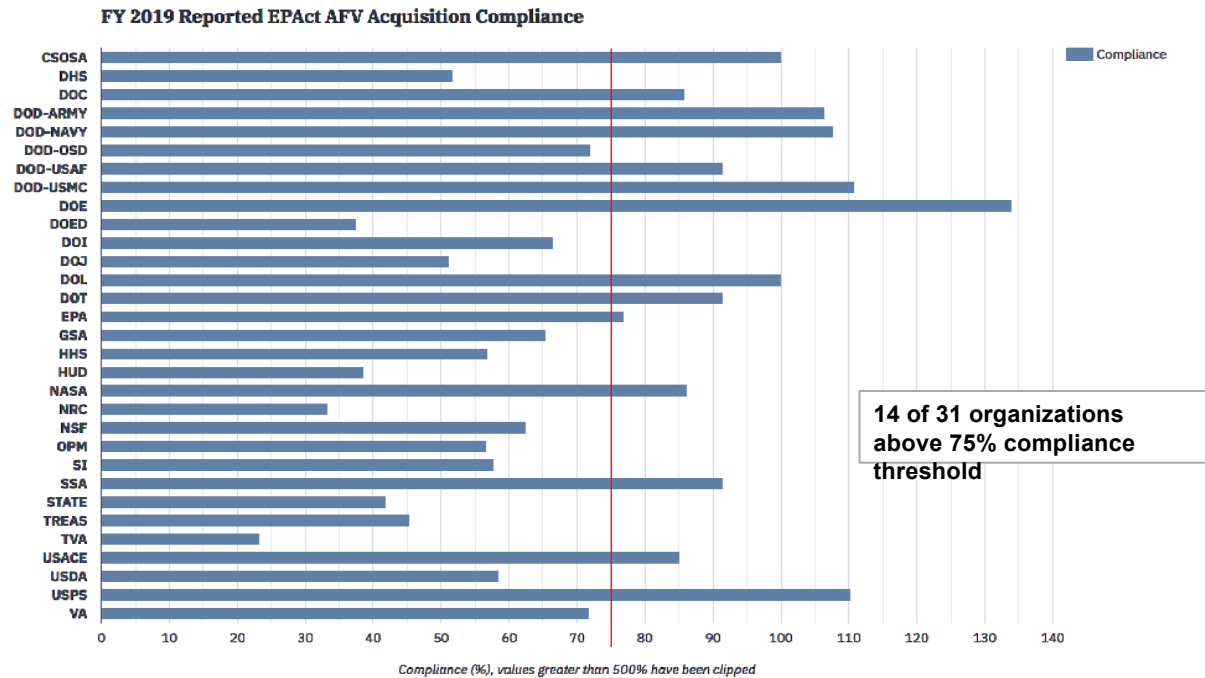
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Recent EPAct AFV Acquisition Compliance



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Recent EPAct AFV Acquisition Compliance

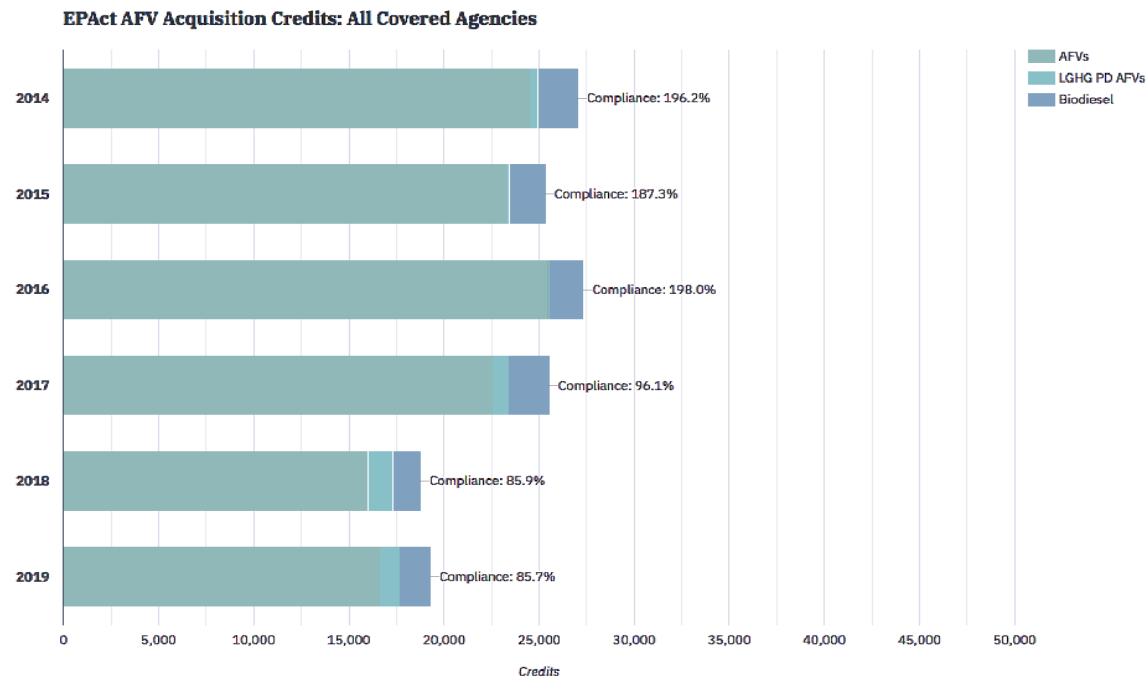


Source: FAST, 2020-01-16. Covered agencies not shown reported no acquisitions and are considered compliant. Any FY 2019 data shown is considered preliminary and subject to change.

What's behind the drop in compliance?

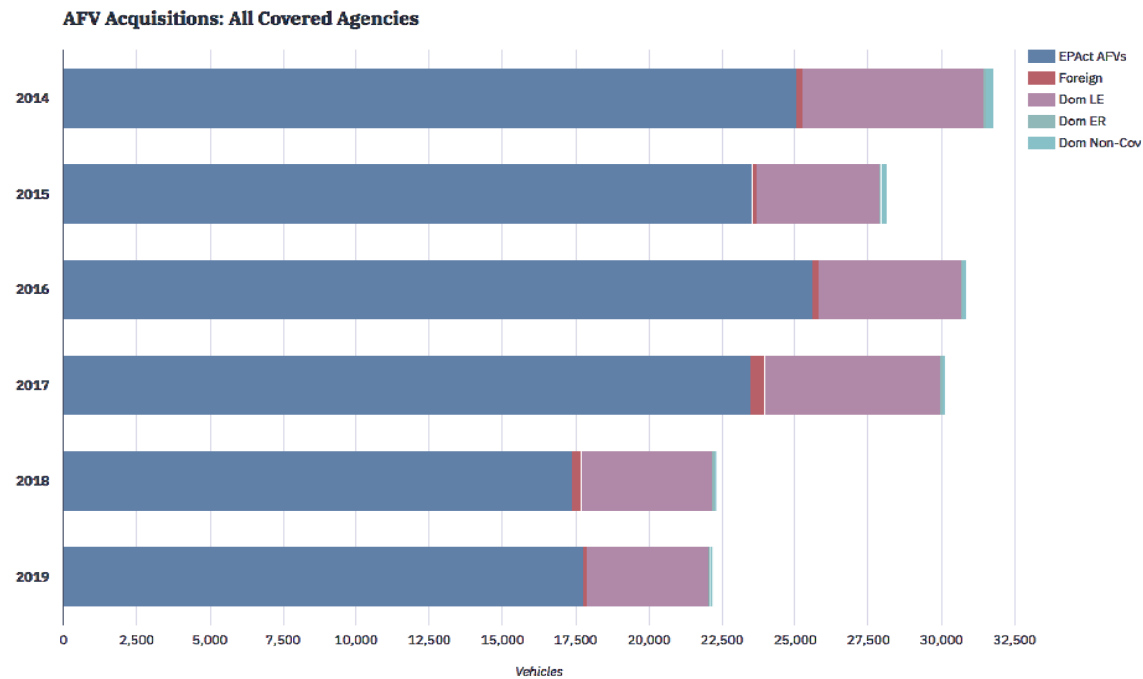
- **Pre-VLD years' compliance may have been *overstated*?**
- **VLD years' compliance significantly *understated*!**

EPAct AFV Acquisition Credits



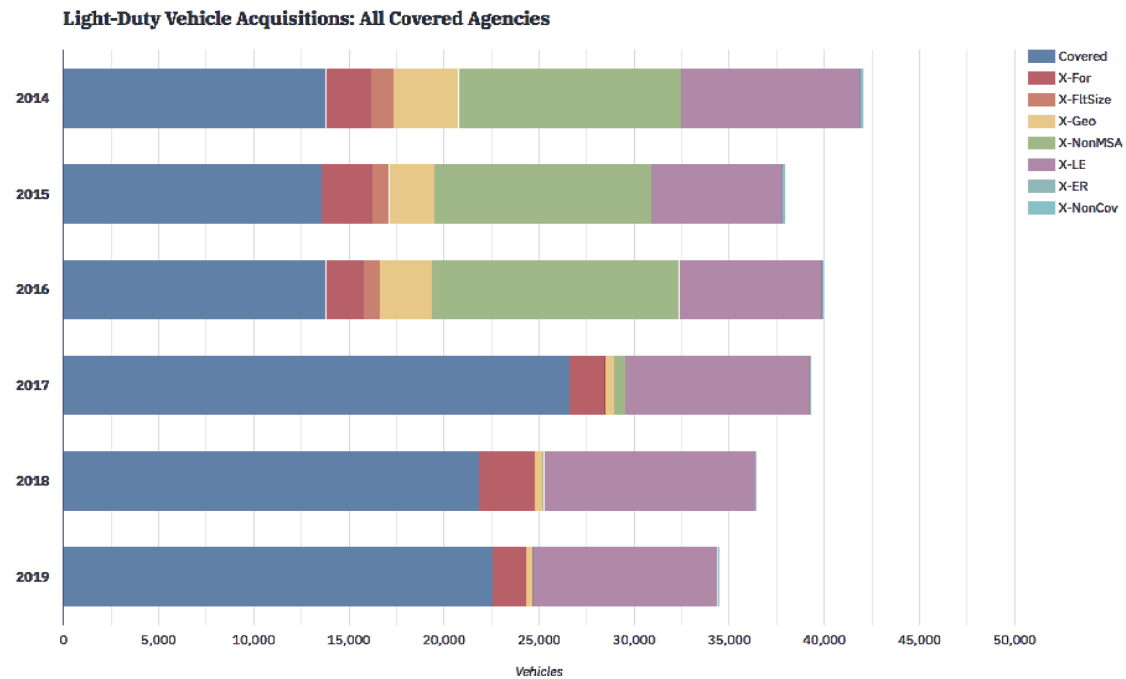
Source: FAST, 2020-01-16. Any FY 2019 data shown is considered preliminary and subject to change.

Recent AFV Acquisitions



Source: FAST, 2020-01-16. Any FY 2019 data shown is considered preliminary and subject to change.

Designation of Light-Duty Acquisitions

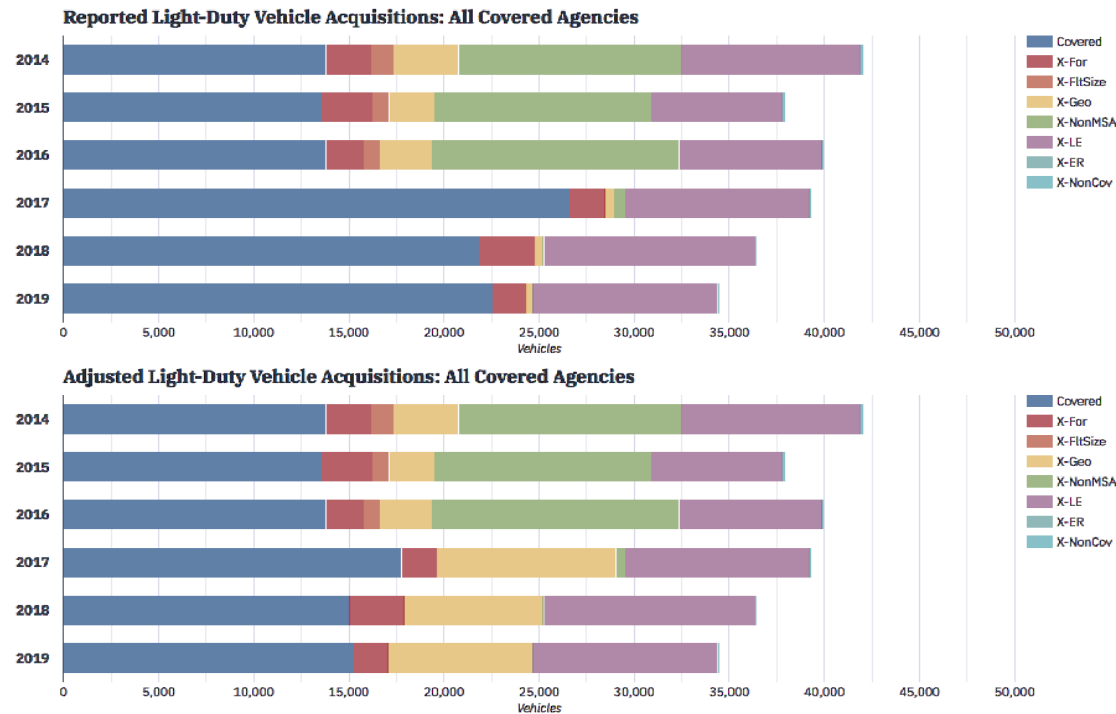


Source: FAST, 2020-01-16. Any FY 2019 data shown is considered preliminary and subject to change.

What if we take a different approach?

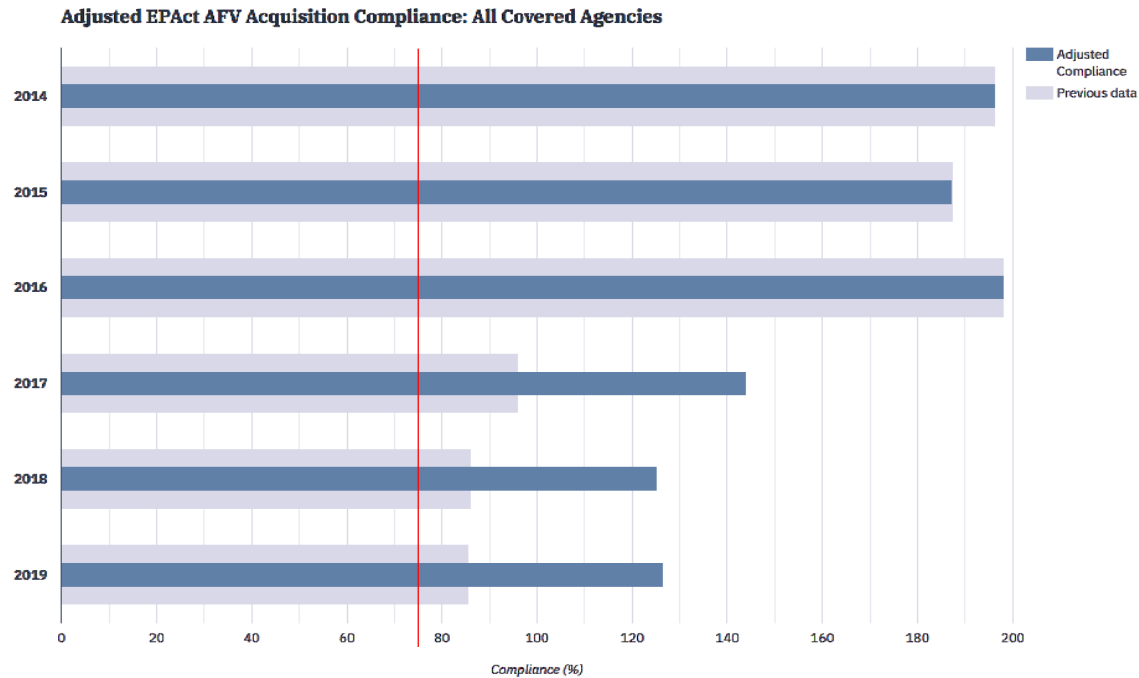
- **Proposed approach to calculating compliance:**
 - Use vehicle location information to
 - Provide geographic exemptions
 - Verify agency-claimed geographic exemptions
 - Verify agency-claimed non-MSA operation exemptions
- **Yields a more accurate characterization of compliance for FY 2019 and future years**
- **Note: DOE does not plan to revise pre-2019 compliance figures!**

Proposed Approach: Hypothetical Result



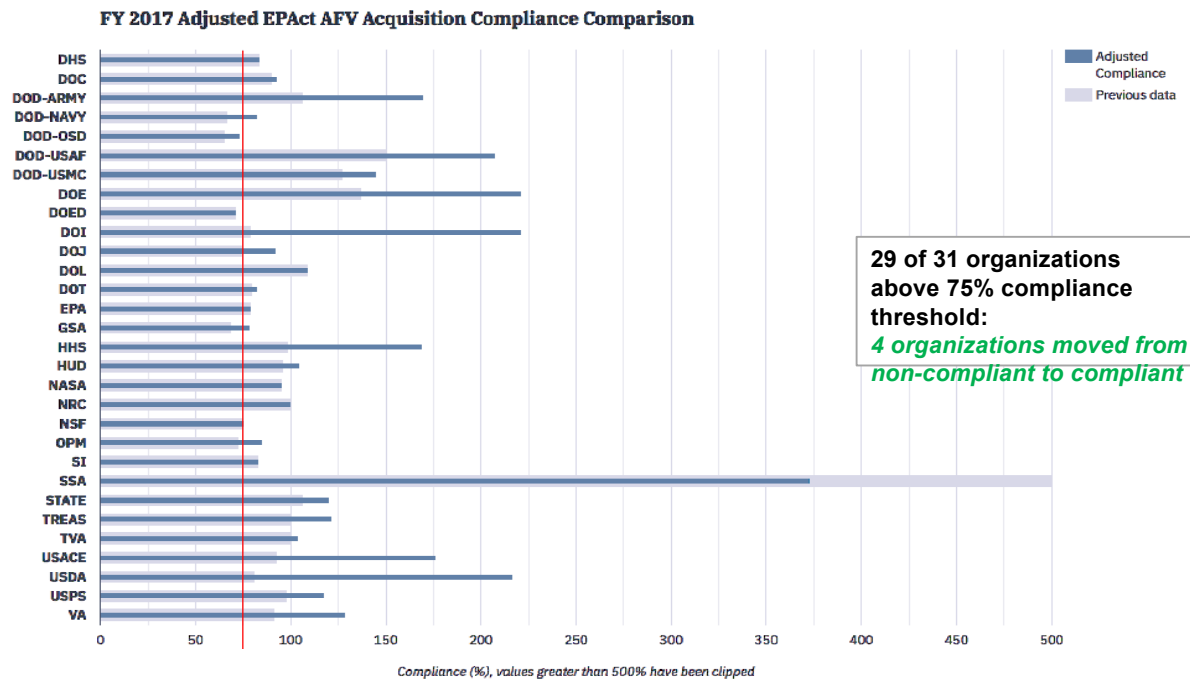
Source: FAST, 2020-01-16. Any FY 2019 data shown is considered preliminary and subject to change. DOE does not plan to revise pre-2019 compliance data; shown here only for illustration.

Proposed Approach: Hypothetical Result



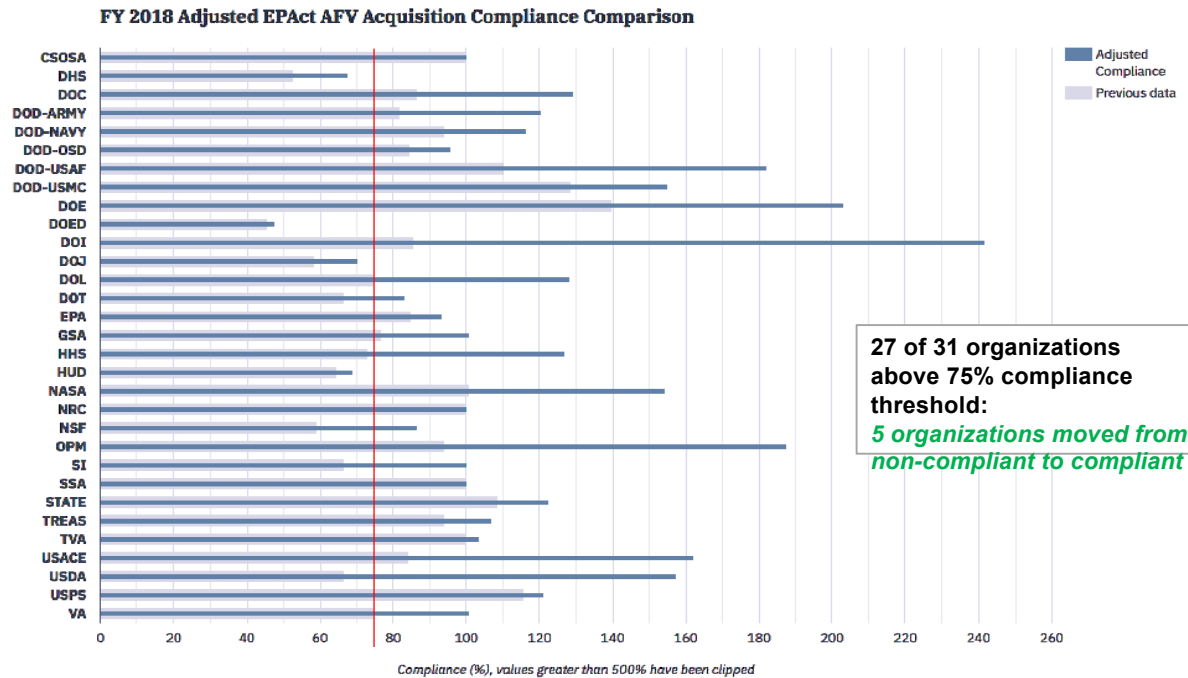
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Proposed Approach: Hypothetical Result



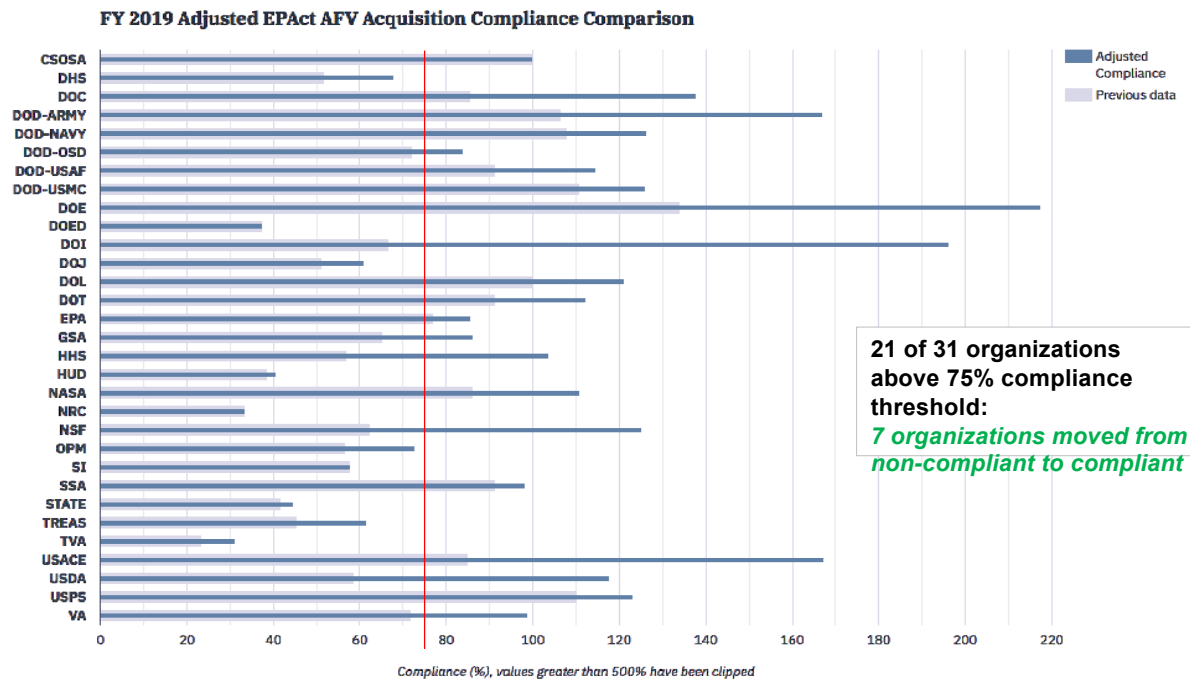
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Proposed Approach: Hypothetical Result



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Proposed Approach: Hypothetical Result



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Discussion