

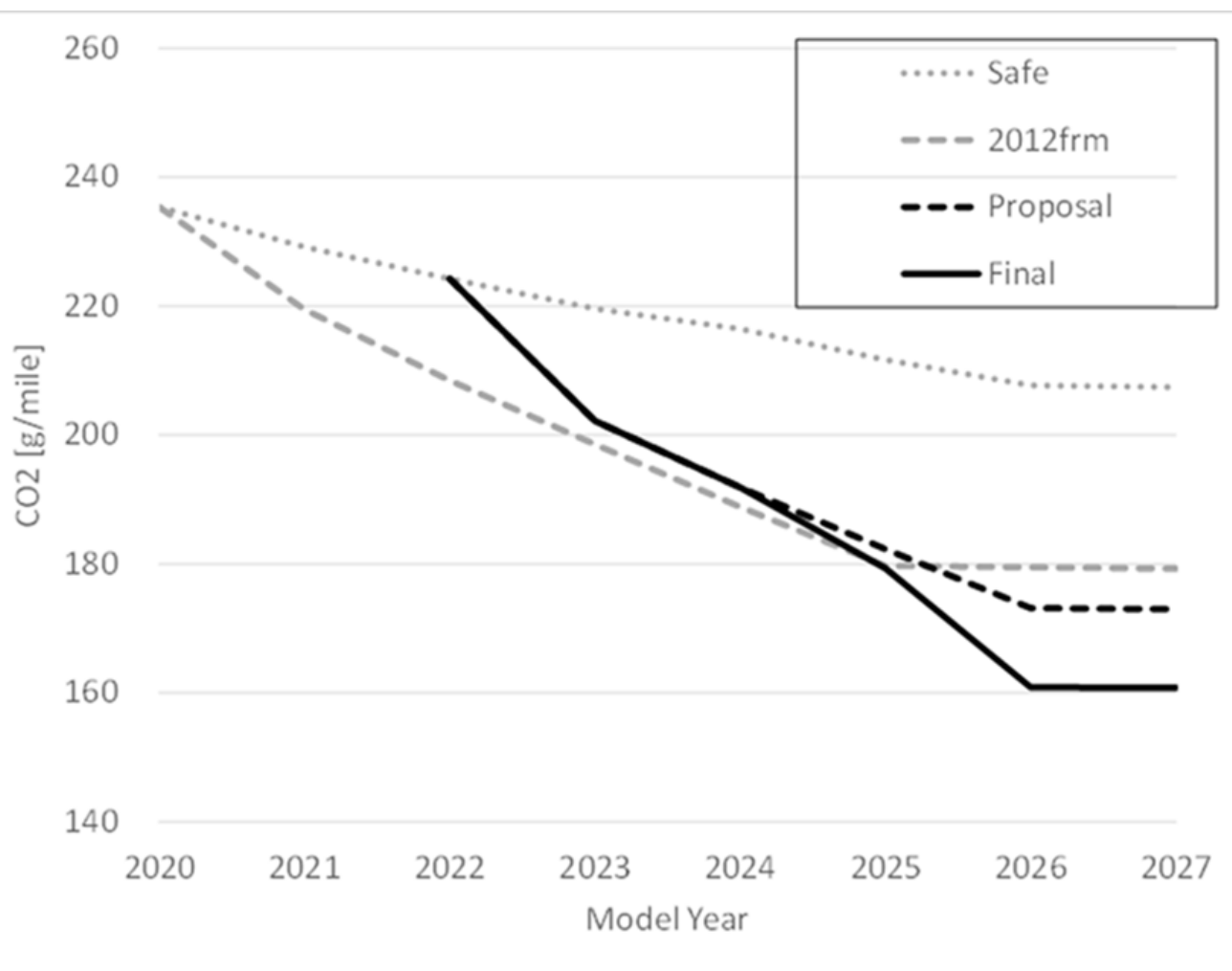
SAE Government-Industry Light-Duty Vehicles Policy & Regulations Panel

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Outline

- Recent Action: Light-Duty Vehicle GHG Model Year 2023-2026
- Future Action: Light-Duty + Medium-Duty Multipollutant 2027+
- Considerations for 2027+
- Stakeholder Engagement

Light-Duty Vehicle GHG Standards for MYs 2023-2026



- Most stringent LDV GHG standards (to date)
- Net benefits of \$190 billion: improved public health, reduced climate impacts, consumer fuel savings
- More than 3 billion tons avoided GHG emissions through 2050
- Projects MY2026 compliance can be achieved with ~ 17% EVs industry-wide
- Strong launch point for 2027+ transition of fleet toward zero emissions

Future Action: 2027 and Beyond

- EPA is now initiating a rule for Model Year 2027 and beyond
 - Light-duty + Medium-duty (Class 2B/3) vehicles
 - Multipollutant: GHGs + criteria pollutants + air toxics
 - At least through MY2030
- Landscape:
 - Continued need for deeper emission reductions from these sectors to protect public health and welfare
 - Transition fleet toward zero emissions -- leverage where the industry is headed
 - Responsive to Executive Order 14037 – Administration's goal of 50% ZEV sales by 2030
- Timing:
 - Proposed rule: March 2023
 - Final rule: March 2024

Considerations for 2027+

- Lessons learned through past 10 years of LDV GHG program implementation
- Focus on real-world emissions improvement
- Opportunity to reimagine what the EPA program should look like – what program structure will best support transition of the fleet from ICE to ZEVs?
 - Performance-based standards vs. ZEV mandate?
 - Footprint design?
 - Cars/trucks vs. single fleet?
 - In-use vehicle usage (VMT)?
 - Representative drive cycles?
- Closer integration of LD and MD?
- Synergies between GHG and criteria pollutants?
- EV efficiency, upstream emissions?
- Equity and affordability
- Emerging mobility changes: e.g., transportation network companies, new service/ownership models, connected/autonomous

Stakeholder Engagement

EPA looks forward to engaging with all stakeholders to gather input and views that will shape the 2027+ rulemaking