

OTC Mobile Source Committee Overview

OTC/MANEVU Stakeholders Meeting

September 21, 2023

Mobile Sources Committee

Chair, Paul Farrell, CT Department of Energy and Environmental Protection



OZONE TRANSPORT COMMISSION

Presentation Overview

MSC 2023 Charge

- ✓ Medium- and heavy-duty truck NOx.
- ✓ Tampering and aftermarket catalysts.
- ✓ Cross-committee coordination.
- ✓ Provide technical and policy support where needed.

Medium and Heavy-Duty Trucks

Update on Activities:

- The Mobile Sources Committee commented on EPA's Proposed GHG Emissions Standards for Heavy-Duty Vehicles (Phase 3 regulation).
- The MSC asked EPA to set standards that would require equivalent stringency as the CARB Advanced Clean Trucks regulation, nationwide.

Tampering Update

Update:

- The MSC is following development of commercially available low-cost tampering detection tools.
- On-board diagnostic-based tools in development will be able to detect emission control defeat devices (software tampering or hardware removal).
- Availability/use of the tools can provide additional information on the frequency of tampering with emission control systems.

Tampering Update (Continued)

Update:

- Tampering authority memo:
 - The tampering workgroup developed a tampering authority memo.
 - The memo provides common sense recommendations on how states can improve their authority to enforce against tampering.
 - Ex. Allow for OBD based tools for emissions testing.
 - Allows states to compare their regulations/statutes with other states.
 - Draft memo will be sent to the directors this fall.

Tampering Update (continued)

- The Tampering workgroup with a contractor drafted a revision to an existing OTC model rule.
- The aftermarket catalyst model rule from 2014 is being updated to include provisions NY codified last year.
- The change makes it easier to match CARB certified aftermarket catalysts to federally certified vehicles, reducing emissions from the vehicles.
- The updated rule will be sent to the directors this fall.

Cross Committee Collaboration

Update

- The MSC sent all modeling results conducted over the past year to the Modeling Committee.
 - Modeling of the emissions benefits of ACC II, ACT, and Omnibus.
- Held joint MSC and Modeling Committee calls to discuss:
 - Incorporating federal regulations into the modeling platform.
 - Incorporating emission reduction strategies, such as the CARB regulations into the modeling platform.

Cross Committee Collaboration (continued)

Update

- The MSC will schedule a follow-up call with the Modeling Committee on incorporating control measures into the models.
- The MSC will discuss wintertime nitrates from LD, MD, and HD vehicles with the MANEVU Technical Support Committee.

As Resources Allow: Light- and Medium-Duty Vehicles

The MSC submitted comments to EPA on its Multi-Pollutant Emissions Standards for Model Years 2027 and Later Light-Duty and Medium-Duty Vehicles

- Proposal issued in May.
- Final rule expected by the Spring of 2024.
- The Mobile Sources Committee commented that EPA should finalize standards equivalent in stringency to the CARB Advanced Clean Cars II regulation, nationwide.

As Resources Allow: Other Issues

- The MSC heard a presentation from CARB on its recently finalized in-use locomotive regulation and discussed opportunities for states outside of CA to adopt the regulation.
- The MSC heard a presentation from Coltura on its analysis of high gasoline users.

Summary and Discussion

Medium- and Heavy-duty Trucks

Commented on EPA proposed HD GHG (Phase 3) regulation.

Anti-Tampering

Identified where state regulations can be strengthened to facilitate enforcement.

Followed development of OBD-based tampering detection tools.

Made progress on an updated model rule on aftermarket catalysts.

Cross Committee Collaboration

Coordinating with the Modeling Committee on ACC II, ACT, Omnibus modeling and NOx reductions from the EPA HD NOx final rule, and two EPA proposals: light- and medium-duty multi-pollutants and heavy-duty GHG.

Will coordinate with MANEVU Technical Support Committee on wintertime nitrates.

Technical Support on Policy Where Needed

Commented on EPA's light- and medium-duty multipollutant proposed rule.



Thank you!

Mobile Sources Committee

Chair, Paul Farrell, CT Department of Energy and Environmental Protection



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