

OTC / MANE-VU Joint Committees' Meeting

April 11, 2019

Tad Aburn, Air Director, MDE
Acting Chair, OTC Mobile Sources Committee



Overview

- Thanks to Past Chair - Christine Kirby (MA)
- Heavy Duty Diesel Vehicles (HDDV)
- Aftermarket Catalysts (AMC)
- Idle Reduction
- Other Critical Mobile Sources Initiatives
 - Volkswagen Settlement
 - Transportation Climate Initiative (TCI)
 - Zero Emission Vehicles (ZEV) Task Force (MOU Partnership)
 - Electric Vehicle (EV) Efforts
 - Individual State Efforts

Thanks to Christine Kirby

- Chair for over 3 Years
 - Recognition at OTC Annual Meeting on June 11
- Major contributor to OTC & ozone progress in the Ozone Transport Region (OTR)
- Known for her collaboration with key stakeholders
- Moving onto greener pastures – we will continue working with her
- Mobile Sources Committee now in transition
 - Tad Aburn from Maryland acting as interim Chair

A bright blue sky with a sunburst effect and scattered white clouds. The sun is positioned in the upper right quadrant, creating a strong lens flare and illuminating the scene. The clouds are fluffy and white, scattered across the sky. The overall mood is bright and clear.

COMMITTEE PRIORITIES

Current Highest Priority

- Past OTC Actions
 - [Statement of the OTC & MANE VU regarding expediting adoption by the EPA of more protective heavy duty NOx Emission Standards](#) June 7, 2018
- Likely action item at OTC Annual Meeting on June 11, on EPA's Cleaner Trucks Initiative emphasizing the need for:
 - Continued regional NOx reductions
 - Stringent standards
 - Federal leadership
 - Collaborative process
 - Link to latest OTC research on NOx & land/water interface issues
- Collaboration with interested stakeholders

Mobile Sources Committee - Aftermarket Catalysts (AMC)

Another Hot Issue at OTC and EPA

- Past Actions
 - [Letter to the EPA regarding their Tampering Policy](#) December 31, 2018
 - EPA releases its “[Preview of the Draft “EPA Tampering Policy” for Stakeholder Awareness](#)” September, 2018
 - [Letter to Administrator Wheeler regarding working together with states to solve regional ozone transport issues](#) August 20, 2018
 - Admin. Wheeler’s Response to OTC, Feb 12, 2019
 - [Letter to EPA Administrator Pruitt Concerning the Federal Aftermarket Catalytic Converter Enforcement Policy](#) August 21, 2017
 - [Statement of the OTC Requesting that the EPA Update the Federal Aftermarket Catalytic Converter Policy](#) June 6, 2017
- OTC working on Commissioners’ letter to EPA Regional Administrators to follow up on earlier collaboration with the Regions on this issue

Mobile Sources Committee - Idle Reduction

Implementing the OTC Resolution of November 2017

- Almost all OTC states implementing some initiative, varies by state
- OTC coordinating the sharing of best practices
- Three examples:
 - **DC** - Using thermal imaging camera attachments so enforcement can inexpensively & accurately document idling.
 - **NJ** - Longstanding anti-idling program using signs as a way to educate.
<https://www.stophesoot.org/sts-no-idle-sign.htm>
 - **MD** - The “Idle Free MD” Program in Partnership with Maryland schools & the Maryland Motor Truck Association (MMTA)
<https://mde.maryland.gov/programs/Air/MobileSources/idlefreeMD/Pages/index.aspx>



A bright sun is positioned in the upper right quadrant of the image, casting rays across a clear blue sky. Several large, fluffy white clouds are scattered across the middle ground, partially obscuring the sun's rays. The overall scene is bright and clear, suggesting a sunny day.

INCREASED COLLABORATION

Multiple other non-OTC efforts to provide significant NOx Reductions & Ozone Benefits

- OTC states to collaborate in these other mobile source initiatives to insure ozone co-benefits are maximized
 - Volkswagen (VW) Settlement
 - Transportation and Climate Initiative (TCI)
 - Zero Emission Vehicles (ZEV) Task Force
 - State Electric Vehicle (EV) Initiatives

Mobile Sources Committee – Volkswagen Settlement

- Expect very meaningful NOx Reductions, Ozone Benefits, & Toxics (diesel particulate) benefits.
- Many benefits in underserved communities & environmental justice areas.
- Significant investment into EV infrastructure included in most OTC state mitigation plans.

State	\$ Million	Status: Plan Finalized & Approved by Trustee?	Proposals by Stakeholders
CT	55.0	Y; 1 st Round of Funding Completed (\$12.18M)	State, Muni, Private. Electric transit/shuttle buses, diesel school buses, CNG refuse trucks, diesel trucks, ferry repower
DC	8.1	Y	
DE	9.6	Y; Funding in 3 phases	Phase 1: currently underway; Replacing 57 state owned school buses through DERA & VW funds; Phase 2: RFP for project proposals recently closed; Project selection will begin soon & awarded projects will begin next year.
MA	75	Y	1 st round funding: \$11 million for electric transit buses, \$5million for light-duty electric vehicle charging stations; \$7.5 million Open Solicitation submittals due 3/18/19 are under review
MD	76.0	Y	Projects from Business, County, & Community stakeholders - deadline May 6

Mobile Sources Committee – Volkswagen Settlement

State	\$ Million	Status: Plan Finalized & Approved by Trustee?	Proposals by Stakeholders
NH	30.9	Y	VW funding for State Clean Diesel Program (DERA) ongoing
NJ	72.2	Y	Received \$450 million worth of proposals for all 10 mitigation categories from diverse set of project partners
NY	128.0	Y	Yes. Plan proposes funding for 9/10 mitigation action items; Emphasis on all-electric applications, EJ & NAA
PA	118	Y	Funding all project types eligible under Settlement Agreement including 15% maximum for EV infrastructure, grants & rebates for HDD highway vehicles.
RI	14.3	Y; Funding requests: 1 st one: approved 2 nd one: submit this year	<i>Electrification of public transit buses.</i> 10/2018: 3 electric buses launched; Plan to replace 16-20 more in future years. <i>EVSE Investment Plan focus:</i> 1. build-out DCFC at publicly-accessible facilities along major travel corridors; 2. Direct incentive program for employers, residential & public charging infrastructure.
VA	94.0	Y	Received project ideas totaling \$596M from both public & private sector

TCI Related Initiatives

- Partnership involving all 13 OTC member jurisdictions
 - Staffed by Georgetown Climate Center
- A “Cap-And-Invest” program similar to RGGI but for the transportation sector
- Driven by reducing greenhouse gas emissions, but likely to generate significant NOx reductions & ozone co-benefits
- Intense program development process through the end of the year
- Multiple opportunities for stakeholder involvement
- <https://www.transportationandclimate.org/>

ZEV Initiatives

- A 9 state (7 OTC states) partnership supported by NESCAUM
 - CA, CT, MA, MD, NJ, NY, OR, RI, VT
 - Some other OTC states participating informally
- Driven by ZEV requirements under CAA Sec. 177
- Potentially significant NOx reductions & ozone benefits
- Initiative includes Partnerships with private sector, outreach & education, & much more
- 2018 to 2021 Action Plan released in 2018
- <https://www.zevstates.us/>

Mobile Sources Committee - Electric Vehicles (EV) Initiatives

Other Ozone Related Individual State Actions - Potentially significant NOx reductions & ozone benefits

State	Programs, Incentives, & Other Actions
CT	CHEAPR Incentive Program; EV Roadmap; VW Grant Program
DC	“Clean Energy DC Omnibus Act of 2018” Tax based on vehicle fuel efficiency, allows GHG tax on fuel if MD and VA do too. 11 EV Actions from “Clean Energy DC” Action Plan.
DE	Electric Vehicles are handled by the Division of Energy, Coastal and Climate
MA	VW charging station grants, MassEVolves recognizing leaders in the transition to clean transportation, Ride and Drives, MOR-EV (Massachusetts Offers Rebates for Electric Vehicles), Make-Ready programs by 2 largest electric utilities
MD	2019 update to Governor’s Clean Car Act; Expanded vehicle and infrastructure tax incentives; EV Council.
NH	EV Charging Stations Infrastructure Commission; EV Signage Policy; EVSE Universal Access Statute (Payment); Requirement for Public EVSE to Register on AFDC.
NJ	Sales tax exemption, Ride & Drives, <i>Drive Change</i> . <i>Drive Electric</i> campaign, It Pay\$ to Plug In EV charging grant program.
NY	EVSE incentives (EVolve NY, Charge Ready NY, Municipal Rebates, proposed VW); PEV rebates (Drive Clean Rebate for Plug-In Electric Cars, Municipal Rebates, NY Truck Voucher Incentive Program); Utility DCFC incentive program; consumer & dealer outreach.
PA	Max 15% of VW settlement given to EV infrastructure; Formed Drive Electric Coalition that developed a final EV Road Map in Feb; Grant rebate program for residents to partially fund EV purchases; Grant program to partially fund large vehicles purchases & EV infrastructure build out.
RI	DERA grants awarded to marine engine & on-road sector replacements.
VA	2018 update to Virginia Energy Plan with recommendation for electrification & greening of public fleets.

A bright sun is positioned in the upper right quadrant of the image, casting a strong glow and creating a lens flare effect. The sky is a clear, vibrant blue, with several large, fluffy white cumulus clouds scattered across the upper half. The lower half of the image is a solid, clear blue sky. The word "QUESTIONS?" is centered in the lower half of the image in a white, bold, sans-serif font with a thin blue outline.

QUESTIONS?