

OTC / MANE-VU Joint Committees' Meeting

September 21, 2018

Christine Kirby, MA - Mobile Sources Committee Chair



Idling Toolkit

1. Completed review of available resources

 <p>Clean Cities U.S. Department of Energy</p>	 <p>OZONE TRANSPORT COMMISSION</p>	 <p>CONNECTICUT ENERGY ENVIRONMENT</p>	 <p>DEPARTMENT OF ENERGY & ENVIRONMENT</p>
Idle Box Toolkit	Best Idling Practices	Brochures/Children's Book	Brochures/Postcards
 <p>MassDEP Massachusetts Department of Environmental Protection</p>	 <p>Maryland Department of the Environment</p>	 <p>Ontario Ministry of the Environment and Climate Change</p>	 <p>UNITED STATES ENVIRONMENTAL PROTECTION AGENCY</p>
FAQs	Poster	Campaign Toolkit	SmartWay

<https://www.dropbox.com/sh/3zegu6oygt5g1e3/AAAP2-uMugTzOSo82KBrXrSka?dl=0>

2. Developing Idling Toolkit – Educational/Information Brochures

- General Brochure - text ready
- School Bus Brochure - text ready
- Reefers/e-Tru (electric trailer refrigeration units) Brochure
- Motor Coach Brochure

Current Committee Charge (November 2017)

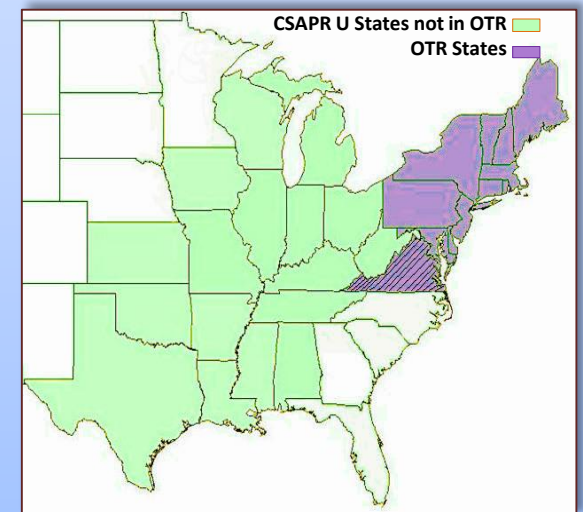
- Goal: To identify potential strategies for consideration for Fall 2018
- Strategies Include:
 1. Develop an OTC Idling Toolkit of Educational Materials
 2. Good Neighbor SIP Strategies
 - a) Calculate emissions reductions inside and outside of the OTR from the recommended mobile source GN SIP strategies
 - b) Develop recommendations for additional strategies for consideration
 3. Report on EPA's Progress on Critical Federal Strategies
 4. Report on State Progress on the VW settlement, ZEVs, DERA, SmartWay[®], and EPA's Ports Initiative
 5. Additional Transportation Strategies

GN Strategies Workgroup

Goal: Develop a Recommendation on the Top 3 Mobile GN SIP Strategies

Progress to Date in Fulfilling Charge:

- Identified three NO_x control strategies to focus on:
 - Heavy Duty Diesel Inspection and Maintenance (I&M)
 - Aftermarket Parts
 - Idling Reduction
- Identified geography to focus on: states within OTC + those in CSAPR Update
- Starting to collect data on
 - Total NO_x emissions,
 - Potential emissions reduction,
 - Control measures (on the books & on the way state and federal regulations; voluntary measures),
 - Emission limits,
 - Cost of implementation,
 - Ease of implementation, etc.



Good Neighbor SIP Calculations: Draft NO_x Reductions

	Percent Reduced	East of the MS		OTR	
		TPY	TPD	TPY	TPD
Aftermarket Converters	~2	22,000	59	5,700	16
Idling (Onroad)	~16	180,000	480	41,000	112
Idling (Nonroad)	~13	39,000	110	17,000	47
Idling (Improved <small>MD Only</small>)	TBD	2,600	7	2,600	7

OTC Efforts on Aftermarket Converters

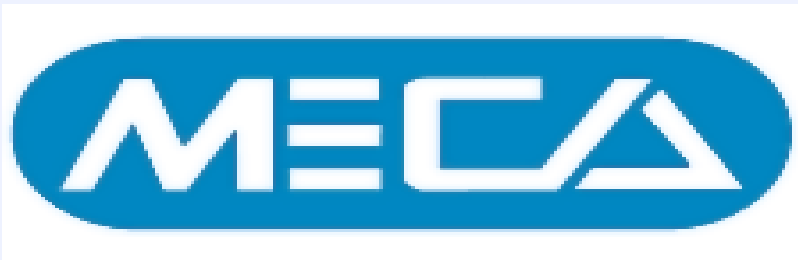
- Next Steps – Update from EPA on future action
- June 2018 – Engagement with EPA OAR AA Bill Wehrum at OTC Caucus
- June 2017 - Adopted a statement at Spring Meeting Calling on EPA to update the federal aftermarket converter policy (letters of support from MECA, WA, CO) – EPA response October 17, 2017
- June 2014 - Statement on the completion of a model rule for aftermarket converters <https://otcair.org/document.asp?fview=modelrules>
- 2011 – Recommendation for an updated policy in response to 2009 Resolution calls for:
 1. Mass based performance
 2. 50k warranty
 3. Testing
 4. Aging: Allow RAT-A or dynamometer

OTC Model Rule/CARB Program

- Based on regulations adopted by several OTC states (ME, VT, NY)
- Model Rule:
 - Requires sale of aftermarket converters with an CARB Executive Order (EO)
 - Requires CARB EO number to be visible during visual inspection
 - Optional language for used converters on vehicles with OBD
- Policy package also includes a model guidance document
- Methodology developed to include program in MOVES

Industry Voluntary Program

- Industry developed a proposed voluntary “green” catalyst certification program
- Requirements for certification are similar to the Recommended Update to Federal Program
- Though similar to OTC recommendations in terms of testing, warranty will be a harder lift for SIP credit and guaranteed reductions
- Supported by MECA and Auto Care Association



Industry Voluntary Program

AutoCare updated their “voluntary” “green catalyst” program proposal

- Addresses OTC’s concerns and improves on other areas
- Areas of concern
 - Securing EPA supportive (it isn’t regulatory)
 - Will it work with the OTC model rule?



OTC States' Updates on VW settlement

Most states have submitted their BMP to the Environmental Mitigation Trust

- [CT](#) – Finished accepting project applications for funding on July 31
- [DC](#) – Submitted BMP on July 6
- [DE](#) – Submitted BMP on Apr 19
- [MD](#) – Seeking project ideas that align with proposed BMP till Dec 31
- [MA](#) – Sought comments on draft BMP; will submit final this Fall
- [ME](#) – Submitted BMP on Apr 19; 4 funding pathways outlined
- [NH](#) - Finished accepting comment June 5 on Draft BMP
- [NJ](#) - Currently accepting additional project proposals for BMP Action #9 – Electric vehicle charging stations for light duty vehicles
- [NY](#) – Just released their mitigation plan and accepting comment/input
- [PA](#) – Submitted BMP on May 14 and now working on funding requests
- [RI](#) - Submitted BMP on July 2 and now working on funding requests
- [VA](#) – Submitted BMP and now evaluating project proposals for funding
- [VT](#) - Submitted BMP and now developing project funding opportunities

Christine Kirby

Assistant Commissioner, MassDEP

OTC Mobile Source Committee Chair

christine.kirby@mass.gov