



**OZONE TRANSPORT COMMISSION** 

#### **Current Committee Charge**

- Goal: To identify potential strategies for consideration at the 2018 Fall Meeting
- 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

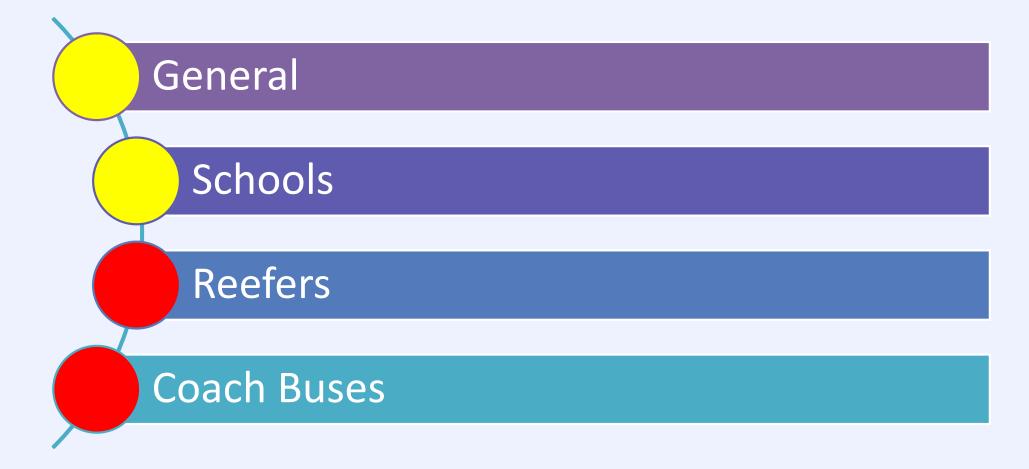
# Idling Toolkit: Resource Review

Workgroup first looked through existing toolkits and resources to avoid duplication of efforts and compiled the resources



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

## Idling Toolkit: New Resources - Brochures



#### Good Neighbor SIP Calculations: Aftermarket Converters

In 2016, Aftermarket Workgroup drafted a technique to model an aftermarket program using MOVES emission rates databases

Ran 2 national default MOVES runs with the aftermarket converter database and assumed the following to estimate domain wide emission reductions:

- Any program would result in reductions similar to adopting OTC model rule
- Program would go into effect in 2020 including in any states that have a program already in effect
- Areas without I/M would see same repair rates as those with I/M
- Other local programs such as RFG would have no effect



## Good Neighbor SIP Calculations: Onroad Idling

Mobile Source Committee examined existing approaches used by member states in approved SIPs, which led to creation of a MOVES emission rate database that reduced emissions from idling operation modes by 80%

Ran 2 national default MOVES runs with the idling database and assumed the following to estimate domain wide emission reductions:

- Would effect running, hoteling run modes equally
- Reductions associated with hoteling were not included from NJ due to inclusion in baseline projections



## Good Neighbor SIP Calculations: Nonroad Idling

In 2012, Mobile Source Committee finalized a methodology to calculate emission reductions from nonroad idling programs

Used this technique assuming the following to estimate domain wide emission reductions:



- Emissions from idling are part of the activity data used to calculate emission in NONROAD based on reading of the model's TSD
- Program would effect diesel equipment, but not pleasure craft or rail
- John Deere's telemetric data more accurately represented idling activity
- States without programs would adopt a 5 minute idling limits
- Rule effectiveness and penetration would be 80%

# Good Neighbor SIP Calculations: "Improved" Idling

 OTC's 2017 Idling Resolution was open about what states could do to improve their idling program

- 13 members means 13 different approaches
- Idling Workgroup opted to survey the members to see what additional reductions as a percentage would be achieved
- Received responses from 11 members
  - No additional reductions
    - Include additional reductions

# Good Neighbor SIP Calculations: Draft NO<sub>x</sub> 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 MD Only)	TBD	2,600	7	2,600	7

#### Notes:

East of the Mississippi will be improved to be based on modeling domain when SMOKE reports become available Number do not yet consider overestimations from state with existing programs TPD calculations do not consider differences between weekdays and weekends

# State Updates

Report on State Progress on the VW settlement, ZEVs, DERA, SmartWay®, and EPA's Ports
Initiative

- States are providing updates
- MSC will provide summary of the updates at the OTC Annual Meeting to meet the charge

#### Questions?

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