

OTC Stakeholder Meeting

September 24th, 2014

Washington, DC

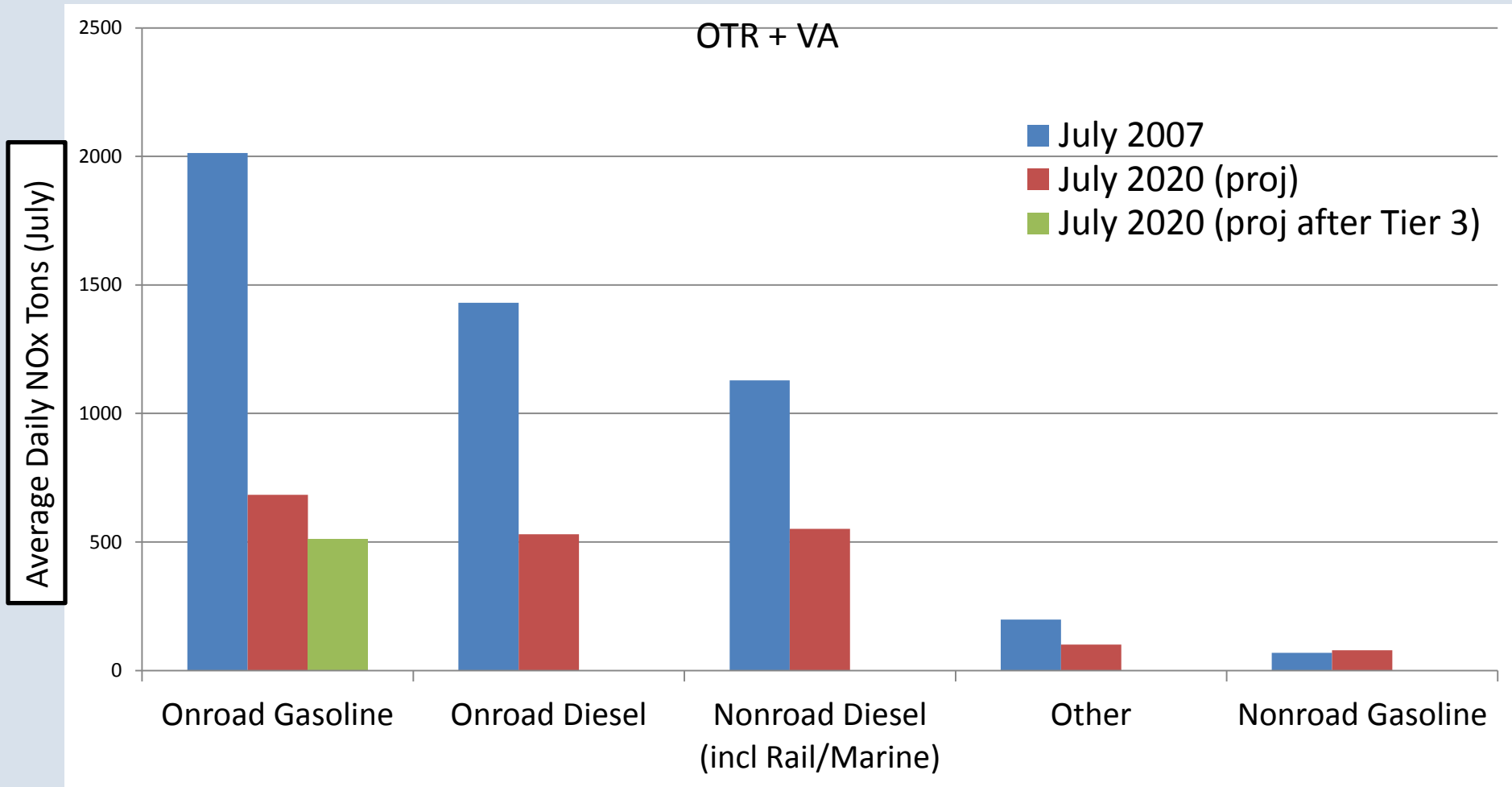
Mobile Source Committee Update



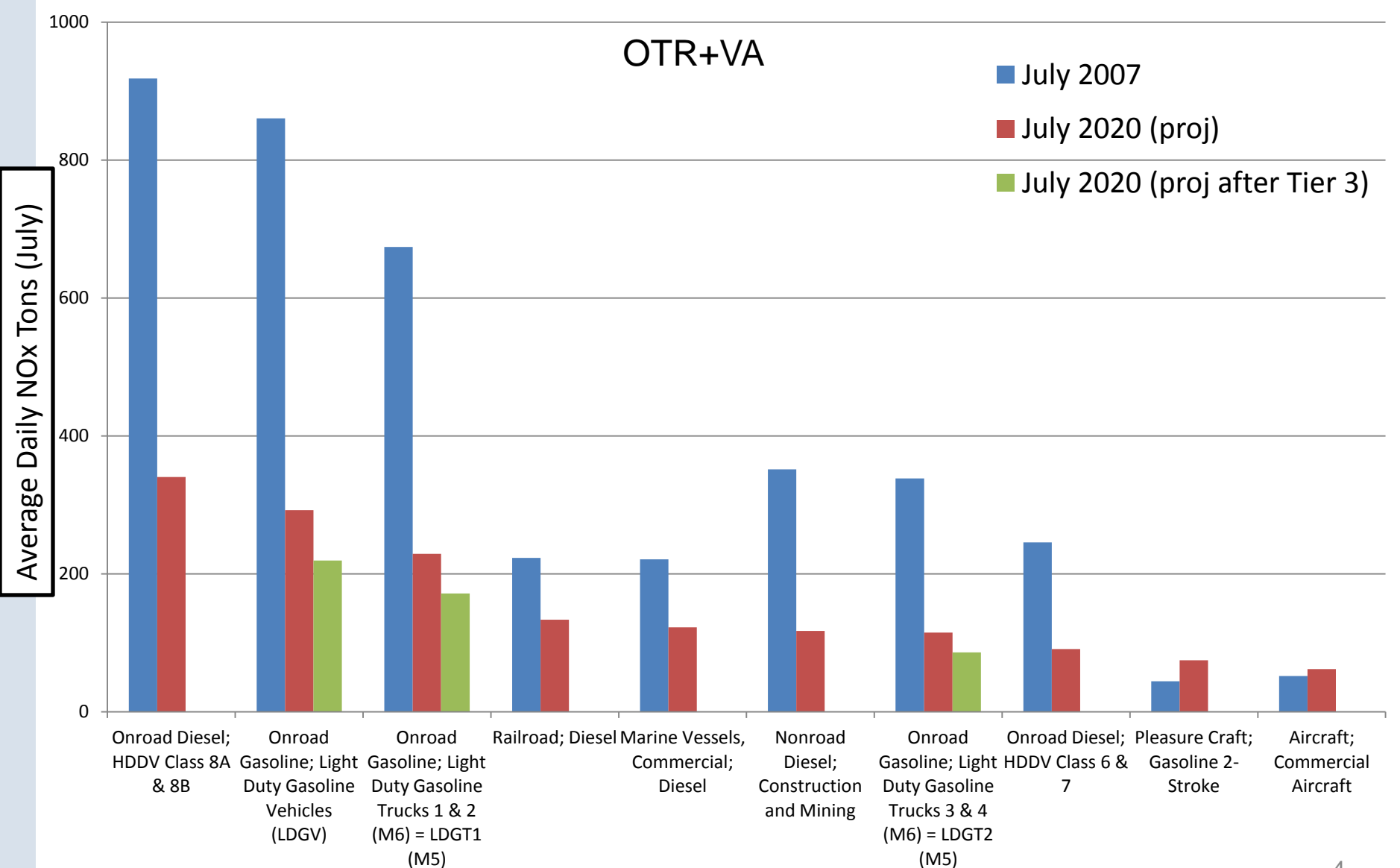
Committee Charge

- Goal: To identify potential strategies for consideration at the 2014 Fall Meeting
- Strategies Include:
 - Sectors of High Emission Reduction Potential
 - Heavy Duty Diesel Trucks
 - Passenger Vehicles
 - Movement of Goods
 - Construction Equipment
 - Pleasure craft
 - Ports
 - Diesel I/M & SIP Credit
 - Compendium of State Actions and Programs
 - Evaluation of Projections
 - Additional Transportation Strategies

Average Daily July NOx Emissions



Average Daily July NOx Emissions



Compendium of State Actions & Programs

- OTC Actions
- State Actions
 - Vehicle Emission Standards
 - Fuels
 - Inspection & Maintenance
 - Limit Idling of Vehicles and Equipment
 - Ports/Goods Movement
 - Construction Strategies
 - Reducing VMT
 - Other Actions

OTC Past Success

The states in the OTC have a long history of:

- Developing strategies to reduce emissions from mobile sources
- Calling for federal action to reduce emissions when states are preempted from doing so by the Clean Air Act and/or where federal action is appropriate

OTC History of Federal Recommendations

Action	Date
Resolution on Enhanced Vehicle Inspections and Maintenance	Jul. 16, 1991
Resolution on Reformulated Gasoline Throughout the OTR	Oct. 29, 1991
Resolution on Expedited Guidance for Enhanced Vehicle Inspections and Maintenance	Mar. 10, 1992
Resolution on Assisting Motor Vehicle Service Technicians in Performing Proper Emission Control Maintenance in Support of Enhanced I/M Programs	Jan. 8, 1993
Resolution Supporting EPA in its Development of Regulations Controlling Emissions of Ozone Precursors from Nonroad Engines	Jan. 8, 1993
Recommendation to EPA on OTC LEV Program	Sep. 27, 1994
Resolution Requesting EPA to Accelerate Regulations Controlling Emissions of Ozone Precursors from Nonroad Engines	Feb. 1, 1994
Resolution Supporting the EPA's Efforts to Control Emissions from Diesel Engines	Jun. 13, 1995
Resolution Supporting the Concept of a 49-State Clean Car and the Right of States to Choose to Implement Additional Motor Vehicle Emission Control Programs	Feb. 28, 1995
Resolution Calling on EPA to Establish Standards for Continued Pollution Reduction from Motor Vehicles After the National LEV Program	May 22, 1998
Resolution Regarding EPA's Proposed Vehicle Emission and Fuel Sulfur Standards	Jun. 16, 1999
Resolution Regarding Interstate Cooperation on the Testing of Diesel Trucks and Buses	Jun. 16, 1999
Resolution Supporting the U.S. EPA's Proposed Diesel Engine and Fuel Rule	Jun. 1, 2000
Statement of Principals Regarding Emissions From Airports and Aviation Activities	Jul. 24, 2001
Resolution Regarding Emissions from Airports and Aviation Activities	Jul. 9, 2004
Statement Calling on the EPA to Update its Policy on Motor Vehicle Aftermarket Converters	Jun. 10, 2009
Statement Calling to Establish Tier 3 Fuel & Emissions Standards	Nov. 10, 2010
Comments on the Retention of NOx Emission Standards in Emission Control Areas	Jan. 31, 2014

State Mobile Source Control Programs

On the Books / On the Way (OTW)

Vehicle Emission Standards															
	Passenger Cars and Light Trucks	CT	DC	DE	MA	MD	ME	NH	NJ	NY	PA	RI	VT	VA	
	Federal		X					X						X	
	California	X		X	X	X	X		X	X	X	X	X		
	ZEV	X			X	X	X		X	X		X			
	Heavy Duty Trucks														
	Federal	X	X	X	X	X		X		X		X	X	X	
	California				X		X		X		X				
Fuels															
	Gasoline	CT	DC	DE	MA	MD	ME	NH	NJ	NY	PA	RI	VT	VA	
	Federal									X	X		X		
	RFG	X	X	X	X	X	OTW	X	X	X	X	X		X	
	State Specific Specification						X				X				
	Diesel														
	Federal	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	State Specific Specification														
Inspection & Maintenance															
	Gasoline	CT	DC	DE	MA	MD	ME	NH	NJ	NY	PA	RI	VT	VA	
	Passenger Cars and Light Trucks	X	X	X	X	X		X	X	X	X	X	X	X	
	Medium Duty	X	X		X	X			X						X
	Heavy Trucks	X	X			X			X						X
	CARB Aftermarket Converters						OTW			X					
	Diesel														
	Passenger Cars and Light Trucks	X		X	X		X	X	X	X		X		X	
	Medium Duty	X			X					X			OTW		
	Heavy Trucks	X			X	X			X	X			OTW		

State Mobile Source Control Programs On the Books / On the Way (OTW)

Limit Idling of Vehicles and Equipment		CT	DC	DE	MA	MD	ME	NH	NJ	NY	PA	RI	VT	VA
	Onroad	X	X	X	X	X	X		X	X	X	X		X
	Sleeper Berths	X				X			X	X	X	X		
	Nonroad	X			X				X			X		
	Marine				X									
	Rail				X							X		
Ports/Goods Movement		CT	DC	DE	MA	MD	ME	NH	NJ	NY	PA	RI	VT	VA
	Ships/Harborcraft/Ferries								X	X				
	Rail								X	X				
	Cargo Handling					X			X	X				
	Trucks			X		X	X		X	X				
	Airports			X						X				
Construction Strategies		CT	DC	DE	MA	MD	ME	NH	NJ	NY	PA	RI	VT	VA
	Clean Contracting								X					
Reducing VMT		CT	DC	DE	MA	MD	ME	NH	NJ	NY	PA	RI	VT	VA
	Tolling Incentives					X								
	Transit Ridership/Rideshare	X			X	X		X	X	X	X			
	Bike Paths	X				X		X	X	X	X	X		
	Commuter Option Programs				X	X		X				X		
Onroad Vehicle Reductions		CT	DC	DE	MA	MD	ME	NH	NJ	NY	PA	RI	VT	VA
	Alternative Fuels	X				X		X		X		X		
	Advanced Technology Vehicles	X				X		X		X		X		
	Diesel Retrofit/Repower	X			X	X		X	X	X	X	X		

Success Stories

Goal: Update this source for OTC states of successful projects to reduce emissions from mobile sources

Projects involve Marine, Rail, Bus, and Truck categories

Though PM focused, some projects provide NOx benefits

- Projects with biggest NOx benefits:
 - Tugboat repowering,
 - Locomotive repowering and Idling reduction
 - Vehicle Idling

Success Stories: Background

Funding Sources:

- DERA (Diesel Emissions Reduction Act)
- ARRA (American Recovery & Reinvestment Act)

Voluntary or Required Actions

- General Conformity
- VALE (Voluntary Airport Low Emissions)
- Port Plans

Port Strategies

Examining Successful Strategies at Ports in the OTR in reducing NO_x

Focus on:

- Electrification
- Vessel Speed Reduction
- Vehicle/Engine Replacements

Stay Tuned

- Diesel Inspection/Maintenance SIP Credit
 - Evaluating EPA Policy / Guidance on Voluntary Credit
- Emission Reduction Strategies at Ports
- Evaluation of Vehicle Miles of Travel Projections
- Exploring the EPA SmartWay Program

Questions?