# Status of Base Year 2017 Emissions Inventory

(2015 Ozone NAAQS)

### **Status of Base Year 2017 Emissions Inventory**

EPA designated the Washington region on August 3, 2018 as a marginal nonattainment area for the 2015 ozone NAAQS. The final implementation rule published on December 6, 2018 for the 2015 ozone NAAQS requires the submission of comprehensive base year emissions inventories for point, nonpoint (area), on-road, and nonroad sources.

<u>Point source</u> – Draft and final data will be available on April 1, 2019 and April 1, 2020 respectively. Final EPA version would include Mercury and HAPs emissions. Is draft emission data submitted by states on April 1, 2019 not good enough for BY submittal since it would contain VOC, NOx, and CO emissions required for BY submittal?

### Virginia ok with draft data. DC & MD – Need to decide

Non-Point source – Draft and final data will be available on November 1, 2019 and April 1, 2020 respectively. Final EPA version is expected to include QA/QCied non-point data (bin 3), which need reconciliation with point source data. Draft version of bin 3 data will be supplied by states by January 1, 2020. Is draft emission data submitted by states and published by EPA on November 1, 2019 not good enough for BY submittal? Looking at Table A (preliminary schedule for base year emissions inventory development and submittal), we can send the pre-hearing BY document to EPA by January 2020 only if we could use the draft data. Extending the submittal in April will make it extremely difficult to comply with the BY submittal deadline of August 3, 2020.

#### Virginia ok with draft data. DC & MD – Need to decide

<u>On-road and nonroad source emissions inventories</u> – The most current MOVES2014b model version is being used to develop emissions inventories for both on-road and nonroad sources.

States provided inputs – Fuel, I/M programs, and control programs

MWAQC staff – Developed 2017 meteorology using July 2017 data from Dulles airport applicable to both on-road and nonroad inventories. Staff QA/QCied fuel, I/M, and control program inputs provided by states Developed MOVES2014b inputs files for all jurisdictions for the ozone season day analysis for VOC, NOx, and CO emissions for nonroad sources for the base year 2017. MOVES2014b nonroad runs will be performed in June this year. TPB staff developed most of the MOVES2014b inputs for the 2017 ozone season run. They already performed Travel Demand Model runs to develop a few inputs for MOVES2014b runs. These runs will be undertaken after EPA has provided its response to the question on the VIN data.

Event data – These are optional for NEI but required by CAA for planning inventory so required to be included for the BY submittal. Final EPA NEI2017 data would be available by September 15, 2019 so could be included in BY EI. These emissions were included in previous SIPs as forest fire, prescribed fire, and open burning.

Have states submitted or are planning to submit emissions from these categories for the NEI2017 effort?

# Base year inventory document

Started working on the document, which will have an ADA compliant format as required by Virginia. Virginia sent a few documents to develop the BY document in ADA compliant format. It will follow the same format as the previously submitted base year 2011 inventory for the 2008 ozone NAAQS.

## NEI2017 Schedule

Emission Source	NEW State	NEW EPA date	OLD State	OLD EPA date			
Sector	date		date				
Point	4/1/2019	TBD (4/1/2020 – Final	1/15/2019	7/1/2019			
		EIS)					
Non-Point (Area)	7/15/2019 -	11/1/2019 - Draft EIS	3/31/2019	8/31/2019 - Draft EIS			
	1/1/2020	4/1/2020 - Final EIS		2/28/2020 - Final EIS			
		(would likely only include					
		bin 3 emissions QA)					
		4/30/2020 – NEI2017					
		Technical Support					
		Document					
On-Road/Nonroad	1/15/2019	9/15/2019	1/15/2019	9/15/2019			
Event (Wild &	9/1/2018	9/15/2019	9/1/2018	9/15/2019			
Prescribed Fires) -							
Optional							

			20	19							7	2020			
					May-	<i>r</i> -									
	Jan	Feb	Mar	Apr	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
Point Source		States annua emissi ozone day (O	l 2017 ons to seasor	NEI											
Area/MAR Source						annu emis ozon (OSD usin	es conv ual 201 sions e seas ) emis g seas actors	to on day sions onal	to EPA for their	TAC recommends MWAQC for PC&H (Feb 12); MWAQC approves for PC&H (Feb 27)		PC&H Period ends	TAC approves response to comments (May 7); MWAQC approves the final document (May 22)		MWAQC approves the final document if process is delayed (July 24)
MOVES Model Nonroad Source	·	MWAC develo model invent	ps MC nonro	VES											
MOVES Model On-road Source	develop & provide MOVES	TPB sta develo model invent MWAC	ps MC on-roa ories,	ad											