

## Status of Base Year 2017 Emissions Inventory

(2015 Ozone NAAQS)

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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.

Point source – 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. States agreed to use draft emission data submitted to EPA for BY submittal since it would contain VOC, NO<sub>x</sub>, and CO emissions required for BY submittal.

*Inventory Status – VA and DC provided point source data; MD - Awaited*

Non-Point & MAR sources – EPA’s draft and final data will be available on November 1, 2019 and April 1, 2020 respectively. Draft version of bin 3 data will be supplied by states by January 1, 2020. Final EPA version is expected to include QA/QCied non-point data (bin 3), which need reconciliation with point source data.

*Inventory Status – States agreed to use draft emission data submitted to EPA by November 1, 2019 for BY submittal.*

Nonroad model source emissions inventories – The most current MOVES2014b model version was used to develop emissions inventories for nonroad model sources.

*Inventory Status – MWAQC staff developed nonroad emissions (except for MAR) for all jurisdictions for the ozone season day analysis for VOC, NO<sub>x</sub>, and CO emissions for nonroad sources for the base year 2017.*

On-road source emissions inventories – The most current MOVES2014b model version was used to develop emissions inventories for on-road sources.

*Inventory Status – TPB staff is currently developing emissions for all jurisdictions for the ozone season day analysis for VOC, NO<sub>x</sub>, and CO emissions for on-road sources for the base year 2017. This is expected to be completed by September.*

Event data – These are required to be included for the BY submittal. Final EPA NEI2017 data for this source category would be available by September 15, 2019 and would then be included in BY EI. These emissions were included in previous SIPs as forest fire, prescribed fire, and open burning.

### Base year inventory document

MWAQC staff started working on the document, which will have an ADA compliant format as required by Virginia. It will follow the same format as the previously submitted base year 2011 inventory for the 2008 ozone NAAQS.

**NEI2017 Schedule**

Emission Source Sector	State date	EPA date for EIS Publication
Point	4/1/2019	TBD (4/1/2020 – Final EIS)
Non-Point (Area)	6/30/2019	11/1/2019 - Draft EIS (would include draft bin 3 emissions) 4/1/2020 - 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
Event (Wild & Prescribed Fires) - Optional	9/1/2018	9/15/2019

**Draft Timeline - Base Year 2017 Emissions Inventory (2015 Ozone Standard)**

Source	2019				2020						
	Jan-Apr	May-Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
Point Source	States develop ozone season day (OSD) emissions for 2017 (or convert annual NEI 2017 emissions to OSD emissions where needed) and provide data to MWAQC staff	MWAQC staff includes emissions into BY document									
Area/MAR Source	States develop OSD emissions for 2017 (or convert annual NEI 2017 emissions to OSD emissions where needed) and provide data to MWAQC staff	MWAQC staff includes emissions into BY document									
MOVES Model Nonroad Source	States develop and provide inputs to MWAQC staff	MWAQC staff develops MOVES2014b model nonroad inventories									
MOVES Model On-road Source	States develop and provide inputs to MWAQC staff	TPB staff develops MOVES2014b model on-road inventories, MWAQC staff reviews and									
Documentation & Public Hearing & Comment	States provide methodologies for point, non-point, and MAR source emissions. TPB staff develops documentation for MOVES2014b on-road emissions. MWAQC staff develops documentation for MOVES2014b nonroad emissions.	States review BY document	Send pre-hearing Emiss Inv document to EPA for comments	TAC recommends MWAQC for PH&C (Feb 12); MWAQC approves for PH&C (Feb 27)	States post notices for PH&C	PH&C 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)			