

# EIAG Updates for MJOs

Spring 2022

# 2016 Modeling Platform

- The 2016v2 platform emissions were released publicly on September 21, 2021
- Comments on 2016v2 had been requested by December 17, 2021
- Comments were provided on the 2016v2 platform by 23 states, WRAP, and the Midwest Ozone Group
  - States that commented: AR, CO, CT, DE, FL, GA, IL, ID, IA, KS, NJ, MA, MI, MN, MO, NC, ND, OH, OK, TN, TX, VA, WI
  - Sectors that received the most comments were non-EGU point sources and EGUs
  - Four to six agencies commented on airports, commercial marine vessels, oil and gas sources, solvents, and other nonpoint sources
  - One or two agencies commented on nonroad and rail sources and residential wood combustion
- These emissions were used for AQ modeling to support the proposed interstate transport "good neighbor" FIP
- We expect to receive additional comments from various stakeholders on these emissions through comments on the proposed rule

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# Types of Comments on 2016v2 Platform and Next Steps

- Types of comments received
  - Adjustments to projection factors, closures, consent decrees, stack parameters, and control efficiencies
  - Apportionment of commercial marine vessel emissions to counties
  - Onroad input data sets
  - Characterization of solvents
  - Suggestions to use more 2017 NEI data for point and nonpoint sources
  - Comments on future year EGU projections
- Comments have been reviewed and inventories are being updated
  - OAQPS is starting with CMV, solvents, onroad and other mobile sources
  - OAP is reviewing EGU comments

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# Air Toxics Data Updates (2017-2019)

- 2017 Air Toxics Data Update released via AirToxScreen and EJScreen
  - <https://www.epa.gov/AirToxScreen>
- 2018 AirToxScreen planned release summer 2022
- 2019 AirToxScreen planned release end of 2022/early 2023
  - Will be included in 2023 EJScreen update
- 2020 point source HAP review by SLTs
  - Will be part of main NEI data review before the first public version of 2020 point sources are released on website
  - 2020 HAP review scheduled for late summer 2022
  - Same plan for 2021 and beyond

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# 2020 National Emissions Inventory Plans

- **Ongoing virtual trainings** (POC: Snyder.Jennifer@epa.gov)
  - See <https://www.epa.gov/air-emissions-inventories/air-emissions-inventory-training>
- **Now through 2022**
  - Compilation and quality assurance of Point, Onroad/Nonroad Mobile, and Events data categories
  - State, local, tribal (SLT) collaboration on quality assurance - provides great value to the process
  - Methods and draft data review for a few nonpoint data sources (agricultural NH<sub>3</sub>, CMV, Oil and Gas)
  - Nonpoint data category compilation and QA
- **March 31, 2022:** Reporting deadline for nonpoint data category (input templates, survey, emissions)
- **April 2022:** Final feedback reports sent to Air Directors
- **May/June 2022:** Point source review for air toxics (and all pollutants) for Air Toxics Data Update
- **Fall 2022:** Releases of Point, Onroad/Nonroad Mobile, and Event data categories as they are completed
- **March 2023:** Full public release including documentation, summaries, and query tools

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# CAERS Update

- CAERS (Combined Air Emissions Reporting System):
  - Participating State/Local/Tribal (SLT) agencies & inventory year: GA (2019), DC, & Pima AZ (2020), RI (2021), AZ, MT, MN (2022-2023)
  - Several more SLTs have requested test accounts, some seeking management approval to adopt CAERS
  - CAERS V3 released February 2022 includes new customizations for SLTs
  - Reporting for inventory year 2022 started February 2nd
- We are recruiting SLTs on an ongoing basis:
  - SLTs who want to adopt CAERS “as-is” can start onboarding any time
  - EPA is exploring sharing code with SLTs so they can develop their module
  - Interested SLTs who aren’t on our Product Design Team (PDT) can join any time to provide input towards the continued development of CAERS

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# Air Emissions Reporting Rule

- AERR updates under consideration for the 2023 inventory reporting year:
  - Updating the nonpoint emissions requirements to use current best practices and meet transparency and quality assurance goals
  - Ensure that AERR requirements are consistent with the latest emissions documentation available to data reporting agencies
  - Considering emissions reporting directly from permitted facilities in Indian Country when an Indian tribe is not required to report emissions data
  - An approach to acknowledge and incorporate CAERS in some cases
- AERR updates under consideration for later inventory years:
  - Improving air toxics emissions data
  - Improving fires emissions data for prescribed fires
  - Improving emissions from intermittent sources (e.g., backup generators)
- Two listening sessions with state/local/tribal agencies were held in April
  - Additional input has also been received by email and can be sent to the POCs listed below

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