

Status of PM_{2.5} Redesignation & Maintenance Plan

(Washington DC-MD-VA PM_{2.5} Nonattainment Area)

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Status of Emissions Inventories - 1

- **Milestone Years**

- 2002, 2007, 2017, 2025

- **Inventories needed**

- Point Source (EGU & NEGU)
- Area Source
- Nonroad Source
- Onroad Source

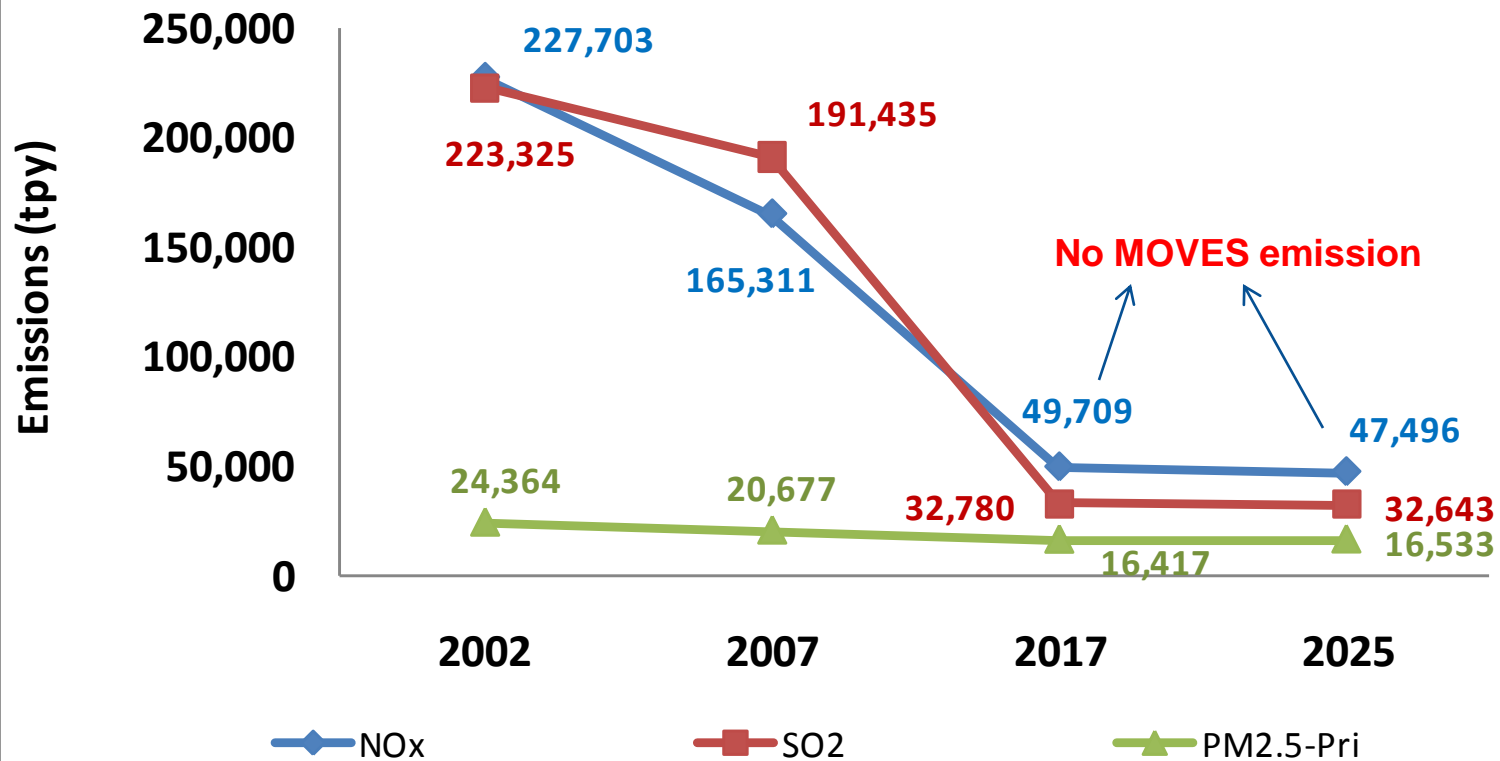
- **Inventory sources**

- 2002: MWCOG
- 2007/17/25: MARAMA (as of January 5, 2012) except for MOVES emissions & 2025 NMIM emission

Status of Emissions Inventories – 2

Source	2002	2007	2017	2025
Point	Final	Final	Final	Final
Area	Draft	Draft Final	Draft Final	Draft Final
Nonroad (NMIM+MAR)	Final	Draft	Draft	Draft
Onroad	Draft Final	Draft Final		

Emissions Trend (Washington, DC-MD-VA PM2.5 NAA)



**2017 & 2025 MOVES emissions need to be developed and included in above graph.
2002 Area source emissions need to be revised with application of "Transport factor".**

Updates - PM_{2.5} R/MP Document

(Since TAC - Dec 6, 2011)

- **Third trigger added to the list of triggers identified earlier for contingency purposes**
 1. Exceedance of 1-year mean PM_{2.5} concentration of 15.0 ug/m³
 2. Exceedance of 3-year mean PM_{2.5} concentration of 15.0 ug/m³ (Design value for 1997 annual PM_{2.5} standard)
 3. **Exceedance of attainment year emissions inventory**
(See TAC Item #2 Emission Contingency Trigger.docx)

EPA R₃ PM_{2.5} R/MP requirement outline document – “Specific indicators and action levels that will trigger the contingency provisions (EPA policy suggests States identify an “action level” of emissions as an indicator. For example, this could be a percentage increase over the attainment year tons/summer weekday metric).”
- **Other changes**
 - Revised MARAMA emissions from a few area source categories
 - 2002 & 2007 MOVES emissions added
 - New PM_{2.5} NAA maps with monitors
 - Shutdown of Pepco Benning & Buzzard facilities included in the document

Conclusion

- **NO_x, SO₂, & PM_{2.5}-Pri emissions**
 - **2002 – 2007** ↓
- **Downward emissions trend**
 - **2002 – 2007: Satisfies the criterion for Redesignation Request**
 - **2007 – 2017 & 2007 – 2025: MOVES emissions need to be added and a downward trend established to demonstrate continued maintenance of 1997 annual PM_{2.5} standard (15 ug/m³)**
- **A number of inventories are still draft and MOVES emissions for 2017 and 2025 need to be developed to complete the picture.**