Status of

PM2.5 Redesignation & Maintenance Plan

(Washington DC-MD-VA PM2.5 Nonattainment Area)

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Status of Redesignation Request

- Evidence of NAAQS Compliance
 - Design value data and trend graphs available
- Demonstrate NAAQS compliance due to emissions reduction from permanent & enforceable control measures between 2002 & 2007
 - A list of control measures adopted in the region along with emissions benefits provided by them between 2002-2007 being compiled

Status of Maintenance Plan

- Demonstrate continued maintenance of NAAQS
 - Emissions reduction Base Year to Maintenance Year
- Emissions inventories needed for
 - Base Year (2007)
 - Interim Year (2017)
 - Maintenance Year (2025)
 - Draft 2007/17/25 inventories complete except for MOVES emissions
- Contingency measures needed in case of NAAQS violation after redesignation
 - Contingency measure work-group being set up

Status of Emissions Inventories - 1

Milestone Years

2002, 2007, 2017, 2025

Inventories needed

- Point Source (EGU & NEGU)
 - EGU = Electric Generating Unit, NEGU = Non Electric Generating Unit
- Area Source (Open burning, residential wood burning, dust (unpaved road), etc.)
- Nonroad Source (Lawn mowers, agricultural & construction equipments, aircraft, locomotive, etc.)
- Onroad Source (Motor vehicles)

Status of Emissions Inventories – 2

Source	2002	2007	2017	2025
Point	Final	Final	Draft	Draft
Area	Draft	Draft	Draft	Draft
Nonroad	NMIM – Final Nonroad sources - Draft	Final	Final	Final
Onroad *				

^{*} Onroad emissions (MOVES based) are scheduled to be developed by February 2012.

Summary of Draft Inventories

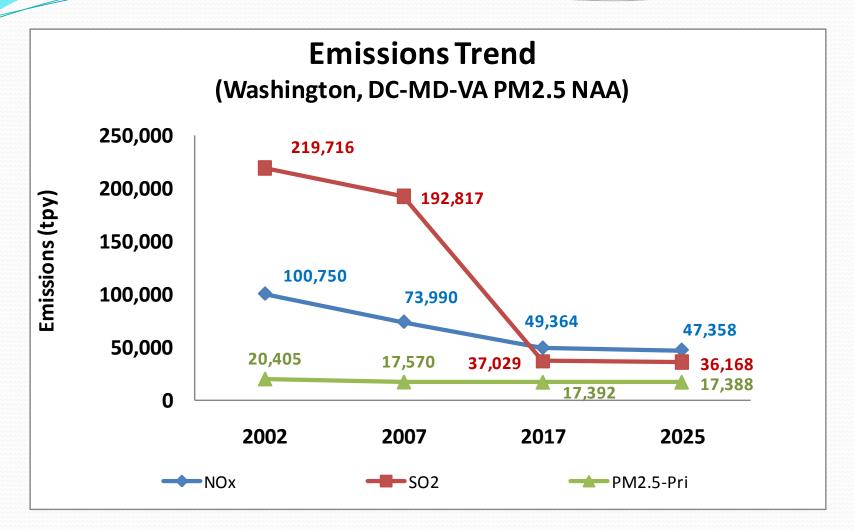
Annual Inventory (tpy) - Total (All Sources)

(With Transport Factor applied)

Jutrisdiction	NOx			SO2			PM2.5					
	2002	2007	2017	2025	2002	2007	2017	2025	2002	2007	2017	2025
W W												
DC	6,540.8	5,535.1	4,043.7	3,472.7	3,307.5	2,074.8	1,662.2	555.5	919.9	710.5	604.7	552.7
MD	60,202.4	43,983.5	24,507.0	23,389.5	167,990.2	178,508.0	24,084.7	24,162.8	11,962.3	10,337.5	10,244.6	10,262.1
VA	34,006.9	24,471.7	20,813.4	20,495.7	48,418.0	12,234.7	11,282.2	11,449.9	7,523.1	6,521.8	6,542.9	6,573.6
Washignton,												
DC-MD-VA												
PM2.5 NAA	100,750.1	73,990.4	49,364.1	47,357.9	219,715.8	192,817.5	37,029.1	36,168.2	20,405.3	17,569.9	17,392.2	17,388.5

MOVES emissions are not included.

2002 Area source emissions need to be revised with application of "Transport Factor".



MOVES emissions are not included. 2002 Area source emissions need to be revised with application of "Transport factor".

Conclusion

- NOx, SO2, & PM2.5-Pri emissions
 - 2002 2007
 - 2007 2017
 - 2007 2025
- Downward emissions trend
 - 2002 2007: Satisfies the criterion for Redesignation Request
 - 2007 2017 & 2007 2025: Continued maintenance of 1997 annual PM2.5 standard (15 ug/m3)
- A number of inventories are still draft.
- Onroad Mobile Source MOVES emissions need to be developed to complete the picture.
- Contingency measures to be decided