



BY2011 Emissions Inventory (Draft)

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MWAQC
May 16, 2014

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Introduction

- **Washington region**
 - Nonattainment Area for current ozone standard (75 ppb)
 - Levels of nonattainment (Marginal, Moderate, Serious, Extreme) - depend on ozone levels
 - Washington region - Marginal Ozone NAA
 - Attainment deadline – December 31, 2015
 - Requirements for Washington Marginal Ozone NAA
 - Submission of a comprehensive Base Year emissions inventory to EPA
 - Base Year - 2011
 - Submission deadline – July 20, 2014

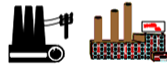
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Overview Base Year 2011 Emissions Inventory

▪ Emission Sources

- Point



- Area



- Nonroad



- Onroad



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Emissions Inventory Emission Period & Pollutants

▪ Emissions Period

- Annual: January – December (2011)
- Avg Ozone Season Day: Avg day (May-September)

▪ Pollutants

- Annual – VOC, NOx, CO, PM2.5-Pri, SO2, NH3
- Avg Ozone Season Day – VOC, NOx, CO

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Status of BY 2011 Emissions Inventory

- **Currently going through Public Hearing/Comment process**
 - MWAQC approval for PH/C – February 26, 2014
- **Public Hearing/Comment Schedule**
 - Virginia – April 23, 2014
 - District of Columbia – May 12, 2014
 - Maryland – June 12, 2014

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Summary of Comments & Tech Corrections

- **Comments & Technical Corrections Received As of Today**

Virginia

Technical correction requested by VDEQ for **commuter rail** emissions (nonroad source)

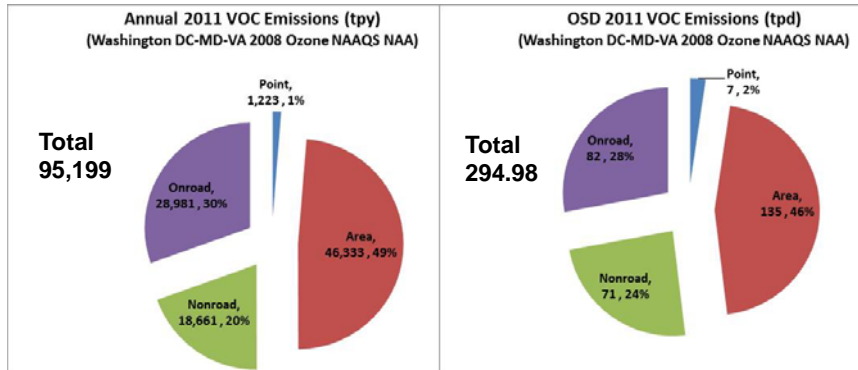
Pollutant	Old Annual Emission (TPY)	Revised Annual Emission (TPY)	Difference (TPY, %)	Old OSD Emission (TPD)	Revised OSD Emission (TPD)	Difference (TPD, %)
CO	9110.56	8843.23	267.33 (2.9%)	27.31	26.58	0.73 (2.7%)
NOx	9580.55	6592.20	2988.35 (31.2%)	28.35	20.17	8.18 (28.2%)
PM2.5	235.77	153.42	82.35 (34.9%)			
SO2	1121.21	911.97	209.24 (18.7%)			
VOC	947.22	817.65	129.57 (13.7%)	2.76	2.41	0.35 (12.7%)

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Emission by Source

VOC

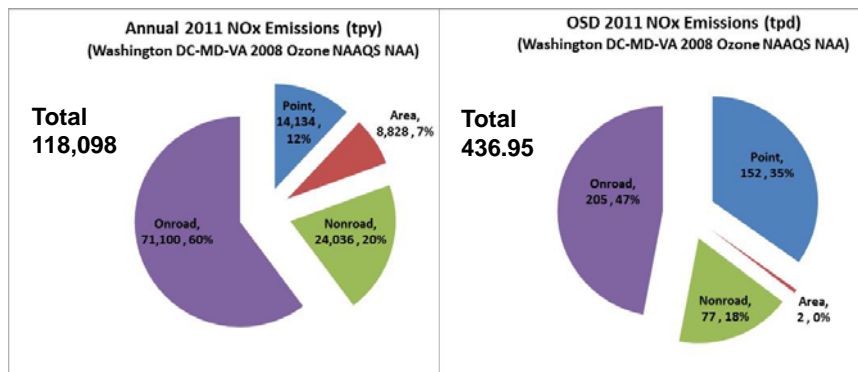


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Emission by Source

NOx



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Next Steps

- BY2011 Emissions Inventory document –
 - Revision to include all comments and technical corrections received by June 12, 2014
- MWAQC preliminary approval – May 21, 2014
- MWAQC-TAC approval – July 8, 2014
- MWAQC approval (thro' MWAQC-Exec Committee) – July 9, 2014
- State air agencies submit BY2011 inventory to EPA by July 20

* MWCOG SIP Web-Site: <https://www.mwcog.org/environment/air/sip/default.asp>

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