

National Capital Region Transportation Planning Board

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February 20, 2013

MEMORANDUM

TO: Transportation Planning Board

FROM: Jane A. Posey
Senior Transportation Engineer

SUBJECT: Amendment to the December 19, 2012 Air Quality Conformity Update of the 2012 CLRP & FY2013-2018 TIP

On December 19, 2012 the Transportation Planning Board (TPB) approved an updated air quality conformity analysis of the 2012 Constrained Long Range Plan and FY2013-2018 Transportation Improvement Program (TIP). This update was performed to satisfy requirements associated with the Environmental Protection Agency's (EPA's) 2008 National Ambient Air Quality Standards (NAAQS). After the TPB approves any conformity analysis, the documents are forwarded to the United States Department of Transportation (USDOT) for final approval.

In 2007 the Metropolitan Washington Air Quality Committee (MWAQC) submitted mobile budgets to EPA for approval. These were for the 1997 8-Hour Ozone State Implementation Plan (SIP). This SIP included 2008 Reasonable Further Progress (RFP) budgets, 2009 Attainment budgets, and a 2010 Contingency budget. In 2009 EPA found adequate the 2008 RFP budgets for use in conformity analyses, but did not act on the other mobile budgets included in the SIP.

On February 7, 2013 EPA found adequate the 2009 Attainment and 2010 Contingency budgets, requiring their immediate use in air quality conformity analyses. This approval occurred prior to USDOT's approval of the December 19, 2012 air quality conformity analysis of the 2012 CLRP and FY2013-2018 TIP. Consequently the analysis must be amended to include the newly approved mobile budgets.

In order to amend the conformity analysis, staff modified the relevant exhibits from the conformity report to show that mobile emissions in the 2012 CLRP and FY2013-2018 TIP are below the newly approved budgets. The budgets are 66.5 tons/day of Volatile Organic Compounds (VOC) and 146.1 tons/day of Nitrogen Oxides (NOx) for the 2009 Attainment Plan and 144.3 tons/day of NOx for the 2010 Contingency Plan. Exhibit 16 shows that mobile source VOC and NOx emissions for each forecast year are below the mobile budgets. Exhibits 20 and 21 present the same information in a graphical format. The updated exhibits are attached.

This information was released for a required 30-day public comment period on February 14, 2013. The comment period will end on March 16, 2013. The TPB will be asked to approve the amended conformity analysis of the 2012 CLRP and FY2013-2018 TIP at its March 20th meeting.

EXHIBIT 16

AIR QUALITY CONFORMITY UPDATE AMENDMENT

Summary Table - 8-Hour Ozone Nonattainment Area

**Mobile Source Emissions Inventories
for 2012 CLRP and the FY 2013-2018 TIP
(Tons/Day)**

	2002		2007		2015		2017		2020		2030		2040	
	VOC	NOx	VOC	NOx	VOC	NOx	VOC	NOx	VOC	NOx	VOC	NOx	VOC	NOx
I Network														
Start	18.66	9.46	10.47	5.66	6.76	3.98	6.13	3.20	5.49	2.46	5.10	1.89	5.28	1.94
Running	54.72	219.02	33.01	142.85	23.37	73.34	21.88	57.24	20.47	41.88	21.19	29.33	22.90	29.71
Soak	8.53	-----	7.80	-----	6.16	-----	5.53	-----	4.71	-----	3.86	-----	4.07	-----
II Off-Network														
Diurnal	2.36	-----	2.05	-----	1.37	-----	1.21	-----	1.07	-----	0.71	-----	0.80	-----
Resting Loss	11.93	-----	9.43	-----	6.75	-----	5.91	-----	4.52	-----	3.02	-----	3.41	-----
Local Roads	9.91	11.39	5.96	7.89	4.06	4.47	3.78	3.64	3.52	2.87	3.59	2.40	3.79	2.50
School Buses	0.42	5.97	0.43	5.64	0.27	3.10	0.25	2.61	0.22	1.92	0.17	0.63	0.16	0.27
Transit Buses	0.38	6.51	0.25	5.36	0.17	2.46	0.14	1.85	0.13	1.28	0.13	0.44	0.13	0.28
Auto Access	1.29	1.59	0.77	0.94	0.45	0.58	0.52	0.49	0.47	0.41	0.43	0.35	0.45	0.37
Total	108.20	253.93	70.17	168.35	49.45	87.93	45.34	69.02	40.60	50.82	38.20	35.04	40.99	35.05

Mobile Emissions Budgets:	66.50	144.30	66.50	144.30	66.50	144.30	66.50	144.30	66.50	144.30	66.50	144.30	66.50	144.30
Budget Adherence Margin:	17.05	56.37	21.16	75.28	25.90	93.48	28.30	109.26	25.51	109.25				

EXHIBIT 20

AIR QUALITY CONFORMITY UPDATE **AMENDMENT**

Mobile Source VOC Emissions for the 8-Hour Ozone Nonattainment Area 2012 CLRP & FY 2013-2018 TIP

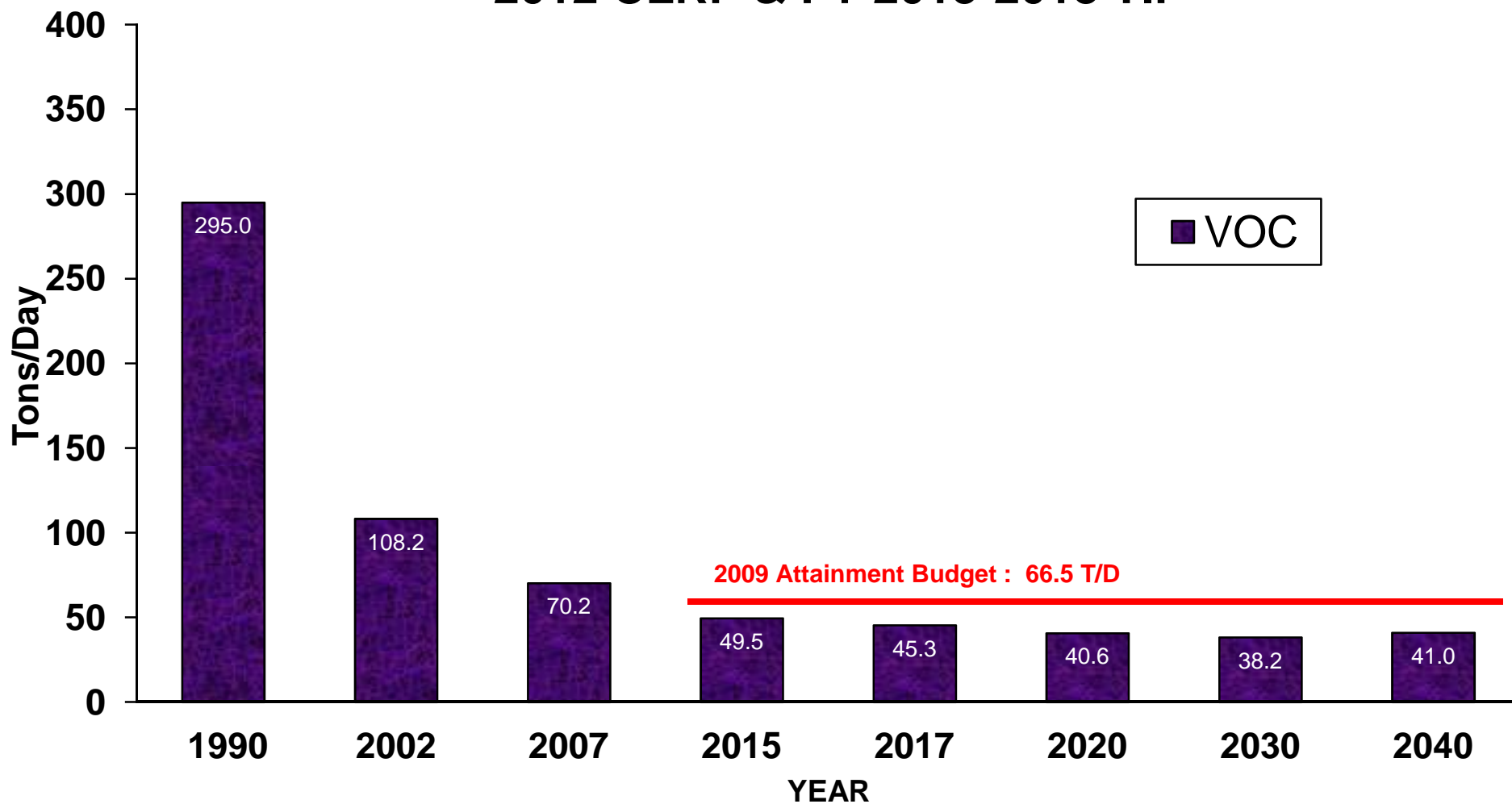


EXHIBIT 21

AIR QUALITY CONFORMITY UPDATE AMENDMENT

Mobile Source NOx Emissions for the 8-Hour Ozone Nonattainment Area 2012 CLRP & FY2013-2018 TIP

