

National Capital Region Transportation Planning Board

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MEMORANDUM

November 1, 2007

To: Transportation Planning Board Technical Committee

From: Michael J. Clifford
Systems Planning Applications Director

Subject: Draft Mobile Source Emissions Inventories for the PM2.5 SIP

The attached two charts summarize draft mobile source emissions inventory results prepared by TPB staff and transmitted as input to the PM2.5 state implementation plan (SIP) currently under preparation by MWAQC staff and the state air management agencies.

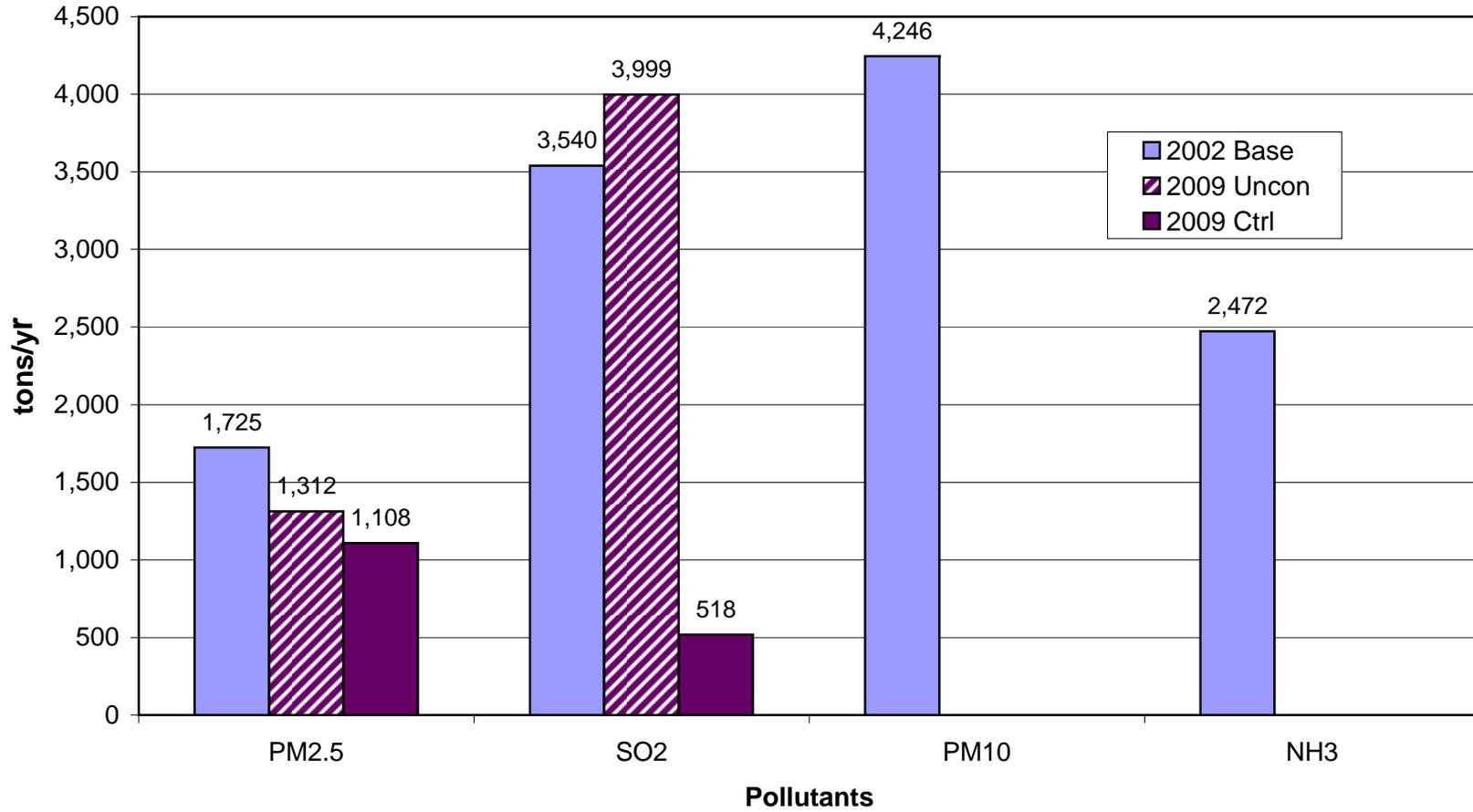
The data are arrayed on two charts since the scale of yearly total emissions differs by pollutant; specifically, Attachment 1 shows those with values up to 4,500 tons per year, whereas, Attachment 2 shows those with values extending to 100,000 tons per year. Each chart shows: (1) base year 2002 emissions, (2) forecast year 2009 'uncontrolled' emissions, and (3) forecast year 2009 'controlled' emissions. Base year pollutants include direct PM2.5, direct PM10, SO2, NH3, precursor NOx, and precursor VOC; 2009 forecast year pollutants include only direct PM2.5, SO2, and precursor NOx.

COG / DEP staff prepared the emissions factors for each pollutant; TPB staff prepared the travel demand forecasts, based upon the 2006 CLRP and Round 7.0a Cooperative Forecasts as these represent the latest adopted network and land activity assumptions, and computed the emissions levels.

These data are being used as the mobile source emissions estimates for PM2.5 SIP planning purposes; the 2009 values for direct PM2.5 and for precursor NOx will form the basis for setting future mobile source emissions budgets as a part of that SIP.

Attachments (2)

Attachment 1
Mobile Source PM2.5 SIP -Direct Emissions
(PM2.5, SO2, PM10 & NH3)



Attachment 2
Mobile Source PM2.5 SIP - Precursor Emissions
(NOx & VOC)

