

DRAFT

**Revised Carbon Monoxide Maintenance Plan and
Revised 1990 Carbon Monoxide Base Year Emissions Inventory
for the
WASHINGTON DC-MD-VA
NONATTAINMENT AREA**

Prepared by:

Metropolitan Washington Council of Governments

for the

**District of Columbia Department of Health
Maryland Department of the Environment
and the
Virginia Department of Environmental Quality**

**on behalf of the
Metropolitan Washington Air Quality Committee**

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1.0 Executive Summary

The federal Clean Air Act, 42 U.S.C. §7401 *et seq.* as amended by the Clean Air Act Amendments of 1990 (CAAA), requires all areas of the nation to attain and maintain compliance with the federal ambient air quality standards, including the 8-hour carbon monoxide standard.

The Metropolitan Washington DC-MD-VA region attained the federal carbon monoxide standard in the 1990s and, in accordance with CAAA Section 175A(a), submitted a CO maintenance plan covering the period 1996-2007. EPA approved this maintenance plan effective March 16, 1996. In accordance with Section 175A(b), the region is required to submit a second maintenance plan within eight years of its redesignation as an attainment area. This revised maintenance plan must provide for maintenance of the carbon monoxide standard for 20 years after attainment. This maintenance plan is submitted in fulfillment of the Section 175A(b) requirement, and provides for attainment of the CO standard in the Washington DC-MD-VA attainment area through March 16, 2016.

This maintenance plan demonstrates that the Washington DC-MD-VA nonattainment area is in continued attainment with the 8-hour carbon monoxide standard. Monitoring data for the area show that CO levels have not violated the NAAQS since 1988. Since 1989, the region's design value has consistently decreased. At 3.7 ppm, it is currently well below the standard of 9 ppm. Reductions in CO emissions are permanent and enforceable. As required by EPA, this maintenance plan uses MOBILE6, instead of the previously used MOBILE5b, to calculate the mobile emissions inventory. The relative rate of reduction analysis shows that mobile emission reductions under MOBILE6 are significantly greater than under MOBILE5b. Emissions projections to the year 2016 are consistent with ambient CO levels below the NAAQS.