

**METROPOLITAN WASHINGTON AIR QUALITY COMMITTEE**  
**777 North Capitol Street, N.E.**  
**Washington, D.C. 20002**

**Air Quality Planning**  
**Work Program and Budget**

**January 1, 2005 through June 30, 2006**

**Prepared by**

**Metropolitan Washington Council of Governments**  
**Department of Environmental Programs**  
**Air Quality Section**

**Adopted April 27, 2005**

## **I. Background**

This document presents the work program for the Metropolitan Washington Air Quality Committee (MWAQC) to be carried out between January 1, 2005 and June 30, 2006, eighteen months. It describes the work to be carried out by the staff of the Metropolitan Washington Council of Governments (COG) that is directly funded in this work program, as well as the in-kind contributions of the state air quality management agencies from the District of Columbia, Maryland, and Virginia. The tasks outlined in this work program are designed to ensure a regional approach to meeting the federal health standards for ground-level ozone in the Washington metropolitan region. Through the activities described for the coming year, several important steps will be taken towards improving the air quality of the region while simultaneously helping meet transportation needs in the Washington region consistent with air quality goals.

### **Certification of the Metropolitan Washington Air Quality Committee**

The authority of MWAQC is derived from the certifications made by the Governors of Maryland and Virginia and the Mayor of the District of Columbia pursuant to Title I, "Provisions for Attainment and Maintenance of National Ambient Air Quality Standards," of the Clean Air Act Amendments of 1990 (section 174, 42 U.S. Code 7504).

### **Mission of Metropolitan Washington Air Quality Committee**

The primary responsibilities of MWAQC are development of regional plans for meeting the federal health standards for the criteria pollutants for which the Washington, DC-MD-VA region has been designated nonattainment. The air quality plans developed by MWAQC are submitted to the States for incorporation in the State Implementation Plan for submittal to EPA.

### **Air Quality Classifications of the Washington Metropolitan Region**

**One-Hour Ozone Standard:** Under the Clean Air Act Amendments, the metropolitan Washington region was classified as a serious non-attainment area for ground-level ozone. The region was provided a deadline of 1999 for meeting the federal health standard. In January 2001 EPA approved the region's attainment demonstration, post-1996 rate-of-progress plan and attainment date extension to November 15, 2005. In July 2002 the U.S. Circuit Court of Appeals for the District of Columbia remanded EPA's approval of the Washington region's SIP back to EPA. In January 2003 EPA reclassified the region as a severe nonattainment area. The region was required to submit a new state implementation plan adopting all the requirements for severe nonattainment areas. The plan was submitted to EPA in two stages, September 2003 and March 2004. The region has a deadline of November 15, 2005, to meet the one-hour ozone standard, but EPA proposes to revoke the one-hour ozone standard on June 15, 2005, when the 8-hour ozone standard becomes effective.<sup>1</sup>

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<sup>1</sup> Federal Register, Vol 67, no. 219, November 13, 2002, 68805-68814.

**Carbon Monoxide:** Portions of the region were also classified as non-attainment for carbon monoxide until 1995, when the regional plan prepared by MWAQC demonstrated attainment of the carbon monoxide standard and further demonstrated that the standard could be maintained for at twelve years beyond 1995. In 2004 a maintenance plan submitted to EPA demonstrated the standard will be maintained until 2016.

**Eight-Hour Ozone Standard:** EPA designated the metropolitan Washington region as moderate nonattainment for the 8-hour ozone standard in January 2004. The state implementation plan (“SIP”) adopting all the requirements for moderate nonattainment areas is due in 2007. The region has a deadline of June 15, 2010, to meet the 8-hour ozone standard.<sup>2</sup>

**PM<sub>2.5</sub> Standard (“Fine Particle”)** : EPA designated the metropolitan Washington region as nonattainment for the fine particulate standard, PM<sub>2.5</sub>, in January 2005. The state implementation plan adopting all requirements for the fine particulate standard is due in 2010.<sup>3</sup> The proposed workplan for 2005-2006 does not include planning tasks to meet attainment of the fine particle standard. The geographic scope of the Washington region PM fine nonattainment area does not include Stafford County, VA or Calvert County, MD, which were included in the 1-hour ozone standard nonattainment area designation.

### **Membership on MWAQC**

Membership on MWAQC consists of representatives from twenty-one member local governments within the non-attainment area, as well as the Directors or their designees from the state air quality management agencies and state transportation agencies, representatives of state legislatures, and the Chair of the National Capital Region Transportation Planning Board (TPB). MWAQC’s bylaws allow for the expansion or contraction of MWAQC membership, depending on the geographic scope of the designated nonattainment area. Stafford County, Virginia, participates on MWAQC for the 1-hour ozone standard, but is not part of the 8-hour ozone nonattainment area.

### **Organizational Structure of MWAQC**

MWAQC adopted by-laws which established a position of Chair and three Vice-Chairs, and it has several standing subcommittees or special supporting committees including an Executive Committee, a Technical Advisory Committee, and a Public Advisory Committee. The Technical Advisory Committee has several standing subcommittees: Conformity, Attainment Modeling, Forecasting, and Emissions Inventory.

Current officers of MWAQC are the Honorable Dana Kauffman, Chair, (Fairfax County Board of Supervisors), the Honorable Nancy Floreen, Vice Chair, (Montgomery County Council), Honorable Phil Mendelson, Vice-Chair (Council, District of Columbia), and the Honorable David Snyder, Vice Chair (Falls Church City Council). Elections of officers were held on December 15, 2004, the last business meeting of the calendar year.

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<sup>2</sup> Federal Register, Vol.69, no. 84, April 30, 2004, 23951-24000.

<sup>3</sup> Federal Register, Vol. 70, No. 3, January 5, 2005, 948-1018.

## **Interstate Air Quality Council**

The Interstate Air Quality Council is a cabinet-level collaboration between the District of Columbia, the State of Maryland and the Commonwealth of Virginia, comprised of the secretaries of the environment and transportation. IAQC transmits air quality planning proposals and materials to MWAQC for review and consideration. MWAQC transmits proposed plans and reports to the IAQC for submittal by the Governors and the Mayor to EPA.

## **Staff Support to MWAQC**

The lead role for administrative and technical support to MWAQC is held by the staff of the Metropolitan Washington Council of Governments. Major additional complementary technical staff support is provided by the staffs of the state air quality management agencies. During 1996, MWAQC established a Technical Advisory Committee (TAC) which formally broadened its staff support to include local government technical staff as well as staff representing the state transportation agencies. Beginning in 2005, the Technical Advisory Committee is chaired by a State Air Agency Program Director.

## **II. Summary of MWAQC Accomplishments During FY 2004-05**

MWAQC's primary achievements in FY2004-05 were completion of a "Severe Area SIP," submitted to the states and EPA in March 2004, completion of revised bylaws and changes to the MWAQC structure to allow greater regional cooperation in planning for the 8-hour ozone standard, and development of a MidCourse Review of progress towards achieving the one-hour ozone standard in the region. Achievements also include development of a list of priority control measures for the 8-hour ozone standard and development of projection inventories for 8-hour ozone (2009).

- **Severe Area SIP, Partial Approval**

State Implementation Plan (SIP) meeting the Clean Air Act requirements for a severe nonattainment area for the one-hour ozone standard. This plan addresses EPA's requirements for the Washington region as stated in the reclassification notice January 24, 2003. In the Federal Register notice of reclassification, the region was given the deadline of March 1, 2004 to submit a state implementation plan (SIP) to meet the requirements for a severe nonattainment area for the one-hour standard. The Severe Area SIP was submitted in two stages: the first stage in late August-early September 2003 and the second stage by March 1, 2004. In January 2005 EPA proposed approval of the Rates of Progress demonstrations and control measures included in the Severe Area SIP for the one-hour ozone standard.<sup>4</sup> EPA is expected to approve the attainment demonstration portion of the SIP in early 2005.

- **MWAQC Bylaws Revision**

From June to September staff worked closely with the states and MWAQC officers to revise the MWAQC bylaws to improve MWAQC's effectiveness for future air quality planning. MWAQC officially adopted the revised bylaws in October 2004. Important changes to the MWAQC process include 1) creation of a cabinet level Interstate Air Quality Council, 2) clarification of MWAQC authority and mission, 3) change in chairing the MWAQC Technical Advisory Council (TAC) and 4) adding an MWAQC budget allocation funding formula (1/3 from COG, 1/3 from state air agencies, and 1/3 from transportation agencies).

The Interstate Air Quality Council (IAQC) consists of state secretaries of transportation and environment for Maryland, Virginia, and the District of Columbia. It was created to develop interstate consensus on broad regional policies relating to air quality attainment. The IAQC may transmit air quality planning proposals, schedules or identify major control strategies to MWAQC for its review and consideration. MWAQC will transmit proposed air quality plans and interim products to the Council.

- **MidCourse Review**

In December MWAQC approved a MidCourse Review which assesses the region's progress towards attainment of the one-hour ozone standard. The analysis included several findings indicating that the region is making steady progress towards attainment. For one, the geographic area represented by the nonattaining monitors has decreased dramatically between 1990 and

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<sup>4</sup> Federal Register, No. 70, No. 8, January 12, 2005, 2085-2101.

2004. Secondly, the number of ozone exceedances per high temperature days has decreased due to reduced emissions levels. Transport, however, continues to significantly limit progress towards attainment. It is hoped that the federal rule requiring states to limit nitrogen oxide emissions from power plants in the Midwest (NOx SIP Call) will have the effect of reducing transport by November 2005.

- **Planning for the 8-Hour Ozone Standard**

EPA designated the region as moderate nonattainment for the 8-hour ozone standard in 2004. MWAQC's Technical Advisory Committee began review potential control measures to meet the standard by 2010. The Control Measures Workgroup established a list of priority measures for the states to consider implementing well in advance of 2007, the date when the attainment plan (SIP) is due. The Emissions Inventory Subcommittee developed projection inventories for a Reasonable Further Progress plan due in 2006.

### **MWAQC Committees**

MWAQC met six times during the fiscal year. Continued operation of the MWAQC regional process throughout the year was possible due to the operation of the Executive Committee and the Technical Advisory Committee (TAC). The Executive Committee discussed issues and guided staff between full MWAQC meetings. The Executive Committee was actively engaged during the year in negotiating revisions to MWAQC's bylaws. Chair Tom Dernoga briefed the Metropolitan Washington Council of Governments Board of Directors about the negotiations during the process, which was completed in October 2004 with approval of the revised bylaws.

### **Citizen Support**

MWAQC maintains an Air Quality Public Advisory Committee (AQPAC) in order to provide a conduit through which citizens can be briefed and comment on the actions before MWAQC. The AQPAC continued to provide comments on how regional air quality information could be made more accessible to the public audience.

During the period of July 2004 through June 2005, the Air Quality Public Advisory Committee (AQPAC) held eleven meetings. AQPAC commented to MWAQC about various issues during this period, including control measures for the 8-hour ozone standard, safety of portable fuel containers, concern about future mobile emissions from the region's transportation plan, and the Maryland legislature's failure to adopt Section 185 fee penalty legislation. AQPAC sent a letter to the Maryland Governor, legislature and cabinet secretaries urging them to support adoption of the fee penalty legislation. AQPAC had presentations from COG's Department of Transportation Planning staff on alternative scenario planning and its affect on transportation and land use, and a presentation about the Potomac River Generation Station. AQPAC revised its bylaws and adopted the revised version in January 2005.

### **III. MWAQC Work Program Objectives, 2005-2006**

The Washington, DC-MD-VA region begins 2005 with two new air quality challenges, meeting the 8-hour ozone and the PM<sub>2.5</sub> attainment deadlines by 2010. Last year the Washington region was designated as a moderate nonattainment area for the 8-hour ozone standard and in January 2005, was designated nonattainment for the PM<sub>2.5</sub> standard. The 8-hour ozone SIP is due in June 2007.

Air quality planning for the next eighteen months will be focused on producing the technical analysis needed to develop a regional strategy to meet the new 8-hour ozone standard. Two critical tasks will be development of projection emissions inventories essential for determining the regional air strategy, and developing broad, regional control measures that can be implemented by the states as soon as possible, before the 2007 SIP deadline. The first requirement for the 8-hour ozone standard is the Reasonable Further Progress (RFP) SIP due December 2006. Staff plans to have a draft RFP by early 2006.

Staff will also support attainment modeling work being conducted by the Virginia Dept. of the Environment for the Washington, DC-MD-VA domain. Although EPA has not yet published guidance for attainment modeling or Reasonable Further Progress, MWAQC staff is already on an aggressive schedule to complete a Reasonable Further Progress SIP before the December 2006 deadline. The Reasonable Further Progress SIP will demonstrate the region's progress towards achieving the 8-hour standard and it will establish a new mobile emissions budget for transportation conformity. The core work program will also provide technical support for local government air quality initiatives.

#### **Local Government Initiatives**

In addition to the SIP work, there are three local government initiatives included in the work program, to be funded by existing local COG contributions allocated to regional air quality planning. These tasks have been developed in response to the local government members of MWAQC. They include five MWAQC strategic planning sessions on components of the SIP, technical support for local government voluntary measures, and an Air Quality Outreach program directed at providing better air quality information to the media.

#### **Role of COG/MWAQC Staff**

The lead role for administrative and technical support to MWAQC is held by COG/MWAQC staff. MWAQC staff will collaborate closely with the state air agencies will be necessary to develop projection inventories for the SIP, potential control measures, and calculation of necessary reductions needed to meet the standards. MWAQC staff will hold monthly calls with the state air agencies to coordinate work tasks and use of resources. As in the past, MWAQC staff will work closely with COG's Department of Transportation Planning staff on mobile emissions inventory and conformity issues..

### **MWAQC Meeting Frequency**

Seven MWAQC meetings are proposed during the 18-month period to present results and policy implications from the on-going technical work. MWAQC meetings are scheduled around completion of interim products for the Reasonable Further Progress SIP and anticipated action by MWAQC.

During the 18-month period, in addition to the seven regular meetings, there will be five MWAQC strategic planning sessions. Each session will be focused on a component of the first 8-hour SIP, the Reasonable Further Progress SIP, and the reports associated with those components. The strategic planning sessions will be funded under the Local Government Initiatives by local government contributions to MWAQC.

This document is intended to guide the activities of the MWAQC through the eighteen month period from January 1, 2005 to June 30, 2006. In subsequent sections the reader will find detailed descriptions of the eight major work program areas that are included in this proposed work program. The eight major work areas are presented in more detail as tasks in the work program. The major work areas are as follows:

1. Emissions Inventory Development
2. Control Measure Evaluation (8-Hour Ozone Standard)
3. Attainment Modeling Coordination
4. Local Measures
5. Transportation Conformity
6. Public Participation
7. MWAQC/TAC Support
8. Program Management

Costs for each of the above tasks items are also included along with more detailed descriptions in Section IV of this document. Section V presents the Local Government Initiatives program. Section VI presents the proposed funding sources and projected budget for COG staff.

The states and COG staff will meet periodically to discuss the work program status once contracts have been executed. COG will report quarterly on expenses. With the consent of the Chair of MWAQC and/or the Executive Subcommittee, in consultation with the states and concurrence of the funding agencies, specific subtasks may be delayed, new tasks or subtasks added or substituted, or existing tasks or subtasks modified in scope. These actions would only take place as long as the integrity of the policy making process is maintained and EPA deadlines as interpreted by MWAQC are achieved.

## IV. Proposed 2005-FY2006 Work Program Task Descriptions

<b>1. Emissions Inventory Preparation</b>	<u>1/1/05-6/30/05</u>	<u>FY2006</u>
	\$37,567	\$70,369

Projection emission inventories will be needed for 2009 to develop control strategies and for the attainment SIP. Staff will closely coordinate with the MWAQC TAC Emissions Inventory Subcommittee to develop these inventories using growth factors on a county by county basis for the Metropolitan Washington region. An effort will be made to improve the accuracy of county-specific growth factors for area source emissions. Approximately thirty percent of the effort on emissions inventories will be focused on establishing mobile emissions inventories for 2009. The 2009 inventory is needed for the 8-hour ozone attainment SIP due in June 2007.

<b>Deliverables:</b>	<b>Deadline:</b>
Report on Base Yr. Inventories	March /April 2005
Report on Projection Inventories,2009	April-June 2005
Prelimin. emissions Reduction Requirements	June 2005

<b>2. Control Measure Evaluation (8-Hr Ozone Standard)</b>	<u>1/1/05-6/30/05</u>	<u>FY2006</u>
	\$31,798	\$79,642

MWAQC staff will evaluate control measures for different criteria to determine the best candidate measures for attainment of the 8-hour standard. Working with a Control Measure Workgroup, staff will develop a new list of measures for the 8-hour standard that includes suggestions from the state air agencies, the Technical Advisory Group, and the Air Quality Public Advisory Committee (AQPAC). Staff will attempt to make an early identification of potential measures requiring regulatory action so that the states will have sufficient lead time to initiate the process Before the 2007 SIP deadline. About forty percent of the staff effort will be spent on identifying mobile-related control measures, adjusting mobile emissions inventories to calculate rates of progress, and setting an 8-hour mobile emissions budget for 2009.

Staff will brief TAC and MWAQC about EPA's new guidelines, rules and regulations as necessary.

<b>Deliverables:</b>	<b>Deadline:</b>
Early Action Control Measure Report	March 2005
Draft Control Measure Prioritization Report	April 2005
Prelimin. Control Measure Prioritization Report	June 2005
Preliminary Control Strategy Report	August 2005
Draft 8-Hour Ozone SIP Template	December 2005
Draft SIP Approved for Public Hearings	March 2006

	<u>1/1/05-6/30/05</u>	<u>FY2006</u>
<b>3. Attainment Modeling Coordination</b>	<b>\$17,021</b>	<b>22,135</b>

MWAQC staff will convene the Attainment Subcommittee to review and discuss the photochemical modeling for the Washington nonattainment region. During this period the Regional Planning Organizations (Ozone Transport Commission, MidAtlantic Air Management Association) are developing projection inventories for use in photochemical modeling for 8-hour ozone, PM2.5 and regional haze for 2009 and 2018. The multipollutant inventories are being created on a broad, national scale. Staff will coordinate modeling and use of broad inventories developed by the Mid-Atlantic/Northeast Visibility Union (MANE-VU), Visibility Improvement State and Tribal Association of the Southeast (VISTAS) and the Ozone Transport Commission (OTC), to model the Washington DC-MD-VA area domain for the 8-hour ozone attainment.

Staff will coordinate development of a modeling protocol, episode selection and other parameters needed to model the Washington, D.C.-MD-VA domain for the 8-hour ozone standard.

Staff will participate and track larger scale modeling efforts supported by the Ozone Transport Commission and the Mid-Atlantic Regional Air Management Association. Staff will present significant policy issues involving the use of models for the Baltimore-Washington domain to TAC and MWAQC.

<b>Deliverables:</b>	<b>Deadline:</b>
Attainment Modeling Subcommittee Meetings	Monthly
Report on 8-Hour Ozone Inventories And Photochemical Modeling	October 2005

<b>4. Local Measures</b>	<u>1/1/05-6/30/05</u>	<u>FY2006</u>
	<b>\$30,000</b>	

The objective of this task is to provide technical support to local government air quality initiatives, such as purchasing wind energy, retrofitting diesel school buses, use of low VOC-paints, and adoption and implementation of other innovative measures to reduce ozone-causing emissions. These initiatives began as part of the Severe Area SIP and will be expanded for the 8-hour ozone air quality plan.

	<u>05-6/30/05</u>	<u>FY2006</u>
<b>5. Transportation Conformity/ Mobile Emission Analysis</b>	<b>\$50,000</b>	<b>\$100,000</b>

MWAQC staff will perform several tasks as part of the transportation/air quality conformity process. TPB will propose FY 2006 Transportation Improvement Program in the fall of 2005. Staff and the Conformity Subcommittee will review proposed transportation projects, amendments to the Transportation Improvement Plan, and review and participate in the air quality conformity analysis. Staff will provide regular briefings for the Transportation Planning Board (TPB) and TPB Technical Committee about EPA regulations and guidance as they apply to SIP planning in the Washington region. Staff will coordinate planning the air quality SIP schedule and the TPB TIP conformity schedule.

<b>Deliverables:</b>	<b>Deadline:</b>
Review MOBILE6.2 inputs to conformity	February-July 2005
Comment on Transportation Conformity Analysis	July-September 2005
Prepare emissions factors for SIP analysis	March-September 2005
Provide briefings and written reports to TPB and TPB Tech.Cttee	As needed

	<u>1/1/05-6/30/05</u>	<u>FY2006</u>
<b>6. Public Participation</b>	<b>\$20,179</b>	<b>\$45,925</b>

Staff will support the Air Quality Public Advisory Committee (AQPAC), an advisory committee to MWAQC, by attending meetings, providing administrative support, and briefing the committee on EPA regulations, air quality progress, air quality planning issues, and proposed actions of MWAQC. AQPAC will meet monthly except for August. Staff will respond to requests from the public and the media for air quality information.

<b>Deliverables:</b>	<b>Deadline:</b>
AQPAC meetings	Monthly, except for August
Media and public outreach	As needed

	<u>1/1/05-6/30/05</u>	<u>FY2006</u>
<b>7. MWAQC/TAC Support</b>	<b>\$34,385</b>	<b>\$70,000</b>

MWAQC Support includes staff support for MWAQC meetings, MWAQC Executive Committee and the Technical Advisory Committee meetings. As the staff will be focused on developing the technical basis for the SIP during this period, there will be fewer policy actions required by MWAQC. The MWAQC meetings are scheduled to hear progress reports and to approve interim products for the 8-hour ozone attainment SIP due in June 2007. The Technical Advisory Committee will meet monthly, with frequent subcommittee meetings. The Executive Committee will continue to meet monthly. Staff will also support the annual joint public meeting of the Governors of Maryland and Virginia, the Mayor of the District of Columbia, and the MWAQC Leadership called for in the MWAQC by-laws.



## V. Local Government Initiatives

The Local Government Initiatives program has been developed to reflect the needs of COG member local governments. The FY2005 and proposed FY 2006 COG Budget includes funding allocated to regional air quality planning that is available for this purpose.

	<u>1/1/05-6/30/05</u>	<u>FY2006</u>
• <b>MWAQC Strategic Planning Sessions</b>	<b>\$5,000</b>	<b>\$12,000</b>

Several strategic planning sessions will be conducted on non-MWAQC meeting months. The sessions will be focused on discussions of SIP strategy leading to the approval of components of the 8-hour ozone State Implementation Plan (SIP). Five strategic planning sessions are planned during the 18-month period; two will be held between January and June, 2005, and three will be held between July 2005 and June 2006. The strategic planning sessions are related to interim deliverables in the SIP process, including strategies for control measures and demonstration of rate of progress and for demonstration of attainment for the 8-hour ozone standard.

<b>Deliverables:</b>	<b>Deadline:</b>
Five planning sessions on SIP strategy issues	FY 2005: April, June FY 2006: October, 2005,  February, May 2006

	<u>1/1/05-6/30/05</u>	<u>FY2006</u>
• <b>Support for Local Government Voluntary Measures</b>	<b>\$10,500</b>	<b>\$20,000</b>

Local governments in the Washington region will continue to work on their commitments to reduce emissions. MWAQC staff will assist local governments to develop programs that will work as a region to reduce emissions. MWAQC staff will provide technical expertise, in cooperation with the states, to assist local governments in the development of strategies and programs to reduce emissions, and to provide a mechanism for calculating and reporting evidence of actions taken. SIP tasks will include coordination and documentation of voluntary measures and technical support for lead local government agencies developing innovative voluntary measures. Local voluntary measures include environmental performance contracting, gas can replacement programs, energy efficiency and renewable energy programs, such as purchase of wind energy.

<b>Deliverables:</b>	<b>Deadline:</b>
Conference calls re new measures	As needed
Tracking sheet for estimating reductions	Updated as needed
Meet local staff to discuss benefits	
Calculations, other issues	As needed

• **Air Quality Outreach**

**\$17,500**

**\$58,000**

MWAQC Leadership, COG/MWAQC Air Quality staff and COG Public Affairs staff will meet with the media, particularly environmental reporters and editorial boards, to inform them about air quality issues and progress. The regions' Public Information Officers' Committee will be convened and briefed about regional air quality issues and engaged in designing and implementing an outreach effort to the media. In addition, staff will make periodic reports about the air quality and current trends to the COG Board of Directors, Chief Administrative Officers' Committee, and to member local governments as requested. The goal of the outreach program will be to a better informed media that provides more factually accurate and balanced reporting on regional air quality progress. This task also covers COG staff time to respond to media inquiries or support the MWAQC Leadership in responding to media inquiries.

**Deliverables:**

Public Info. Officers Ctte briefing  
Meetings with print media  
Event for media  
Response to Media Inquires

**Deadline:**

April 2005, other TBD  
May 2005  
End of 2005 ozone season (Sept/Oct)  
Ongoing

## **VI. Proposed Funding Sources and Projected Budget for COG Staff**

The proposed MWAQC Work Program for FY2006 is an 18-month work program and budget that incorporates changes resulting from the reorganization of MWAQC and its mission. The proposed work program and budget covers the period from January 1, 2005 to June 30, 2006. The work program is being revised for the second half of FY2005 and for the entire FY 2006 period to address the new initiatives resulting from adoption of the revised MWAQC bylaws October 2004.

The MWAQC bylaws adopted in October 2004 include a funding formula that allocates contributions to MWAQC by thirds, 1/3 from state air agencies, 1/3 from state transportation agencies, and 1/3 from local governments ((Table 1). The state air agencies have indicated they are able to contribute \$151,800 collectively for FY 2006, the same level as FY 2005. Based on the state air agencies' contribution, the proposed budget for the 18-month period is a total of \$667,200.

The local government initiatives program is proposed to use COG local funding already allocated to regional air quality planning in the COG FY 2006 budget for additional MWAQC strategic planning sessions, support for local measures to reduce air pollution, and air quality outreach to local governments and the media. The total proposed budget for the 18-month period is \$213,000.

Tables 2 and 3 present a breakdown of cost by work program element, as was included in the enclosed work program task descriptions. Tables 4 and 5 present the allocation of COG staff time by professional/support staff person that is estimated to perform the tasks described in this document. These estimates provide funding or partial funding for the anticipated staff positions as shown in Tables 2 and 3. Tables 6 and 7 provide the staff time and cost of work program tasks by subtask.

**Table 1  
Proposed MWAQC Funding Contributions by Source FY 05-2006**

Source	6 months	12 months	18 months
	FY05* (1/1/05-6/30/05)	Requested FY06	Total 18-month Funding
<b>COG</b>	\$ 75,900	\$151,800	227,700
State DOT/TPB	\$ 50,000	\$151,800	\$201,700
State Air Agencies			
D.C.DOH			
MDE			
VDEQ			
States. Subtotal	\$ 75,900	\$151,800	\$227,700
Carryover 2005 (7/1/01-12/31/04)	\$ 5,000	\$ 5,000	\$ 10,000
<b>TOTAL</b>	<b>\$ 206,800</b>	<b>\$460,400</b>	<b>\$667,200</b>
<b>Local Govt. Initiatives</b>			
**COG local carryover FY2004	\$12,900	\$12,900	\$25,800
COG local funds	\$20,100	\$77,100	\$97,200
<b>SUBTOTAL Local Govt. Initiatives</b>	<b>\$33,000</b>	<b>\$90,000</b>	<b>\$123,000</b>

**\* FY05 funding has been provided to COG. State DOT/TPB and State Air Agency amounts are unchanged. COG local dollars have been reallocated to fund local government initiative tasks, but the total is unchanged.**

**\*\*COG local contribution for special consultant tasks was not completely spent.**

**Table 2:  
Proposed 6-month FY2005 Air Quality Work Program Tasks  
1/1/05-6/30/05**

Work Program Tasks	COG staff (\$)	Consultants	Direct\$	Total Cost (\$)
1. Emissions Inventory Development	26,782		785	\$37,567
2. Control Measure Evaluation (SIP)	31,046		750	\$31,798
3. Attainment Modeling Coordination	16,521		500	\$17,021
4. Transportation Conformity/Mobile Emissions Analysis	48,035		1,965	\$50,000
5. Public Participation	19,429		750	\$20,179
6. MWAQC, TAC and Exec Ctte Support	28,885		5,500	\$34,385
7. Project Management	13,602		2,250	\$15,852
<b>TOTAL</b>	<b>184,300</b>	<b>10,000</b>	<b>12,500</b>	<b>\$206,800</b>
<b>Local Govt. Initiatives Budget</b>				
S1.MWAQC Strategic Planning Sessions	4,488		512	\$5,000
S2. Local Measures Support	9,748		752	\$10,500
S3. AQ Reporting and Outreach	6,995	10,000	505	\$17,500
<b>SUBTOTAL, Local Govt Initiatives</b>	<b>21,230</b>	<b>10,000</b>	<b>1,769</b>	<b>\$33,000</b>

**Table 3:  
Proposed 12-month FY2006 Air Quality Work Program Tasks**

Work Program Tasks	COG staff (\$)	Consultants(\$)	Direct\$	Total Cost (\$)
1. Emissions Inventory Development	49,528	20,000	841	\$70,369
2. Control Measure Evaluation (SIP)	77,912		1,730	\$79,642
3. Attainment Modeling Coordination	21,626		509	\$22,135
4. Local Measures	27,515		2,485	\$30,000
5. Transportation Conformity/Mobile Emissions Analysis	95,328		4,672	\$100,000
6. Public Participation	44,525		1,300	\$45,825
7. MWAQC, TAC and Exec. Ctte Support	57,659		12,341	\$70,000
8. Project Management	37,608		4,821	\$42,429
<b>TOTAL</b>	<b>415,973</b>	<b>20,000</b>	<b>24,428</b>	<b>\$460,400</b>
<b>Local Govt. Initiatives Budget</b>				
MWAQC Strategic Planning Sessions	11,318		682	\$12,000
Local Measures Support	19,289		711	\$20,000
AQ Reporting and Outreach	42,013	15,000	986	\$58,000
<b>SUBTOTAL, Local Govt. Initiatives</b>	<b>72,620</b>	<b>15,000</b>	<b>2,379</b>	<b>\$90,000</b>

**Table 4**  
**COG Staff Allocation – January 1, 2005 through June 30, 2005**  
**(in hours)**

	Director of DEP	DEP/Air Planning Chief	DEP/ Senior Engineer	DEP/Air Planner II	DEP/Air Planner II	Consult ant	Financia l & Grant Manager	Public Affairs	Admin . Aide	Total
<b>1. Emissions Inventory Develop</b>		80	165	60	0	133	0		0	438
<b>2. Control Measure Evaluation (SIP Coordination)</b>	0	99	113	119	40		0	0	0	371
<b>3. Attainment Modeling Coordination</b>	0	44	90	64	0			0	0	198
<b>4. Transportation Conformity</b>	40	142	182	162	0		0	0	0	526
<b>5. Public Participation</b>	0	56	0	64	90			0	64	274
<b>6. MWAQC/TAC and Exec Cttee Support</b>	16	84	72	88	34		0	0	64	358
<b>7. Project Management</b>	12	52	0	0			36		56	156
<b>TOTAL</b>	68	557	622	557	164	133	36	0	184	2,321
<b>LOCAL GOVT. INITIATIVES</b>										
<b>1. MWAQC Strategic Planning Sessions</b>		15	18	20						53
<b>2. Local Measures Support</b>		36	38	38						112
<b>3. AQ Reporting &amp; Outreach</b>		15	25	30	20					209
<b>SUBTOTAL, LOCAL GOVT. INITIATIVES</b>		66	81	88	20					374



**Table 5**  
**COG Staff Allocation – July 1, 2005 through June 30, 2006**  
**(in hours)**

	Director of DEP	DEP/Ai r Plannin g Chief	DEP/ Senior Enginee r	DEP/Ai r Planner II	DEP/Air Planner II	Consul tant	Financial & Grant Manager	Public Affairs	Admin. Aide	Total
<b>1. Emissions Inventory Develop</b>	16	172	320	0	0		0		0	508
<b>2. Control Measure Evaluation (SIP Coordination)</b>	0	200	210	442	150	267	0	0	0	1,002
<b>3. Attainment Modeling Coordination</b>	0	48	148	62	0			0	0	258
<b>4. Local Measures</b>	0	48	75	220	36					379
<b>5. Transportation Conformity</b>	82	220	436	338	0		0	0	0	1,076
<b>6. Public Participation</b>	0	60	0	80	285			50	168	643
<b>7. MWAQC/TAC and Exec Ctte Support</b>	30	167	138	162	60		0	0	175	732
<b>8. Project Management</b>	32	104	0	0			172		128	436
<b>TOTAL</b>	160	1,019	1,327	1,304	531	254	172	50	447	5,034
<b>LOCAL GOVT INITIATIVES</b>										
<b>1. MWAQC Strategic Planning Sessions</b>		32	50	56						138
<b>2. Local Measures Support</b>		66	78	82						226
<b>3. AQ Reporting &amp; Outreach</b>		110	162	258						530
<b>SUBTOTAL, LOCAL GOVT INITIATIVES</b>		208	290	396	0					894



**Table 6. Air Quality Work Program Costs by Subtask, 1/1/05-6/30/05**

<b>Task/Subtask</b>	<b>Total Hours</b>	<b>Total \$</b>	<b>Total Direct costs</b>	<b>Total Project \$</b>
<b>I. Inventory Preparation</b>				
1. Update 2002 Periodic Emissions Inventory	305	26,782	785	27,567
2. Consultant	133		10,000	10,000
<b>Subtotal, Inventory</b>	<b>305</b>	<b>26,782</b>	<b>10,785</b>	<b>37,567</b>
<b>II. Control Measure Evaluation</b>				
1. Revise SIP/Develop ROP	235	19,763	750	20,518
2. Identify New Measures	136	11,278	0	11,278
<b>Subtotal, SIP Coordination</b>	<b>371</b>	<b>31,048</b>	<b>750</b>	<b>31,798</b>
<b>III. Attainment Coordination</b>				
1. Coordinate Attainment Strategies	101	8,504	500	9,004
2. Track Attainment Modeling	97	8,018	0	8,018
<b>Subtotal, Attainment Modeling</b>	<b>198</b>	<b>16,521</b>	<b>500</b>	<b>17,021</b>
<b>IV. Transp.Conformity/Mobile Em.</b>				
1. Conformity Process/Subcomm.	54	5,048	0	5,048
2. Prepare Emissions Factors	256	23,507	965	24,472
3. Transportation/AQ Coordination	216	19,480	1,000	20,480
<b>Subtotal, Transp.Conform./Mob.Emm.</b>	<b>526</b>	<b>48,035</b>	<b>1,965</b>	<b>50,000</b>
<b>V. Public Participation</b>				
1. AQPAC Meetings	164	10,764	750	11,514
2. Media/Public Outreach	110	8,665	0	8,665
<b>Subtotal, Public Part/Ed</b>	<b>274</b>	<b>19,429</b>	<b>750</b>	<b>21,179</b>
<b>VI. MWAQC, TAC and Exec Ctte Support</b>				
1. MWAQC Support	196	15,022	4,200	19,222
2. Exec Ctte	60	5,258	300	5,558
3. Technical Advisory Ctte	82	6,916	1,000	7,916

4. EPA Region Coord/Consultation	20	1,689	0	1,689
<b>Subtotal, MWAQC, TAC, Exec.</b>	<b>358</b>	<b>28,885</b>	<b>5,500</b>	<b>34,385</b>
<b>VII. Project Management</b>				
1. Dev. Work Program & Billing	132	10,687	1,000	11,687
2. Quarterly Reports	24	2,915	0	2,915
3. Computer Support	0	0	1,250	1,250
<b>Subtotal, Project Management</b>	<b>158</b>	<b>13,602</b>	<b>2,250</b>	<b>15,852</b>
<b>Grand Total</b>	<b>2,188</b>	<b>184,300</b>	<b>22,500</b>	<b>206,800</b>
<b>Local Government Initiatives</b>				
1. MWAQC Strategic Planning Sessions	53	4,488	512	5,000
2. Local Measures Support	112	9,748	752	10,500
3. AQ Reporting and Outreach	90	8,995	10,505	17,500
<b>Subtotal, Local Govt. Initiatives</b>	<b>255</b>	<b>21,230</b>	<b>11,769</b>	<b>33,000</b>

**Table 7. Air Quality Work Program Costs by Subtask, 7/1/05-6/30/06**

<b>Task/Subtask</b>	<b>Total Hours</b>	<b>Total \$</b>	<b>Total Direct costs</b>	<b>Total Project \$</b>
<b>I. Inventory Preparation</b>				
1. Update 2002 Periodic Emissions Inventory	508	49,528	841	50,369
2. Consultant	267		20,000	20,000
<b>Subtotal, Inventory</b>	<b>775</b>	<b>49,528</b>	<b>20,841</b>	<b>70,369</b>
<b>II. Control Measure Evaluation</b>				
1. Revise SIP/Develop ROP	620	48,032	1,200	49,232
2. Identify New Measures	382	29,880	530	30,410
<b>Subtotal, SIP Coordination</b>	<b>1,002</b>	<b>77,912</b>	<b>1,730</b>	<b>79,642</b>
<b>III. Attainment Coordination</b>				
1. Coordinate Attainment Strategies	156	12,997	509	13,506
2. Track Attainment Modeling	102	8,629	0	8,629
<b>Subtotal, Attainment Modeling</b>	<b>258</b>	<b>21,626</b>	<b>509</b>	<b>22,135</b>
<b>IV. Local Measures</b>				
<b>Subtotal, Attainment Modeling</b>	<b>379</b>	<b>27,515</b>	<b>2,485</b>	<b>30,000</b>
<b>V. Transp.Conformity/Mobile Em.</b>				
1. Conformity Process/Subcomm.	60	5,697	0	5,697
2. Prepare Emissions Factors	590	51,968	2,350	54,318
3. Transportation/AQ Coordination	426	37,664	2,322	39,986
<b>Subtotal, Transp.Conform./Mob.Emm.</b>	<b>1,076</b>	<b>95,328</b>	<b>4,672</b>	<b>100,000</b>
<b>VI. Public Participation</b>				
1. AQPAC Meetings (6)	294	19,157	750	19,907
2. Media and Public Outreach	349	25,368	550	25,918
<b>Subtotal, Public Partic,Education</b>	<b>643</b>	<b>44,525</b>	<b>1,300</b>	<b>45,925</b>
<b>VII. MWAQC, TAC and Exec Ctte Support</b>				

1. MWAQC Meetings (6)	399	32,164	10,000	42,164
2. Exec. Ctte Meetings (8)	122	9,545	500	10,045
3. TAC Ctte. Meetings (8)	181	12,326	1,500	13,826
4. EPA Region Coord/Consultation	40	3,624	341	3,965
<b>Subtotal, MWAQC Support</b>	<b>732</b>	<b>57,659</b>	<b>12,341</b>	<b>70,000</b>
<b>VIII. Project Management</b>				
1. Dev. Work Program & Billing	388	31,779	2,571	34,350
2. Quarterly Reports	48	5,829	250	6,079
3. Computer Support	0	0	2,000	2,000
<b>Subtotal, Project Management</b>	<b>436</b>	<b>37,608</b>	<b>4,821</b>	<b>42,429</b>
<b>Grand Total</b>	<b>5,034</b>	<b>411,702</b>	<b>48,698</b>	<b>460,400</b>
<b>Local Govt. Initiatives</b>				
1. MWAQC Strategic Planning Sessions	138	11,318	682	12,000
2. Local Measures Support	226	19,289	711	20,000
3. AQ Reporting and Outreach	530	42,013	15,986	58,000
<b>Subtotal, Local Govt Initiatives</b>	<b>1,100</b>	<b>72,620</b>	<b>17,379</b>	<b>90,000</b>