

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

Air Quality Planning
Work Program and Budget

DRAFT

July 1, 2009 through June 30, 2010

Prepared by

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

I. Background

This document presents the work program for the Metropolitan Washington Air Quality Committee (MWAQC) to be carried out between July 1, 2009 and June 30, 2010. 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 and fine particles 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

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 June 2007. The region has a deadline of June 15, 2010, to meet the 8-hour ozone standard.¹ The geographic scope of the region includes the Metropolitan Washington Region defined as follows: Montgomery, Prince George's, Frederick, Charles, Calvert Counties in Maryland; Fairfax County, Arlington County, City of Alexandria, City of Falls Church, City of Fairfax, Prince William County, Loudoun County, City of Manassas in Virginia; and the District of Columbia.

EPA promulgated a new ozone standard in March 2008. The new primary standard was lowered to 75 ppb from 85 ppb based on new evidence that ozone at lower levels has serious health effects. The states in the Metropolitan Washington region recommended to EPA that the region be designated in nonattainment for the new standard based on monitor data.²

¹ Federal Register, Vol.69, no. 84, April 30, 2004, 23951-24000.

² Federal Register, Vol.73, no. 60, March 27, 2008, 16436-16513

PM_{2.5} Standard (“Fine Particle”) : EPA designated the metropolitan Washington region as nonattainment for the fine particulate standard, PM_{2.5}, in January 2005. The state implementation plan adopting all requirements for the fine particulate standard is due in 2010.³ The geographic scope of the Washington region PM fine nonattainment area is the same as for the 8-hour ozone standard, with the exception of Calvert County, Maryland. In December 2008 EPA announced that the monitors in the Washington region show compliance with the 1997 annual PM_{2.5} standard.⁴

One-Hour Ozone Standard: The Washington region’s air quality met the one-hour ozone standard by the region’s deadline of November 2005, although EPA revoked the standard earlier in the year and, therefore, was no longer making findings of attainment for the one hour ozone standard. In July 2008 EPA published a notice in that the Washington region attained the one-hour ozone standard by its deadline of November 2005.⁵

Carbon Monoxide: The Washington region met the carbon monoxide standard in 1995. In 2004 a maintenance plan submitted to EPA demonstrated the standard will be maintained until 2016.

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, participated 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, Emissions Inventory, and Local Government Initiatives Subcommittee.

Current officers of MWAQC are the Honorable Phil Mendelson, Chair, (Council of the District of Columbia), the Honorable Leta Mach, Vice Chair (Council, City of Greenbelt), and the Honorable Jay Fissette Vice Chair (Member, Arlington County Board). The third vice chair will be from the District and is yet to be determined. Elections of officers were held on December 10, 2008, the last business meeting of the calendar year.

³ Federal Register, Vol. 70, No. 3, January 5, 2005, 948-1018.

⁴ Federal Register, Vol. 74, No. 7, January 12, 2009, 1146-1148.

⁵ Federal Register, Vol.73, No. 144, July 25, 2008, 43360-43362.

Interstate Air Quality Council

The Interstate Air Quality Council (IAQC) 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. In 2009 Technical Advisory Committee is chaired by Tom Ballou, Virginia Dept. of Environmental Quality.

II. Summary of MWAQC Accomplishments During FY 2008-09

Fine Particle Plan Submitted

MWAQC's primary achievement in FY2008 was the completion and submittal of a PM_{2.5} State Implementation Plan for the Washington, DC-MD-VA Nonattainment Area to the states to submit to EPA. The plan demonstrates attainment of the PM_{2.5} standard by 2009, even though the monitors in the region demonstrated compliance with the annual PM_{2.5} standard in 2005 and 2006. Elements of the plan included adoption of controls to further reduce emissions, a Reasonable Available Control Measure (RACM) analysis, an attainment demonstration and Supplemental Measures supporting the continued attainment; contingency plans for 2009 and 2010; and complete emissions inventories for base year 2002, and for attainment year 2009.

MWAQC submitted a State Implementation Plan (SIP) for the 1997 annual PM_{2.5} standard which is 15 u/m³. Maryland and the District of Columbia joined several other states in a lawsuit against EPA arguing that the annual standard was not set low enough to protect public health. In February 2009 the District Court upheld the states' position and remanded the annual standard to EPA for reconsideration.⁶ The region's SIP includes measures that will continue to reduce fine particle levels in the region during the period when EPA reassesses the level of the annual standard.

Climate Change and Air Quality Technical Support

MWAQC contributed to COG's Climate Change Report as well as leadership to the Climate Change Steering Committee (CCSC). MWAQC staff provided technical support to the CCSC, developing a regional greenhouse gas emissions inventory, a Best Practices catalogue, and a Climate Change Report. In March MWAQC sent a comment letter to VDEQ about Dominion's plans to construct a 668 MW coal-fired electric plant in Wise County, VA. MWAQC requested an analysis of GHG emissions from the proposed facility.

Clean Data Determination

In September MWAQC sent a letter requesting that EPA issue a Clean Data determination for the Metropolitan Washington nonattainment area for the 1997 PM_{2.5} standards. Data from the region's monitors have been in compliance with the standard since 2005. In December EPA published a notice of Clean Data for the region.⁷

Fine Particle (PM_{2.5}) Components:

- **Control Strategy**

MWAQC adopted a strategy that is a combination of proposed regulatory measures and voluntary local government measures (Supplemental Measures). The proposed regulatory measures include states' Clean Air Interstate Rules (CAIR), federal measures including the Heavy Duty Engine Rule (2007), the Heavy Duty Diesel Rule (2004) and Supplemental Measures

⁶ U.S. Court of Appeals for the DC Circuit, American Farm Bureau Federation vs. EPA, No. 06-1410, Feb. 24, 2009.

⁷ Federal Register, Vol.73, No.205, October 22, 2008, 62945.

that are nonregulatory programs adopted by local governments, such as wind energy purchase, energy efficiency measures, and diesel retrofit programs.

- **Reasonably Available Control Measure (RACM) Analysis**

The SIP contains a list of over 200 control measures that were evaluated for their ability to reduce emissions in the region by May 2008, a year earlier than the 2009 deadline. Analysis of these measures is a requirement of the Clean Air Act and a component of the State Implementation Plan (SIP) for the PM_{2.5} standard.

- **Attainment Demonstration**

The SIP contains an attainment demonstration conducted by the Virginia Dept. of Environmental Quality (VADEQ) that demonstrates the region will meet the PM_{2.5} standard by September 2009. VADEQ, in consultation with the MDE, DCDOE, and MWCOG, was responsible for conducting Community Multi-scale Air Quality (CMAQ) modeling over the Washington, D.C. domain. VADEQ's modeling runs were done in coordination with the Ozone Transport Commission's modeling for the 12-state Ozone Transport Region, and with the Association for Southeastern Integrated Planning (ASIP) modeling, done for the southeastern states. Modeling centers included New York State Dept. of Environmental Conservation (NYS DEC), University of Maryland, Northeast States for Coordinated Air Use Management (NESCAUM) and VADEQ. Modeling inventories were developed, updated and shared among the regional modeling centers and provided by MidAtlantic Air Regional Management Association (MARAMA) and Mid/Atlantic Visibility Union (MANE-VU). In addition, the SIP includes additional statistical evidence to demonstrate that air quality monitored data in the region supports the modeled results that the region will attain in 2009.

- **Emissions Inventory**

The SIP includes base-year 2002, and projection year inventories for 2009. Annual inventories for five components of PM_{2.5} were prepared, for NO_x, VOC, SO₂, NH₃, and PM direct. The SIP also includes modeling inventories used for photochemical modeling. The final base year 2002 inventories were well documented in the SIP in Appendix B.

- **Local Government Initiatives**

A new committee, the Local Government Initiatives Subcommittee, was created in early 2006. MWAQC staff worked with the subcommittee to develop local air quality measures to be included in the SIP. Staff surveyed local governments for a list of programs to be included in the SIP. The results of the survey produced a draft bundle of local non-regulatory programs, such as wind energy and energy efficiency programs that were included in the SIP. The measures, called Supplemental Measures, are included as commitments by several local governments in the metropolitan Washington region.

MWAQC Committees

MWAQC met five 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.

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 2007 through June 2008 the Air Quality Public Advisory Committee (AQPAC) held eleven meetings. AQPAC commented to MWAQC about various issues during this period, including attainment modeling, the Potomac River Power Plant, and the Pepco Benning Road power plant. AQPAC reviewed a draft educational brochure on the SIP and PM_{2.5} for use in public hearings. In November AQPAC hosted an Air Quality Town Meeting to discuss . “Particles and Climate Change: Integrated Strategies.” AQPAC reported the results of the Town Meeting to MWAQC at the following meeting.

III. MWAQC Work Program Objectives, 2009-10

In the coming year MWAQC will develop a multipollutant strategy for the Washington, DC-MD-VA region to address the daily fine particle standard, ozone and greenhouse gas emissions. Staff will analyze control strategies for multi-pollutants that evaluate measures in terms of benefits and timing of benefits. The core work program will also provide technical support for local government air quality initiatives. A new initiative will involve coordinating air quality planning with state and local Clean Energy programs.

The Core MWAQC Program tasks include:

- Participate in developing regional SIP modeling inventories for ozone, PM SIPs
- Evaluation of EERE measures for the SIP in terms of PM_{2.5} and greenhouse gas reductions.
- Track local government Supplemental Measures in the ozone and PM SIPs
- Develop tracking metrics for regional greenhouse gas emissions (GHG) inventory
- Coordinate air quality planning with state and local Clean Energy programs
- Track state and local energy efficiency initiatives
- Coordinate public policy for air and climate change among the states and local governments in the region
- Track local government Supplemental Measures in the PM and Ozone SIPs
- Transition to MOVES model for use in transportation conformity (early 2010)
- Review transportation conformity analyses for ozone, fine particles, winter carbon monoxide, and greenhouse gases

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. The local governments initiatives funding provides technical support for local government SIP commitments for reporting and evaluation, support for developing local inventories for greenhouse gases based on the regional inventory and an Air Quality Outreach program directed at providing better air quality information to the media.

Enhanced Public Outreach Effort

For use in public meetings and events staff will develop materials as needed about energy efficiency measures and individual efforts to reduce greenhouse gases that will contribute to meeting regional and local greenhouse gas reduction goals as well as reducing precursors of fine particles in the region.

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 review and revise SIP inventories as needed for ozone and fine particles, 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

Eight to ten MWAQC meetings are proposed during the 12-month period to discuss EPA Unmonitored area modeling guidance for fine particles, proposed revisions to inventories or to plans as needed, to discuss policy implications of federal guidance and proposed revisions of National Ambient Air Quality Standards (NAAQS) for fine particles and ozone, and to take actions such as commenting on guidance, policies and potentially approving SIP revisions as needed for the region.

This document is intended to guide the activities of the MWAQC through the twelve month period from July 1, 2009 to June 30, 2010. 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 core work areas are as follows:

1. State Implementation Planning/Multipollutant Strategy
2. Emissions Inventory Development
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 FY2009 Work Program Task Descriptions

1. State Implementation Planning

FY2010

\$57,349

MWAQC will develop a multipollutant strategy for the Washington, DC-MD-VA region to address the daily fine particle standard, ozone and greenhouse gas emissions. The multipollutant measures analyzed for the regional strategy will be used to meet a future new ozone standard.

Energy efficiency measures will be used in a regional action plan to reduce greenhouse gases and meet regional reduction targets. Staff will quantify benefits from Energy Efficiency and Renewable Energy programs/projects (EERE) to be included in the fine particle SIP for credit. Staff will coordinate efforts with the state and local energy offices and state air quality agencies. Projects will be analyzed in terms of providing benefits for NO_x, SO₂ and CO₂.

Specific SIP tasks are described below. Staff will brief Technical Advisory Committee (TAC) and MWAQC about EPA's new guidelines, rules and regulations as necessary. Staff will work with EPA Region 3 and states to obtain guidance for writing a fine particle maintenance plan for the 1997 annual fine particle standard. Once EPA guidance addresses TAC's questions about future inventories for direct PM, staff will develop an outline for a Redesignation Request and Maintenance plan.

Multipollutant Strategy

Staff will develop a multipollutant strategy to reduce fine particles, ozone and greenhouse gases. Measures will be evaluated in terms of multipollutant benefits, costs and reasonableness of adoption and implementation.

Staff will analyze benefits from Energy Efficiency and Renewable Energy programs and projects (EERE) for inclusion in a fine particle SIP for credit. Staff will coordinate efforts with the state and local energy offices and state air quality agencies. Projects will be analyzed in terms of providing benefits for NO_x, SO₂, and CO₂.

Public Policy Coordination

Staff will track state legislation that affects air quality and climate change in the Washington region. Staff will provide information and a forum for coordinating public policies that affect air quality and climate change among the state air and energy agencies and local governments in the region.

Deliverables:

Evaluation of EERE measures
Reports on state legislative activity
Maintenance plan outline
Coordinate public policies

Deadline:

September – March 2010
April – May, as needed
Depending on EPA guidance
Forums, calls as needed

2. Emissions Inventory Preparation

FY2010
\$32,549

Staff will coordinate with the states to develop inventories for the next round of attainment modeling for the Washington region. Staff will participate on regional (OTC/MARAMA) inventory calls to develop consistent methodologies for area source inventories as well as for other sources. Staff will participate with the states in discussions about two other precursors, VOC and ammonia, and consult with the states if there is new evidence to support including these for fine particle controls and SIP planning.

If EPA develops guidance for PM maintenance plans, staff will work with the states to develop new PM_{2.5} inventories for the Maintenance Plan. Two out year inventories will need to be developed, for a midyear and ten year-out inventory.

Staff will refine the regional greenhouse gas emissions inventory, including emissions for NO₂, methane and refrigerants. Staff will develop inventories for target years as needed. Staff will convene meetings of the Emissions Inventory Committee as needed to discuss new methodologies and issues as they arise.

Deliverables:

Emissions Inventory Subcommittee

Deadline:

Conference calls, meetings as needed

3. Attainment Modeling Coordination

FY2010
\$20,296

Modeling for fine particles is conducted by Regional Planning Organizations such as the Ozone Transport Commission (OTC) and the Visibility Improvement State and Tribal Association of the Southeast (VISTAS) on a scale that includes the Northeast and Mid-Atlantic states as well as the Mid-West. Virginia Dept. of Environmental Quality is doing modeling for the Washington-Baltimore domain in parallel with the larger effort.

MWAQC staff will convene periodic meetings of the Attainment Subcommittee, consisting of state air agency modelers, as needed to review and discuss the photochemical modeling for the Washington nonattainment region. Staff will participate in and track larger scale modeling efforts supported by the Ozone Transport Commission (OTC). Staff will present significant policy issues involving the use of models for the Baltimore-Washington domain to TAC and MWAQC.

Deliverables:

Attainment Modeling Subcommittee
Meetings

Deadline:

As Needed

4. Local Measures

FY2010
\$18,141

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 of fine particles and greenhouse gases, 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 agencies developing innovative voluntary measures. Staff will help with the measurement and evaluation of local measures to be included as voluntary and/or supplemental measures in the State Implementation Plans.

5. Transportation Conformity/ Mobile Emission Analysis

FY2010
\$157,876

MWAQC staff will perform several tasks as part of the transportation/air quality conformity process. Transportation Planning Board (TPB) will propose FY2010-2015 TIP and 2009 CLRP in the summer of 2009. 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 conformity in the Washington region. Staff will coordinate planning the air quality SIP schedule and the TPB TIP conformity schedule.

Staff will take training on the MOVES model to be released in late 2009 and will coordinate with TPB staff to transition to the new model for use in conformity.

Deliverables:

Review and Comment on Transportation
Conformity Analysis
Provide briefings and written reports to
TPB and TPB Tech.Ctte
Training in MOVES

Deadline:

June-July 2009
As needed
Fall/winter 2009

FY2010

6. Public Participation

\$30,163

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.

Deliverables:

AQPAC meetings
Media and public outreach

Deadline:

Monthly, except for August
As needed

FY2010

7. MWAQC/TAC Support

\$108,289

MWAQC Support includes staff support for MWAQC meetings, MWAQC Executive Committee and the Technical Advisory Committee meetings. MWAQC will meet eight to ten times during the year to discuss regulations, guidance and legislation about air quality and climate change issues affecting the Washington region.

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.

Deliverables:

MWAQC meetings (8-10)
June
MWAQC Executive Ctte Calls
Technical Advisory Ctte meetings
Joint Executives/MWAQC Meeting

Deadline:

July, Sept., Oct, Nov, Jan, Feb, Mar,
Monthly
Monthly (no August meeting)
TBD

FY2010

8. Project Management

\$47,942

Staff will prepare a draft work program and budget for the fiscal year 2011, and will work with the MWAQC Budget Subcommittee and MWAQC to get an approved budget in the spring before the fiscal year begins. Staff will provide quarterly financial and status reports to track the progress of implementing the approved work program and budget. Staff will hold

monthly calls with the state air agencies to coordinate use of resources and progress on the SIP.

Staff uses computers extensively in performing analyses, completing written summaries, transmitting information via facsimile modem, downloading information from EPA's Technology Transfer Network, and the Internet for a variety of research needs. Contribution to computer support for project staff and management systems is accounted for in this task. Efforts to provide meeting materials on the Internet may also fall under this task.

Deliverables:

State Air Agency Coordination Calls
Quarterly expense reports and progress
Reports
Draft MWAQC FY 11 Work Program and
Budget
MWAQC FY11 Work Program and Budget

Deadline:

Monthly

Quarterly
October/Nov '09

March 2010 (MWAQC Adoption)

V. Local Government Initiatives

The Local Government Initiatives program has been developed to reflect the needs of COG member local governments. The proposed FY2010 COG Budget includes funding allocated to regional air quality planning that is available for this purpose. These initiatives provide technical support for local government climate change planning, including developing a GHG emissions inventory tool for smaller jurisdictions and an Air Quality and Energy Efficiency Outreach program directed at providing air quality information and explaining COG's Climate Change Report to the media.

FY2010

- **Technical Support for Climate Change Planning**

\$48,424

Staff will provide technical support to a COG Climate Change Planning effort. Technical support will include refinement of a regional greenhouse gas inventory and analysis of measures to reduce greenhouse gases in the region.

COG staff will work with local governments to develop greenhouse gas emissions inventories that are consistent with the regional inventory. The regional method, which is a combination of bottom-up and a top-down approach, will provide a starting point for small jurisdictions that lack the staff and resources to collect data needed for some GHG inventory software packages. Technical workshops or seminars may be offered to introduce the process and tool to COG local government members.

Deliverables:

Support for meetings/reports
Tool for calculating Local Inventories
Training sessions

Deadline:

As needed
Fall 2009
July – Sept. 2009

FY2010

- **Support for Local Government Voluntary Measures** **\$40,350**

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, renewable energy programs, such as purchase of wind energy, and climate change issues.

Deliverables:	Deadline:
Conference calls re new measures	As needed
Survey of progress on implementation	Annual
Tracking sheet for estimating reductions	Updated as needed
Meet local staff to discuss benefits	
Calculations, other issues	As needed

FY2009

- **Air Quality Outreach** **\$24,357**

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. 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. A newsletter will be produced to communicate with MWAQC members, new members, and the public about air quality planning. 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:	Deadline:
Air Currents (newsletter)	Winter issue, if Jan/Feb MWAQC meeting Cancelled
Meetings with print media	As needed
Response to Media Inquires	Ongoing

VI. Proposed Funding Sources and Projected Budget for COG Staff

The proposed MWAQC Work Program for FY2010 is a 12-month work program and budget for the period from July 1, 2009 to June 30, 2010.

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 proposed budget for the core work program is a total of \$473,616. The state air agencies, the state and local departments of transportation and the Transportation Planning Board, and the Council of Governments will each contribute \$157,872. The budget and the one-third contributions are the same as last year FY2008 and FY 2009.

The local government initiatives program is proposed to use COG local funding already allocated to regional air quality planning in the COG FY 2010 budget to support local measures to reduce air pollution and greenhouse gases, air quality outreach to local governments, public and the media. The total proposed budget for local government initiatives is \$113,127. The sum of proposed budgets for the core program and local government initiatives is \$586,746. The amount is two percent higher than the total for FY2009 due to the increase in the Local Government Initiatives budget.

Table 2 presents a breakdown of cost by work program element, as was included in the enclosed work program task descriptions. Table 3 presents the allocation of COG staff time 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. Table 4 provides the staff time and cost of work program tasks by subtask.

Table 1
Proposed MWAQC Funding Contributions by Source FY 10

Source	Approved FY09	Requested FY10	Change
COG	\$157,872	\$157,872	
State/local DOT/TPB	\$157,872	\$157,872	
State Air Agencies			
D.C.DOH	\$19,038	\$19,038	
MDE	\$71,001	\$71,001	
VDEQ	\$67,833	\$67,833	
States. Subtotal	\$157,872	\$157,872	
TOTAL	\$473,616	\$473,616	+\$ 0
Local Govt. Initiatives			
COG local funds	\$100,664	\$113,127	+\$12,463
SUBTOTAL Local Govt. Initiatives	\$100,664	\$113,127	+\$12,463
TOTAL	\$574,280	\$586,746	+ \$12,463

**Proposed FY 2010 Air Quality Work Program Tasks
(Breakdown of Costs by Type)**

Table 2

Work Program Tasks	COG staff (\$)	Consultants(\$)	Direct\$	Total Cost (\$)
1. SIP/Multipollutant Strategy Development	55,249		2,100	\$57,349
2. Emissions Inventory Development	31,349		1,200	\$32,549
3. Attainment Modeling Coordination	19,296	0	1,000	\$20,296
4. Local Measures	17,141		1,000	\$18,141
5. Transportation Conformity/Mobile Emissions Analysis	157,876	0		\$157,876
6. Public Participation	28,163		2,000	\$30,163
7. MWAQC, TAC and Exec. Ctte Support	96,289	0	12,000	\$108,289
8. Project Management	46,946	0	1,000	\$47,942
TOTAL, Core	\$453,327		\$20,296	\$473,619
Local Govt. Initiatives Budget				
Climate Change Meeting Support/Local Inventory Development	45,674		2,750	\$48,424
Local Measures Support	39,600		750	\$40,350
AQ Reporting and Outreach	22,262		2,090	\$24,357
SUBTOTAL, Local Govt. Initiatives	\$107,537		\$5,590	\$113,127
TOTAL	\$560,864		\$25,886	\$586,746

Table 4. Air Quality Work Program Costs by Subtask, 7/1/09-6/30/10

Task/Subtask	Total Hours	Total \$	Total Direct costs	Total Project \$
I. SIP Development				
1. Multipollutant Strategy Dev.	308	31,324	1,600	32,924
2. Control Measures	232	23,925	500	24,425
Subtotal, SIP Development	540	55,249	2,100	57,349
II. Inventory Preparation				
1. Participate in developing tainment modeling inventories	306	31,349	1,200	32,549
Subtotal, Inventory	306	31,349	1,200	32,549
III. Attainment Coordination				
1. Coordinate Attainment Strategies	188	19,296	1,000	20,296
Subtotal, Attainment Modeling	188	19,296	1,000	20,296
IV. Local Measures	170	17,141	1,000	18,141
V. Transp.Conformity/Mobile Em.				
1. Prepare Emissions Factors	622	65,706		65,706
2. Transportation Conformity Coord	764	92,170		92,170
Subtotal, Transp.Conform./Mob.Emm.	1,386	157,876		157,876
VI. Public Participation				
1. AQPAC Meetings (11)	264	20,532	1,500	22,032
2. Media and Public Outreach	72	7,631	500	8,131
Subtotal, Public Partic,Education	444	28,163	2,000	30,163
VII. MWAQC, TAC and Exec Ctte Support				
1.MWAQC Meetings (6)	436	48,574	10,000	58,574
2. Exec. Ctte Meetings (8)	16	2,417	500	2,917
3. TAC Ctte. Meetings (8)	382	38,649	1,500	40,149
4. EPA Region Coord/Consultation	58	6,649	0	6,649

Subtotal, MWAQC Support	892	96,289	12,000	108,289
VIII. Project Management				
1. Dev. Work Program & Billing	479	46,815	996	47,811
2. Quarterly Reports	40	6,042	0	6,042
Subtotal, Project Management	519	52,857	996	53,853
Total, Core	4,241	453,327	20,296	473,616
Local Govt. Initiatives				
1. Climate Change Meeting Support/Local Inventory Development	468	45,674	2,750	48,424
2. Local Measures Support	360	39,600	750	40,350
3. AQ Reporting and Outreach	200	22,262	2,090	24,352
Subtotal, Local Govt Initiatives	1,028	107,537	5,590	113,127
TOTAL	5,269	560,864	25,886	586,746