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

Air Quality Planning
Work Program and Budget

July 1, 2010 through June 30, 2011

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, 2010 and June 30, 2011. 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 to 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

Ozone Standard[1]:
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 was submitted in June 2007. The region has a deadline of June 15, 2010, to meet the 8-hour ozone standard.[2] 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, City of Manassas Park in Virginia; and the District of Columbia.

[1] 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, no longer made 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.

[2] Federal Register, Vol.69, no. 84, April 30, 2004, 23951-24000.

In 2009 EPA approved the Reasonable Further Progress portion of the region's 2007 ozone state implementation plan. The approval established a 2008 Motor Vehicle Emissions budget for use in transportation conformity analysis.[3]

In March 2008 EPA promulgated a new ozone standard of 75 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.[4] In 2009 EPA announced it would reconsider the 2008 ozone standard. In January 2010 EPA proposed to lower the ozone standard to the range of 60-70 ppb. [5] The final ozone standard will be announced in August 2010.

$PM_{2.5}$ Standard ("Fine Particle") : EPA designated the metropolitan Washington region as nonattainment for the 1997 fine particulate standard, $PM_{2.5}$, in January 2005. The state implementation plan adopting all requirements for the fine particulate standard was submitted in 2008.[6] 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 showed compliance ("Clean Data") with the 1997 annual $PM_{2.5}$ standard.[7] The region is in compliance with the new 2008 daily fine particle standard, so will not be required to do attainment planning for the daily standard.

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.

New Standards Proposed: NO_2 and SO_2

EPA proposed two new standards, nitrogen dioxide and sulfur dioxide, in 2009 that will require additional monitoring capability. A new lead standard was proposed in 2008. Based on annual data, the Washington region is in compliance with the proposed lead standard.

In December 2009 EPA proposed a one-hour SO_2 standard within the range of 50-100 ppb. The new standard will require modifications to the existing monitoring network, as the current sulfur dioxide standard is an annual standard. The final sulfur dioxide standard is due in early 2010.

EPA's final NO_2 standard was published on January 25, 2010. It establishes a new 1-hour nitrogen dioxide standard at the level of 100 ppb. The current annual average NO_2 of 53 ppb is unchanged. In urban areas, monitors are required near major roads as well as areas where maximum concentrations are expected. EPA will designate areas as attaining or not attaining the new standard by January 2012 based on the existing community-wide network. Designations will be revised once three years of data from the roadside monitors is available.

[3] Federal Register: September 4, 2009 (Volume 74, Number 171)]
[Page 45853]
[4] Federal Register, Vol.73, no. 60, March 27, 2008, 16436-16513
[5] Federal Register, Vol. 75, No.11, January 19, 2010, 2938-3053.
[6] Federal Register, Vol. 70, No. 3, January 5, 2005, 948-1018.
[7] Federal Register, Vol. 74, No. 7, January 12, 2009, 1146-1148.

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 Leta Mach, Chair (Council, City of Greenbelt), Honorable Jay Fisette Vice Chair (Member, Arlington County Board). Phil Mendelson, Vice Chair, (Council of the District of Columbia), the Honorable John Britton, Vice Chair (Council, City of Rockville). Elections of officers were held on December 9, 2009, the last business meeting of the calendar year.

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 2010 Technical Advisory Committee is chaired by Cecily Beall, District Dept. of Environment.

II. Summary of MWAQC Accomplishments During FY 2009-10

- ***MWAQC commented to EPA on its GHG Endangerment Finding, proposed Renewable Fuels Standard and proposed NO2 NAAQS.***

MWAQC commented on EPA's Greenhouse Gas Endangerment Finding, saying that MWAQC supports a national greenhouse gas reduction program, commenting that "a comprehensive federal approach is essential for addressing climate change."

MWAQC commented on the proposed Renewable Fuels Standard that "while the proposed RFS helps address issues of national concern in enhancing energy security and reducing greenhouse gas emissions, we are also concerned about the potential impact of the proposed rule on regional ground level ozone and particulate matter levels."

MWAQC supported the proposed hourly NO2 standard as providing more health protection. MWAQC also expressed concern about the required increases in monitoring for the standard, saying, "We urge EPA to provide the resources necessary to state and local air monitoring agencies for establishing the NO_2 monitoring network."

- ***EPA approves clean data determination and designates region in attainment for fine particles.***

In 2009, MWAQC submitted a Clean Data Request for the 1997 annual PM2.5 standard. In January, EPA finalized the Clean Data determination and designated the metropolitan Washington region in attainment of the 1997 annual fine particle standard.

In July 2008, EPA proposed to designate Montgomery County and Prince George's County as part of the Baltimore nonattainment area for daily fine particles. MWAQC signed a joint comment letter with TPB and the COG Board of Directors to EPA providing detailed data analysis opposing the EPA proposal. Ultimately EPA agreed with the MWAQC/TPB/COG position and as a result, neither the Washington region nor the Baltimore region was designated as nonattainment, due to observed improvement in air quality.

EPA will issue guidance on preparing a Maintenance Plan for fine particles. A Maintenance Plan will be prepared for continued compliance with the annual fine particle standard.

- ***MOVES Task Force created to transition to new mobile model.***

Planning for the new ozone SIP (2008 NAAQS) requires collaboration on development of an inventory for 2007, the presumed base year for attainment planning. A COG MOVES Task Force was created to prepare for the change to using the new MOVES mobile model instead of MOBILE 6.2. Sensitivity runs were conducted to compare the two models using local data. The final MOVES model was released in December 2009. COG staff is performing sensitivity analyses on the new MOVES model. The Task Force is evaluating different approaches to inputs for use in the model. The model outputs will be used in conformity analyses and for SIP purposes in the 2011-2012 timeframe.

- ***AQPAC membership restructured, mission includes climate change.***

The Air Quality Public Advisory Committee (AQPAC) was restructured in 2009. MWAQC selected members for the 18-member committee and approved new bylaws that expanded the

committee's mission to include climate and energy policy as well as air quality issues. Members have 3-year term limits, staggered over the first three years under the new bylaws. In its first year under the new structure, AQPAC commented on several issues to MWAQC. Comments to MWAQC addressed EPA's proposed NO2 standard. AQPAC commented to the Climate Energy Environment Policy Committee (CEEPC) on the proposed Climate Action Plan for 2012. AQPAC also commented to the Greater Washington 2050 Commission on the performance measure for the region's air quality.

- ***Climate Change and Air Quality Technical Support***

MWAQC staff provided technical support to the Climate Energy Environment Policy Committee, created in 2009 to implement recommendations in COG's Climate Change Report. Staff is analyzing co-benefits of measures to reduce greenhouse gases and air pollutants.

- ***Emissions Inventory***

Planning for the new ozone SIP (2008 NAAQS) has required collaboration on development of an inventory for 2007, the presumed base year for attainment planning. Staff participated on Mid-Atlantic Regional Air Management Association (MARAMA) calls to discuss development of a base year inventory. A COG MOVES Task Force was created to prepare for the change to using the new MOVES mobile model instead of MOBILE 6.2. Sensitivity runs were conducted to compare the two models using local data.

- ***Local Government Initiatives***

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.

MWAQC Work Program Objectives, 2010-11

MWAQC and the States will continue to lay the groundwork for the ozone SIP due in 2013, developing a multipollutant strategy for the Washington, DC-MD-VA region. Control measures

will be evaluated on their ability to reduce ozone, NOx, VOC, SO_2, fine particles and greenhouse gases. 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.

In FY2011 MWAQC Core Program tasks:

- Develop ozone SIP: base year and projection year inventories
- Develop multi-pollutant, multi-sector control strategy for ozone SIP
- Track attainment modeling for ozone SIP
- Prepare for using MOVES model in transportation conformity (2011-2012)
- Prepare mobile emissions for ozone SIP inventories
- Prepare a $PM_{2.5}$ Maintenance Plan; Develop $PM_{2.5}$ inventories for $PM_{2.5}$ Maintenance Plan.
- Evaluate Energy Efficiency and Renewable Energy (EERE) measures for SIP in terms of $PM_{2.5}$ reductions and CO2 reductions
- Track local government Supplemental Measures (former Voluntary Bundle) in the Annual $PM_{2.5}$ and Ozone SIPs
- Develop tracking metrics for regional greenhouse gas emissions (GHG) inventory
- Coordinate air quality planning with state and local Clean Energy programs
- Review transportation conformity analyses for ozone, fine particles and carbon monoxide

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. Close collaboration of MWAQC staff 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
Seven MWAQC meetings are proposed during the 12-month period. Meeting agendas will review and discuss policy implications of federal guidance and proposed revisions of National Ambient Air Quality Standards (NAAQS) for ozone, and will suggest actions to take such as commenting on policies, potentially approving SIP revisions as needed for the region, and reviewing designation criteria and regional data for NAAQS.

This document is intended to guide the activities of the MWAQC through the twelve month period from July 1, 2010 to June 30, 2011. 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 with 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 FY2011 Work Program Task Descriptions

1. State Implementation Planning

FY2011
$55,453

MWAQC and the States will continue to lay the groundwork for the ozone SIP due in 2013. Staff will coordinate with the States to develop a multi-sector, multi-pollutant strategy for the ozone SIP. Measures will be evaluated in terms of their potential to reduce ozone precursors, fine particles and reduce greenhouse gas emissions. Measures such as reduced idling in the nonroad sector, use of low carbon fuels, and regional regulations for Industrial Commercial and Institutional ("ICI") boilers will be considered.

Staff will quantify benefits from Energy Efficiency and Renewable Energy programs/projects (EERE) and propose methods for including such programs in SIPs. 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 air pollutants and greenhouse gases.

In 2009 EPA proposed two new federal air quality standards (NAAQS), for SO_2 and NO_2 . Staff will track concentrations of both pollutants as the states develop recommended designations to EPA in 2011. Staff will report on changes to monitoring networks and data reporting. Staff will brief Technical Advisory Committee (TAC) and MWAQC about EPA's new guidelines and regulations and about state regulatory initiatives as needed.

Specific SIP tasks are described below. 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 if needed. 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 ozone, fine particles, NOx, SO_2, and greenhouse gases. Measures will be evaluated in terms of multipollutant benefits, costs, and reasonableness of adoption and implementation.

Staff will analyze benefits from 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 $PM_{2.5}$, NOx, SO_2, and CO_2.

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: **Deadline:**

Evaluation of EERE measures	September – March 2011
Reports on state legislative activity	April – May, as needed
Maintenance plan outline	Depending on EPA guidance
Coordinate public policies	Forums, calls as needed

2. Emissions Inventory Preparation

FY2011
$24,866

Staff will participate in developing projection year (attainment) inventories for the SIP using EPA's new Nonroad 2008a model and the MOVES model. 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 work closely with the states and TPB staff to develop local inputs for the new MOVES model so that it can be used as soon as possible for SIP work. Staff will develop base year and attainment year inventories for mobile and nonroad sources. Staff will participate in developing area inventories for relevant years.

Staff will refine the regional greenhouse gas emissions inventory, including emissions for NO_2, 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.

If EPA guidance is developed for $PM_{2.5}$, staff will work with the states to develop a maintenance plan for $PM_{2.5}$ that may include inventories, mobile emissions budgets, and a contingency plan. Two out-year inventories, a midyear and a ten year-out inventory, may need to be developed.

Deliverables:	**Deadline:**
Emissions Inventory Subcommittee	Conference calls, meetings as needed

3. Attainment Modeling Coordination

FY2011
$21,300

Attainment modeling for ozone SIPs will be conducted by Regional Planning Organizations such as the 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 a modeling center for both organizations.

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 OTC. Staff will participate in quarterly modeling research

meetings held by the University of Maryland and MDE staff. Staff will present significant policy issues involving the use of models for the Baltimore-Washington domain to TAC and MWAQC.

Deliverables:	**Deadline:**
Attainment Modeling Subcommittee	As Needed
Meetings of UMD/MDE Modeling	Quarterly

4. Local Measures

FY2011
$18,599

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 ozone, 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

FY2011
$157,876

MWAQC staff will perform several tasks as part of the transportation/air quality conformity process. Transportation Planning Board (TPB) will propose FY2011-2016 TIP and 2010 CLRP documents in the summer of 2010. 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 for the air quality SIP schedule and the TPB TIP conformity schedule.

Staff will take training on the MOVES 2010 model and will coordinate with TPB staff to transition to the new model for use in conformity.

Deliverables:	**Deadline:**
Review and Comment on Transportation Conformity Analysis	June-July 2010
Provide briefings and written reports to	

TPB and TPB Tech.Ctte	As needed
MOVES Training	As offered

6. Public Participation

FY2011
$41,214

Staff will support the 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:	**Deadline:**
AQPAC meetings	Monthly, except for August
Media and public outreach	As needed

7. MWAQC/TAC Support

FY2011
$109,996

MWAQC Support includes staff support for MWAQC meetings, MWAQC Executive Committee and the Technical Advisory Committee meetings. MWAQC will meet about seven 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 at a minimum, and more frequently if needed.

Deliverables:	**Deadline:**
MWAQC meetings (6-7)	Sept., Oct, Dec, Jan, Feb, April, June
MWAQC Executive Ctte Calls	Monthly
Technical Advisory Ctte meetings	Monthly (no August meeting)
Joint Executives/MWAQC Meeting	TBD

FY2011

8. Project Management **$44,319**

Staff will prepare a draft work program and budget for the fiscal year 2012, 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, and 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:	**Deadline:**
State Air Agency Coordination Calls	Monthly
Quarterly expense reports and progress Reports	Quarterly
Draft MWAQC FY 12 Work Program and Budget	Nov/Dec ‘10
MWAQC FY12 Work Program and Budget	March 2011 (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 FY2011 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.

FY2011

- **Technical Support for Climate Change Planning** **$56,116**

  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 local government protocols and methodologies that are consistent with the regional inventory. Staff will assist local governments by developing regional GHG emission factors and collecting 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:	**Deadline:**
Support for meetings/reports	As needed
Training sessions	July – Sept. 2010

FY2011

- **Support for Local Government Voluntary Measures** **$25,949**

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

- **Air Quality and Climate Change, Reporting and Outreach** **FY 2011 $36,752**

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, climate change, 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/annual report 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 have 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 FY 2011 is a 12-month work program and budget for the period from July 1, 2010 to June 30, 2011.

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 FY 2008, FY 2009, and FY 2010.

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 as well as air quality outreach to local governments, the public, and the media. The total proposed budget for local government initiatives is $118,818. The sum of proposed budgets for the core program and local government initiatives is $592,434. The amount is one percent higher than the total for FY2010 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 Table 2. Table 4 provides the staff time and cost of work program tasks by subtask.

Table 1
Proposed MWAQC Funding Contributions by Source FY 11

Source	Approved FY10	Requested FY11	Change
COG	$157,872	$157,872	
State/local DOT/TPB	$157,872	$157,872	
State Air Agencies			
DDOE	$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	$113,127	$118,818	+$5,691
SUBTOTAL Local Govt. Initiatives	$113,127	$118,818	+$5,691
TOTAL	$586,746	$592,434	+ $5,691

Proposed FY 2011 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	53,703		1,750	$55,453
2. Emissions Inventory Development	24,366		500	$24,866
3. Attainment Modeling Coordination	20.900	0	400	$21,300
4. Local Measures	17,141		1,000	$18,141
5. Transportation Conformity/Mobile Emissions Analysis	157,834	0	42	$157,876
6. Public Participation	38,614		2,600	$41,214
7. MWAQC, TAC and Exec. Ctte Support	101,571	0	8,422	$109,993
8. Project Management	44,480	0	839	$47,946
TOTAL, Core	$458,410		$15,206	$473,619
Local Govt. Initiatives Budget				
Climate Change Meeting Support/Local Inventory Development	52,771		3,345	$56,116
Local Measures Support	25,199		750	$25,949
AQ Reporting and Outreach	34,734		2,018	$36,752
SUBTOTAL, Local Govt. Initiatives	$112,704		$6,113	$118,817
TOTAL	$571,114		$21,319	$592,433

Table 3. Air Quality Work Program Costs by Subtask, 7/1/10-6/30/11

Task/Subtask	*Total Hours*	*Total $*	*Total Direct costs*	Total Project $
I. SIP Development				
1. Multipollutant Strategy Dev.	290	27,884	750	28,634
2. Control Measures	270	25,819	1,000	26,819
Subtotal, SIP Development	560	53,703	1,750	55,453
II. Inventory Preparation				
1.Participate in developing attainment modeling inventories	260	24,366	500	24,866
Subtotal, Inventory	260	24,366	500	24,866
III. Attainment Coordination				
1. Coordinate Attainment Strategies	220	20,900	400	21,300
Subtotal, Attainment Modeling	220	20,900	400	21,300
IV. Local Measures	180	17,941	658	18,599
V. Transp.Conformity/Mobile Em.				
1. Prepare Emissions Factors	687	66,992	42	67,034
2. Transportation Conformity Coord	778	90,842		90,842
Subtotal, Transp.Conform./Mob.Emm.	1,465	157,834	42	157,876
VI. Public Participation				
1. AQPAC Meetings (11)	338	31,256	2,200	33,456
2. Media and Public Outreach	72	7,358	400	7,758
Subtotal, Public Partic,Education	410	38,614	2,600	41,214
VII. MWAQC, TAC and Exec Ctte Support				
1.MWAQC Meetings (6)	532	50,480	7,424	57,902
2. Exec. Ctte Meetings (8)	16	2,325	0	2,325
3. TAC Ctte. Meetings (8)	404	41,593	1,000	42,593
4. EPA Region Coord/Consultation	66	7,174	0	7,174
Subtotal, MWAQC Support	1,018	101,572	8,424	109,994

VIII. Project Management				
1. Dev. Work Program & Billing	443	36,797	839	37,636
2. Quarterly Reports	46	6,683	0	6,683
Subtotal, Project Management	489	43,480	839	44,379
Total, Core	***4,602***	***458,410***	***15,206***	***473,616***
Local Govt. Initiatives				
1. Climate Change Meeting Support/Local Inventory Development	788	52,771	3,345	56,116
2. Local Measures Support	251	25,199	750	25,949
3. AQ Reporting and Outreach	557	34,734	2,018	36,752
Subtotal, Local Govt Initiatives	**1,596**	**112,704**	**6,113**	**118,817**
TOTAL	**6,198**	**571,114**	**21,326**	**592,433**