METROPOLITAN WASHINGTON AIR QUALITY COMMITTEE
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DRAFT

Air Quality Planning
Work Program and Budget

July 1, 2012 through June 30, 2013

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, 2012 and June 30, 2013. 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

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] In 2008 EPA announced a new ozone standard of 75 ppb. 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.

[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] EPA postponed announcement of the revised ozone standard until July 2011, at which time the President decided to keep the 2008 standard of 75 ppb. EPA will issue implementation guidance and nonattainment designations in 2012.

$PM_{2.5}$ 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. EPA planned to propose a new $PM_{2.5}$ standard in the spring 2011, but that proposal is being delayed. In spring 2012 MWAQC and the States requested EPA to redesignate the Washington region to attainment of the $PM_{2.5}$ standard. For $PM_{2.5}$, the test for conformity assessment is the "build no greater than 2002" interim emissions test.

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

[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.

maximum concentrations are expected. In January 2012 EPA determined that no area in the country is violating the 2010 national air quality standards for nitrogen dioxide. The areas have been designated as "unclassifiable/attainment." EPA is working with the state and local air agencies to put in place additional NO_2 roadside monitors that were required, and the network is expected to be operational in 2013. Designations will be revised once three years of data from the roadside monitors is available.

Membership on MWAQC

Membership on MWAQC consists of representatives from twenty-two 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, (Council of the District of Columbia); Honorable Jay Fisette Vice Chair (Member, Arlington County Board); Honorable Karen Young, Vice Chair (Alderman, City of Frederick). Elections of officers were held on December 14, 2011, 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 2012 Technical Advisory Committee is chaired by Tom Ballou, Virginia Dept. of Environmental Quality (VDEQ).

II. Summary of MWAQC Accomplishments During FY 2011-FY 2012

•*MWAQC Commented on EPA's Cross State Air Pollution Control Rule*

EPA proposed the Cross-State Air Pollution Control Rule to address air pollution transported across state borders. MWAQC supported the rule, saying the rule "finally ends decades of failure to control air pollution at its source. For too long, highly polluting facilities located upwind have been allowed to pollute major metropolitan areas with impunity." The rule would require significant reductions in sulfur dioxide and nitrogen oxide emissions that cross state lines by 2014.

- ***MWAQC Commented on Conformity Analysis for 2011 CLRP***

Conformity was tested against the one-hour ozone mobile emissions budgets as well as the newly approved 8-hour reasonable further progress mobile budgets in the region's SIP. The conformity assessment of the 2011 CLRP showed current and future mobile emissions lower than the ozone budgets and lower than the 2002 $PM_{2.5}$ emissions, which is the required test. MWAQC urged state and local government to maintain their commitments to emission reduction measures. As in past analyses, emissions decline significantly over time, but between 2030 and 2040, emissions begin to increase slightly as the fleet continues to grow. This suggests the need for new control programs to give benefits into the future.

- ***PM2.5 Redesignation Request and Maintenance Plan Developed***

MWAQC and the States completed a $PM_{2.5}$ Redesignation Request and Maintenance Plan for the 2007 Fine Particle standard. EPA is expected to act on the Redesignation Request in 18 months and, if they approve the Request and Maintenance Plan, the Metropolitan Washington region will be officially in attainment of the federal standard for fine particles. COG staff completed NOx, SO_2 and $PM_{2.5}$ area, point source, nonroad and mobile (MOVES) inventories for 2002, 2007, 2017, and 2025. The Redesignation Request and Maintenance Plan is the first official application of the MOVES mobile emissions model in the Metropolitan Washington region.

•*ACPAC*

The Air Quality Public Advisory Committee (AQPAC) expanded its membership and actively engaged in advising about air quality forecasting methodology, locations of air quality monitors, and distribution of air quality information. The Committee gave input on transportation performance measures and sustainability checklist issues.

- ***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 worked with area utilities on a format for reporting progress on regional climate and energy initiatives. Staff received data from utilities in 2011 for 2010. The data is used to measure progress on reducing greenhouse gas emissions from the 2005 baseline. In 2011 a Tree Canopy Work Group was formed to develop a Tree Canopy Management Strategy.

- ***Local Government Initiatives***

Staff surveyed the local governments regarding their progress on implementing commitments to local non-regulatory programs as part of a bundle of voluntary programs in the regional State Implementation Plan. 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.

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.

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

MWAQC Work Program Objectives, 2012-13

MWAQC and the States will continue to lay the groundwork for the ozone SIP due in 2015, 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. Coordinating air quality planning with state and local Clean Energy programs will continue to be a focus.

In FY2013 MWAQC Core Program tasks::

- Plan for ozone control measures, SIP for 2008 Ozone NAAQS
- Develop ozone inventories for new SIP
- Track attainment modeling for ozone SIP
- Support multi-pollutant, multi-sector control strategy for ozone SIP
- Use MOVES model in transportation conformity
- Develop MOVES mobile inventories for ozone SIP
- Track local government Supplemental Measures (formerly 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 local government initiatives or "regional measures," included in the work program, to be funded by COG member contributions included in COG's FY2013 work program and budget. These initiatives include providing technical support to the Climate Energy Environment Policy Committee, providing technical support for local

government climate change planning, and an air quality and energy efficiency outreach program directed at providing air quality information and explaining COG's climate change initiative to the media and the public. MWAQC staff will seek Diesel Emissions Reduction Act funding for projects in the Metropolitan Washington Region.

Role of COG/MWAQC Staff

The lead role for administrative and technical support to MWAQC is held by COG/MWAQC staff. Close collaborate closely 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

Six MWAQC meetings are proposed during the 12-month period. Meetings will review and discuss policy implications of federal guidance and proposed revisions of National Ambient Air Quality Standards (NAAQS) for ozone, and to take actions such as commenting on guidance, policies and potentially approving SIP revisions as needed for the region and to review 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, 2012 to June 30, 2013. 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. SIP/Multipollutant Strategy Development
2. Emissions Inventory Development
3. Local Measures
4. Transportation Conformity
5. Public Participation
6. MWAQC/TAC Support
7. Program Management/Reporting

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 FY2013 Work Program Task Descriptions

	FY2013
1. SIP/Multipollutant Strategy Development	**$43,607**

The main focus areas will be ozone planning and a multipollutant approach to control measures. MWAQC will plan to meet Clean Air Act and EPA requirements for attaining the 2008 ozone standard. In 2011 EPA is proposed that the Metropolitan Washington region be classified as "marginal" nonattainment of the 75 ppb standard. EPA will issue implementation guidance for and will designate nonattainment areas in mid-2012.

MWAQC and the States will work on developing a new ozone SIP, following EPA guidance issued in 2012. Staff will develop base year and attainment year inventories for the ozone SIP. 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. Staff will track OTC/MARAMA ozone inventory development and photochemical modeling.

MWAQC and the States are unofficially in attainment of the 1997 $PM_{2.5}$ standards and expect EPA to act on the region's $PM_{2.5}$ Redesignation Request and Maintenance Plan by fall 2013.[8] The EPA Administrator decided not to lower the $PM_{2.5}$ annual standard, but this action is being litigated and EPA's action could change. If EPA lowers the $PM_{2.5}$ standard to 11 u/m^3 the region would have to revisit its $PM_{2.5}$ planning.

Staff will track the new NO_2 and SO2 standards and rulemakings for Tier 3, Air Toxics, and proposed changes in the $PM_{2.5}$ standard. Staff will track issues such as Tier 3, Cross State Air Pollution Rule, roadside monitoring networks and implications for local governments. Staff will quantify benefits from Energy Efficiency and Renewable energy programs and projects, in coordination with state and local energy offices and state air quality agencies. Staff will brief Technical Advisory Committee (TAC) and MWAQC about EPA's new guidelines, rules and regulations and about state regulatory initiatives as needed.

Specific SIP tasks are described below.

- **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 research measures to achieve a 30-40 percent reduction in NOx for future ozone attainment.

Staff will analyze benefits from Energy Efficiency and Renewable Energy programs and projects (EERE) for inclusion future SIPs. Staff will coordinate efforts with the state and

[8] The EPA approval date for the PM2.5 Redesignation Request and Maintenance Plan is based on a schedule of submitting the documents to EPA by March 2012. If submitted later, EPA will approve later. EPA may take 18 months to approve the Request and Maintenance Plan.

local energy offices and state air quality agencies. Projects will be analyzed in terms of providing benefits for 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:**
Analysis of measures to achieve 30-40% NOx Reduction	October 2012
Reports on state legislative activity	As needed
Coordinate public policies	Forums, calls as needed

2. Emissions Inventory Preparation/ Attainment Modeling

FY2013
$41,236

Staff will use the MOVES model to develop base year and future year inventories for the the ozone SIP. Staff will participate with MARAMA on development of area source inventories for if EPA's implementation guidance requires inventories for years other than the ones developed for attainment modeling. Staff will participate in OTC/MARAMA inventory development and provide input data to them on behalf of the state air agencies. Staff will convene meetings of the Emissions Inventory Committee as needed to discuss new methodologies and issues as they arise.

Attainment modeling for ozone SIPs will be 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 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 participate in quarterly modeling research meetings held by the University of Maryland and MDE staff. Staff will participate in and track larger scale attainment modeling efforts supported by Ozone Transport Commissions (OTC). Staff will present significant policy issues involving the use of models for the Baltimore-Washington domain to TAC and MWAQC.

EPA revised the primary SO_2 standard, published in Federal Register, June 22, 2010, by establishing a new 1-hour standard at a level of 75 parts per billion (ppb). EPA asked states with "Unclassifiable" counties to submit a "Maintenance" SIP by June 2013. This State SIP is expected to include a refined air quality modeling to demonstrate that all sources contributing to

monitored and modeled violations of the new standard, or that have the potential to cause or contribute to a violation, will be sufficiently controlled to ensure timely attainment and maintenance of the new SO2 standard. Based on the draft implementation guidance, it is expected that all major point sources (emitting greater than 100 tpy of SO2) around Washington, D.C. will be modeled for this purpose using the maximum allowable emissions and federally enforceable limits and an EPA approved dispersion model. States have until August 2017 to attain the standard. The States have primary responsibility for developing the Maintenance SIPs which will include monitoring and modeled data. The work program for FY 2013 does not support the states' SO_2 planning, but the situation could change if the States request assistance.

Specific tasks are described below:

Deliverables:	**Deadline:**
Emissions Inventory Subcommittee	Conference calls, meetings as needed
Ozone base year, attainment year Inventories	Depending on EPA Revised Ozone NAAQS TBD
Attainment Modeling Subcommittee	As Needed
Meetings of UMD/MDE Modeling	Quarterly

3. Local Measures Coordination

FY2013
$23,016

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 precursors, fine particles, NO_2 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 Plan.

Also as part of this initiative, staff will convene a regional workgroup to develop a draft regional tree canopy management plan. MWAQC staff will seek Diesel Emissions Reduction Act funding for projects in the Metropolitan Washington Region.

The Obama sustainability executive order requires military bases to coordinate plans with communities. Each base is supposed to develop 25 year energy/sustainability plans, MWAQC could try to bridge the gap or at least facilitate some sharing/collaboration.
Staff will work with military bases in the region to assess potential for deployment of clean energy to power both base as well as surrounding community. Staff will host a workshop, and invite base command, military energy task forces, and other experts.

Deliverables:	**Deadline:**
Regional Tree Canopy Workgroup	Monthly
Annual Progress Report Survey	March 2013
Update Local Voluntary Bundle for SIPs	Spring 2013

Update local measures in RACM	Spring 2013
Draft Regional Tree Canopy Management Strategy	Fall 2012

4. Transportation Conformity/ Mobile Emission Analysis

FY2013
$157,872

MWAQC will review and comment on the conformity analysis for the 8-hour ozone, $PM_{2.5}$ and carbon monoxide standards. The Transportation Planning Board (TPB) will propose FY 2014-2019 Transportation Improvement Plan (TIP) and 2013 Constrained Long Range Plan (CLRP) in the spring of 2013. MWAQC staff will review MOVES onroad inputs, inputs files and output files containing emissions rates and inventories developed by TPB staff for the base years and analysis years 2020, 2030 and 2040. 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 the TPB Technical Committee about EPA regulations, new air quality standards, and guidance as they apply to conformity in the Washington region.

MWAQC staff will work closely with COG Transportation Planning staff to develop inputs for the 2014-2019 TIP and 2013 CLRP using COG's new Travel Demand Model with MOVES.

Deliverables:	**Deadline:**
Comment on Conformity Scope	January 2013
Comment on Transportation Conformity Analysis	June 2013
Provide briefings and written reports to TPB and TPB Tech.Ctte	As needed
MOVES Training	As offered

5. Public Participation/ACPAC

FY2013
$49,586

Staff will support the Air and Climate Public Advisory Committee (ACPAC), 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. ACPAC will meet monthly except for August. Staff will respond to requests from the public and the media for air quality information.

Deliverables:	**Deadline:**
ACPAC meetings	Monthly, except for August
Media and public outreach	As needed

FY2013

6. MWAQC/TAC Support $110,217

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.

Staff will provide technical support to the Climate Energy Environment Policy Committee (CEEPC). Technical support to CEEPC is expected to include evaluating measures to meet the 2020 GHG emissions targets, improving the greenhouse gas emissions inventory and developing metrics to measure progress on the target. With a goal of coordinating regional efforts with state and federal government efforts, COG staff will track climate change-related legislation in the state legislatures, the District, and in Congress.

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

FY2013

7. Project Management $48,098

Staff will prepare a draft work program and budget for the fiscal year 2014, 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:	**Deadline:**
State Air Agency Coordination Calls	Monthly
Quarterly expense reports and progress Reports	Quarterly

Draft MWAQC FY 14 Work Program and Budget	Dec ‘12
MWAQC FY14 Work Program and Budget	March 2013 (MWAQC Adoption)

V. Regional Measures

The Regional Measures program has been developed to reflect the needs of COG member local governments. The proposed FY2013 COG Budget includes funding allocated to regional air quality planning that is available for this purpose. These measures provide technical support for local government climate change planning, including developing a GHG emissions inventory tools and data for smaller jurisdictions and an Air Quality and Energy Efficiency Outreach program directed at promoting clean energy use and energy efficiency, and explaining COG's Climate Change Report and Climate and Energy Action Plan to the media.

FY2013

- **Technical Support for Climate Change Planning** **$55,015**

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 gas emissions 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. Technical workshops or seminars will be offered to introduce the ICLEI inventory tools to COG local government members.

Deliverables:	**Deadline:**
Support for meetings/reports	As needed
Training sessions	As requested

FY2013

- **Support for Local Government Voluntary Measures** **$30,676**

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. Staff will provide technical assistance on microgrid, combined heat and power/ and district energy policy issues such as permitting, siting and legal hurdles. Staff will coordinate regional collaborate purchases of solar power, working with EPA's Green Communities program.

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

Deliverables:	**Deadline:**
Conference calls re new measures	As needed
Meet local staff to discuss benefits Calculations, other issues	As needed

- **Air Quality and Climate Change, Reporting and Outreach** **FY 2013 $24,128**

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. 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:**
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 2013 is a 12-month work program and budget for the period from July 1, 2012 to June 30, 2013.

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 have remained the same every year since FY 2008.

The Regional Measures program is proposed to use COG local funding allocated to regional air quality planning in the COG FY 2013 budget for the purpose of supporting 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 $109,818. The sum of proposed budgets for the core program and local government initiatives is $583,434.

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 and subtasks described in this document. These estimates provide funding or partial funding for the anticipated staff positions as shown in Table 2.

Table 1

Proposed MWAQC Funding Contributions by Source FY 2013

Source	**Approved FY12**	**Requested FY13**	**Change**
COG	$157,872	$157,872	
State/local DOT/TPB	$157,872	$157,872	
State Air Agencies			
DDOE	$19,038	$18,945	
MDE	$71,001	$71,042	
VDEQ	$67,833	$67,885	
States. Subtotal	$157,872	$157,872	
Carryover from FY11	$39,400		-$39,400
TOTAL	$513,016	$473,616	-$39,400
Regional Measures			
COG local funds	$110,017	$109,818	- $199
SUBTOTAL Local Govt. Initiatives	$110,017	$109,818	- $199
TOTAL	$623,033	$583,434	-$39,599

Table 2
Proposed FY2013 Air Quality Work Program Tasks
(Breakdown of Costs by Type)

Work Program Tasks	COG staff ($)	Consultants($)	Direct$	Total Cost ($)
1. SIP Development/Multi-pollutant Strategy	42,033		1,574	$43,607
2. Emissions Inventory Development	40,636		600	$41,236
3. Local Measures	22,716	0	300	$23,016
4. Transportation Conformity/Mobile Emissions Analysis	157,872	0		$157,872
6. ACPAC, Public Participation	48,067		1,519	$49,586
7. MWAQC, TAC and Exec. Ctte Support	99,683	0	10,534	$110,217
8. Project Management	47,598	0	500	$48,098
TOTAL, Core	$458,589		$15,027	$473,616
Regional Measures				
CEEPC Support	52,015		3,000	$55,015
Local Measures Support	30,074		602	$30,676
AQ Reporting and Outreach	23,656		472	$24,128
SUBTOTAL, Regional Measures	$105,248		$4,074	$109,818
TOTAL	$564,333		$19,101	$583,434

Table 3. Air Quality Work Program Costs by Subtask, 7/1/12-6/30/13

Task/Subtask	*Total Hours*	*Total $*	*Total Direct costs*	Total Project $
I. Multipollutant StrategyDevelopment				
Multipollutant Strategy Dev.	382	42,033	1,574	43,607
Subtotal,	382	42,033	1,574	43,607
II. Emissions Inventories				
Preparation of emissions inventories	372	40,636	600	41,236
Subtotal, Inventory	372	40,636	600	41,236
III. Local Measures	210	22,716	300	23,016
IV. Transp.Conformity/Mobile Em.				
1. Prepare Emissions Factors	580	63,531	0	63,531
2. Transportation Conformity Coord	770	94,324	0	94,324
Subtotal, Transp.Conform./Mob.Emm.	1,351	157,875	0	157,875
V. Public Participation				
1. AQPAC Meetings (11)	451	37,553	1,080	38,633
2. Media and Public Outreach	100	10,514	439	10,953
Subtotal, Public Partic,Education	551	48,067	1,519	49,586
VI. MWAQC, TAC and Exec Ctte Support				
1.MWAQC Meetings (6)	404	41,285	6,550	47,835
2. Exec. Ctte Meetings (8)	45	4,820	0	4,820
3. TAC Ctte. Meetings (8)	392	39,166	3,984	43,150
4. EPA Region Coord/Consultation	128	14,412	0	14,412
Subtotal, MWAQC Support	969	99,683	10,534	110,217
VII. Project Management				
1. Work Program, Financial Reporting & Billing	390	48,598	500	48,098
Subtotal, Project Management	390	48,598	500	48,098
Total, Core	***4,214***	***458,589***	***15,011***	***473,616***

Regional Measures				
1. Climate Change Meeting Support	436	52,015	3,000	55,015
2. Local Measures Support	251	30,074	602	30,676
3. AQ Reporting and Outreach	190	23,656	472	24,128
Subtotal, Regional Measures	**877**	**105,248**	**4,074**	**109,818**
TOTAL	**5,091**	**564,333**	**$19,101**	**583,434**