METROPOLITAN WASHINGTON AIR QUALITY COMMITTEE
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DRAFT

Air Quality Planning
Work Program and Budget

July 1, 2013 through June 30, 2014

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, 2013 and June 30, 2014. 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 met the June 15, 2010, deadline 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 Park in Virginia, 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.77, no. 39, February 28, 2012, 11739.

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 attainment 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.

In May 2012 EPA designated the Washington, DC-MD-VA Metropolitan Area as "Marginal" nonattainment for the 2008 ozone standard, along with most of the northeastern states. The Baltimore Metropolitan area was one exception; EPA designated Baltimore "Moderate" nonattainment and the area has until 2018 to attain the standard. The Washington region and all Marginal nonattainment areas have a deadline of 2015 to attain the 75 ppb standard.

$PM_{2.5}$ Standard ("Fine Particles"): 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 2008 daily fine particle standard, so will not be required to do attainment planning for the daily standard.

On December 14, 2012, EPA announced a revised annual fine particulate standard, $PM_{2.5,}$ set at 12 ug/m^3 .[8] No change was proposed for the daily NAAQS (35 ug/m^3). The Metropolitan Washington region's level of fine particles for 2011 and data for 2012 are below the new standard, so the region currently meets the new 2012 standard as well as the 1997 standard.

In spring 2013 MWAQC and the States requested EPA to redesignate the Washington region to attainment of the 1997 $PM_{2.5}$ standard. EPA has eighteen months to act on the redesignation. Until EPA redesignates the region, the test for $PM_{2.5}$ conformity assessment is the "build no greater than 2002" interim emissions.

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.

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[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.
[8] Federal Register, Vol. 78, No.10, January 15, 2013, 3086-3285.

SO_2 National Ambient Air Quality Standard

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). States have until August 2017 to attain the standard. EPA initially asked States with "Unclassifiable" counties to submit a "Maintenance" SIP by June 2013. EPA also published a draft implementation guidance for this purpose. However, based on the feedback received on the above guidance from states, EPA is currently in the process of revising the guidance. EPA is not expecting the June 2013 SIP submittal from states. The revised guidance would include changes to the monitoring and modeling requirements from the draft guidance for attainment designations and SIP. The States have primary responsibility for developing the Maintenance SIPs.

NO_2 National Ambient Air Quality Standard

EPA's final NO_2 standard was published on January 25, 2010. It establishes a 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. 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. The monitoring network was expected to be operational in 2013, but EPA proposed in October 2012 to postpone the monitoring requirement until 2014. 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 Leta Mach, Chair (Councilmember, City of Greenbelt; Honorable Jay Fisette, Vice Chair (Member, Arlington County Board); Honorable

Phil Mendelson, Vice Chair (Council of the District of Columbia); Honorable Hans Reimer, Vice Chair (Councilmember, Montgomery County Council). Elections of officers were held on December 19, 2012, 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 resolves difficult issues if needed to ensure the mutual goals of improved air quality and efficient transportation are met.

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 the 2013 Technical Advisory Committee is chaired by Cecily Beall, District Dept. of Environment.

II. Summary of MWAQC Accomplishments During FY 2012-FY 2013

- ***MWAQC Approved a PM2.5 Redesignation Request and Maintenance Plan for Public Comment***

MWAQC and the States completed a $PM_{2.5}$ Redesignation Request and Maintenance Plan for the 1997 Fine Particle standard. MWAQC and the States will submit the Redesignation Request and Maintenance Plan to EPA in Spring 2013. EPA is expected to act on the Redesignation Request within 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.

- ***MWAQC Commented on Conformity Analysis for 2012 CLRP***

Conformity was tested against the approved 8-hour reasonable further progress mobile budgets in the region's SIP. The conformity assessment of the 2012 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 ages and Vehicle Miles Traveled (VMT) continues to grow. This suggests the need for new control programs to give benefits into the future.

- ***ACPAC***

The Air and Climate Public Advisory Committee (ACPAC) 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 MWAQC agenda items and advised MWAQC on draft mobile emissions budgets for the PM2.5 Maintenance Plan. The Committee discussed new CAFÉ standards for 2017-2025 model year cars, a proposed Maryland transportation planning regulation addressing greenhouse gas emissions, and the Regional Greenhouse Gas Initiative (RGGI).

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 2012 for 2011. The data is used to measure progress on reducing greenhouse gas emissions from the 2005 baseline. Staff explored methodologies for incorporating energy efficiency projects in the State Implementation Plan for EPA credit.

- ***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.

- ***Initiative to Coordinate with Military Bases to Promote Renewable Energy and Reduce NOx***

A conference was held at COG on July 24,2012, a "DOD Clean Energy Community Collaborative," with an expert panel representing the three branches of the armed forces and the Federal Environmental Executive from the Council on Environmental Quality. Staff is arranging to follow the conference with a potential pilot collaboration project.

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 (ACPAC) 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, 2013-14

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 FY2014 MWAQC Core Program tasks::

- Plan for ozone control measures, groundwork for Reasonable Further Progress plan to attain the 2008 Ozone NAAQS
- Develop ozone inventories for 2011/2012
- Track attainment modeling for ozone for 2018/2020
- Support multi-pollutant, multi-sector control strategy for ozone SIP
- MOVES2013 model training, input development
- Develop MOVES2013 mobile inventories for ozone RFP, SIP
- Track local government Supplemental Measures (formerly Voluntary Bundle) in the Annual $PM_{2.5}$ and Ozone SIPs.
- Quantify benefits of local energy efficiency projects for SIP credit
- 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

Regional Measures
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 FY2014 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 is currently managing Diesel Emissions Reduction Act (DERA) projects and will seek Diesel Emissions Reduction Act funding for new projects in FY2014.

Role of COG/MWAQC Staff
The lead role for administrative and technical support to MWAQC is held by COG/MWAQC staff. Close collaboration between MWAQC staff and 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. The Committee 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, 2013 to June 30, 2014. 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 FY2014 Work Program Task Descriptions

1. SIP/Multipollutant Strategy Development

FY2014
$39,932

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. The Metropolitan Washington region is classified as "marginal" nonattainment for the 75 ppb standard and has a deadline of 2015 to meet the standard.

MWAQC and the States will work on laying the groundwork for a Reasonable Further Progress (RFP) or attainment plan for the 2008 ozone standard which may be needed if the region fails to attain by 2015 as shown by monitoring data beginning in the summer of 2013. Staff will develop base year inventories as a Marginal NAA requirement. Staff will coordinate with the States to develop a multi-sector, multi-pollutant strategy for a future 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.

Data show MWAQC and the States have achieved compliance with the 1997 $PM_{2.5}$ standards. EPA is expected to act on the region's $PM_{2.5}$ Redesignation Request and Maintenance Plan by September 2014.[9] In December 2012 the EPA Administrator lowered the $PM_{2.5}$ annual standard to 12 ug/m^3. EPA will designate nonattainment areas for the new standard in December 2014. The Governers will recommend the Metropolitan Washington Region be designated as attainment for the new standard because the region's 2011 design value is 10.8 ug/m^3, below the new standard, and fine particle levels in the region are expected to continue to decline.

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 track the SO2 standards and rulemakings for Tier 3, Cross State Air Pollution Rule, roadside monitoring networks and implications for local governments. Staff will brief Technical Advisory Committee (TAC) and MWAQC about EPA's new guidelines, proposed federal and state regulatory initiatives affecting the region, and develop comment letters as required.

Specific SIP tasks are described below.

- **Multipollutant Strategy**

Staff will develop a preliminary ozone Rate of Progress Plan having a strategy to reduce ozone precursors, NOx and VOC. Measures will be evaluated in terms of costs, reasonableness of adoption and implementation, and co-benefits which reduce other pollutants such as fine particles, NOx, and SO_2.

[9] The estimated EPA approval date for the Metropolitan Washington Region's PM2.5 Redesignation Request and Maintenance Plan is based on a schedule of submitting the documents to EPA by March 2013. EPA may take 18 months to approve the Request and Maintenance Plan.

Staff will analyze benefits from Energy Efficiency and Renewable Energy programs and projects (EERE) for inclusion in future 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 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:**
Develop prelim. Ozone 15% Rate of Progress Plan	June 2014
Reports on state legislative activity	As needed
Coordinate public policies	Forums, calls as needed

2. Emissions Inventory Preparation/ Attainment Modeling

FY2014
$39,132

For the 2008 ozone standard, marginal areas are required to develop an emissions inventory for 2011 or 2012. Staff will coordinate with the states to develop a base year inventory (point, area, nonroad, and onroad sources) to meet the requirements. Staff will use the MOVES model to develop the base year inventory for onroad mobile sources and Nonroad/NMIM model for nonroad mobile sources for the above effort. Staff will coordinate with states on development of point and area source inventories. Staff will coordinate with the states to develop future year projection inventories.

Staff will develop methods to track progress of the regional greenhouse gas emissions inventory. Staff will participate in OTC/MARAMA inventory development to keep track of various VOC and NOx control measures being adopted by states to reduce ozone. Staff will use this information to develop controlled future year inventories for the ozone SIP.

Attainment modeling for ozone SIPs will be conducted by Regional Planning Organizations such as the Ozone Transport Commission (OTC). Staff will participate in and track larger scale attainment modeling efforts supported by Ozone Transport Commissions (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.

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. EPA is currently revising the guidance for this standard. The revised guidance will include changes to the monitoring and modeling requirements for attainment designations and SIP. 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 2014 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:**
-Develop 2011 Base Year Inventory for 75 ppb/ 2008 Ozone NAAQS (RFP)	December 2013
-Develop future year projection inventories for RFP	June 2014
Emissions Inventory Subcommittee -Calls to coordinate inventories for 2011 And future years	Conference calls
Attainment Modeling Subcommittee	As Needed
Meetings of UMD/MDE Modeling	Quarterly

3. Local Measures Coordination

FY2014
$23,932

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 participates with the regional Tree Canopy Workgroup that will be issuing a report on regional tree canopy management. MWAQC staff will continue to manage Diesel Emissions Reduction Act (DERA) projects and seek funding for new projects.

The Obama sustainability executive order requires military bases to coordinate plans with communities. Each base is supposed to develop 25 year energy/sustainability plans. 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 seek a partner military base to work with in this effort.

Deliverables:	**Deadline:**
Regional Tree Canopy Workgroup	Monthly
Annual Progress Report Survey	March 2014
Update Local Voluntary Bundle for SIPs	Spring 2014
Update local measures in RACM	Spring 2014
Draft Regional Tree Canopy Management Strategy	July 2013
Achieve partnership with military	Spring 2014

FY2014

4. Transportation Conformity/ Mobile Emission Analysis — $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 2015-2020 Transportation Improvement Program (TIP) and 2014 Constrained Long Range Plan (CLRP) in the spring of 2014. 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 2015, 2017, 2025, 2030 and 2040. The Conformity Subcommittee will review proposed transportation projects, amendments to the Transportation Improvement Program, 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 2015-2020 TIP and 2014 CLRP using TPB's current Travel Demand Model with MOVES.

Staff will use MOVES models to develop onroad source inventories respectively for a typical ozone season day for base year and future year inventories for the ozone SIP. Staff will coordinate with state air agencies and TPB staff regarding MOVES inputs. Staff will develop meteorology inputs for MOVES for both base year and future year.

Deliverables:	**Deadline:**
Comment on Conformity Scope	January 2014
Comment on Transportation Conformity Analysis	June 2014
Provide briefings and written reports to TPB and TPB Technical Committee	As needed
MOVES2013 Training	As offered

FY2014

5. Public Participation/ACPAC **$52,565**

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
Member recruitment, orientation	December-February

FY2013

6. MWAQC/TAC Support **$110,614**

MWAQC Support includes staff support for MWAQC meetings, MWAQC Executive Committee and the Technical Advisory Committee meetings. MWAQC will meet about six times during the year to discuss regulations, guidance and legislation about air quality and climate change issues affecting the Washington region and to comment or act on proposed plans.

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)	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

FY2014

7. Project Management **$43,316**

Staff will prepare a draft work program and budget for the fiscal year 2015, 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
MWAQC Budget Committee	Meetings, calls as needed
Draft MWAQC FY2015 Work Program and Budget	December 2013
Adopt MWAQC FY2015 Work Program and Budget	March 2014

V. Regional Measures

The Regional Measures program has been developed to reflect the needs of COG member local governments. The proposed FY2014 MWCOG Budget includes funding allocated to regional air quality planning that is available for this local government 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.

FY2014

- **Technical Support for Climate Change Planning** **$54,905**

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 adopt a standard methodology for estimating greenhouse gas emissions. The methodology will be consistent with local government protocols and consistent with the regional greenhouse gas emissions inventory. Technical workshops or seminars will be offered to COG local government members.

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

FY2014

- **Support for Local Government Voluntary Measures** **$29,878**

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 2014 $25,106**

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 2014 is a 12-month work program and budget for the period from July 1, 2013 to June 30, 2014.

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 2014 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 $109,890. The sum of proposed budgets for the core program and local government initiatives is $583,506.

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 2014

Source	**Approved FY13**	**Requested FY14**	**Change**
COG	$157,872	$157,872	
State/local DOT/TPB	$157,872	$157,872	
State Air Agencies			
DDOE	$18,945	$18,945	
MDE	$71,042	$71,042	
VDEQ	$67,885	$67,885	
States. Subtotal	$157,872	$157,872	
TOTAL	$473,616	$473,616	
Regional Measures			
COG local funds	$109,818	$109,890	+$ 72
SUBTOTAL Local Govt. Initiatives	$ 109,818	$109,890	+$ 72
TOTAL	$583,434	$583,506	+$ 72

Table 2
Proposed FY2014 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	38,772		1,160	$39,932
2. Emissions Inventory Development	38,532		600	$39,132
3. Local Measures	23,632	0	300	$23,932
4. Transportation Conformity/Mobile Emissions Analysis	157,872	0		$157,872
6. ACPAC, Public Participation	51,063		1,503	$52,565
7. MWAQC, TAC and Exec. Ctte Support	100,718	0	9,897	$110,614
8. Project Management	42,816	0	500	43,316
TOTAL, Core	$459,656		$13,460	$473,616
Regional Measures				
CEEPC Support	51,915		2,990	$54,905
Local Measures Support	29,244		634	$29,878
AQ Reporting and Outreach	24,634		472	$25,106
SUBTOTAL, Regional Measures	$103,693		$4,096	$109,889
TOTAL	$562,511		$17,556	$583,505

Table 3. Air Quality Work Program Costs by Subtask, 7/1/13-6/30/14

Task/Subtask	*Total Hours*	*Total $*	*Total Direct costs*	Total Project $
I. Multipollutant StrategyDevelopment				
Multipollutant Strategy Dev.	336	38,772	1,160	39,932
Subtotal,	336	38,772	1,160	39,932
II. Emissions Inventories				
Preparation of emissions inventories	350	38,532	600	39,132
Subtotal, Inventory	350	38,532	600	39,132
III. Local Measures	210	23,632	300	23,632
IV. Transp.Conformity/Mobile Em.				
1. Prepare Emissions Factors	580	66,017	0	66,017
2. Transportation Conformity Coord	770	98,108	0	98,108
Subtotal, Transp.Conform./Mob.Emm.	1,351	164,125	0	164,125
V. Public Participation				
1. AQPAC Meetings (11)	451	39,688	1,064	40,752
2. Media and Public Outreach	100	11,375	439	11,814
Subtotal, Public Partic,Education	551	51,063	1,503	52,556
VI. MWAQC, TAC and Exec Ctte Support				
1.MWAQC Meetings (6)	454	46,004	5,647	51,651
2. Exec. Ctte Meetings (8)	45	5,025	0	5,025
3. TAC Ctte. Meetings (8)	332	34,703	3,750	38,453
4. EPA Region Coord/Consultation	128	14,986	0	14,986
Subtotal, MWAQC Support	959	100,718	9,397	110,115
VII. Project Management				
1. Work Program, Financial Reporting & Billing	350	42,816	500	43,316
Subtotal, Project Management	350	42,816	500	43,316
Total, Core	***4,046***	***489,656***	***13,460***	***473,616***

Regional Measures				
1. Climate Change Meeting Support	421	51,915	2,990	54,905
2. Local Measures Support	253	29,244	634	29,878
3. AQ Reporting and Outreach	190	24,634	472	25,106
Subtotal, Regional Measures	**864**	**103,693**	**4,096**	**109,889**
TOTAL	**4,910**	**562,511**	**$17,556**	**583,505**