

# MWAQC FY 2017 WORK PROGRAM

## Metropolitan Washington Air Quality Committee

Steve Walz  
Director, COG Department of Environmental Programs

Metropolitan Washington Air Quality Committee  
May 25, 2016



Agenda Item 4

## MWAQC Budget Process

- FY 2017 MWAQC Work Program
  - Proposed budget the same as FY 2016
  - Objectives and goals presented to MWAQC for feedback – February
  - Work Program and Budget presented to Budget Committee – March
  - Comments received and revised Work Plan sent to Budget Committee in April
  - Presented to TAC – May
- TPB adopted Transportation Unified Plan and Work Program in March
  - Used 2016 MWAQC contribution amount
  - May need to revise once DOT allocation is announced

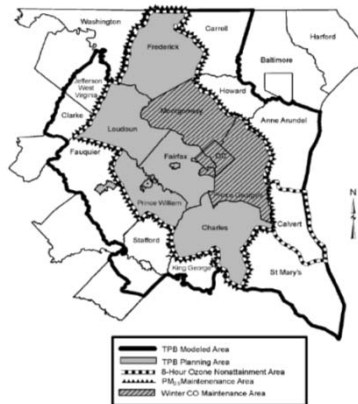


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## Work Program Contents

- I. Background
  - II. FY 2017 MWAQC Work Program Objectives
  - III. FY 2017 Work Program Tasks and Deliverables
  - IV. Funding sources and projected budget
- Supporting materials

TPB Transportation Planning Area and Washington, DC-MD-VA Nonattainment & Maintenance Areas



## Background

- MWAQC certified as regional air quality planning agency by Governors/ Mayor pursuant to Title I of the Clean Air Act Amendments of 1990
- Bylaws (adopted July 22, 1992; amended October 27, 2004)
- Mission
  - Develop National Ambient Air Quality Standards (NAAQS) state implementation plans (SIPs) for carbon monoxide (CO), ozone (O<sub>3</sub>) and fine particulate matter (PM 2.5) to meet federal health standards
  - Develop air quality maintenance plans for criteria pollutants
  - Fulfill other functions necessary for promulgation and maintenance of regional air quality policies, plans or programs
  - As requested, perform other functions to improve air quality such as evaluation and consideration of innovative and non-regulatory initiatives

## National Ambient Air Quality Standards

- **Ozone (O<sub>3</sub>)**

- 1979 1-hour NAAQS = 0.12 ppm (124 ppb)
  - 2005 – Region meets; EPA revokes the standard
- 1997 8-hour NAAQS = 0.08 ppm (84 ppb)
  - 2004 – Region designated as moderate nonattainment
  - 2007 – SIP submitted      2010 – Region in attainment
- 2008 8-hour NAAQS = 0.075 ppm (75 ppb)
  - 2012 – Region designated as marginal nonattainment
  - July 2015 – Region not in attainment; requested 1-year extension
  - 2013-15 – Clean data shows attainment; Maintenance Plan needed
- 2015 8-hour NAAQS = 0.070 ppm (70 ppb)
  - 2017 state designation recommendations; 2013-15 at 70 ppb

## National Ambient Air Quality Standards

- **Fine Particulate Matter (PM 2.5)**

- 1997 annual NAAQS = 15 ug/m<sup>3</sup>
  - 2005 – Region designated as nonattainment
  - 2008 – SIP submitted
  - 2008 – Data show attainment
  - 2012 – Resignation Request and Maintenance Plan submitted
  - 2014 – Region redesignated to attainment
  - 2016 – Maintenance plan revision
- 2006 daily NAAQS = 35 ug/m<sup>3</sup>
  - Attainment – no planning requirements
- 2012 annual NAAQS = 12 ug/m<sup>3</sup>
  - Attainment – no planning requirements

## National Ambient Air Quality Standards

- **Carbon Monoxide (CO)**
  - 1971 1-hour NAAQS = 35 ppm; 8-hour NAAQS = 9 ppm
    - 1995 – Region meets standard
    - 2004 – Maintenance Plan submitted
    - 2015 – Region meets 20-year compliance threshold
      - CLRP conformity determination no longer required
- **Sulfur Dioxide (SO<sub>2</sub>)**
  - 2010 – Primary 2-hour standard = 75 ppb
  - Addressed at state level – no regional action needed
  - 2016 – States submit list of sources for SO<sub>2</sub> characterization

## National Ambient Air Quality Standards

- **Nitrogen Dioxide (NO<sub>2</sub>)**
  - 2010 1-hour standard = 100 ppb; annual standard = 53 ppb
  - Addressed at state level – no regional action needed
- **Lead (Pb)**
  - 1978 – Quarterly standard = 1.5 ug/m<sup>3</sup>
  - 2008 – rolling 3-month standard = 0.15 ug/m<sup>3</sup>
  - Addressed at state level – no regional action needed

## FY 2017 MWAQC Objectives

- Implement revised 1997 PM 2.5 NAAQS Maintenance Plan
  - Appendix C
    - Re-evaluate Motor Vehicle Emission Budgets (MVEBs) if the CLRP horizon is extended beyond 2040
    - Assist states with cost-effective environmental and energy efficiency/renewable energy based regulations or voluntary measures
    - Begin process to demonstrate achieving region-wide benefits and SIP credit for clean product market forces
    - Identify additional strategies to help with ozone and PM 2.5 compliance
- Develop Resignation Request and Maintenance Plan for the 2008 ozone NAAQS
- Track and develop clean data for the 2015 ozone NAAQS

## FY 2017 MWAQC Objectives

- 2016 Conformity
  - Support MOVES 2014a implementation
  - Review & comment on transportation conformity assessments for ozone and PM 2.5 (CO no longer required)
- Coordinate regional air quality planning
  - Work with Region Forward Coalition, TPB, COG Board, CEEPC and others to advance air quality
  - Develop and implement updated action plan based on Multi-Sector Working Group recommendations for actions with ozone and PM 2.5 co-benefits
  - Coordinate air quality planning with state and local clean energy programs for actions with ozone and PM 2.5 co-benefits
  - Communicate to regional and local leaders and the public on the need for and actions to reduce emissions and improve air quality
  - Identify control measures to meet current and future ozone standards.

## FY 2017 Core Work Areas

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1. Emissions Inventory Development
2. SIP/Multi-Sector Strategy Development
3. Local Measures
4. Transportation Conformity/Mobile Emissions Analysis
5. Public Participation
6. MWAQC Support
7. Program Management

## FY 2017 Core Work Areas

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1. Emissions Inventory Development
  - Use for 2008 ozone Maintenance Plan & 2015 ozone determination
  - Identify needed control measures for future year inventories
  - Participate in OTC and MARAMA
  - Assist TPB with inputs for modeling
2. SIP/Multi-Sector Strategy Development for ozone and PM 2.5
  - Develop 2008 ozone standard redesignation request and maintenance plan
  - Undertake PM 2.5 Maintenance Plan Appendix C actions
  - Track and assist states with monitoring network changes
  - Track and take policy actions on statutory and regulatory actions
  - Coordinate with state and local clean energy programs for actions with ozone and PM 2.5 co-benefits

## FY 2017 Core Work Areas

### 3. Local Measures

- Promote and assist local government actions to reduce emissions of ozone precursors and PM 2.5
- Update the Regional Action Plan of best practices
- Assist workgroups such as EV and Tree Canopy with co-benefits
- Develop enhanced communication tools for consideration of criteria pollutant and carbon dioxide emissions in planning processes

### 4. Transportation Conformity/Mobile Emissions Analysis

- Complete 2016 CLRP conformity determination
- Begin 2017 CLRP conformity determination
- Review inputs, outputs, MRS files for conformity modeling
- Acquire state data and meteorology for conformity modeling
- Coordinate with TPB on implementation of MOVES 2014a



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## FY 2017 Core Work Areas

### 5. Public Participation

- Support ACPAC
  - Air quality topics such as ozone standards, regional action plan, and environmental justice
- Support outreach by MWAQC leadership and members
- Media inquiries, press releases, articles, blogs

### 6. MWAQC Support

- MWAQC, Executive Committee, MWAQC TAC, TAC subcommittee meetings and calls

### 7. Program Management

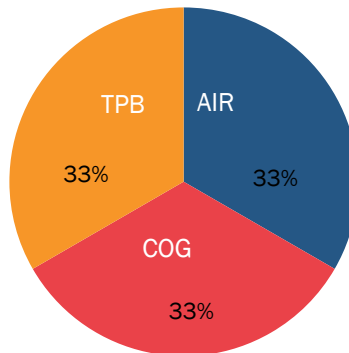
- State Air Director and Budget committee meetings and calls
- Manage FY 2017 and prepare FY 2018 Work Program and Budget
- Quarterly financial and status reports to funders
- Ongoing program support



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## MWAQC Funding Sources

Total Budget Proposed : \$523,616



## FY 2017 MWAQC Funding Contributions

Source	Approved FY 2016	Requested FY 2017	Change
COG member Jurisdictions	\$174,539	\$174,539	
State DOT/TPB*	\$174,539	\$174,539	
State Air Agencies			
DOEE	\$21,446	\$21,484	+\$38
MDE	\$76,950	\$77,223	-\$273
VDEQ	\$76,143	\$75,832	-\$311
States, Subtotal	\$174,539	\$174,539	
TOTAL	\$523,616	\$523,616	\$0

\*TPB funding is contingent on approval of the Unified Planning Work Program for FY 2017. The amount of funding will be confirmed in September 2016.



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