

# MWAQC FY 2017 WORK PROGRAM

## Metropolitan Washington Air Quality Committee

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Metropolitan Washington Air Quality Committee  
February 24, 2016

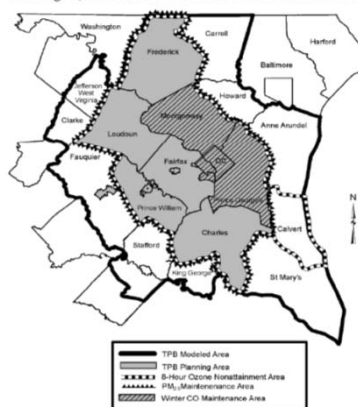


Agenda Item 5

## 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



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## 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
- Develop Resignation Request and Maintenance Plan for the 2008 ozone NAAQS
- Track and develop clean data for the 2015 ozone NAAQS
- 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

## FY 2017 MWAQC Objectives

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- 2016 Conformity
  - Support MOVES 2014a implementation
  - Review & comment on transportation conformity assessments for ozone and PM 2.5 (CO no longer required)
- Use MOVES 2014a for non-road modeling
- 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

## 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
  - 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
  - Work with Region Forward, COG Board, CEEPC and others to advance air quality
  - Coordinate with state and local clean energy programs for actions with ozone and PM 2.5 co-benefits

## FY 2017 Core Work Areas

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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
  - Report actions to MWAQC and TAC to expand implementation
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

## FY 2017 Core Work Areas

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### 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
- Develop enhanced communication tools for consideration of criteria pollutant and carbon dioxide emissions in planning processes

### 6. MWAQC Support

- MWAQC, Executive Committee, MWAQC TAC, State Air Directors, TAC subcommittee meetings and calls

### 7. Program Management

- 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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