2019 ACPAC Orientation

Amanda Campbell Environmental Planner III

Air and Climate Public Advisory Committee (ACPAC) February 11, 2019



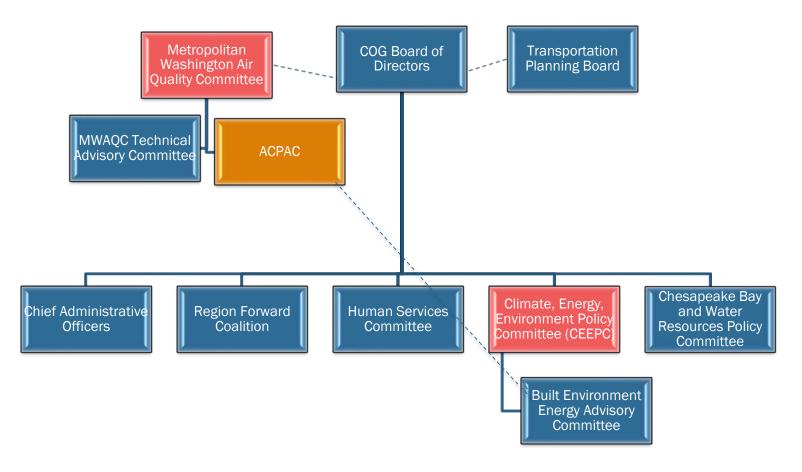
COG

- The Metropolitan Washington Council of Governments (COG) is an independent, nonprofit association
- Brings area leaders together to address major regional issues in the District of Columbia, suburban Maryland and Northern Virginia
- Membership is comprised of 300 elected officials from 24 local governments, the Maryland and Virginia state legislatures, and U.S. Congress





COG Committee Structure



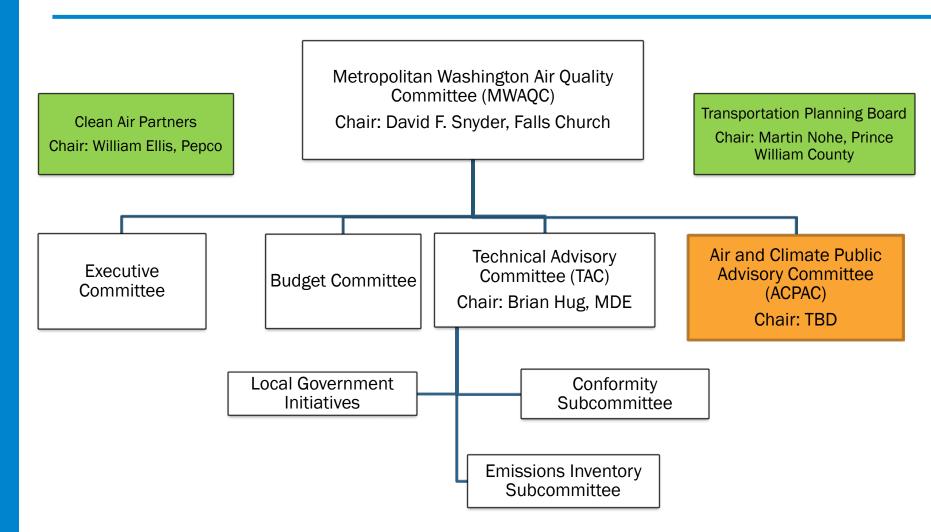


ACPAC Mission

- Facilitate dialogue among diverse interest groups, the community and the Metropolitan Washington Air Quality Committee (MWAQC)
- Advise MWAQC in development of air quality plans and policies
- Advise the Climate, Energy and Environment Policy Committee (CEEPC) in development of climate and energy related plans and policies



Organizational Structure





Role of MWAQC

To meet Clean Air Act requirements,

- Demonstrate an appropriate progress in reducing criteria air pollutants (Ozone, Fine Particles, Carbon Monoxide, Sulfur Dioxide, Nitrogen Dioxide, Lead)
- Demonstrate attainment of federal national ambient air quality standards (NAAQS) for criteria pollutants
- Prepare region-wide State Implementation Plan (SIP): a plan to reach attainment of criteria pollutants
- Conduct inventories and emissions budgets
- Prepare maintenance plans
- Perform other functions such as identifying innovative initiatives to improve air quality, upon member request.



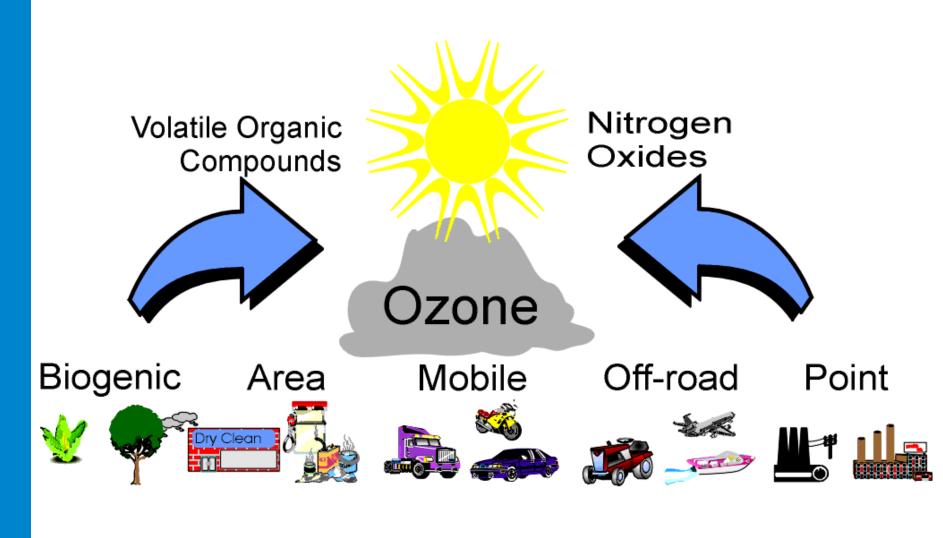


Membership

District of	Columbia (6)
Mayor (2)), Council (2)
District Department of	f Energy and Environment
District Departme	ent of Transportation
Maryland (20)	Virginia (17)
City of Bowie	City of Alexandria
City of College Park	City of Fairfax
City of Frederick	City of Falls Church
City of Gaithersburg	City of Manassas
City of Greenbelt	City of Manassas Park
City of Rockville	Arlington County
City of Takoma Park	Fairfax County (3)
Frederick County	Loudoun County
Montgomery County (1 Executive, 2 Council)	Prince William County (2)
Prince George's County (1 Executive, 2 Council)	Stafford County (1-hour ozone issues only)
Calvert County	Virginia General Assembly (2)
Charles County	Virginia Department of Environmental Quality
Maryland General Assembly (2)	Virginia Department of Transportation
Maryland Department of the Environment	Other (1)
Maryland Department of Transportation Metropolitan Washington	Transportation Planning Board Chair or Designee
Council of Governments	



Ground-Level Ozone





Health Effects of Ozone

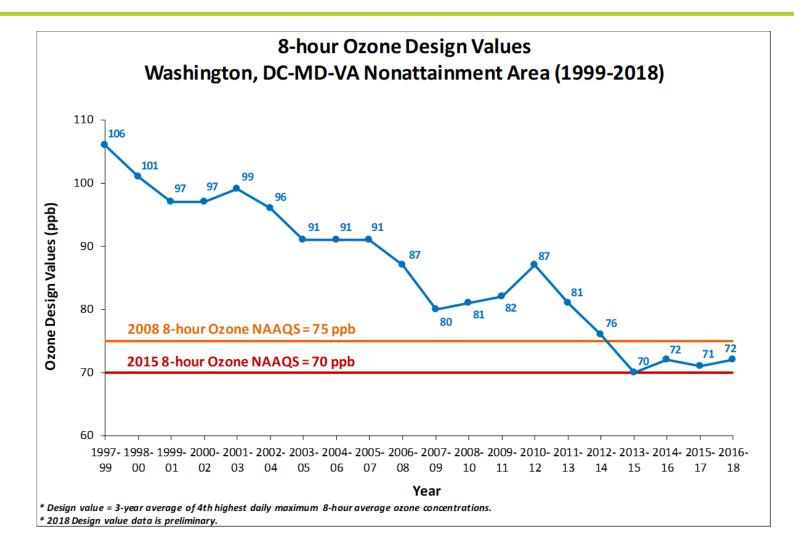
• Irritate the respiratory system

- Asthma attacks
- Respiratory symptoms (cough, wheezing, etc.)
- Decreased lung function
- Airway inflammation



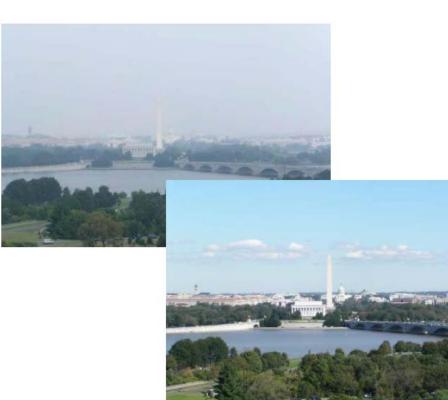


Ozone





Fine Particles (PM_{2.5})

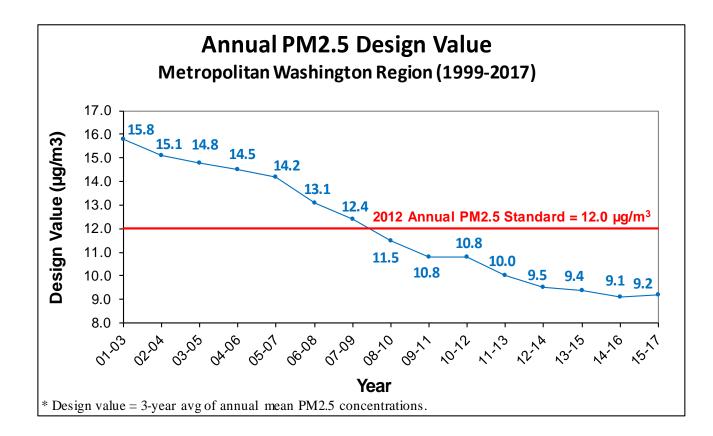


- Chemical, particulate matter or aerosol
 - Combo of local emissions from coal burning, cars & trucks, construction and regional power plants, industry.
- Causes respiratory problems
- Impairs visibility.



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Metropolitan Washington Fine Particle Trends





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Monitors

Sign up for Air Alerts at Cleanairpartners.net



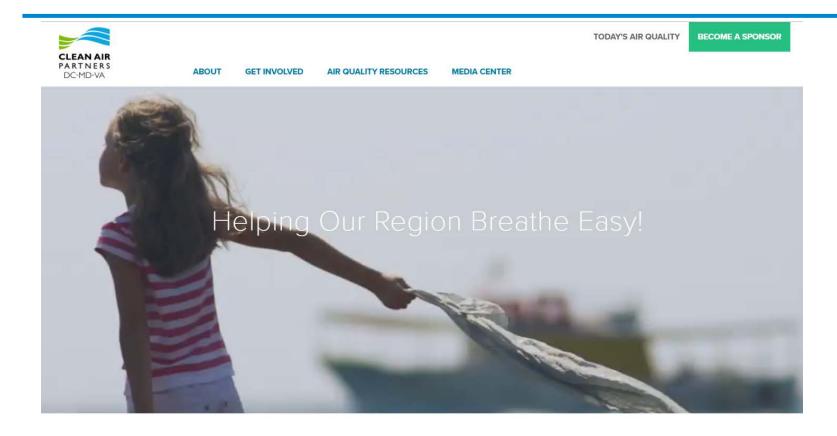


The Air Quality Index (AQI)

Air Quality Index Levels of Health Concern	Numerical Value	Meaning
Good	0 to 50	Air quality is considered satisfactory, and air pollution poses little or no risk.
Moderate	51 to 100	Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually sensitive to air pollution.
Unhealthy for Sensitive Groups	101 to 150	Members of sensitive groups may experience health effects. The general public is not likely to be affected.
Unhealthy	151 to 200	Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects.
Very Unhealthy	201 to 300	Health warnings of emergency conditions. The entire population is more likely to be affected.
Hazardous	301 to 500	Health alert: everyone may experience more serious health effects.



Clean Air Partners



About Clean Air Partners

Clean Air Partners is a public-private partnership educating the greater metropolitan Baltimore-Washington region about the health risks of poor air quality. For more than 20 years, we have empowered individuals and organizations to take simple actions to reduce pollution and protect public health.



What Local Members Can Do

Renewable Energy	Energy Efficiency	Mobile Vehicle
Programs	Programs	Programs
 Community Solar and Solar Co-Ops Green Power Purchasing Programs Renewable Power Purchase Agreements 	 Building Energy Efficiency Programs Green Building Programs Back-up Generators 	 Idle Reduction Programs Green Fleets Programs EV Expansion and Infrastructure Bike and Pedestrian Infrastructure

Full list of measures can be found in:

- What We Can Do Report
- Gold Book



Climate, Energy & Environment Policy Committee's Purpose



Provide leadership on climate change, energy, green building, alternative fuels, solid waste and recycling issues.

Support area governments as they work together to meet the goals outlined in the 2008 *National Capital Region Climate Change Report*.



CEEPC's Membership

COG MEMBERS - 25

1 Elected Official per COG local govt + 1 Additional Elected Official for:

- District of Columbia (Mayor)
- Fairfax County
- Montgomery County (Exec)
- Prince George County (Exec)

STATE GOVERNMENT - 13

- MD, VA Senate + House
- State Environment, Energy, Transportation Directors

STAKEHOLDERS - 20

- Federal/Regional Agencies 4
- Electric & Gas Utilities 3
- Environmental Community 3
- Business Community 3
- Academic Community 3
- At-Large 3
- Chair, Air and Climate Public Advisory Committee (ACPAC)

REGIONAL*

- Transportation Planning Board
- Metropolitan Washington Air Quality Committee
- WMATA Board of Directors

*Added if not represented by COG members.



Climate & Energy Action Plan (2017-2020)

Climate Action Areas

- Section 1 Reduce Energy Consumption
- Section 2 Increase Share of Renewables
- Section 3 Advance Sustainable Regional Mobility
- Section 4 Increase Sustainable Urban Development
- Section 5 Move Toward Zero Waste
- Section 6 Build Regional Resilience
- Section 7 Protect Equity and Health
- Section 8 Grow the Regional Clean Economy

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See also: Climate & Energy Progress Dashboard



Climate & Energy - Recent Successes

- #1 in ENERGY STAR buildings (2017)
- Projected to exceed 20,000 grid-connected renewable energy systems (2017)
- Tripled EV stations from 2012 -2016
- #5 in Clean Tech (2015)

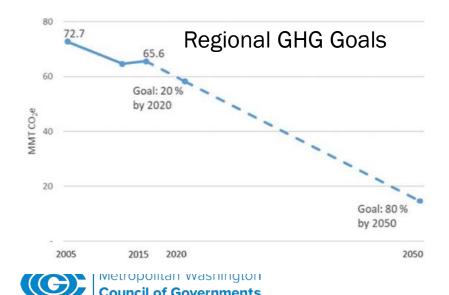




Climate & Energy

2019 Priorities

- Renewable Energy and Energy Efficiency
- Low Emission Mobility
- High Performance Buildings
- Sustainability and Resiliency
- Tree Canopy



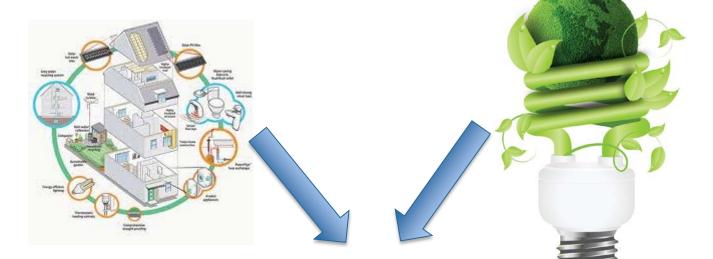
Activities

- Action Plan update
- Awards
- Grants
- Training and technical assistance
- Cooperative Purchasing
- Legislative advocacy





IGBG = Intergovernmental Green Building Group EAC= Energy Advisors Committee



BEEAC = Built Environment Energy Advisory Committee





Metropolitan Washington
Council of Governments

ACPAC Activities

- Learn about air and climate policies, initiatives, and projects and share with networks (and vice versa)
 - 2021 Climate Action Plan
- Provide input/review MWAQC and CEEPC plans, reports, comment letters
- Provide input and guidance on topics of interest
- Climate Awards
- Environmental Justice projects, grants?
- Other: Auto Show, tour, book sharing, workshops, etc.



Amanda Campbell

Environmental Planner III (202) 962-3324 <u>acampbell@mwcog.org</u>

mwcog.org

777 North Capitol Street NE, Suite 300 Washington, DC 20002

