

## Louisville Metro Air Pollution Control District Multipollutant Stakeholder Group Convening – November 2019

### PURPOSE

The Louisville Metro Air Pollution Control District is convening a broad range of stakeholders to discuss current air quality challenges and develop recommendations for our community's next steps to improve local air quality and reduce health impacts associated with air pollution exposure. There are several reasons to bring our air quality stakeholders to the table in this way, including an expectation from our community based on past APCD practice. Whether for the purpose of generating strategies to reduce ozone, fine particulates, or exposure to air toxics, APCD stakeholder work has been a regular step in our community's discussion of air quality improvements. This convening will follow closely the framework set by these previous efforts by ensuring that representatives for emission source sectors as well as community and health advocates are invited to the table to share their expertise and unique perspectives on Louisville's air quality challenges and the strategies available immediately and in the near term to improve overall community health outcomes associated with air pollution exposure.

The area's current status as nonattainment for the 2015 8-hour Ozone National Ambient Air Quality Standard (NAAQS) will be the focus of the Multipollutant Stakeholder Group (MPSG) work. However, community goals for fine particulates and air toxics will also be examined and co-benefits to reduce health impacts from these pollutants will be sought. This is a variation on our past stakeholder convenings where only a single pollutant type was examined but is in keeping with the direction that air quality planning organizations are moving and with our community's public health goals.

APCD will use emission reduction recommendations in the creation of a Multipollutant Air Quality Strategy document to guide its work in the coming years, including potential additions to the area's federally enforceable State Implementation Plan (SIP) if required. Community outreach and education recommendations will help guide APCD communication and engagement efforts in coming years and provide framework for ongoing collaborations among our stakeholders. Recommendations outside of the scope of APCD's work will be provided to the relevant entity with APCD support wherever possible.

### MPSG GOALS

- Develop recommendations to reduce emissions of ozone precursors in order to come into attainment of the 2015 8-hour Ozone NAAQS, with a focus on strategies that may achieve co-benefits of air toxics and fine particulate reductions.
- Identify quantifiable emission reduction strategies – voluntary and regulatory – from the following source sectors: Point, Area, Mobile.
- Identify voluntary programs and community initiatives to reduce emissions and exposure in order to reduce health risks.
- Recommend programs, collaborations, etc. that will raise awareness of air quality impacts of local activities and the health impacts associated with them.

## PROCESS

The process will begin by convening at least two sessions of the full MPSG, where current air quality data, modelling, and regulatory requirements (in particular, the 2015 8-hour Ozone standard NAAQS requirements) will be shared and discussed to develop a common baseline understanding among the stakeholders. Stakeholder organizations have been invited to participate (either invitee or delegates) in stakeholder discussion and asked to select at least one committee on which to participate. Committees include: Point Source, Area Source, Mobile Source, Health, and Outreach and Education.

After a discussion of committee structure, shared expectations, and proposed goals for their efforts, stakeholders will self-select committee assignments. Stakeholder organizations may send representatives to more than one committee as desired. These committees will then meet roughly every other week (accommodations will be made for holidays) through approximately February, as the committee members require. Committees will discuss and develop recommendations for emission reduction strategies, outreach and engagement opportunities around air quality and health impacts, and additional lines of inquiry for how our community can protect public health from air pollution impacts.

The full MPSG will then reconvene for a presentation and discussion of committee recommendations. APCD Program Planning staff will develop a report detailing the process, information shared, and recommendations of the committees. This report will be presented to the Air Pollution Control Board and the Mayor's Office.

## COMMITTEE GOALS

While committees will be encouraged to discuss and revise goals as they feel appropriate, the following initial goals will be presented to the committees to guide their discussion.

### POINT SOURCE COMMITTEE

- Evaluate most current emissions inventory to identify and assess sources of ozone precursors at point sources.
- Identify and assess control measures for control of ozone and precursors at point sources that are currently in place or planned.
- Evaluate Ozone Formation Study modeling results to:
  - Identify additional possible voluntary control strategies for reaching attainment of the 8-hour Ozone NAAQS by 2021 deadline.
  - Evaluate possible additional control measures for informal RACT/RACM assessment.
- Evaluate the sufficiency of current LMAPCD Regulations to meet the requirements of the 2015 8-hour Ozone Nonattainment Area SIP Requirements Rule and consider and recommend updates to these rules.
- Assess recommended strategies for co-benefits to fine particulate and air toxic emission reductions.

### AREA SOURCE COMMITTEE

- Evaluate most current emissions inventory to identify and assess sources of ozone precursors from area sources.
- Identify and assess control measures for control of ozone and precursors from area sources that are currently in place or planned.
- Evaluate Ozone Formation Study modeling results to:
  - Identify additional possible voluntary control strategies from area source sectors for reaching attainment of the 8-hour Ozone NAAQS by 2021 deadline.
  - Evaluate possible additional control measures for informal RACT/RACM assessment.
- Evaluate sufficiency of APCD compliance activities for area source emissions accountability (e.g., inspections, record keeping and reporting).
- Assess recommended strategies for co-benefits to fine particulate and air toxic emission reductions.

### MOBILE SOURCE COMMITTEE

- Evaluate most current emissions inventory to identify and assess sources of ozone precursors from mobile sources.
- Identify and assess control measures for control of ozone and precursors from mobile sources that are currently in place or planned.
- Review best practices from other cities and present case studies on how those cities reduced emissions from mobile sources.
- Evaluate potential localized mobile source exposures in congested or heavily travelled road segments.

- Look for additional strategies to reduce emissions within Louisville Metro Government's own fleet and other large fleets operating locally.
- Assess recommended strategies for co-benefits to fine particulate and air toxic emission reductions.

#### HEALTH COMMITTEE

- Identify health risks to Louisville Metro residents from exposure to ozone, fine particulates, and air toxics.
- Evaluate the potential for ozone, fine particulate, and air toxics reductions to improve health and monetize public health benefits where possible.
- Assess the disparate impacts of these pollutants on minority and low-income residents.
- Identify additional questions or areas of study to help inform the community on how to reduce exposure to air pollution and mitigate potential health impacts.

#### OUTREACH AND EDUCATION COMMITTEE

- Review current public outreach efforts to communicate Louisville's nonattainment status for 2015 ozone NAAQS and recommend additional strategies to raise awareness of the need for air quality improvement.
- Identify audiences for sharing information and conducting more engagement around air quality and its impact on health.
- Propose community partnerships to promote air quality and environmental health awareness.
- Propose new programs in the vein of Idle Free Louisville or Lawn Care for Cleaner Air that give citizens opportunity and information to reduce their own emissions contribution and health impacts from air quality.
- Support/amplify the messaging of other groups that promote lowering air emissions and limiting exposure to emissions (Every Commute Counts, KAIRE, TARC, Greenheart Project, Trees Louisville, etc.).