

OTC Stationary and Area Sources Committee Overview

November 18, 2020

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Chair

Stationary and Area Sources Committee



OZONE TRANSPORT COMMISSION

Agenda

- Current Charge
 - Municipal Waste Combustors
 - RACT
 - Episodic modeling
 - Buildings
- 2021 Charge Discussion

Reminder: 2020 Charge

- Sector Support:
 - Technical Support for Individual Sectors – begin with municipal waste combustors (MWC)
 - Develop a technical resource webpage that enables states to work from a common platform for rule and permit limits
 - Additional sectors, as determined by future charges
- RACT Support:
 - Collect, compile and distribute technical information to support state RACT analyses
- Episodic Modeling:
 - Develop a strategy for episodic modeling and clarify SAS's role in this effort
- OAQPS Engagement:
 - Identify opportunities to meet and brief OAQPS staff on the benefits of OTC model rules
 - Facilitate information exchange/open a dialogue on the feasibility for national action in targeted areas
- Continue to review data to inform focus and priority work for 2021 SAS Charge
- Annual Report due March 1, 2021
- Support work of other SAS Committees

Provide Technical Support for Individual Sectors

- Table of Contents of Technical Support document circulated
- State workgroup
 - Evaluating ~100 MWCs in the OTR
 - Categorizing by technology type and size
 - Identifying possible emission control options
 - Estimate emissions reduction potential for the OTR
 - Summarize policy implications for the sector
- Timeline
 - Recommendations expected in November
 - Complete document by December
- This is a pilot effort. Determination to complete additional sectors based on response to MWC materials (report and excel spreadsheet)

RACT Support

- Data gathering efforts
 - Circulate existing OTC data to states for review and update
 - Review data and present recommendations for areas of focus
- Tool Development
 - Develop excel-based tool to track RACT work
 - Build in modules
 - Module 1 – high level overview ability to sort current RACT levels by state and sector
 - Based on feedback from Module 1, could enhance with data from MWC work to create tool that allows analysis of different policy options

Episodic Modeling

- Modeling Committee - conducting peak day/episodic modeling to accurately capture NOx contributors on High Electric Demand Days and to accurately quantify the benefits from peak ozone day strategies
- 2020-2021 Proposed Action Plan Episodic Modeling:
 - i. Corridor VOC emission controls sensitivity
 - ii. Peak energy day operations
 - iii. Natural gas pipeline (compressor) strategy
 - iv. Optimization of EGU controls
 - v. Heavy Duty NOx standard
- SAS Committee reviewing and revising list of peaking units for modeling analysis developed by NJ staff

Building Electrification

- Using the Department of Energy's ResStock modeling tool, OTC/NESCAUM staff have evaluated two building electrification scenarios
- The results of the analysis will be presented to SAS this fall
- The Committee will discuss the results and any additional actions

Developing the 2021 Charge

- Requested direction from Directors for 2021 Charge
- Beginning to consider priorities for next charge
 - Approach: Should we address new approaches (e.g. Peak day partnership) vs previous efforts (e.g. model rules)?
 - Sectors: what data are needed to make a determination of sector focus? Should we address traditional sources (EGUs), non-traditional areas (building sector), or both?
 - Which outside parties should we coordinate with?
- Other items