



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
RESEARCH TRIANGLE PARK, NC 27711

OFFICE OF  
AIR QUALITY PLANNING  
AND STANDARDS

October 31, 2018

**MEMORANDUM**

**SUBJECT:** CASAC Review of the document titled *Integrated Review Plan for the Ozone National Ambient Air Quality Standards, External Review Draft*

**FROM:** Erika N. Sasser, Director  
Health and Environmental Impacts Division  
Office of Air Quality Planning and Standards  
United States Environmental Protection Agency

**TO:** Aaron Yeow, Designated Federal Officer  
Clean Air Scientific Advisory Committee  
EPA Science Advisory Board Staff Office

Attached is the document titled *Integrated Review Plan for the Ozone National Ambient Air Quality Standards, External Review Draft* (draft IRP) prepared by the Environmental Protection Agency's (EPA) Office of Air Quality Planning and Standards (OAQPS) and National Center for Environmental Assessment (NCEA) as part of EPA's ongoing review of the national ambient air quality standards (NAAQS) for ozone (O<sub>3</sub>). The draft IRP will be subject to a consultation with the Clean Air Scientific Advisory Committee (CASAC) at a public teleconference tentatively scheduled for November 29, 2018. I am requesting that you forward this document to the Panel to prepare for the November meeting.

The draft IRP is being made available to the CASAC in the form of the attached electronic file. The document is also available from the EPA website at <https://www.epa.gov/naaqs/ozone-o3-air-quality-standards>, under "Planning Documents from Current Review." Printed copies of this document can be sent to the Panel members via US mail upon request. Suggested focus areas for the Panel's consideration of the draft IRP are identified in the attachment.

We look forward to discussing the draft IRP with the CASAC at our upcoming meeting. Should you have any questions regarding the document, please contact me (919-541-3889; email [sasser.erika@epa.gov](mailto:sasser.erika@epa.gov)) or Dr. Deirdre Murphy on my staff (919-541-0729; email [murphy.deirdre@epa.gov](mailto:murphy.deirdre@epa.gov)).

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Attachment: Areas on which the EPA would request that the CASAC focus in their consideration of the *Integrated Review Plan for the Ozone National Ambient Air Quality Standards, External Review Draft*

**Areas on which the EPA requests that the CASAC focus their consultation of the *Integrated Review Plan for the Ozone National Ambient Air Quality Standards, External Review Draft***

***Overall organization, clarity and appropriate description of introductory, background and explanatory material:***

Chapters 1 Introduction and 2 Background:

- Chapter 1 summarizes the legislative requirements (section 1.1), general NAAQS review process (section 1.2) and specific process and projected timeline for this review (section 1.3).
- Chapter 2 summarizes the history of O<sub>3</sub> NAAQS reviews (section 2.1), describes the O<sub>3</sub> air monitoring requirements (section 2.2.1), and summarizes the data analysis performed for comparison to the standards (section 2.2.2). Section 2.3.4 also provides an overview of current O<sub>3</sub> air quality and plans for further characterization in this review.

Chapter 6 Policy Assessment and Chapter 7 Proposed and Final Decisions:

- Chapter 6 describes the role of and process for developing the Policy Assessment for the review. Chapter 7 summarizes the EPA's processes for the proposed and final decision-making steps in the review.

***Characterization of the key scientific issues for consideration in the current review:***

Chapter 3 Key Policy-Relevant Issues for the Current Review:

- Section 3.1.1 summarizes key policy-relevant issues and the general approach for the current review of the primary standard. To provide context, section 3.1.2 additionally summarizes considerations and conclusions underlying the final decision in the last review.
- Section 3.2.1 summarizes the general approach and key policy-relevant issues for the current review of the secondary standard. To provide context, section 3.2.2 additionally summarizes considerations and conclusions underlying the final decision in the last review.

***The scope, approach, and identification of specific issues to be considered in organization of the Integrated Science Assessment:***

Chapter 4 Science Assessment:

- Chapter 4 describes the plan for the ISA, which will critically evaluate and integrate the scientific evidence on health and welfare effects of ozone in ambient air. Section 4.2 describes the ISA organization; section 4.3 describes the assessment approach.

***The key issues, uncertainties and limitations for consideration in decisions regarding quantitative analyses to be conducted in the current review:***

Chapter 5 Quantitative Risk and Exposure Assessments:

- Section 5.1.1 summarizes the human exposure and health risk assessments developed in the last review, and section 5.1.2 identifies key considerations for decisions on quantitative assessments to be conducted in the current review.
- Section 5.2.1 summarizes the air quality, exposure and risk assessments developed in the last review of the secondary standard; section 5.2.2 identifies key considerations for decisions on quantitative assessments to be conducted in the current review.