

2025 Current Fiscal Year Report: Clean Air Scientific Advisory Committee

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1. Department or Agency

Environmental Protection Agency

2. Fiscal Year

2025

3. Committee or Subcommittee

Clean Air Scientific Advisory
Committee

3b. GSA Committee

No.

719

4. Is this New During Fiscal Year?

5. Current Charter

6. Expected Renewal Date

7. Expected Term Date

No

05/19/2023 05/19/2025

8a. Was Terminated During Fiscal Year?

No

8b. Specific Termination Authority

42 U.S.C. 7409 Sect.
109

8c. Actual Term Date

9. Agency Recommendation for Next Fiscal Year

Continue

10a. Legislation Req to Terminate?

No

10b. Legislation Pending?

Not Applicable

11. Establishment Authority

Statutory (Congress Created)

12. Specific Establishment Authority

42 U.S.C. 7409 Sect. 109 08/07/1977 Continuing No

13. Effective Date

14. Committee Type

14c. Presidential?

15. Description of Committee

Scientific Technical Program
Advisory Board

16a. Total Number of Reports

1

16b. Report Date

Report Title

Consultation on the EPA's Health
Risk and Exposure Analyses in
Support of the Review of the

12/09/2024 National Ambient Air Quality

Standards for Lead – Update on Two
Aspects of the Analytical Approach
(November 2024)

Number of Committee Reports Listed: 1

17a. 1 17b. Closed 0 17c. Partially Closed 0 Other Activities 0 17d. Total 1
Open

Meetings and Dates

Purpose	Start	End
CASAC Lead Panel Meeting	11/22/2024	- 11/22/2024

Number of Committee Meetings Listed: 1

	Current FY	Next FY
18a(1). Personnel Pmts to Non-Federal Members	\$0.00	\$0.00
18a(2). Personnel Pmts to Federal Members	\$0.00	\$0.00
18a(3). Personnel Pmts to Federal Staff	\$0.00	\$0.00
18a(4). Personnel Pmts to Non-Member Consultants	\$0.00	\$0.00
18b(1). Travel and Per Diem to Non-Federal Members	\$0.00	\$0.00
18b(2). Travel and Per Diem to Federal Members	\$0.00	\$0.00
18b(3). Travel and Per Diem to Federal Staff	\$0.00	\$0.00
18b(4). Travel and Per Diem to Non-member Consultants	\$0.00	\$0.00
18c. Other(rents,user charges, graphics, printing, mail, etc.)	\$0.00	\$0.00
18d. Total	\$0.00	\$0.00
19. Federal Staff Support Years (FTE)	0.00	0.00

20a. How does the Committee accomplish its purpose?

The CASAC is required by statute (i.e., the Clean Air Act Amendments ([CAAA] of 1977 [P.L. 95-95]) to review the scientific criteria and the NAAQS for the six criteria air pollutants, and to provide independent scientific advice to the Agency as required by the CAAA and upon request from

EPA.

20b. How does the Committee balance its membership?

CASAC is composed of seven (7) members. The Administrator appoints a chairperson and six members including, as required by CAA section 109(d), at least one member of the National Academy of Sciences, one physician, and a person representing State air pollution control agencies. Members shall be persons who have demonstrated high levels of competence, knowledge, and expertise in the scientific/technical fields relevant to air pollution and air quality issues. Members will generally serve as Special Government Employees (SGE).

20c. How frequent and relevant are the Committee Meetings?

The CASAC is required by statute (i.e., the Clean Air Act Amendments ([CAAA] of 1977 [P.L. 95-95]) to review the scientific criteria and the NAAQS for the six criteria air pollutants, and to provide independent scientific advice to the Agency as required by the CAAA and upon request from EPA. The frequency of meetings is, in large part, determined by the Agency's progress in completing scientific criteria-and NAAQS-related documents for the CASAC's review. The six criteria air pollutants for which a NAAQS has been established (particulate matter [PM], ozone [O₃], carbon monoxide [CO], oxides of nitrogen [NO_x], sulfur oxides [SO_x], and lead [Pb]) are reviewed during overlapping five-year cycles. Reviews conducted during a given fiscal year may be part of an ongoing review carried over from the previous year, and similarly, may continue into the following fiscal year.

20d. Why can't the advice or information this committee provides be obtained elsewhere?

Under the Clean Air Amendments of 1977 and 1990, Congress required that the CASAC complete a review of the criteria and the primary and secondary NAAQS and provide its advice and recommendations to the EPA Administrator. This advice is also requested by the Agency to ensure that EPA develops high-quality, credible, scientifically-accurate documents that rigorously support the scientific basis of the NAAQS. Providing such advice is also required by the Agency's Peer Review Policy and Handbook.

20e. Why is it necessary to close and/or partially closed committee meetings?

No meetings were closed or partially closed.

21. Remarks

Not Applicable

Designated Federal Officer

Aaron Yeow Designated Federal Officer

Committee Members	Start	End	Occupation	Member Designation
Bell, Michelle	10/01/2024	01/28/2025	Tier 1, Mary E. Pinchot Professor of Environmental Health, Yale University School of the Environment	Special Government Employee (SGE) Member
Felton, Henry	10/01/2023	01/28/2025	Tier 1, Research Scientist IV, New York State Department of Environmental Conservation	Special Government Employee (SGE) Member
Peel, Jennifer	10/01/2024	01/28/2025	Tier 1, Professor of Epidemiology, Colorado State University	Special Government Employee (SGE) Member

Ponette-González, Alexandra	10/01/2024	01/28/2025	Tier 1, Associate Professor, Department of City & Metropolitan Planning and Curator of Urban Ecology, Natural History Museum of Utah, University of Utah	Special Government Employee (SGE) Member
Rice, Mary	10/01/2024	01/28/2025	Tier 1, Associate Professor of Medicine, Beth Israel Deaconess Medical Center (BIDMC)	Special Government Employee (SGE) Member
Sarnat, Jeremy	10/01/2024	01/28/2025	Tier 1, Associate Professor, Emory University	Special Government Employee (SGE) Member
Turpin, Barbara	10/01/2024	01/28/2025	Tier 1, Professor, University of North Carolina at Chapel Hill	Special Government Employee (SGE) Member

Number of Committee Members Listed: 7

Narrative Description

The CASAC is required by statute (i.e., the Clean Air Act Amendments ([CAAA] of 1977 [P.L. 95-95]) to review the scientific criteria and the NAAQS for the six criteria air pollutants, and to provide independent scientific advice to the Agency as required by the CAAA and upon request from EPA.

What are the most significant program outcomes associated with this committee?

Checked if
Applies

Improvements to health or safety	<input checked="" type="checkbox"/>
Trust in government	<input type="checkbox"/>
Major policy changes	<input checked="" type="checkbox"/>
Advance in scientific research	<input checked="" type="checkbox"/>
Effective grant making	<input type="checkbox"/>
Improved service delivery	<input type="checkbox"/>
Increased customer satisfaction	<input type="checkbox"/>
Implementation of laws or regulatory requirements	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>

Outcome Comments

NA

What are the cost savings associated with this committee?

Checked if Applies

None	<input type="checkbox"/>
Unable to Determine	<input checked="" type="checkbox"/>
Under \$100,000	<input type="checkbox"/>
\$100,000 - \$500,000	<input type="checkbox"/>
\$500,001 - \$1,000,000	<input type="checkbox"/>
\$1,000,001 - \$5,000,000	<input type="checkbox"/>
\$5,000,001 - \$10,000,000	<input type="checkbox"/>
Over \$10,000,000	<input type="checkbox"/>
Cost Savings Other	<input type="checkbox"/>

Cost Savings Comments

The CASAC principally advises EPA on the scientific and technical aspects of issues related to air quality criteria and national ambient air quality standards (NAAQS) under sections 108 and 109 of the Clean Air Act (42 U.S.C. 7409). To accomplish this, the Committee reviews: (1) the Agency's integrated science assessments (ISA) which provide an assessment of the latest scientific information on the effects of a particular criteria air pollutant on the public health and welfare; (2) the associated risk and exposure assessments (REA); and (3) the Policy Assessment (PA), which evaluates the policy implications of the key scientific and technical information contained in EPA's associated ISA and REA. As there is typically a time lag of several years between the CASAC's review of the ISA, REA and PA and the issuance (if any) of revised NAAQS for a particular criteria air pollutant, and because the Committee's advice and

recommendations may or may not be accepted by EPA, at the Agency's discretion, any cost savings associated with the CASAC cannot be determined.

What is the approximate Number of recommendations produced by this committee for the life of the committee?

218

Number of Recommendations Comments

Each report is considered a recommendation. The number of recommendations above represents the number of reports for the life of the committee.

What is the approximate Percentage of these recommendations that have been or will be Fully implemented by the agency?

80%

% of Recommendations Fully Implemented Comments

NA

What is the approximate Percentage of these recommendations that have been or will be Partially implemented by the agency?

10%

% of Recommendations Partially Implemented Comments

Not Applicable

Does the agency provide the committee with feedback regarding actions taken to implement recommendations or advice offered?

Yes ☒ No ☐ Not Applicable ☐

Agency Feedback Comments

Within 45 days of receipt of written advice and recommendations from the CASAC (i.e., by means of a formal committee report), the Agency prepares a written response to the CASAC which both acknowledges the advice and recommendations and indicates how the Agency will address it. In most cases, this is followed by an oral presentation at the next CASAC meeting on the topic of the review (as applicable), along with a presentation of a revised version of the EPA document(s) originally reviewed.

What other actions has the agency taken as a result of the committee's advice or recommendation?

Checked if Applies

Reorganized Priorities	<input type="checkbox"/>
Reallocated resources	<input type="checkbox"/>
Issued new regulation	<input type="checkbox"/>
Proposed legislation	<input type="checkbox"/>
Approved grants or other payments	<input type="checkbox"/>
Other	<input checked="" type="checkbox"/>

Action Comments

The Agency revised regulations.

Is the Committee engaged in the review of applications for grants?

No

Grant Review Comments

NA

How is access provided to the information for the Committee's documentation?

Checked if Applies

Contact DFO	<input checked="" type="checkbox"/>
Online Agency Web Site	<input checked="" type="checkbox"/>
Online Committee Web Site	<input checked="" type="checkbox"/>
Online GSA FACA Web Site	<input checked="" type="checkbox"/>
Publications	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>

Access Comments

N/A