

2025 Current Fiscal Year Report: DOE/NSF Nuclear Science Advisory Committee

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1. Department or Agency

Department of Energy

2. Fiscal Year

2025

3. Committee or Subcommittee

DOE/NSF Nuclear Science Advisory
Committee

3b. GSA

Committee No.

1176

4. Is this New During Fiscal Year?

No

5. Current Charter

09/27/2023 09/27/2025

6. Expected Renewal Date

7. Expected Term Date

8a. Was Terminated During Fiscal Year?

No

8b. Specific Termination Authority

8c. Actual Term Date

9. Agency Recommendation for Next Fiscal Year

Continue

10a. Legislation Req to Terminate?

Not Applicable

10b. Legislation Pending?

Not Applicable

11. Establishment Authority

Agency Authority

12. Specific Establishment Authority

NSF Circular #109, Rev.
#3

13. Effective Date

08/11/1975

14. Committee Type

Continuing

14c. Presidential?

No

15. Description of Committee

Scientific Technical Program
Advisory Board

16a. Total Number of Reports

No Reports for
this Fiscal Year

17a. Open

0

17b. Closed

0

17c. Partially Closed

0

Other Activities

0

17d. Total

0

Meetings and Dates

No Meetings

	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. Administrative Costs (FRNs, contractor support, In-person/hybrid/virtual meetings)	\$0.00	\$0.00
18d. Other (all other funds not captured by any other cost category)	\$0.00	\$0.00
18e. Total Costs	\$0.00	\$0.00
19. Federal Staff Support Years (FTE)	0.00	0.00

20a. How does the Committee accomplish its purpose?

NSAC responds to charges, usually issued jointly by the National Science Foundation (NSF) and DOE. Most charges relate to issues surrounding facilities or general policy and are addressed by appointing a subcommittee consisting of NSAC members and members of the nuclear physics community. After fact finding and discussions in

response to specific questions posed by DOE and NSF, voting occurs to document acceptance any findings and of any corresponding recommendations. NSAC then transmits any resulting reports with accompanying recommendations. Every 5-7 years, NSAC is charged with preparing a long-range plan for the entire field of nuclear science. This is a broad-based activity easily involving 100-200 people, but is led and overseen by NSAC, which is responsible for the resulting report and its recommendations.

20b. How does the Committee balance its membership?

The membership of the committee has been carefully considered. Prioritizing diversity, equity, and inclusion and striving for a balance of disciplines, interests, expertise, points of view, and geographical location. Proposals for new members to replace departing members are reviewed by the Office of Science and DOE leadership to further insure NSAC membership is balanced and is fully aligned with Federal goals for balance and accessibility. The employers of NSAC members include but are not limited to, universities, national laboratories and Federal agencies. Ex officio non-voting representation includes: the chairs of the APS/Division of Nuclear Physics and the ACS/Division of Nuclear Chemistry.

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

NSAC meets at least twice per year, and as often as 3-4 times per year, depending upon the charges given to NSAC by the two agencies. An NSAC subcommittee organized in response to a charge may meet 5-6 times or more in carrying out

its work.

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

NSAC provides advice on scientific priorities from recognized scientific and technical experts with specialized knowledge and experience that represents a broad spectrum of views spanning the field and its institutional components. The information provided by NSAC cannot be obtained in other ways.

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

N/A

21. Remarks

This Committee is jointly commissioned by DOE and NSF with both agencies sharing the direction of NSAC. DOE is solely responsible for administrative and financial support of NSAC activity. In FY 2024 there was two charges presented to NSAC in FY 2024. The one charge was completed with the report on time. The other charge is due the fall of 2025.

Designated Federal Officer

Linda Horton Acting Associate Director of the Office of Science, for Nuclear Physics

Committee Members	Start	End	Occupation	Member Designation
Aidala, Christine	03/06/2023	04/30/2026	University of Michigan	Special Government Employee (SGE) Member
Caleron de la Barca Sanchez, Manuel	08/23/2024	04/30/2027	University of California	Special Government Employee (SGE) Member
Chipps, Kelly	03/06/2023	04/30/2026	Oak Ridge National Laboratory	Special Government Employee (SGE) Member

Cloet, Ian	03/06/2023	04/30/2026	Argonne National Laboratory	Special Government Employee (SGE) Member
Davoudi, Zohreh	07/02/2024	04/30/2027	University of Maryland	Special Government Employee (SGE) Member
Dodge, Gail	01/21/2021	04/30/2026	Old Dominion University	Special Government Employee (SGE) Member
Grinyer, Gwen	05/09/2024	04/30/2027	University of Regina	Special Government Employee (SGE) Member
Harton, Austin	03/06/2023	04/30/2026	Chicago State University	Special Government Employee (SGE) Member
Howell, Calvin	03/06/2023	04/30/2026	Duke University	Special Government Employee (SGE) Member
Illieva, Yordanka	03/06/2023	04/30/2026	University of South Carolina	Representative Member
Lee, Dean	04/01/2024	04/01/2025	Michigan State University	Ex Officio Member
Lopez, Jorge	03/06/2023	04/30/2026	University of Texas	Special Government Employee (SGE) Member
Ruan, Lijuan	03/06/2023	04/30/2026	Brookhaven National Laboratory	Special Government Employee (SGE) Member
Scarlett, Carol	03/06/2023	04/30/2026	Florida A&M University	Special Government Employee (SGE) Member
Tapia Takaki, Daniel	03/06/2023	04/30/2026	University of Kansas	Special Government Employee (SGE) Member
Teaney, Derek	03/06/2023	04/30/2026	Stony Brook University	Special Government Employee (SGE) Member
Walensky, Justin	01/01/2024	01/01/2025	University of Missouri	Ex Officio Member
Wietfeldt, Fred	01/21/2021	04/30/2025	Tulane University	Special Government Employee (SGE) Member

de Gouvea, Andre	03/06/2023	04/30/2026	Northwestern University	Special Government Employee (SGE) Member
sammarruca, Francesca	07/09/2024	04/30/2027	University of Idaho	Special Government Employee (SGE) Member

Number of Committee Members Listed: 20

Narrative Description

The mission of the DOE Nuclear Physics (NP) program is to conduct experimental and theoretical basic research in nuclear physics. The DOE/NSF Nuclear Science Advisory Committee (NSAC), upon request, provides advice to both agencies on determining priorities within the field of basic nuclear science research and helps to identify compelling research opportunities. NSAC reports to the Director, Office of Science and to the Assistant Director, Mathematical and Physical Sciences Directorate of the National Science Foundation.

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 checked="" type="checkbox"/>
Major policy changes	<input checked="" type="checkbox"/>
Advance in scientific research	<input checked="" type="checkbox"/>
Effective grant making	<input checked="" type="checkbox"/>
Improved service delivery	<input checked="" type="checkbox"/>
Increased customer satisfaction	<input checked="" 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

NA

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

187

Number of Recommendations Comments

Since April of 1978, 86 reports have been issued covering all aspects of user facilities, research, planning, and program management. NSAC recommendations are made in response to written charges from the agencies. Within a given charge there may be more than one area of recommendation that DOE/NSF requests. This number varies from year to year. These reports contain more than 187 separate and distinct recommendations with individual reports having as few as two and as many as fifteen recommendations. The Facilities Report for FY 2024 had 4 recommendations. Reports on progress and implementation made at subsequent Committee meetings and/or in writing are posted on the NSAC Committee website.

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

NA

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

Yes ☒ No ☐ Not Applicable ☐

Agency Feedback Comments

Both DOE and NSF communicate and report to NSAC on current activities in the context of implementing recommendations offered by NSAC at each meeting. Feedback is provided to the Committee by the Associate Director of Science for Nuclear Physics (DOE) and the Director of the Physics Division (NSF), or their designees. In addition, they provide verbal reports regarding NSAC activities to the nuclear science community at its annual divisional meetings. Also, on an annual basis, the Director for the Office of Science (DOE) and the Assistant Director of the Mathematics and Physical Science Directorate (NSF) provide feedback to NSAC via formal presentations at an NSAC Meeting. The information is available to the public on the NSAC Website:

<https://science.osti.gov/np/nsac>

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

Checked if Applies

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

Action Comments

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