

## 2024 Current Fiscal Year Report: DOE/NSF Nuclear Science Advisory Committee

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### 1. Department or Agency

Department of Energy

### 2. Fiscal Year

2024

### 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?

No

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

**20a. How does the Committee accomplish its purpose?**

NSAC responds to charges, usually issued jointly by 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 and national laboratories. 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 once 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 2023 there were no charges due to the Long Range Plan Charge given to NSAC in FY 2022. This charge took extensive time and extended effort. The approval resulting in a report that was voted on at the October 4, 2023 NSAC Meeting.

**Designated Federal Officer**

Timothy J. Hallman 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
Bedaque, Paulo	04/07/2022	04/30/2024	University of Maryland	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
Dodge, Gail	01/21/2021	04/30/2026	Old Dominion University	Special Government Employee (SGE) Member

Gao, Haiyan	04/01/2023	04/30/2024	Brookhaven National Laboratory	Ex Officio 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
Lopez, Jorge	03/06/2023	04/30/2026	University of Texas	Special Government Employee (SGE) Member
Lunardini, Cecilia	01/11/2022	04/30/2024	Lehigh University	Representative Member
Reed, Rosi	05/11/2022	04/30/2024	Lehigh University	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
Wietfeldt, Fred	01/21/2021	04/30/2025	Tulane University	Special Government Employee (SGE) Member
Wilson, Richard	01/01/2023	01/01/2024	Argonne National Laboratory	Ex Officio Member
de Gouvea, Andre	03/06/2023	04/30/2026	Northwestern University	Special Government Employee (SGE) Member
deSouza, Romualdo	04/07/2022	04/30/2024	Indiana University	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  
\$1,000,001 - \$5,000,000  
\$5,000,001 - \$10,000,000  
Over \$10,000,000  
Cost Savings Other

☐  
☐  
☐  
☐  
☐

**Cost Savings Comments**

NA

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

183

**Number of Recommendations Comments**

Since April of 1978, 84 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 183 separate and distinct recommendations with individual reports having as few as two and as many as fifteen 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?**

100%

**% 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?**

100%

**% 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 checked="" type="checkbox"/>

### Action Comments

Some NSAC reports, notably the annual Mo 99 report, have resulted in the initiation of, or stimulated progress toward, new DOE activities, such as the uranium lease and take-back program.

### 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



Online GSA FACA Web Site



Publications



Other



**Access Comments**

N/A