

2025 Current Fiscal Year Report: Advisory Committee for Nuclear Security

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1. Department or Agency

Department of Energy

2. Fiscal Year

2025

3. Committee or Subcommittee

Advisory Committee for Nuclear
Security

3b. GSA Committee

No.

83065

4. Is this New During Fiscal Year? **5. Current Charter** **6. Expected Renewal Date** **7. Expected Term Date**

No 01/08/2025 01/08/2027

8a. Was Terminated During Fiscal Year? **8b. Specific Termination Authority** **8c. Actual Term Date**

No

9. Agency Recommendation for Next Fiscal Year **10a. Legislation Req to Terminate?** **10b. Legislation Pending?**

Continue Not Applicable Not Applicable

11. Establishment Authority Agency Authority

12. Specific Establishment Authority **13. Effective Date** **14. Committee Type** **14c. Presidential?**

Agency Authority 11/27/2012 Continuing No

15. Description of Committee Other Committee

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 Next
FY 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?

The ACNS provides independent advice and recommendations to the DOE Under Secretary for Nuclear Security/NNSA Administrator on the stewardship and modernization of the Nation's nuclear stockpile and enterprise; nuclear nonproliferation and arms control; and counterterrorism and counterproliferation. Such issues include, but are not limited to; assessment of the U.S. nuclear weapons stockpile; the

science, technology and engineering infrastructure needed to maintain the U.S. stockpile and the overall U.S. nuclear deterrent; the U.S. nuclear weapons manufacturing and production complex facilities and related technologies; and how to integrate and leverage the science, products, and infrastructure of NNSA to address the complementary missions of nuclear deterrence, arms control, and nonproliferation.

20b. How does the Committee balance its membership?

ACNS's membership consists of not more than 15 members, comprised of recognized scientific and technical experts from scientific and academic communities and the national laboratories. Specific expertise relevant to the mission/function of the Committee includes: high energy density physics (HED), materials science, nuclear physics, advanced computing and simulation, nuclear weapon design, engineering development, industrial production, program management, nonproliferation, national security policy, and other related fields. Membership balance is not static given the broad nature of ACNS's mission.

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

The ACNS will meet periodically, approximately two to four times a year.

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

Nuclear security is a unique mission to NNSA. Members must hold a DOE "Q" security clearance. ACNS provides advice to the NNSA Administrator on how to effectively implement the enterprise's mission based on its foundation in national security strategy. The Committee will also

work to analyze management issues including facility operations and fiscal matters, along with identifying potential applications of capabilities to broader national security challenges. ACNS members draw on scientific and technical expertise to identify barriers to the effective execution of the NNSA Administrator's program objectives. ACNS also provides strategic management advice on where and how to focus the Program's resources to achieve maximum impact across the mission space.

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

The purpose of closing the ACNS meetings to hold discussions on topics identified above, is consistent with 5 U.S.C. § 552b(c)(1) and (3). These provisions provide that such meetings may be closed when the disclosure of information under criteria established by Executive Order are to be kept secret in the interests of national defense or foreign policy, and when information is specifically exempted from disclosure by statute. The information to be discussed at the meeting falls within the classification categories set forth in Executive Order 13526, Classified National Security Information (Dec. 29, 2009) and the Atomic Energy Act of 1954, 42 U.S.C. § 2161 and 2162, as amended.

21. Remarks

Three meetings were held in FY 2024, all hybrid, to approve reports and develop workplans for future efforts.

Designated Federal Officer

Jenna B. Honeycutt Senior Program Manager

Committee Members	Start	End	Occupation	Member Designation
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Cizewski, Jolie	12/08/2023	12/31/2026	Prof. Rutgers University	Special Government Employee (SGE) Member
Cook, Donald	07/08/2018	12/03/2024	Former Deputy Administrator DP	Special Government Employee (SGE) Member
Creedon, Madelyn	08/01/2023	12/31/2026	Former Principal Deputy Administrator, NNSA	Special Government Employee (SGE) Member
Goldstein, William	04/13/2023	12/31/2026	Former Director, Livermore National Laboratory	Special Government Employee (SGE) Member
Graham, Samuel	04/13/2023	12/31/2026	Dean, of the A. James Clark School of Engineering, U MD	Special Government Employee (SGE) Member
Harvey, John	07/08/2018	10/01/2024	Former Principal Deputy Ass Sec of Def for NCB	Special Government Employee (SGE) Member
Hayes, Robert	04/13/2023	12/31/2026	Associate Professor of Nuclear Engineering	Special Government Employee (SGE) Member
Hommert, Paul	04/13/2023	12/31/2026	Former Director, Sandia National Laboratories	Special Government Employee (SGE) Member
Johnson, Stephen	12/22/2016	12/31/2026	Former Director, Strategic Systems Programs	Special Government Employee (SGE) Member
Kurfess, Tom	04/16/2023	12/31/2026	Professor of Mechanical Engineering, Georgia Tech.	Special Government Employee (SGE) Member
Pozzi, Sara	04/13/2023	12/31/2026	Professor of Nuclear Engineering, University of Michigan	Special Government Employee (SGE) Member
Rollett, Anthony	10/22/2018	12/31/2026	Carnegie Mellon University	Special Government Employee (SGE) Member

Number of Committee Members Listed: 12

Narrative Description

The NNSA is committed to examining its programs, challenges,

and future direction in order to move the enterprise forward. The ACNS will provide NNSA leadership with independent recommendations from experts regarding how to deliver the mission more efficiently and effectively while keeping pace with threats and evolving conditions. The ACNS will provide insight on the stewardship and modernization of the Nation's nuclear stockpile and enterprise, nuclear nonproliferation and arms control, and counterterrorism and counter proliferation. The Committee will advise NNSA leadership on topics including plutonium, modern materials, workforce and infrastructure strategies.

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

Checked if
Applies

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

Outcome Comments

Not Applicable

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
Cost Savings Other

☐
☐

Cost Savings Comments

The ACNS makes recommendations which include comments on prioritization and efficient use of funds within NNSA. If adopted these recommendations may result in cost avoidance or more efficient use of available funds but are not quantifiable.

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

87

Number of Recommendations Comments

Since 2013 there have been 9 reports issued with 87 recommendations on a variety of topics including plutonium, high performance computing, workforce needs, and the nonproliferation program. In FY 2024, 4 reports were issued with 36 recommendations.

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

56%

% of Recommendations Fully Implemented Comments

NNSA seriously considers every recommendation made by the ACNS and attempts to fully implement the majority of them. Financial, administrative and other restrictions prevent some of the recommendations from being fully implemented.

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

44%

% of Recommendations Partially Implemented Comments

Not all of the recommendations can be fully implemented due to lack of funding, regulation, legal requirements and other such factors. NNSA attempts to implement those recommendations that are not or cannot be fully implemented. It is estimated that 44% are partially implemented or not implemented at all.

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

Yes ☒ No ☐ Not Applicable ☐

Agency Feedback Comments

NNSA provides an update to the committee on the implementation status of its recommendations when the committee formally meets.

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 type="checkbox"/>

Action Comments

Not Applicable

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

No

Grant Review Comments

Not Applicable

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

Checked if Applies

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

Access Comments

The initial charge to the committee was presented at the Committee's first meeting. All meetings have been closed citing the national security and classified information exemption in the Government in the Sunshine Act.