

2025 Current Fiscal Year Report: Proposal Review Panel for Chemical, Bioengineering, Environmental, and Transport Systems

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1. Department or Agency	2. Fiscal Year
National Science Foundation	2025
3. Committee or Subcommittee	3b. GSA Committee No.

Proposal Review Panel for Chemical, Bioengineering, Environmental, and Transport Systems	1189
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4. Is this New During Fiscal Year?	5. Current Charter	6. Expected Renewal Date	7. Expected Term Date
No	06/28/2024	06/28/2026	

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	No	Not Applicable

11. Establishment Authority	Agency Authority
12. Specific Establishment Authority	13. Effective Date
ADM IV-100	08/30/1990
14. Committee Type	14c. Presidential?
Continuing	No

15. Description of Committee Grant Review 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 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 division supports research in the following areas: Chemical, Biochemical, and Biotechnology Systems; Bioengineering and Engineering Healthcare; Environmental Engineering and Sustainability; Transport and Thermal Fluids. CBET has had many special emphasis panel meetings during the past fiscal year. Each panel successfully ranked the proposals for the programs for which it served. Panel results and deliberations are used to assist program officers with advice and are also provided to the engineering community.

20b. How does the Committee balance its membership?

The panel members offered the perspectives of academia, industry, and government. Minority, women, and persons with disabilities were also represented at the meetings. Members provided advice and recommendations regarding a wide range of proposals, including unsolicited and CAREER applications. The program staff found such advice and recommendations invaluable.

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

CBET meetings were held after the closing date of each program announcement or proposal deadlines. On the average each panel reviewed approximately 40 proposals and provided a knowledgeable balanced review of proposals.

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

Panel review in combination with mail review can provide judgments about the comparative merits within a group of proposals. Much better judgment and timeliness of reviews is obtained from the interaction of such experts with each other. This is possible only in panel review. Individual proposals receive balanced review due to the interaction process.

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

To review proposals that included information of a proprietary or confidential nature, including technical information; financial data such as salaries; personal information concerning individuals associated with the proposals; and more candid reviews are obtained.

21. Remarks

N/A

Designated Federal Officer

Jeanne VanBriesen Division Director

Narrative Description

The NSF mission is set out in the NSF Act of 1950 authorizes and directs the Agency to initiate and support: basic scientific research and research fundamental to the engineering process; and science and engineering education programs at all levels and in all fields of science and engineering. The involvement of knowledgeable peers from outside the Foundation in the review of proposals is the keystone of NSF's proposal review system. Their judgments of the extent to which proposals address the merit review criteria are vital for informing NSF staff and influencing funding recommendations.

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 checked="" type="checkbox"/>
Improved service delivery	<input type="checkbox"/>
Increased customer satisfaction	<input type="checkbox"/>
Implementation of laws or regulatory requirements	<input 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 use of panelists to review proposals for the Agency is an invaluable asset. The cost of obtaining the expertise, insight, and information received by the Division using alternative methods, such as hiring the expertise as full or part-time employees, would be extremely high.

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

1,596

Number of Recommendations Comments

This is an ongoing committee. Therefore, the number of recommendations produced by the committee is for the fiscal year.

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

The word implement is not applicable to grant review panels. All recommendations are considered by the agency.

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

0%

% of Recommendations Partially Implemented Comments

Not applicable. Please see answer directly above.

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

Yes ☒ No ☐ Not Applicable ☐

Agency Feedback Comments

Although panelists may not receive direct feedback, each committee member may use the NSF FastLane, a public web-based program, which provides information on awards made by the agency to determine the outcome of proposals reviewed by the panel.

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 checked="" type="checkbox"/>
Other	<input type="checkbox"/>

Action Comments

NA

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

Yes

What is the estimated **Number** of grants reviewed for approval

What is the estimated **Number** of grants recommended for approval 1,524
390

What is the estimated **Dollar Value** of grants recommended for approval
\$169,592,886

Grant Review Comments

The panelists/advisory committee members provided information on the merit of the proposal, which includes an overall rating. The number of proposals above includes pre-proposals submitted to NSF for review. The pre-proposals are not included in the number of "grants recommend" or "dollar value of grants" recommended for approval.

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

Checked if Applies

Contact DFO ☒

Online Agency Web Site
Online Committee Web Site
Online GSA FACA Web Site
Publications
Other

☐
☐
☐
☐
☐

Access Comments

N/A