

# 2025 Current Fiscal Year Report: Proposal Review Panel for Civil, Mechanical, and Manufacturing Innovation

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|   |   |                                  |                              |
|---|---|----------------------------------|------------------------------|
| <b>1. Department or Agency</b>  |   | <b>2. Fiscal Year</b>            |                              |
| National Science Foundation   |   | 2025                             |                              |
| <b>3. Committee or Subcommittee</b>                                       |   | <b>3b. GSA Committee No.</b>     |                              |
| Proposal Review Panel for Civil, Mechanical, and Manufacturing Innovation |   | 1194                             |                              |
| <b>4. Is this New Fiscal Year?</b>  | <b>5. Current Charter</b>                 | <b>6. Expected Renewal Date</b>  | <b>7. Expected Term Date</b> |
| No  | 06/28/2024                                | 06/28/2026                       |                              |
| <b>8a. Was Terminated During Fiscal Year?</b>                             | <b>8b. Specific Termination Authority</b> |                                  | <b>8c. Actual Term Date</b>  |
| No  |   |                                  |                              |
| <b>9. Agency Recommendation for Next Fiscal Year</b>                      | <b>10a. Legislation Req to Terminate?</b> | <b>10b. Legislation Pending?</b> |                              |
| Continue  | No  | Not Applicable                   |                              |
| <b>11. Establishment Authority</b> Agency Authority                       |   |                                  |                              |
| <b>12. Specific Establishment Authority</b>                               | <b>13. Effective Date</b>                 | <b>14. Committee Type</b>        | <b>14c. Presidential?</b>    |
| ADM IV-100  | 08/16/1990                                | Continuing                       | No                           |
| <b>15. Description of Committee</b> Grant Review Committee                |   |                                  |                              |
| <b>16a. Total Number of Reports</b>                                       | No Reports for this Fiscal Year           |                                  |                              |
| <b>17a. Open</b>  | <b>17b. Closed</b>                        | <b>17c. Partially Closed</b>     | <b>Other Activities</b>      |
| 0   | 0   | 0                                | 0                            |
| <b>17d. Total</b>   |   |                                  |                              |
| 0   |   |                                  |                              |
| <b>Meetings and Dates</b>   |   |                                  |                              |
| No Meetings   |   |                                  |                              |

|   | Current<br>FY | Next<br>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?**

These panels reviewed approximately 2,007 unsolicited proposals submitted to the six Division program elements as well as submissions in response to special initiatives (i.e., EPA/NSF, NSF/DARPA initiatives, etc.) and NSF-wide annual solicitations (CAREER, REG, MRI, SBIR, NIRT, NER, NSEC). These panels review and make recommendations for the disposition of 95% of the proposals received in the Division. The other 5% are mail reviewed and, in special cases, internally reviewed.

**20b. How does the Committee balance its membership?**

Membership in all panels reflects an appropriate mix of academic and industrial expertise in accordance with each program area. Efforts are also made to reflect an appropriate balance of women, minorities and disabled members, as well as geographic representation.

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

During FY24 167 proposal review panels were held to review these proposals.

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

The only other option for the proposal review process is mail review. This option is not feasible given the current volume of proposals received in the Division of Civil, Mechanical and Manufacturing Innovation (CMMI). Further, it is our assessment that providing the opportunity for reviewers to discuss and compare proposals improves the quality of the review process.

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

To review proposals that included information of a proprietary nature, including technical information; financial data, such as salaries; and personal information concerning individuals associated with the proposals.

**21. Remarks**

None

**Designated Federal Officer**

Daniel Linzell Director, CMMI

### **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  
\$1,000,001 - \$5,000,000  
\$5,000,001 - \$10,000,000  
Over \$10,000,000  
Cost Savings Other

☐  
☐  
☐  
☐  
☐

### **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?**

2,027

### **Number of Recommendations Comments**

The number of recommendations 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 2,007  
314

What is the estimated Dollar Value of grants recommended for approval  
\$142,649,779

**Grant Review Comments**

The panelists/advisory committee members provided information on the merit of the proposal, which includes an overall ratingThe 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               | <input checked="" type="checkbox"/> |
| Online Agency Web Site    | <input type="checkbox"/>            |
| Online Committee Web Site | <input type="checkbox"/>            |
| Online GSA FACA Web Site  | <input type="checkbox"/>            |
| Publications              | <input type="checkbox"/>            |
| Other                     | <input type="checkbox"/>            |

**Access Comments**

N/A