

2024 Current Fiscal Year Report: Scientific Earthquake Studies Advisory Committee

Report Run Date: 03/29/2024 06:07:00 AM

1. Department or Agency

Department of the Interior

2. Fiscal Year

2024

3. Committee or Subcommittee

Scientific Earthquake Studies Advisory
Committee

3b. GSA

Committee No.

12152

4. Is this New During Fiscal Year?

No

5. Current Charter

08/31/2022 08/31/2024

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

Statutory (Congress Created)

12. Specific Establishment Authority

P.L. 106-503

13. Effective Date

11/13/2000

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 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. 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 Advisory Committee advises the Director on matters relating to the United States Geological Survey's (USGS) participation in the National Earthquake Hazards Reduction Program, including the United States Geological Survey's roles, goals and objectives within that Program, its capabilities and research needs, guidance on achieving major objectives, and establishing and measuring performance goals. The Advisory Committee shall issue an annual report to the Director of the USGS for submission to Congress on or before September 30 of each year.

20b. How does the Committee balance its membership?

Individuals are qualified in the seismic sciences and other appropriate fields. Selection of individuals to serve on the SESAC shall be based on established records of distinguished service, ensuring a reasonable cross-section of views, experience, expertise, and diversity is represented. Selection will consider recommendations from the National Academy of Sciences, professional societies, and other appropriate organizations. Due consideration is given to recommendations from the National Academy of Sciences, institutions that serve historically underrepresented communities professional societies, and other appropriate organizations.

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

Estimated Number of Meetings per Year - 2

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

The Advisory Committee is established pursuant to the Earthquake Hazards Reduction Authorization Act of 2000 (Public Law 106-503). The Committee advises the Director of the USGS on matters relating to the USGS's participation in the National Earthquake Hazards Reduction Program, including roles, goals, and objectives within that Program.

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

N/A

21. Remarks

The Advisory Committee met twice in FY 2023 (November 2022, May 2023).

Designated Federal Officer

Gavin P Hayes Senior Science Advisor for
Earthquake & Geologic Hazards

Committee Members	Start	End	Occupation	Member Designation
Abercrombie, Rachael	12/07/2021	12/31/2024	Boston University	Special Government Employee (SGE) Member
Anderson, John	12/07/2021	12/31/2024	University of Nevada - Reno	Special Government Employee (SGE) Member
Hamburger, Michael	12/07/2021	12/31/2024	Indiana University	Special Government Employee (SGE) Member
Long, Maureen	12/07/2021	12/31/2024	Yale University	Special Government Employee (SGE) Member
Melbourne, Timothy	12/07/2021	12/31/2024	Central Washington University	Special Government Employee (SGE) Member
Meltzer, Anne	12/07/2021	12/31/2024	Lehigh University	Special Government Employee (SGE) Member
Pekelnicky, Robert	12/07/2021	12/31/2024	Degenkolb Engineers	Special Government Employee (SGE) Member
Velasco, Aaron	12/07/2021	12/31/2024	University of Texas at El Paso	Special Government Employee (SGE) Member
Ausbrooks, Scott [Advanced National Seismic System Subcommittee]	11/03/2022	11/03/2025	Arkansas Geological Survey	Representative Member
Briggs, Jeff [Advanced National Seismic System Subcommittee]	11/03/2022	11/03/2025	AECOM	Representative Member
Busby, Robert [Advanced National Seismic System Subcommittee]	11/03/2022	11/03/2025	Incorporated Research Institutions for Seismology	Representative Member
Crouse, C.B. [Advanced National Seismic System Subcommittee]	11/03/2022	11/03/2025	AECOM	Representative Member
Ford, Sean [Advanced National Seismic System Subcommittee]	11/03/2022	11/03/2025	Lawrence Livermore National Laboratory	Representative Member

Gregor, Nick [Advanced National Seismic System Subcommittee]	11/03/2022	11/03/2025	Bechtel	Representative Member
Hardebeck, Jeanne [Advanced National Seismic System Subcommittee]	11/03/2022	11/03/2025	U.S. Geological Survey, Menlo Park, California	Regular Government Employee (RGE) Member
Hodgkinson, Kathleen [Advanced National Seismic System Subcommittee]	11/03/2022	11/03/2025	Sandia Laboratories	Representative Member
Kolozvari, Kristijan [Advanced National Seismic System Subcommittee]	11/03/2022	11/03/2025	California State University, Fullerton	Representative Member
Long, Maureen [Advanced National Seismic System Subcommittee]	11/03/2022	11/03/2025	Yale University	Representative Member
Shelly, David [Advanced National Seismic System Subcommittee]	11/03/2022	11/03/2025	U.S. Geological Survey, Golden, CO	Regular Government Employee (RGE) Member
Wong, Ivan [Advanced National Seismic System Subcommittee]	11/03/2022	11/03/2025	Lettis Consultants International	Representative Member
Anderson, John [National Seismic Hazard Model Subcommittee]	11/03/2022	11/03/2025	University of Nevada, Reno	Representative Member
Atkinson, Gail [National Seismic Hazard Model Subcommittee]	11/03/2022	11/03/2025	Western University	Representative Member
Baker, Jack [National Seismic Hazard Model Subcommittee]	11/03/2022	11/03/2025	Stanford University	Representative Member
Campbell, Ken [National Seismic Hazard Model Subcommittee]	11/03/2022	11/03/2025	CoreLogic, Inc.	Representative Member
DeShon, Heather [National Seismic Hazard Model Subcommittee]	11/03/2022	11/03/2025	Southern Methodist University	Representative Member
Jordan, Tom [National Seismic Hazard Model Subcommittee]	11/03/2022	11/03/2025	University of Southern California	Representative Member
Nelson, Keith [National Seismic Hazard Model Subcommittee]	11/03/2022	11/03/2025	U.S. Army Corps of Engineers	Regular Government Employee (RGE) Member
Shome, Nilesh [National Seismic Hazard Model Subcommittee]	11/03/2022	11/03/2025	Risk Management Solutions	Representative Member

Number of Committee Members Listed: 28

Narrative Description

The Scientific Earthquake Studies Advisory Committee was established to advise the Director of the U.S. Geological Survey on matters relating to that agency's participation in the National Earthquake Hazards Reduction Program. The charge includes review of the USGS Earthquake Hazards Program roles, goals, and objectives, assessment of its capabilities and research needs, guidance on achieving major objectives, and establishment of performance goals.

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 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 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
Cost Savings Other

☐
☐

Cost Savings Comments

If the Committee's recommendations are acted on and effective, the cost savings would be measured in terms of losses avoided during earthquake disasters.

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

31

Number of Recommendations Comments

There were seven (7) new recommendations in FY23.

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

77%

% of Recommendations Fully Implemented Comments

Of 31 total recommendations, 24 have been fully implemented.

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

6%

% of Recommendations Partially Implemented Comments

Of 31 total recommendations, two are partially implemented.

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

Yes ☐ No ☐ Not Applicable ☒

Agency Feedback Comments

The committee met in November 2022, and discussed the feedback letter provided at the close of FY22. The committee met again in May 2023, and provided feedback by a new letter in September 2023. All letters are archived at the USGS SESAC website, <https://www.usgs.gov/programs/earthquake-hazards/scientific-earthquake-studies-advisory-comi>

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

Action Comments

The USGS uses the committee's recommendations to guide the Earthquake Hazards Program.

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

No

Grant Review Comments

The committee is advisory not decision-making.

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

Access Comments

online agency web site:

<https://www.usgs.gov/programs/earthquake-hazards/scientific-earthquake-studies-advisory-com>