

2024 Current Fiscal Year Report: Basic Energy Sciences Advisory Committee

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1. Department or Agency

Department of Energy

2. Fiscal Year

2024

3. Committee or Subcommittee

Basic Energy Sciences Advisory
Committee

3b. GSA Committee No.

133

4. Is this New Fiscal Year?

No

5. Current Charter

07/26/2023

6. Expected Renewal Date

07/26/2025

7. Expected Term Date

8a. Was Terminated During Fiscal Year?

No

8b. Specific Termination Authority

AGEN

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

AGEN

13. Effective Date

09/04/1986

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 Committee accomplishes its goals through panels convened by the Chair on specific topics and through meetings of the whole Committee. The Committee provides valuable, independent advice to the Department on the Basic Energy Sciences program on complex scientific and technical issues that arise in the planning, management, and implementation of the program, including advice on the strategic long-term planning necessary for establishing research and facilities priorities, determining proper program balance, and identifying the appropriate vehicles for interlaboratory collaboration and industrial participation.

20b. How does the Committee balance its membership?

The Committee includes representatives from the federal laboratories, industrial firms, universities, and other federal agencies involved in energy-related scientific research. Particular attention was paid to obtaining diversity and a balance of disciplines, interests, experiences, points of view, and geography.

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

The full committee met three times in FY 2023. The agenda of the meetings relate specifically to programs and facilities managed by the Office of Basic Energy Sciences.

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

The Office of Basic Energy Sciences is diverse and plays a significant role in the Nation's basic research effort. The scientific experience of the Committee is not available within the Department of Energy or within its existing committees. Continuance of the Committee is essential to the Department especially in determining research and facility priorities.

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

Not applicable.

21. Remarks

N/A

Designated Federal Officer

Linda Horton Associate Director, Office of Basic Energy Sciences

Committee Members	Start	End	Occupation	Member Designation
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Allison, John	08/18/2021	12/31/2025	University of Michigan	Special Government Employee (SGE) Member
Archer, Lynden	08/20/2021	12/31/2023	Cornell University	Special Government Employee (SGE) Member
Bent, Stacey	08/09/2021	12/31/2023	Stanford University	Special Government Employee (SGE) Member
Berry, Joseph	06/29/2022	12/31/2024	National Renewable Energy Laboratory	Special Government Employee (SGE) Member
Broderick, Joan	03/07/2019	12/31/2023	Montana State University	Special Government Employee (SGE) Member
Chen, Donna	04/24/2023	12/31/2025	University of South Carolina	Special Government Employee (SGE) Member
Chen, Lin	08/11/2021	12/31/2024	Argonne National Lab	Special Government Employee (SGE) Member
Cooper, Valentino	04/20/2023	12/31/2025	Oak Ridge National Laboratory	Special Government Employee (SGE) Member
Daniels-Race, Theda	07/06/2022	12/31/2024	Louisiana State University	Special Government Employee (SGE) Member
Datye, Abhaya	06/22/2022	12/31/2023	University of New Mexico	Special Government Employee (SGE) Member
DeBeer, Serena	04/24/2023	12/31/2025	Max Plank Institute	Special Government Employee (SGE) Member
Dobbins, Tabbetha	06/28/2022	12/31/2024	Rowan University	Special Government Employee (SGE) Member
Dosch, Helmut	02/23/2017	12/31/2023	DESY	Representative Member
Epps, Thomas	03/07/2019	12/31/2023	University of Delaware	Special Government Employee (SGE) Member

Friend, Cynthia	02/23/2017	12/31/2023	Kavli Institute	Special Government Employee (SGE) Member
Gagliardi, Laura	08/10/2021	12/31/2025	University of Chicago	Special Government Employee (SGE) Member
Garcia, Jeannette	08/16/2021	12/31/2025	IBM Almaden Research Center	Special Government Employee (SGE) Member
Gibson, J. Murray	08/20/2021	12/31/2023	FAMU-FSU College of Engineering	Special Government Employee (SGE) Member
Guggilla, Padmaja	06/22/2022	12/31/2023	Alabama A&M	Special Government Employee (SGE) Member
Guzman, Javier	08/10/2021	12/31/2025	ExxonMobil Research & Engineering	Special Government Employee (SGE) Member
Haile, Sossina	06/28/2022	12/31/2024	Northwestern University	Special Government Employee (SGE) Member
Huq, Ashfia	04/19/2023	12/31/2025	Sandia National Laboratory (CA)	Special Government Employee (SGE) Member
Kastner, Marc	02/23/2017	12/31/2023	Retired	Special Government Employee (SGE) Member
Krusin-Elbaum, Lia	07/06/2022	12/31/2023	City College of New York - CUNY	Special Government Employee (SGE) Member
Lester, Marsha	08/10/2021	12/31/2023	University of Pennsylvania	Special Government Employee (SGE) Member
Mallapragada, Surya	04/21/2023	12/31/2025	Iowa State University/ Ames National Laboratory	Special Government Employee (SGE) Member
Mason, Nadya	06/28/2022	12/31/2024	University of Illinois, Urbana-Champaign	Special Government Employee (SGE) Member
Meng, Shirley	08/12/2021	12/31/2023	Argonne National Laboratory	Special Government Employee (SGE) Member

Montaño, Gabriel	04/20/2023	12/31/2025	University of New Mexico	Special Government Employee (SGE) Member
Ourmazd, Abbas	02/23/2017	12/31/2024	University of Wisconsin-Milwaukee	Special Government Employee (SGE) Member
Rodriguez, Jose	04/14/2022	12/31/2024	Brookhaven National Laboratory	Representative Member
Segalman, Rachel	06/23/2022	12/31/2024	University of California, Santa Barbara	Special Government Employee (SGE) Member
Takeuchi, Esther	02/11/2016	12/31/2024	Stony Brook University	Special Government Employee (SGE) Member
Tway, Cathy	07/06/2022	12/31/2024	Johnson Matthey	Special Government Employee (SGE) Member

Number of Committee Members Listed: 34

Narrative Description

The Basic Energy Sciences Advisory Committee (BESAC), established on September 4, 1986, provides valuable, independent advice to the Department of Energy on the Basic Energy Sciences program regarding the complex scientific and technical issues that arise in the planning, management, and implementation of the program. BESAC's recommendations include advice on establishing research and facilities priorities; determining proper program balance among disciplines; and identifying opportunities for interlaboratory collaboration, program integration, and industrial participation. The Committee primarily includes representatives of universities, federal laboratories, industrial firms and other federal agencies involved in energy-related scientific research. Particular attention is paid to obtaining a diverse membership with a balance of disciplines, interests, experiences, points of view, and geography.

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 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

NA

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

616

Number of Recommendations Comments

Since September, 1986, 88 reports have been issued covering all aspects of user facilities, research, planning, and program management for the Office of Basic Energy Sciences. These reports contain more than 616 separate and distinct recommendations with individual reports as few as five and as many as fifty recommendations The

recommendations of the Committee vary from well-defined scientific recommendations to extremely general programmatic recommendations.

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

80%

% of Recommendations Fully Implemented Comments

All separate and distinct recommendations have been evaluated and considered and an estimated 80% or more have been implemented. It should be noted that some recommendations are either financially or administratively impractical or impossible to fully implement.

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

20%

% of Recommendations Partially Implemented Comments

An attempt is always made to at least partially implement those recommendations that are not or cannot be fully implemented. A small fraction, estimated at 5% or less, of individual recommendations are not implemented. As noted above, some recommendations are either financially or administratively impractical or impossible to fully implement.

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 Department provides BESAC and the scientific community feedback during the Full Committee Meetings and through its program management activities. The public can visit <http://science.osti.gov/bes/> to see information on agency feedback.

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

☐

Other

☐

Action Comments

NA

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

☒

Online Agency Web Site

☒

Online Committee Web Site

☒

Online GSA FACA Web Site

☒

Publications

☒

Other

☐

Access Comments

N/A