

2024 Current Fiscal Year Report: Electricity Advisory Committee

Report Run Date: 04/20/2024 12:23:16 AM

1. Department or Agency

Department of Energy

2. Fiscal Year

2024

3. Committee or Subcommittee

Electricity Advisory Committee

3b. GSA Committee No.

34749

4. Is this New During Fiscal Year?

5. Current Charter	6. Expected Renewal Date	7. Expected Term Date
--------------------	--------------------------	-----------------------

No 08/05/2022 08/05/2024

8a. Was Terminated During Fiscal Year?

No

8b. Specific Termination Authority

N/A

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

Energy Policy Act of 2005;
Energy Independence and
Security Act, 2007

13. Effective Date

14. Committee Type	14c. Presidential?
--------------------	--------------------

08/08/2005 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 17d. Total 0

Other Activities 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 EAC conducts the following activities (A-G):

- (A) Advise DOE on current and future electric grid resilience, security, reliability, sector interdependence, and policy issues of concern;
- (B) Periodically review and make recommendations on DOE electric grid-related programs and initiatives, including electricity-related R&D programs and modeling efforts;
- (C) Identify emerging issues related to production, delivery, end-use, reliability, security, resilience, modeling and electric utility regulation, and make recommendations, if appropriate, concerning DOE policy and initiatives;
- (D) Make recommendations on how DOE can address the growing interdependence of and risk to critical and defense critical electric infrastructure and other critical sectors such as defense, communications,

and transportation; (E) Advise on coordination between DOE, state, tribal, territorial, and regional officials and the private sector on matters affecting production, delivery, end-use, reliability, resilience, security, and electric utility regulation; (F) Advise on coordination between Federal, State, tribal, territorial, and regional officials and the private sector in the event of supply disruption or other emergencies related to electricity transmission, generation, and distribution; and (G) Make recommendations to the Department on how to best implement programs or policies directly affecting all components of the electric grid and its operations, as appropriate. The Committee, with DOE approval, has established three Subcommittees: The Subcommittees are: 1) Smart Grid Subcommittee, 2) Energy Storage Technologies Subcommittee, and 3) Grid Resilience for National Security Subcommittee. The Smart Grid and Energy Storage Technologies Subcommittees were formed in response to the Energy Independence and Security Act of 2007 and seek to accomplish the statutory requirements therein. The Subcommittees produce reports, memos to the Department, opinion letters, white papers and other materials to submit to the full Committee that, upon approval, are then be submitted to the Department of Energy (DOE).

20b. How does the Committee balance its membership?

Under its charter, the EAC may have approximately 35 members, including the chair. Members shall be experts in their respective fields and appointed as special Government employees (SGEs), or representatives of entities including, but not limited to, state governments, regional planning entities, electric utilities, equipment manufacturers, construction and architectural

companies, environmental, energy and consumer groups, academia and other electricity-related organizations, should the EAC's task require such representation.

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

In FY 2023, the EAC met four times: (1) October 26–27, 2022; (2) February 15–16, 2023; (3) April 21, 2023; and (4) June 7–8, 2023. The purpose of the October 2022 meeting was to: (a) receive updates on DOE Office of Electricity and Grid Deployment Office programs and initiatives; (b) receive presentations on DOE's energy storage activities, the North American Electric Reliability Corporation's 2022 Winter Assessment, and the Energy Information Administration's 2022 Outlook; (c) hold a panel on improving planning processes for electric vehicle infrastructure development; (d) receive subcommittee updates; and (e) deliberate and hold a vote on the "Section 8008 Voluntary Model Pathways for Modernizing the Electric Grid - Executive Summary" EAC work product. The purpose of the February 2023 meeting was to: (a) receive updates on DOE Office of Electricity programs and initiatives; (b) receive presentations on DOE Office of Electricity distribution design and planning activities as well as the North American Energy Resilience Model program; (c) hold a panel on hurricane resiliency; (d) receive subcommittee updates; and (c) deliberate and hold a vote on the "Section 8008 Voluntary Model Pathways for Modernizing the Electric Grid - Expanded Recommendations" and "2022 Biennial Energy Storage Review" EAC work products. The purpose of the April 2023 meeting was to deliberate and hold a vote on the "Recommendations Concerning National Transmission Corridors" EAC work product. The

purpose of the June 2023 meeting was to: (a) receive updates on DOE Office of Electricity programs and initiatives; (b) hold panels on facilitating a transforming grid and understanding the issues surrounding distribution edge resources; (c) receive subcommittee updates; and (d) receive a presentation, deliberate, and vote on the "Conceptual Basis for Evaluating Resilience Capabilities" EAC work product.

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

The Electricity Advisory Committee (EAC) was established to assist the Office of Electricity Delivery and Energy Reliability (OE) in implementing provisions of the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007 that require DOE to take advisory committee input, helping DOE facilitate modernization of the Nation's electricity delivery infrastructure and provides advice to the Assistant Secretary for Electricity Reliability and Energy Delivery on subjects requiring specific technical expertise that does not exist within the Department or elsewhere.

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

All meetings of the EAC are open to the public and are noticed in the Federal Register.

21. Remarks

N/A

Designated Federal Officer

Jayne Faith Management and Program Analyst,
Office of Electricity

Committee Members	Start	End	Occupation	Member Designation
----------------------	-------	-----	------------	-----------------------

Allan, Sharon	07/01/2020	06/30/2024	Smart Electric Power Alliance (retired)	Representative Member
Ayers, Christopher	02/01/2018	06/30/2024	North Carolina Utilities Commission Public Staff	Special Government Employee (SGE) Member
Azar, Lauren	10/01/2021	06/30/2025	Azar Law LLC	Special Government Employee (SGE) Member
Barbeau, Andrew	10/01/2021	06/30/2025	The Accelerate Group	Representative Member
Bialek, Tom	07/01/2018	06/30/2024	Toumetis	Representative Member
Brooks, Daniel	07/01/2020	06/30/2024	Electric Power Research Institute	Representative Member
Chen, Jennifer	10/01/2021	06/30/2025	World Resources Institute	Special Government Employee (SGE) Member
Cummings, Robert	07/01/2018	06/30/2024	Red Yucca Power Consulting	Special Government Employee (SGE) Member
Denbow, Kimberly	07/01/2018	06/30/2024	American Gas Association	Representative Member
Fellon, Andrew	07/01/2018	06/30/2024	Alliance Advisory Services	Representative Member
Finkel, Louis	08/25/2022	06/30/2024	National Rural Electric Cooperative Association	Representative Member
Frantzis, Lisa	10/01/2021	06/30/2025	Guidehouse	Special Government Employee (SGE) Member
Givens, Sheri	02/01/2018	06/30/2024	Smart Electric Power Alliance	Special Government Employee (SGE) Member
Glover, Paula	07/01/2023	06/30/2025	Alliance to Save Energy	Representative Member
Gugel, Howard	08/25/2022	06/30/2024	North American Electric Reliability Corporation	Representative Member
Haq, Aliya	07/01/2023	06/30/2025	Breakthrough Energy	Representative Member
Harrell, Brian	10/01/2021	06/30/2025	Avangrid	Representative Member

Henriksen, Missy	07/01/2023	06/30/2025	Center for Energy Workforce Development	Representative Member
Herlong, Dave	07/01/2020	06/30/2024	NextEra Energy	Representative Member
Hurtado, Mario	10/01/2021	06/30/2025	Luma Energy LLC	Representative Member
Infante, Lola	02/01/2018	06/30/2024	Electric Power Research Institute	Special Government Employee (SGE) Member
Kiesling, Lynne	10/01/2021	06/30/2025	University of Colorado-Denver College of Engineering, Design and Computing	Special Government Employee (SGE) Member
Koplin, Clay	07/01/2018	06/30/2024	Cordova Electric Cooperative	Special Government Employee (SGE) Member
Lee, Robert	07/01/2020	06/30/2024	Dragos	Special Government Employee (SGE) Member
Lipscomb, Brian	10/01/2021	06/30/2025	Energy Keepers, Inc.	Representative Member
Lowen, Nicole	07/01/2020	06/30/2024	Hawaii House of Representatives	Representative Member
Martinez, Monica	10/01/2021	06/30/2025	Ruben Strategy Group LLC	Representative Member
Matthews, Jessica	10/01/2021	06/30/2025	Uncharted Power, Inc.	Representative Member
Moore, Samara	10/01/2021	06/30/2025	Amazon Web Services	Representative Member
Morrison, Jay	07/01/2020	06/30/2024	ElectriCities of North Carolina Inc.	Representative Member
Mroz, Richard	07/01/2018	06/30/2024	Resolute Strategies	Special Government Employee (SGE) Member
Parsons, Don	07/01/2020	06/30/2024	Georgia House of Representatives	Representative Member
Patterson, Delia	07/01/2018	06/30/2024	Salt River Project	Representative Member
Phillips, Darlene	07/01/2018	06/30/2024	PJM Interconnection	Representative Member
Reder, Wanda	02/01/2018	06/30/2024	Grid X Partners, LLC	Special Government Employee (SGE) Member

Stockton, Paul	07/01/2020	06/30/2024	Paul N Stockton LLC	Special Government Employee (SGE) Member
Swaminathan, Ramya	10/01/2021	06/30/2025	Malta, Inc.	Representative Member
Takayesu, Erik	07/01/2023	06/30/2025	Southern California Edison	Representative Member
Wellinghoff, Jon	07/01/2023	06/30/2025	GridPolicy, Inc.	Representative Member

Number of Committee Members Listed: 39

Narrative Description

Establishment of the Electricity Advisory Committee was necessary to assist OE to implement provisions in the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007 both requiring advisory committee input, and to modernize the nation's electricity delivery infrastructure. The EAC meets the requirements of the Federal Advisory Committee Act and advises OE on a number of subjects involving specific technical expertise that does not exist within the Department. The EAC will conduct the following activities (A-G): (A) Advise DOE on current and future electric grid resilience, security, reliability, sector interdependence, and policy issues of concern; (B) Periodically review and make recommendations on DOE electric grid-related programs and initiatives, including electricity-related R&D programs and modeling efforts; (C) Identify emerging issues related to production, delivery, end-use, reliability, security, resilience, modeling and electric utility regulation, and make recommendations, if appropriate, concerning DOE policy and initiatives; (D) Make recommendations on how DOE can address the growing interdependence of and risk to critical and defense critical electric infrastructure and other critical sectors such as defense, communications, and transportation; (E) Advise on coordination between DOE, state, tribal, territorial, and regional officials and the private sector on matters affecting production, delivery, end-use, reliability, resilience, security, and electric utility regulation; (F) Advise on coordination between Federal, State, tribal, territorial, and regional officials and the private sector in the event of supply disruption or other emergencies related to electricity transmission, generation, and distribution; and (G) Make recommendations to the Department on

how to best implement programs or policies directly affecting all components of the electric grid and its operations, as appropriate.

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 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 checked="" type="checkbox"/>
Increased customer satisfaction	<input checked="" type="checkbox"/>
Implementation of laws or regulatory requirements	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>

Outcome Comments

Not Applicable

What are the cost savings associated with this committee?

Checked if Applies

None	<input checked="" type="checkbox"/>
Unable to Determine	<input 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 mission and goals of the Committee do not include increasing cost savings.

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

Number of Recommendations Comments

Five work products were submitted in FY 2023: 1) "Section 8008 Voluntary Model Pathways for Modernizing the Electric Grid - Executive Summary" (available at <https://www.energy.gov/sites/default/files/2022-11/EAC%208008%20Voluntary%20Model%20Pathways%20for%20Modernizing%20the%20Electric%20Grid%20-%20Executive%20Summary.pdf>)
 2) "Section 8008 Voluntary Model Pathways for Modernizing the Electric Grid - Expanded Recommendations for the U.S. Department of Energy" (available at <https://www.energy.gov/sites/default/files/2023-02/EAC%208008%20Pathways%20-%20Expanded%20Recommendations%20for%20the%20U.S.%20Department%20of%20Energy.pdf>)
 3) "2022 Biennial Energy Storage Review" (available at <https://www.energy.gov/sites/default/files/2023-02/EAC%202022%20Biennial%20Energy%20Storage%20Review.pdf>)
 4) "Recommendations Concerning National Transmission Corridors" (available at <https://www.energy.gov/sites/default/files/2023-04/National%20Transmission%20Corridors%20Recommendations.pdf>)
 5) "Conceptual Basis for Evaluating Resilience Capabilities" (available at <https://www.energy.gov/sites/default/files/2023-06/Conceptual%20Basis%20for%20Evaluating%20Resilience%20Capabilities.pdf>)

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

50%

% of Recommendations Fully Implemented Comments

Not Applicable

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

50%

% of Recommendations Partially Implemented Comments

This percentage of recommendations were included generally in the Office of Electricity's programs. Though the recommendations may have been only partially implemented due to how the recommendations were written, they nonetheless were useful to the Office of Electricity (OE).

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 Assistant Secretary for OE provides ongoing feedback to EAC.

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 checked="" type="checkbox"/>
Approved grants or other payments	<input type="checkbox"/>
Other	<input type="checkbox"/>

Action Comments

The Office of Electricity adjusted its programs and policies often based on the recommendations of the EAC.

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

Access Comments

Information for Committee documentation is provided on the Department of Energy's Office of Electricity's website at:

<https://energy.gov/oe/services/electricity-advisory-committee-eac>. Links are included on the website to the EAC reports.