

## 2024 Current Fiscal Year Report: Hydrogen and Fuel Cell Technical Advisory Committee

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### 1. Department or Agency

Department of Energy

### 2. Fiscal Year

2024

### 3. Committee or Subcommittee

Hydrogen and Fuel Cell Technical  
Advisory Committee

### 3b. GSA

### Committee No.

29148

### 4. Is this New Fiscal Year?

No

### 5. Current Charter

08/24/2020

### 6. Expected Renewal Date

08/24/2022

### 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?

No

### 10b. Legislation Pending?

Not Applicable

### 11. Establishment Authority Statutory (Congress Created)

### 12. Specific Establishment Authority

EPACT 2005 Section 807 08/08/2005

### 13. Effective Date

### 14. Committee Type

Continuing

### 14c. Presidential?

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

### Other Activities

0

### 17d. Total

0

### Meetings and Dates

No Meetings

Current Next

FY

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?**

The HTAC met up to three times a year to review relevant work from subject matter experts to determine the state of domestic and foreign hydrogen and fuel cell industries, the state-of-the-art, relevant policies, state activities, entrepreneurial activities, competing technologies and market activity. The HTAC published an annual report at the end of each calendar year that highlighted technical, market and policy developments both domestically and internationally. These reports were disseminated to leadership at DOE and published on the HTAC website, [www.hydrogen.energy.gov/advisory\\_htac.html](http://www.hydrogen.energy.gov/advisory_htac.html), for viewing by the public and other interested parties.

HTAC also provided recommendations through letters to the Secretary including letters transmitting the annual report, as well as periodic reports on special topics.

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

Members are experts in their respective fields or representatives of entities including domestic industry, academia, professional societies, government agencies, Federal laboratories, previous advisory panels, and financial environmental and other appropriate organizations based on the Department's assessment of the technical and other qualifications of the Committee's members and the needs of the Committee.

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

The committee typically met 2 times per year to develop and discuss recommendations to the Secretary on (1) the implementation of programs and activities under the Spark M. Matsunaga Hydrogen Act of 2005; (2) the safety, economical, and environmental consequences of technologies for the production, distribution, delivery, storage, or use of hydrogen energy and fuel cells; and (3) the plan under section 804 of the Spark M. Matsunaga Hydrogen Act of 2005.

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

The Hydrogen Technical and Fuel Cell Advisory Committee was established to advise the Secretary on the programs and activities under title VIII, Hydrogen, of the Energy Policy Act of 2005. Title VIII establishes the Hydrogen and Fuel Cell Program to (1) enable and promote

comprehensive development, demonstration, and commercialization of hydrogen and fuel cell technology in partnership with industry; (2) to make critical public investments in building strong links to private industry, institutions of higher education, National Laboratories, and research institutions to expand innovation and industrial growth;(3) to build a mature hydrogen economy that creates fuel diversity in the massive transportation sector of the United States; (4) to sharply decrease the dependency of the United States on imported oil, eliminate most emissions from the transportation sector, and greatly enhance our energy security; and (5) to create, strengthen, and protect a sustainable national energy economy.

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

Not applicable

**21. Remarks**

EPACT 2005, Section 807. Board was inactive in FY 2023 due to administrative matters.

**Designated Federal Officer**

TBD TBD Designated Federal Officer

**Narrative Description**

The Committee reviews and makes recommendations to the Secretary of Energy on the implementation of programs and activities under Title VIII of EPACT, including (1) federal RD&D efforts in hydrogen and fuel cells and (2) the safety, economical, and environmental consequences of technologies for the production, distribution, delivery, storage, or use of hydrogen energy and fuel cells.

**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 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?**

72

**Number of Recommendations Comments**

Various recommendations on improving program focus areas and on overall strategy and communications. In FY 2021, the Committee was working two reports in subcommittee: 1) the HTAC Annual Report and 2) a Hydrogen Safety report, which were not delivered to DOE. No activities in FY 23 due to administrative matters.

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

70%

**% of Recommendations Fully Implemented Comments**

The agency has generally implemented the recommendations of the HTAC that are within the scope and mission of the agency and which are consistent with the DOE Hydrogen and Fuel Cell Program's goals and objectives.

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

30%

**% of Recommendations Partially Implemented Comments**

Recommendations that are outside the scope of the agency are not implemented (e.g., a recommendation to extend the Federal tax credits for fuel cell electric vehicles). Some recommendations have only been partially implemented, due to limitations in funding or conflicts with other agency priorities.

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

Yes ☒ No ☐ Not Applicable ☐

**Agency Feedback Comments**

Feedback is provided in letters from either the Secretary of Energy or the Assistant Secretary for Energy Efficiency and Renewable Energy. Additional feedback is provided at scheduled Committee meetings. A Biennial Report to Congress is also submitted summarizing the Agency's response to HTAC recommendations.

**What other actions has the agency taken as a result of the committee's advice or recommendation?**

Checked if Applies

Reorganized Priorities ☐

Reallocated resources ☐

- |                                   |                          |
|-----------------------------------|--------------------------|
| Issued new regulation             | <input type="checkbox"/> |
| Proposed legislation              | <input type="checkbox"/> |
| Approved grants or other payments | <input type="checkbox"/> |
| Other                             | <input type="checkbox"/> |

**Action Comments**

Not Applicable

**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               | <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 type="checkbox"/>            |

**Access Comments**

<https://www.hydrogen.energy.gov/about/advisory-panels/advisory-htac>