

2024 Current Fiscal Year Report: NASA Advisory Council

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1. Department or Agency

National Aeronautics and Space
Administration

2. Fiscal Year

2024

3. Committee or Subcommittee

NASA Advisory Council

3b. GSA

Committee No.

1071

4. Is this New During Fiscal Year?

5. Current Charter

6. Expected Renewal Date

7. Expected Term Date

No 09/30/2023 09/30/2025

8a. Was Terminated During Fiscal Year?

8b. Specific Termination Authority

No

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

Agency Authority

13. Effective Date

12/12/1977

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 NASA Advisory Council (NAC) is one of two principal Agency advisory committees that report directly to the NASA Administrator. The most recent Council major reorganization took place during FY 2014. The Council is supported by committees, subcommittees and task forces, as appropriate. The Council typically holds three meetings per year. During Council meetings, the members receive regular and special topic briefings from the Agency leadership, and reports from Council committees covering the breadth of NASA programs, projects, policies and plans. The Council develops findings and recommendations for the NASA Administrator, and deliberates in meetings open to the public. Approved Council

findings and recommendations are then transmitted to the NASA Administrator for Agency consideration. The NASA Administrator responds back to the Council with the Agency written response for each Council recommendation. In addition to the Council DFO and committee DFOs, the NAC is supported by support contractor personnel for meetings, travel and logistics as noted under "other costs."

20b. How does the Committee balance its membership?

Members of the Council are selected for their subject-matter expertise and broad strategic perspectives. Members come from academia, private industry and former U.S. Government senior officials. In addition, the Council has two ex officio members representing the National Academy of Sciences (Chair, Space Studies Board) and the National Academy of Engineering (Chair, Aeronautics and Space Engineering Board).

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

The Council typically meets two to three times per year. The NASA Administrator (or designee) attends the Council meetings, schedule permitting.

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

The Council is unique in that it is the only NASA Federal advisory committee that produces findings and recommendations across the broad range of Agency programs, projects, policies and plans.

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

N/A

21. Remarks

N/A

Designated Federal Officer

P. Diane Rausch Designated Federal Officer /
Executive Director

| Committee Members | Start | End | Occupation | Member Designation |
|-----------------------|------------|------------|--|--|
| Abdalati, Waleed | 01/27/2022 | 01/27/2024 | University of Colorado, Boulder | Special Government Employee (SGE) Member |
| Bolden, Charles | 02/01/2022 | 02/01/2024 | Former NASA Administrator | Special Government Employee (SGE) Member |
| Clarke, John-Paul | 04/14/2022 | 04/14/2024 | University of Texas, Austin | Special Government Employee (SGE) Member |
| Dumbacher, Daniel | 03/13/2020 | 01/11/2025 | American Institute of Aeronautics and Astronautics | Special Government Employee (SGE) Member |
| Fanning, Eric | 02/01/2022 | 02/01/2024 | Aerospace Industries Association | Special Government Employee (SGE) Member |
| Hale, Wayne | 02/15/2019 | 12/13/2023 | Retired NASA | Special Government Employee (SGE) Member |
| Harman, Jane | 01/27/2022 | 01/27/2024 | Former Member of Congress | Special Government Employee (SGE) Member |
| Hutchison, Kay Bailey | 05/13/2022 | 05/13/2024 | Former Member of Congress | Special Government Employee (SGE) Member |
| Johns, Michael | 12/13/2021 | 12/13/2023 | Southern Research Institute | Special Government Employee (SGE) Member |
| Kivelson, Margaret | 09/06/2019 | 01/11/2025 | Space Studies Board, National Academy of Sciences | Ex Officio Member |

| | | | | |
|--|------------|------------|--|--|
| Kroo, Ilan | 12/13/2021 | 12/31/2024 | Aeronautics and Space Engineering Board, National Academy of Engineering | Ex Officio Member |
| Lyles, Lester | 01/17/2017 | 07/17/2024 | USAF (Ret.) | Special Government Employee (SGE) Member |
| Olivas, Daniel | 01/27/2022 | 01/27/2024 | Former NASA Astronaut | Special Government Employee (SGE) Member |
| Paquin, Krista | 03/29/2019 | 12/13/2023 | Former NASA Deputy Associate Administrator (Ret.) | Special Government Employee (SGE) Member |
| Pate-Cornell, Elisabeth | 11/07/2016 | 11/07/2023 | Stanford University | Special Government Employee (SGE) Member |
| Williams, Charles | 01/27/2022 | 01/27/2024 | CWilliams LLC | Special Government Employee (SGE) Member |
| Williams, Ellen | 04/20/2022 | 04/20/2024 | University of Maryland | Special Government Employee (SGE) Member |
| Wynn, Jacklyn | 04/04/2022 | 04/04/2024 | General Dynamics Information Technology | Special Government Employee (SGE) Member |
| Bunce, Peter [NAC - Aeronautics Committee] | 12/13/2021 | 12/13/2023 | General Aviation Manufactures Association | Representative Member |
| Dryer, Jay [NAC - Aeronautics Committee] | 12/13/2021 | 12/13/2023 | Department of Defense | Regular Government Employee (RGE) Member |
| Dumais, Michael [NAC - Aeronautics Committee] | 12/13/2021 | 12/13/2023 | Industry Consultant | Special Government Employee (SGE) Member |
| Ellman, Lisa [NAC - Aeronautics Committee] | 12/13/2021 | 12/13/2023 | Commercial Drone Alliance | Representative Member |
| Hussain, Naveed [NAC - Aeronautics Committee] | 11/02/2020 | 11/02/2023 | Boeing | Special Government Employee (SGE) Member |

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|--|------------|------------|---------------------------------|--|
| Key, Nicole [NAC - Aeronautics Committee] | 12/13/2021 | 12/13/2023 | Purdue University | Special Government Employee (SGE) Member |
| Manikoth, Natesh [NAC - Aeronautics Committee] | 12/13/2021 | 12/13/2023 | Federal Aviation Administration | Regular Government Employee (RGE) Member |
| Pfingstler, Susan [NAC - Aeronautics Committee] | 12/13/2021 | 12/13/2023 | JetBlue Airlines | Special Government Employee (SGE) Member |
| Reed, Helen [NAC - Aeronautics Committee] | 12/13/2021 | 12/13/2023 | Texas A&M University | Special Government Employee (SGE) Member |
| Shahidi, Hassan [NAC - Aeronautics Committee] | 12/13/2021 | 12/13/2023 | Flight Safety Foundation | Representative Member |
| Alibaruho, Kwatsi [NAC - Human Exploration and Operations Committee] | 10/02/2020 | 11/14/2024 | Eaton PLC | Special Government Employee (SGE) Member |
| Budden, Nancy [NAC - Human Exploration and Operations Committee] | 10/06/2011 | 11/14/2024 | Department of Defense | Regular Government Employee (RGE) Member |
| Cline, Lynn [NAC - Human Exploration and Operations Committee] | 10/02/2020 | 11/14/2024 | Retired NASA | Special Government Employee (SGE) Member |
| Condon, Stephen Pat [NAC - Human Exploration and Operations Committee] | 10/06/2011 | 11/14/2024 | Retired USAF | Special Government Employee (SGE) Member |
| Ebersole, Douglas [NAC - Human Exploration and Operations Committee] | 01/14/2022 | 11/14/2024 | Retired | Special Government Employee (SGE) Member |
| Lopez-Alegria, Michael [NAC - Human Exploration and Operations Committee] | 11/26/2015 | 11/14/2024 | Axiom Space | Special Government Employee (SGE) Member |
| Sowers, George [NAC - Human Exploration and Operations Committee] | 01/14/2022 | 11/14/2024 | Colorado School of Mines | Special Government Employee (SGE) Member |
| Stofan, Ellen [NAC - Human Exploration and Operations Committee] | 07/25/2022 | 11/14/2024 | Smithsonian Institution | Special Government Employee (SGE) Member |
| Voss, James [NAC - Human Exploration and Operations Committee] | 11/26/2015 | 11/14/2024 | University of Colorado, Boulder | Special Government Employee (SGE) Member |

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|---|------------|------------|---|---|
| De Vivo, Kristen [NAC - STEM Engagement Committee] | 02/14/2022 | 02/14/2024 | Lucas Education Research | Special Government Employee (SGE) Member |
| Fortenberry, Norman [NAC - STEM Engagement Committee] | 01/25/2022 | 01/25/2024 | American Society for Engineering Education | Special Government Employee (SGE) Member |
| Mellado, Raymond [NAC - STEM Engagement Committee] | 01/25/2022 | 01/25/2024 | Great Minds in STEM | Special Government Employee (SGE) Member |
| Reid, Jamarius [NAC - STEM Engagement Committee] | 01/25/2022 | 01/25/2024 | SGA Embry-Riddle Worldwide | Special Government Employee (SGE) Member |
| Williams, Darryl [NAC - STEM Engagement Committee] | 01/25/2022 | 01/25/2024 | The Franklin Institute | Special Government Employee (SGE) Member |
| Cerf, Vinton [NAC - Science Committee] | 09/08/2018 | 11/14/2023 | Google | Special Government Employee (SGE) Member |
| Godwin, Linda [NAC - Science Committee] | 11/04/2021 | 11/14/2023 | University of Missouri | Special Government Employee (SGE) Member |
| May, Willie [NAC - Science Committee] | 11/04/2021 | 11/14/2023 | Morgan State University | Special Government Employee (SGE) Member |
| Tucker, Sara [NAC - Science Committee] | 11/04/2021 | 11/14/2023 | Ball Aerospace and Technologies Corporation | Special Government Employee (SGE) Member |
| Weiser, Marc [NAC - Science Committee] | 09/08/2019 | 04/25/2024 | RPM Ventures | Special Government Employee (SGE) Member |
| Aglan, Heshmat [NAC - Technology, Innovation and Engineering Committee] | 05/12/2023 | 05/12/2025 | Tuskegee University | Special Government Employee (SGE) Member |
| Callahan, Lisa [NAC - Technology, Innovation and Engineering Committee] | 01/13/2022 | 01/13/2024 | Lockheed Martin Space | Special Government Employee (SGE) Member |
| Gazarik, Michael [NAC - Technology, Innovation and Engineering Committee] | 07/07/2020 | 08/07/2025 | Ball Aerospace | Special Government Employee (SGE) Member |

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| Kramer, Rebecca [NAC - Technology, Innovation and Engineering Committee] | 07/07/2020 | 08/07/2025 | Yale University | Special Government Employee (SGE) Member |
| Rush, Andrew [NAC - Technology, Innovation and Engineering Committee] | 01/13/2022 | 01/13/2024 | Redwire | Special Government Employee (SGE) Member |
| Tousley, Bradford [NAC - Technology, Innovation and Engineering Committee] | 01/13/2022 | 01/13/2024 | Raytheon Technologies | Special Government Employee (SGE) Member |
| Walker, Mitchell [NAC - Technology, Innovation and Engineering Committee] | 07/07/2020 | 08/07/2025 | Georgia Institute of Technology | Special Government Employee (SGE) Member |

Number of Committee Members Listed: 54

Narrative Description

The NASA Advisory Council (NAC) and its five committees operate in full compliance with the NASA Strategic Plan, and receive reports, briefings, and plans across the breadth of Agency programs, projects, policies and plans. The Council takes these reports in account, and develops findings and recommendations for Agency consideration. The NAC Charter was renewed by the NASA Administrator and filed with Congress on September 30, 2023 for a two-year period.

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 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

Not Applicable

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?

230

Number of Recommendations Comments

In FY 2006, the Council provided NASA with a total of 25 recommendations. In FY 2007, 56 recommendations were submitted to NASA as the Agency was implementing the President's Vision for Space Exploration. A total of 35 of the 56 recommendations came from the Lunar Science Workshop on Science Associated with the Lunar Exploration Architecture (co-sponsored by the Council and NASA). This event was to draw expertise for the Lunar Exploration Architecture from the science communities in the areas of heliophysics, astrophysics, planetary science, planetary protection, and Earth science. The other 21 recommendations were from the Council's 4 quarterly meetings. In FY 2008, a total of 15 recommendations were conveyed to the NASA Administrator as an outcome of the Council's 4 quarterly meetings in the areas of Aeronautics, Exploration, Human Capital, Science, and Space Operations. In FY 2009, a total of 17 recommendations were conveyed to the Agency resulting from the Council's 4 quarterly meetings. In FY 2010, a total of 19 recommendations were conveyed to the Agency resulting from the Council's 4 quarterly meetings. In FY 2011, a total of 23 recommendations were conveyed to the Agency resulting from the Council's 4 quarterly meetings. In FY 2012, a total of 17

recommendations were conveyed to the Agency resulting from the Council's 2 meetings. In FY 2013, a total of 25 recommendations were conveyed to the Agency resulting from the Council's 3 meetings. In FY 2014, a total of 9 recommendations were conveyed to the Agency resulting from the Council's 3 meetings. In FY 2015, a total of 7 recommendations were conveyed to the Agency resulting from the Council's 3 meetings. The grand total of recommendations conveyed by the NASA Advisory Council to NASA during the ten-year period from FY 2006 through FY 2015 is 213. In FY 2016, a total of 2 recommendations were conveyed to the Agency resulting from the Council's 3 meetings. In FY 2017, a total of 2 recommendations were conveyed to the Agency resulting from the Council's 3 meetings. In FY 2018, a total of 4 recommendations were conveyed to the Agency leadership from the Council's 3 meetings. In FY 2019, a total of 7 recommendations were conveyed to the Agency leadership from the Council's 2 meetings. In FY 2020, a total of 3 recommendations were conveyed to the Agency leadership from the Council's 1 meeting (prior to COVID-19 pandemic). In FY 2021, the Council did not meet due to the COVID-19 pandemic, and there were no recommendations. In FY 2022, a total of 17 recommendations were conveyed to the Agency leadership from the Committee's 2 meetings. In FY 2023, the Committee met one time and made a total of one recommendation which was conveyed to the Agency leadership.

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

90%

% of Recommendations Fully Implemented Comments

NA

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

NA

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

Yes ☒ No ☐ Not Applicable ☐

Agency Feedback Comments

For incoming Council recommendations to the NASA Administrator, the NASA

Administrator responds back to the Council Chair with Agency written feedback, which is shared with all the members and is posted on the NASA public website.

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 type="checkbox"/> |
| 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

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 | <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

N/A