

Part III

Statement of Program Service Accomplishments

Check if Schedule O contains a response or note to any line in this Part III

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1 Briefly describe the organization's mission:

THE NATIONAL ACADEMY OF SCIENCES (NAS) WAS FORMED UNDER A CHARTER PASSED AS AN ACT OF INCORPORATION BY THE UNITED STATES CONGRESS AND SIGNED INTO LAW ON MARCH 3, 1863. THE NAS OPERATES AS A PRIVATE MEMBERSHIP ORGANIZATION OF DISTINGUISHED SCHOLARS ENGAGED IN SCIENTIFIC, ENGINEERING, OR MEDICAL RESEARCH. NAS IS DEDICATED TO THE FURTHERANCE OF SCIENCE FOR THE GENERAL WELFARE. NAS PROVIDES ADVICE AND OTHER SERVICES TO THE U.S. GOVERNMENT AND OTHER PRIVATE SPONSORS. THE NAS IS EXEMPT FROM FEDERAL INCOME TAXES UNDER SECTION 501(C)(3) OF THE INTERNAL REVENUE CODE, EXCEPT FOR UNRELATED BUSINESS INCOME.

2 Did the organization undertake any significant program services during the year which were not listed on the prior Form 990 or 990-EZ?

☐ Yes ☒ No

If "Yes," describe these new services on Schedule O.

3 Did the organization cease conducting, or make significant changes in how it conducts, any program services?

☐ Yes ☒ No

If "Yes," describe these changes on Schedule O.

4 Describe the organization's program service accomplishments for each of its three largest program services, as measured by expenses. Section 501(c)(3) and 501(c)(4) organizations are required to report the amount of grants and allocations to others, the total expenses, and revenue, if any, for each program service reported.

4a (Code:) (Expenses \$ 195,862,664 including grants of \$ 40,120,374) (Revenue \$ 951,522)

PERFORMANCE IN CONNECTION WITH CONTRACTS AND GRANTS WITH THE U.S. GOVERNMENT IN ACCORDANCE WITH THE NATIONAL ACADEMY OF SCIENCES' CONGRESSIONAL CHARTER.

4b (Code:) (Expenses \$ 70,947,763 including grants of \$ 31,835,170) (Revenue \$ 10,809,478)

STUDIES, PROJECTS AND OTHER SERVICES IN CONNECTION WITH PRIVATE GRANTS AND OTHER ARRANGEMENTS EXCLUSIVE OF WORK FUNDED BY THE U.S. GOVERNMENT.

4c (Code:) (Expenses \$ 6,060,993 including grants of \$ 1,511,098) (Revenue \$ 430,118)

ENDOWMENT AND TRUST ACTIVITIES REPRESENTING SCIENTIFIC PRIZES, AWARDS, AND SUPPORT OF RESEARCH.

4d Other program services (Describe in Schedule O.)

(Expenses \$ including grants of \$) (Revenue \$)

4e Total program service expenses 272,871,420

Part IV

Checklist of Required Schedules

	Yes	No
1 Is the organization described in section 501(c)(3) or 4947(a)(1) (other than a private foundation)? If "Yes," complete Schedule A	1 Yes	
2 Is the organization required to complete Schedule B, Schedule of Contributors (see instructions)?	2 Yes	
3 Did the organization engage in direct or indirect political campaign activities on behalf of or in opposition to candidates for public office? If "Yes," complete Schedule C, Part I	3	No
4 Section 501(c)(3) organizations. Did the organization engage in lobbying activities, or have a section 501(h) election in effect during the tax year? If "Yes," complete Schedule C, Part II	4	No
5 Is the organization a section 501(c)(4), 501(c)(5), or 501(c)(6) organization that receives membership dues, assessments, or similar amounts as defined in Revenue Procedure 98-19? If "Yes," complete Schedule C, Part III	5	No
6 Did the organization maintain any donor advised funds or any similar funds or accounts for which donors have the right to provide advice on the distribution or investment of amounts in such funds or accounts? If "Yes," complete Schedule D, Part I	6	No
7 Did the organization receive or hold a conservation easement, including easements to preserve open space, the environment, historic land areas, or historic structures? If "Yes," complete Schedule D, Part II	7	No
8 Did the organization maintain collections of works of art, historical treasures, or other similar assets? If "Yes," complete Schedule D, Part III	8	No
9 Did the organization report an amount in Part X, line 21 for escrow or custodial account liability; serve as a custodian for amounts not listed in Part X; or provide credit counseling, debt management, credit repair, or debt negotiation services? If "Yes," complete Schedule D, Part IV	9	No
10 Did the organization, directly or through a related organization, hold assets in temporarily restricted endowments, permanent endowments, or quasi endowments? If "Yes," complete Schedule D, Part V	10 Yes	
11 If the organization's answer to any of the following questions is "Yes," then complete Schedule D, Parts VI, VII, VIII, IX, or X as applicable.		
a Did the organization report an amount for land, buildings, and equipment in Part X, line 10? If "Yes," complete Schedule D, Part VI	11a Yes	
b Did the organization report an amount for investments—other securities in Part X, line 12 that is 5% or more of its total assets reported in Part X, line 16? If "Yes," complete Schedule D, Part VII	11b Yes	
c Did the organization report an amount for investments—program related in Part X, line 13 that is 5% or more of its total assets reported in Part X, line 16? If "Yes," complete Schedule D, Part VIII	11c	No
d Did the organization report an amount for other assets in Part X, line 15 that is 5% or more of its total assets reported in Part X, line 16? If "Yes," complete Schedule D, Part IX	11d	No
e Did the organization report an amount for other liabilities in Part X, line 25? If "Yes," complete Schedule D, Part X	11e Yes	
f Did the organization's separate or consolidated financial statements for the tax year include a footnote that addresses the organization's liability for uncertain tax positions under FIN 48 (ASC 740)?	11f Yes	
12a If "Yes," complete Schedule D, Part XI. Did the organization obtain separate, independent audited financial statements for the tax year? If "Yes," complete Schedule D, Parts XI and XII	12a Yes	
b Was the organization included in consolidated, independent audited financial statements for the tax year? If "Yes," and if the organization answered "No" to line 12a, then completing Schedule D, Parts XI and XII is optional	12b	No
13 Is the organization a school described in section 170(b)(1)(A)(ii)? If "Yes," complete Schedule E	13	No
14a Did the organization maintain an office, employees, or agents outside of the United States?	14a Yes	
b Did the organization have aggregate revenues or expenses of more than \$10,000 from grantmaking, fundraising, business, investment, and program service activities outside the United States, or aggregate foreign investments valued at \$100,000 or more? If "Yes," complete Schedule F, Parts I and IV	14b Yes	
15 Did the organization report on Part IX, column (A), line 3, more than \$5,000 of grants or other assistance to or for any foreign organization? If "Yes," complete Schedule F, Parts II and IV	15 Yes	
16 Did the organization report on Part IX, column (A), line 3, more than \$5,000 of aggregate grants or other assistance to or for foreign individuals? If "Yes," complete Schedule F, Parts III and IV	16 Yes	
17 Did the organization report a total of more than \$15,000 of expenses for professional fundraising services on Part IX, column (A), lines 6 and 11e? If "Yes," complete Schedule G, Part I (see instructions)	17 Yes	
18 Did the organization report more than \$15,000 total of fundraising event gross income and contributions on Part VIII, lines 1c and 8a? If "Yes," complete Schedule G, Part II	18	No
19 Did the organization report more than \$15,000 of gross income from gaming activities on Part VIII, line 9a? If "Yes," complete Schedule G, Part III	19	No
20a Did the organization operate one or more hospital facilities? If "Yes," complete Schedule H	20a	No
b If "Yes" to line 20a, did the organization attach a copy of its audited financial statements to this return?	20b	
21 Did the organization report more than \$5,000 of grants or other assistance to any domestic organization or domestic government on Part IX, column (A), line 1? If "Yes," complete Schedule I, Parts I and II	21 Yes	

Part IV

Checklist of Required Schedules (continued)

		Yes	No	
22	Did the organization report more than \$5,000 of grants or other assistance to or for domestic individuals on Part IX, column (A), line 2? If "Yes," complete Schedule I, Parts I and III	22	Yes	
23	Did the organization answer "Yes" to Part VII, Section A, line 3, 4, or 5 about compensation of the organization's current and former officers, directors, trustees, key employees, and highest compensated employees? If "Yes," complete Schedule J	23	Yes	
24a	Did the organization have a tax-exempt bond issue with an outstanding principal amount of more than \$100,000 as of the last day of the year, that was issued after December 31, 2002? If "Yes," answer lines 24b through 24d and complete Schedule K. If "No," go to line 25a	24a	Yes	
b	Did the organization invest any proceeds of tax-exempt bonds beyond a temporary period exception?	24b		No
c	Did the organization maintain an escrow account other than a refunding escrow at any time during the year to defease any tax-exempt bonds?	24c		No
d	Did the organization act as an "on behalf of" issuer for bonds outstanding at any time during the year?	24d		No
25a	Section 501(c)(3), 501(c)(4), and 501(c)(29) organizations. Did the organization engage in an excess benefit transaction with a disqualified person during the year? If "Yes," complete Schedule L, Part I	25a		No
b	Is the organization aware that it engaged in an excess benefit transaction with a disqualified person in a prior year, and that the transaction has not been reported on any of the organization's prior Forms 990 or 990-EZ? If "Yes," complete Schedule L, Part I	25b		No
26	Did the organization report any amount on Part X, line 5 or 22 for receivables from or payables to any current or former officer, director, trustee, key employee, creator or founder, substantial contributor, or 35% controlled entity or family member of any of these persons?	26	Yes	
27	Did the organization provide a grant or other assistance to any current or former officer, director, trustee, key employee, creator or founder, substantial contributor, or employee thereof, a grant selection committee member, or to a 35% controlled entity (including an employee thereof) or family member of any of these persons? If "Yes," complete Schedule L, Part III	27		No
28	Was the organization a party to a business transaction with one of the following parties (see Schedule L, Part IV instructions for applicable filing thresholds, conditions, and exceptions):			
a	A current or former officer, director, trustee, key employee, creator or founder, or substantial contributor? If "Yes," complete Schedule L, Part IV	28a		No
b	A family member of any individual described in line 28a? If "Yes," complete Schedule L, Part IV	28b		No
c	A 35% controlled entity of one or more individuals and/or organizations described in lines 28a or 28b? If "Yes," complete Schedule L, Part IV	28c		No
29	Did the organization receive more than \$25,000 in non-cash contributions? If "Yes," complete Schedule M	29	Yes	
30	Did the organization receive contributions of art, historical treasures, or other similar assets, or qualified conservation contributions?	30		No
31	Did the organization liquidate, terminate, or dissolve and cease operations? If "Yes," complete Schedule N, Part I	31		No
32	Did the organization sell, exchange, dispose of, or transfer more than 25% of its net assets? If "Yes," complete Schedule N, Part II	32		No
33	Did the organization own 100% of an entity disregarded as separate from the organization under Regulations sections 301.7701-2 and 301.7701-3?	33	Yes	
34	Was the organization related to any tax-exempt or taxable entity? If "Yes," complete Schedule R, Part II, III, or IV, and Part V, line 1	34	Yes	
35a	Did the organization have a controlled entity within the meaning of section 512(b)(13)?	35a	Yes	
b	If "Yes" to line 35a, did the organization receive any payment from or engage in any transaction with a controlled entity within the meaning of section 512(b)(13)? If "Yes," complete Schedule R, Part V, line 2	35b	Yes	
36	Section 501(c)(3) organizations. Did the organization make any transfers to an exempt non-charitable related organization? If "Yes," complete Schedule R, Part V, line 2	36		No
37	Did the organization conduct more than 5% of its activities through an entity that is not a related organization and that is treated as a partnership for federal income tax purposes? If "Yes," complete Schedule R, Part VI	37		No
38	Did the organization complete Schedule O and provide explanations in Schedule O for Part VI, lines 11b and 19? Note. All Form 990 filers are required to complete Schedule O.	38	Yes	

Part V

Statements Regarding Other IRS Filings and Tax Compliance

Check if Schedule O contains a response or note to any line in this Part V ☐

		Yes	No			
1a	Enter the number reported in Box 3 of Form 1096. Enter -0- if not applicable	1a		479		
b	Enter the number of Forms W-2G included in line 1a. Enter -0- if not applicable	1b		0		
c	Did the organization comply with backup withholding rules for reportable payments to vendors and reportable gaming (gambling) winnings to prize winners?	1c	Yes			

Part V Statements Regarding Other IRS Filings and Tax Compliance (continued)											
2a Enter the number of employees reported on Form W-3, Transmittal of Wage and Tax Statements, filed for the calendar year ending with or within the year covered by this return						2a	1,210				
b If at least one is reported on line 2a, did the organization file all required federal employment tax returns? Note. If the sum of lines 1a and 2a is greater than 250, you may be required to e-file (see instructions)						2b	Yes				
3a Did the organization have unrelated business gross income of \$1,000 or more during the year?						3a	Yes				
b If "Yes," has it filed a Form 990-T for this year? <i>If "No" to line 3b, provide an explanation in Schedule O</i>						3b	Yes				
4a At any time during the calendar year, did the organization have an interest in, or a signature or other authority over, a financial account in a foreign country (such as a bank account, securities account, or other financial account)?						4a			No		
b Enter the name of the foreign country: _____ See instructions for filing requirements for FinCEN Form 114, Report of Foreign Bank and Financial Accounts (FBAR).											
5a Was the organization a party to a prohibited tax shelter transaction at any time during the tax year? . . .						5a			No		
b Did any taxable party notify the organization that it was or is a party to a prohibited tax shelter transaction?						5b			No		
c If "Yes," to line 5a or 5b, did the organization file Form 8886-T?						5c					
6a Does the organization have annual gross receipts that are normally greater than \$100,000, and did the organization solicit any contributions that were not tax deductible as charitable contributions?						6a			No		
b If "Yes," did the organization include with every solicitation an express statement that such contributions or gifts were not tax deductible?						6b					
7 Organizations that may receive deductible contributions under section 170(c).											
a Did the organization receive a payment in excess of \$75 made partly as a contribution and partly for goods and services provided to the payor?						7a			No		
b If "Yes," did the organization notify the donor of the value of the goods or services provided?						7b					
c Did the organization sell, exchange, or otherwise dispose of tangible personal property for which it was required to file Form 8282?						7c			No		
d If "Yes," indicate the number of Forms 8282 filed during the year						7d					
e Did the organization receive any funds, directly or indirectly, to pay premiums on a personal benefit contract?						7e			No		
f Did the organization, during the year, pay premiums, directly or indirectly, on a personal benefit contract?						7f			No		
g If the organization received a contribution of qualified intellectual property, did the organization file Form 8899 as required?						7g					
h If the organization received a contribution of cars, boats, airplanes, or other vehicles, did the organization file a Form 1098-C?						7h					
8 Sponsoring organizations maintaining donor advised funds. Did a donor advised fund maintained by the sponsoring organization have excess business holdings at any time during the year?						8					
9 Sponsoring organizations maintaining donor advised funds.											
a Did the sponsoring organization make any taxable distributions under section 4966?						9a					
b Did the sponsoring organization make a distribution to a donor, donor advisor, or related person?						9b					
10 Section 501(c)(7) organizations. Enter:											
a Initiation fees and capital contributions included on Part VIII, line 12						10a					
b Gross receipts, included on Form 990, Part VIII, line 12, for public use of club facilities						10b					
11 Section 501(c)(12) organizations. Enter:											
a Gross income from members or shareholders						11a					
b Gross income from other sources (Do not net amounts due or paid to other sources against amounts due or received from them.)						11b					
12a Section 4947(a)(1) non-exempt charitable trusts. Is the organization filing Form 990 in lieu of Form 1041?						12a					
b If "Yes," enter the amount of tax-exempt interest received or accrued during the year.						12b					
13 Section 501(c)(29) qualified nonprofit health insurance issuers.											
a Is the organization licensed to issue qualified health plans in more than one state? Note. See the instructions for additional information the organization must report on Schedule O.						13a					
b Enter the amount of reserves the organization is required to maintain by the states in which the organization is licensed to issue qualified health plans						13b					
c Enter the amount of reserves on hand						13c					
14a Did the organization receive any payments for indoor tanning services during the tax year?						14a			No		
b If "Yes," has it filed a Form 720 to report these payments? <i>If "No," provide an explanation in Schedule O</i>						14b					
15 Is the organization subject to the section 4960 tax on payment(s) of more than \$1,000,000 in remuneration or excess parachute payment(s) during the year?						15			No		
16 If the organization is subject to the section 4968 excise tax on net investment income? If "Yes," complete Form 4720, Schedule O.						16			No		

Part VI

Governance, Management, and Disclosure

For each "Yes" response to lines 2 through 7b below, and for a "No" response to lines 8a, 8b, or 10b below, describe the circumstances, processes, or changes in Schedule O. See instructions.

Check if Schedule O contains a response or note to any line in this Part VI

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Section A. Governing Body and Management

			Yes	No
1a	Enter the number of voting members of the governing body at the end of the tax year. If there are material differences in voting rights among members of the governing body, or if the governing body delegated broad authority to an executive committee or similar committee, explain in Schedule O.	1a17		
b	Enter the number of voting members included in line 1a, above, who are independent	1b12		
2	Did any officer, director, trustee, or key employee have a family relationship or a business relationship with any other officer, director, trustee, or key employee?	2		No
3	Did the organization delegate control over management duties customarily performed by or under the direct supervision of officers, directors or trustees, or key employees to a management company or other person?	3		No
4	Did the organization make any significant changes to its governing documents since the prior Form 990 was filed?	4	Yes	
5	Did the organization become aware during the year of a significant diversion of the organization's assets?	5		No
6	Did the organization have members or stockholders?	6	Yes	
7a	Did the organization have members, stockholders, or other persons who had the power to elect or appoint one or more members of the governing body?	7a	Yes	
b	Are any governance decisions of the organization reserved to (or subject to approval by) members, stockholders, or persons other than the governing body?	7b	Yes	
8	Did the organization contemporaneously document the meetings held or written actions undertaken during the year by the following:			
a	The governing body?	8a	Yes	
b	Each committee with authority to act on behalf of the governing body?	8b	Yes	
9	Is there any officer, director, trustee, or key employee listed in Part VII, Section A, who cannot be reached at the organization's mailing address? If "Yes," provide the names and addresses in Schedule O	9		No

Section B. Policies (This Section B requests information about policies not required by the Internal Revenue Code.)

			Yes	No
10a	Did the organization have local chapters, branches, or affiliates?	10a		No
b	If "Yes," did the organization have written policies and procedures governing the activities of such chapters, affiliates, and branches to ensure their operations are consistent with the organization's exempt purposes?	10b		
11a	Has the organization provided a complete copy of this Form 990 to all members of its governing body before filing the form?	11a	Yes	
b	Describe in Schedule O the process, if any, used by the organization to review this Form 990.			
12a	Did the organization have a written conflict of interest policy? If "No," go to line 13	12a	Yes	
b	Were officers, directors, or trustees, and key employees required to disclose annually interests that could give rise to conflicts?	12b	Yes	
c	Did the organization regularly and consistently monitor and enforce compliance with the policy? If "Yes," describe in Schedule O how this was done	12c	Yes	
13	Did the organization have a written whistleblower policy?	13	Yes	
14	Did the organization have a written document retention and destruction policy?	14	Yes	
15	Did the process for determining compensation of the following persons include a review and approval by independent persons, comparability data, and contemporaneous substantiation of the deliberation and decision?			
a	The organization's CEO, Executive Director, or top management official	15a	Yes	
b	Other officers or key employees of the organization	15b	Yes	
	If "Yes" to line 15a or 15b, describe the process in Schedule O (see instructions).			
16a	Did the organization invest in, contribute assets to, or participate in a joint venture or similar arrangement with a taxable entity during the year?	16a		No
b	If "Yes," did the organization follow a written policy or procedure requiring the organization to evaluate its participation in joint venture arrangements under applicable federal tax law, and take steps to safeguard the organization's exempt status with respect to such arrangements?	16b		

Section C. Disclosure

17	List the states with which a copy of this Form 990 is required to be filed	AL, AR, CO, FL, GA, HI, KY, MD, MA, MI, MN, NH, NJ, NM, NY, ND, OH, OK, PA, RI, TN, UT, VA, WA, WV, WI
18	Section 6104 requires an organization to make its Form 1023 (or 1024-A if applicable), 990, and 990-T (501(c)(3)s only) available for public inspection. Indicate how you made these available. Check all that apply.	<input type="checkbox"/> Own website <input type="checkbox"/> Another's website <input checked="" type="checkbox"/> Upon request <input type="checkbox"/> Other (explain in Schedule O)
19	Describe in Schedule O whether (and if so, how) the organization made its governing documents, conflict of interest policy, and financial statements available to the public during the tax year.	
20	State the name, address, and telephone number of the person who possesses the organization's books and records:	LAURA DOUGLASNAS 500 FIFTH STREET NW Washington, DC 20001 (202) 334-3003

Part VII

Compensation of Officers, Directors, Trustees, Key Employees, Highest Compensated Employees, and Independent Contractors

Check if Schedule O contains a response or note to any line in this Part VII

Section A. Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees

1a Complete this table for all persons required to be listed. Report compensation for the calendar year ending with or within the organization's tax year.

- List all of the organization's **current** officers, directors, trustees (whether individuals or organizations), regardless of amount of compensation. Enter -0- in columns (D), (E), and (F) if no compensation was paid.
- List all of the organization's **current** key employees, if any. See instructions for definition of "key employee."
- List the organization's five **current** highest compensated employees (other than an officer, director, trustee or key employee) who received reportable compensation (Box 5 of Form W-2 and/or Box 7 of Form 1099-MISC) of more than \$100,000 from the organization and any related organizations.
- List all of the organization's **former** officers, key employees, or highest compensated employees who received more than \$100,000 of reportable compensation from the organization and any related organizations.
- List all of the organization's **former directors or trustees** that received, in the capacity as a former director or trustee of the organization, more than \$10,000 of reportable compensation from the organization and any related organizations.

See instructions for the order in which to list the persons above.

☐ Check this box if neither the organization nor any related organization compensated any current officer, director, or trustee.

(A) Name and title	(B) Average hours per week (list any hours for related organizations below dotted line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						(D) Reportable compensation from the organization (W-2/1099-MISC)	(E) Reportable compensation from related organizations (W-2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations
		Individual trustee or director	Institutional Trustee	Officer	Key employee	Highest compensated employee	Former			
(1) MARCIA MCNUTT PRESIDENT	37.5 2.0	X		X				981,374	0	84,369
(2) VICTOR DZAU PRESIDENT - NAM	37.5 1.0			X				982,073	0	81,760
(3) BRUCE DARLING EXECUTIVE OFFICER	37.5 0.0			X				563,903	0	68,257
(4) JAMES F HINCHMAN DEP EXEC OFCR/CHIEF OP OFCR	37.5 0.0				X			497,426	0	59,338
(5) ROBERT ULLRICH RERF CHIEF OF RESEARCH	37.5 0.0					X		459,907	0	75,855
(6) C DAN MOTE JR PRESIDENT- NAE END 6/30/19	37.5 2.0			X				422,467	0	54,946
(7) JOHN ANDERSON PRESIDENT- NAE BEG 7/01/19	37.5 2.0			X				435,495	0	9,145
(8) ALINA BRENNER RERF SENIOR RESEARCHER	37.5 0.0					X		360,882	0	61,351
(9) ERIC GRANT RERF ASSOC CHIEF OF RESEARCH	37.5 0.0					X		373,462	0	29,859
(10) DAVID MAY CHIEF COMMUNICATIONS OFFICER	37.5 0.0					X		338,040	0	62,861
(11) KENNETH FULTON EXECUTIVE DIRECTOR	37.5 1.0					X		329,776	0	68,056
(12) CLYDE BEHNEY EXECUTIVE DIRECTOR HMD	37.5 0.0				X			324,997	0	58,017
(13) MARY SALMON CHIEF FINANCIAL OFFICER	37.5 1.0			X				312,918	0	57,408
(14) NEIL PEDERSEN EXECUTIVE DIRECTOR TRB	37.5 0.0				X			277,120	0	53,601
(15) VAUGHAN TUREKIAN Executive Director PGA	37.5 0.0				X			255,981	0	74,083
(16) DIANE E GRIFFIN VICE PRESIDENT	19.0 0.0	X		X				0	0	0
(17) SUSAN R WESSLER HOME SECRETARY	19.0 0.0	X		X				0	0	0

Part VII

Section A. Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees (continued)

(A) Name and title	(B) Average hours per week (list any hours for related organizations below dotted line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						(D) Reportable compensation from the organization (W-2/1099-MISC)	(E) Reportable compensation from related organizations (W-2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations
		Individual trustee or director	Institutional Trustee	Officer	Key employee	Highest compensated employee	Former			
(18) JOHN G HILDEBRAND FOREIGN SECRETARY	19.0 0.0	X		X				0	0	0
(19) WILLIAM H PRESS TREASURER	19.0 1.0	X		X				0	0	0
(20) SUSAN G AMARA NAS COUNCIL MEMBER End 6/30/19	4.0 0.0	X						0	0	0
(21) INGRID DAUBECHIES NAS COUNCIL MEMBER	4.0 0.0	X						0	0	0
(22) SUSAN FISKE NAS COUNCIL MEMBER	4.0 0.0	X						0	0	0
(23) FRED H GAGE NAS COUNCIL MEMBER END 6/30/19	4.0 1.0	X						0	0	0
(24) S JAMES GATES JR NAS COUNCIL MEMBER	4.0 0.0	X						0	0	0
(25) CAROLINE S HARWOOD NAS COUNCIL MEMBER	4.0 0.0	X						0	0	0
(26) EVELYN L HU NAS COUNCIL MEMBER End 6/30/19	4.0 0.0	X						0	0	0
(27) LAURA L KIESSLING NAS COUNCIL MEMBER END 6/30/19	4.0 0.0	X						0	0	0
(28) PATRICIA KUHL NAS COUNCIL MEMBER BEG 7/01/19	4.0 0.0	X						0	0	0
(29) RICHARD E LENSKI NAS COUNCIL MEMBER BEG 7/01/19	4.0 0.0	X						0	0	0
(30) EVE MARDER NAS COUNCIL MEMBER	4.0 0.0	X						0	0	0
(31) BARBARA J MEYER NAS COUNCIL MEMBER	4.0 0.0	X						0	0	0
(32) THOMAS D POLLARD NAS COUNCIL MEMBER	4.0 0.0	X						0	0	0
(33) SEAN C SOLOMON NAS COUNCIL MEMBER BEG 7/01/19	4.0 0.0	X						0	0	0
(34) ZENA WERB NAS COUNCIL MEMBER	4.0 0.0	X						0	0	0
(35) RUTH J WILLIAMS NAS COUNCIL MEMBER BEG 7/01/19	4.0 0.0	X						0	0	0
1b Sub-Total										
c Total from continuation sheets to Part VII, Section A										
d Total (add lines 1b and 1c)								6,915,821	0	898,906

2

Total number of individuals (including but not limited to those listed above) who received more than \$100,000 of reportable compensation from the organization ▶ 355

3

Did the organization list any **former** officer, director or trustee, key employee, or highest compensated employee on line 1a? *If "Yes," complete Schedule J for such individual*

4

For any individual listed on line 1a, is the sum of reportable compensation and other compensation from the organization and related organizations greater than \$150,000? *If "Yes," complete Schedule J for such individual*

5

Did any person listed on line 1a receive or accrue compensation from any unrelated organization or individual for services rendered to the organization?*If "Yes," complete Schedule J for such person*

Yes

No

No

Yes

No

Section B. Independent Contractors

1

Complete this table for your five highest compensated independent contractors that received more than \$100,000 of compensation from the organization. Report compensation for the calendar year ending with or within the organization's tax year.

(A) Name and business address	(B) Description of services	(C) Compensation
WSP USA Inc, 1401 K Street NW Ste 701 WASHINGTON, DC 20005	Transportation Study	2,349,194
Virginia Polytechnic Institute, 222 Burruss Hall BLACKSBURG, VA 24061	Transportation Study	4,253,922
Dartmouth Journal Services, 11311 McCormick Rd Ste 620 HUNT VALLEY, MD 21031	Printing/Fulfillment	3,076,015
The Boston Consulting Group Inc, 4800 Hampden Ln BETHESDA, MD 20814	Transformation Study	3,026,109
Texas AM Transportation Institute, 3135 TAMU COLLEGE STATION, TX 77843	Transportation Study	2,696,002

2

Total number of independent contractors (including but not limited to those listed above) who received more than \$100,000 of compensation from the organization ▶ 167

Form 990 (2019)

Part VIII

Statement of Revenue

Check if Schedule O contains a response or note to any line in this Part VIII

			(A) Total revenue	(B) Related or exempt function revenue	(C) Unrelated business revenue	(D) Revenue excluded from tax under sections 512 - 514	
Contributions, Gifts, Grants and Other Similar Amounts	1a	Federated campaigns . . .	1a				
	b	Membership dues . . .	1b	1,850,001			
	c	Fundraising events . . .	1c				
	d	Related organizations	1d	7,853,129			
	e	Government grants (contributions)	1e	213,488,825			
	f	All other contributions, gifts, grants, and similar amounts not included above	1f	55,154,555			
	g	Noncash contributions included in lines 1a - 1f:\$	1g	2,686,017			
h Total. Add lines 1a-1f			278,346,510				

Program Service Revenue	2a	ANNUAL MTG/REG FEES	Business Code				
			900099	8,336,622	8,336,622	0	0
	b						
	c						
	d						
	e						
	f	All other program service revenue.					
	g Total. Add lines 2a-2f.	8,336,622					

Other Revenue	3	Investment income (including dividends, interest, and other similar amounts)		15,446,059		-347,361	15,793,420			
	4	Income from investment of tax-exempt bond proceeds		0						
	5	Royalties		745,275			745,275			
	6a	Gross rents	(i) Real	(ii) Personal						
			6a	1,013,546						
			b	Less: rental expenses					6b	1,013,546
			c	Rental income or (loss)					6c	0
	d	Net rental income or (loss)		0						
	7a	Gross amount from sales of assets other than inventory	(i) Securities	(ii) Other						
			7a	347,192,106						
			b	Less: cost or other basis and sales expenses					7b	248,106,291
			c	Gain or (loss)					7c	99,085,815
	d	Net gain or (loss)		99,085,815		295,599	98,790,216			
	8a	Gross income from fundraising events (not including \$ of contributions reported on line 1c). See Part IV, line 18								
									8a	0
									b	Less: direct expenses
	c	Net income or (loss) from fundraising events		0						
	9a	Gross income from gaming activities. See Part IV, line 19								
9a									0	
b									Less: direct expenses	9b
c	Net income or (loss) from gaming activities		0							

10a Gross sales of inventory, less returns and allowances . . .		10a	16,669,112				
b Less: cost of goods sold		10b	14,216,902				
c Net income or (loss) from sales of inventory . . .			2,452,210	2,452,210			
Miscellaneous Revenue		Business Code					
11a PRINTING SERVICES		323100	46,801	0	46,801	0	
b ADVERTISING		900099	4,940	0	4,940	0	
c PARKING REIMBURSEMENT		812930	532,856	0	0	532,856	
d All other revenue			1,419,159	1,402,286		16,873	
e Total. Add lines 11a–11d			2,003,756				
12 Total revenue. See instructions			406,416,247	12,191,118	-21	115,878,640	

Part IX

Statement of Functional Expenses

Section 501(c)(3) and 501(c)(4) organizations must complete all columns. All other organizations must complete column (A).
Check if Schedule O contains a response or note to any line in this Part IX ☐

Do not include amounts reported on lines 6b, 7b, 8b, 9b, and 10b of Part VIII.	(A) Total expenses	(B) Program service expenses	(C) Management and general expenses	(D) Fundraising expenses
1 Grants and other assistance to domestic organizations and domestic governments. See Part IV, line 21	28,238,570	28,238,570		
2 Grants and other assistance to domestic individuals. See Part IV, line 22	38,574,333	38,574,333		
3 Grants and other assistance to foreign organizations, foreign governments, and foreign individuals. See Part IV, lines 15 and 16.	6,653,739	6,653,739		
4 Benefits paid to or for members	0			
5 Compensation of current officers, directors, trustees, and key employees	5,654,678		5,654,678	
6 Compensation not included above, to disqualified persons (as defined under section 4958(f)(1)) and persons described in section 4958(c)(3)(B)	0			
7 Other salaries and wages	95,474,305	70,373,943	23,129,734	1,970,628
8 Pension plan accruals and contributions (include section 401(k) and 403(b) employer contributions)	12,250,868	9,261,915	2,741,519	247,434
9 Other employee benefits	11,716,659	9,600,490	1,900,129	216,040
10 Payroll taxes	7,735,509	5,780,908	1,799,937	154,664
11 Fees for services (non-employees):				
a Management	0			
b Legal	516,302	65,147	449,409	1,746
c Accounting	590,006	11,240	578,465	301
d Lobbying	0			
e Professional fundraising services. See Part IV, line 17	117,705			117,705
f Investment management fees	767,742		767,742	
g Other (If line 11g amount exceeds 10% of line 25, column (A) amount, list line 11g expenses on Schedule O)	15,768,852	7,616,444	8,028,471	123,937
12 Advertising and promotion	494,116	410,997	65,555	17,564
13 Office expenses	2,572,614	1,802,972	729,067	40,575
14 Information technology	1,730,291	1,563,429	68,123	98,739
15 Royalties	0			
16 Occupancy	4,664,990	3,148,391	1,466,221	50,378
17 Travel	20,374,237	18,429,673	1,782,626	161,938
18 Payments of travel or entertainment expenses for any federal, state, or local public officials	63,243	63,243		
19 Conferences, conventions, and meetings	7,984,843	5,668,483	2,084,965	231,395
20 Interest	5,271,128		5,271,128	
21 Payments to affiliates	0			
22 Depreciation, depletion, and amortization	9,574,294	5,892,233	3,588,232	93,829
23 Insurance	720,770	330,583	390,187	
24 Other expenses. Itemize expenses not covered above (List miscellaneous expenses in line 24e. If line 24e amount exceeds 10% of line 25, column (A) amount, list line 24e expenses on Schedule O.)				
a UNRELATED BUSINESS INC. TAX	48,329	0	48,329	0
b SUBCONTRACTS	52,126,449	51,772,354	354,095	0
c PRINTING & PUBLICATIONS	6,025,656	5,306,696	606,781	112,179
d MISCELLANEOUS	3,744,381	2,305,637	1,340,056	98,688
e All other expenses				
25 Total functional expenses. Add lines 1 through 24e	339,454,609	272,871,420	62,845,449	3,737,740
26 Joint costs. Complete this line only if the organization reported in column (B) joint costs from a combined educational campaign and fundraising solicitation. Check here <input type="checkbox"/> if following SOP 98-2 (ASC 958-720).				

Part X

Balance Sheet

Check if Schedule O contains a response or note to any line in this Part IX

☒

				(A)		(B)	
				Beginning of year		End of year	
Assets	1	Cash—non-interest-bearing		18,130,772	1	9,828,244	
	2	Savings and temporary cash investments		6,917,527	2	5,689,225	
	3	Pledges and grants receivable, net		23,211,660	3	20,717,767	
	4	Accounts receivable, net		61,334,960	4	68,899,107	
	5	Loans and other payables to any current or former officer, director, trustee, key employee, creator or founder, substantial contributor, or 35% controlled entity or family member of any of these persons		1,500,000	5	866,063	
	6	Loans and other receivables from other disqualified persons (as defined under section 4958(f)(1)), and persons described in section 4958(c)(3)(B)		0	6	0	
	7	Notes and loans receivable, net		0	7	0	
	8	Inventories for sale or use		893,814	8	789,659	
	9	Prepaid expenses and deferred charges		10,813,045	9	11,790,193	
	10a	Land, buildings, and equipment: cost or other basis. Complete Part VI of Schedule D	10a	253,593,071			
	b	Less: accumulated depreciation	10b	106,979,288	151,221,924	10c	146,613,783
	11	Investments—publicly traded securities		787,974,917	11	748,026,097	
	12	Investments—other securities. See Part IV, line 11		243,441,454	12	395,505,757	
	13	Investments—program-related. See Part IV, line 11		0	13	0	
	14	Intangible assets		0	14	0	
	15	Other assets. See Part IV, line 11		7,604,205	15	12,648,523	
16	Total assets: Add lines 1 through 15 (must equal line 34)		1,313,044,278	16	1,421,374,418		
Liabilities	17	Accounts payable and accrued expenses		29,717,682	17	32,400,458	
	18	Grants payable		0	18	0	
	19	Deferred revenue		41,840,401	19	47,238,051	
	20	Tax-exempt bond liabilities		157,692,490	20	153,504,891	
	21	Escrow or custodial account liability. Complete Part IV of Schedule D		0	21	0	
	22	Loans and other payables to any current or former officer, director, trustee, key employee, creator or founder, substantial contributor, or 35% controlled entity or family member of any of these persons		0	22	0	
	23	Secured mortgages and notes payable to unrelated third parties		0	23	0	
	24	Unsecured notes and loans payable to unrelated third parties		0	24	0	
	25	Other liabilities (including federal income tax, payables to related third parties, and other liabilities not included on lines 17 - 24). Complete Part X of Schedule D		21,874,426	25	27,590,580	
	26	Total liabilities. Add lines 17 through 25		251,124,999	26	260,733,980	
Net Assets or Fund Balances	Organizations that follow FASB ASC 958, check here <input checked="" type="checkbox"/> and complete lines 27, 28, 32, and 33.						
	27	Net assets without donor restrictions		111,095,576	27	125,773,112	
	28	Net assets with donor restrictions		950,823,703	28	1,034,867,326	
	Organizations that do not follow FASB ASC 958, check here <input type="checkbox"/> and complete lines 29 through 33.						
	29	Capital stock or trust principal, or current funds			29		
	30	Paid-in or capital surplus, or land, building or equipment fund			30		
	31	Retained earnings, endowment, accumulated income, or other funds			31		
	32	Total net assets or fund balances		1,061,919,279	32	1,160,640,438	
	33	Total liabilities and net assets/fund balances		1,313,044,278	33	1,421,374,418	

Part XI

Reconciliation of Net Assets

Check if Schedule O contains a response or note to any line in this Part XI

1	Total revenue (must equal Part VIII, column (A), line 12)	1	406,416,247
2	Total expenses (must equal Part IX, column (A), line 25)	2	339,454,609
3	Revenue less expenses. Subtract line 2 from line 1	3	66,961,638
4	Net assets or fund balances at beginning of year (must equal Part X, line 33, column (A))	4	1,061,919,279
5	Net unrealized gains (losses) on investments	5	31,649,718
6	Donated services and use of facilities	6	
7	Investment expenses	7	
8	Prior period adjustments	8	
9	Other changes in net assets or fund balances (explain in Schedule O)	9	109,803
10	Net assets or fund balances at end of year. Combine lines 3 through 9 (must equal Part X, line 33, column (A))	10	1,160,640,438

Part XII

Financial Statements and Reporting

Check if Schedule O contains a response or note to any line in this Part XII

	Yes	No
1 Accounting method used to prepare the Form 990: <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Accrual <input type="checkbox"/> Other _____ If the organization changed its method of accounting from a prior year or checked "Other," explain in Schedule O.		
2a Were the organization's financial statements compiled or reviewed by an independent accountant? If "Yes," check a box below to indicate whether the financial statements for the year were compiled or reviewed on a separate basis, consolidated basis, or both: <input type="checkbox"/> Separate basis <input type="checkbox"/> Consolidated basis <input type="checkbox"/> Both consolidated and separate basis		No
b Were the organization's financial statements audited by an independent accountant? If "Yes," check a box below to indicate whether the financial statements for the year were audited on a separate basis, consolidated basis, or both: <input checked="" type="checkbox"/> Separate basis <input type="checkbox"/> Consolidated basis <input type="checkbox"/> Both consolidated and separate basis	Yes	
c If "Yes," to line 2a or 2b, does the organization have a committee that assumes responsibility for oversight of the audit, review, or compilation of its financial statements and selection of an independent accountant? If the organization changed either its oversight process or selection process during the tax year, explain in Schedule O.	Yes	
3a As a result of a federal award, was the organization required to undergo an audit or audits as set forth in the Single Audit Act and OMB Circular A-133?	Yes	
b If "Yes," did the organization undergo the required audit or audits? If the organization did not undergo the required audit or audits, explain why in Schedule O and describe any steps taken to undergo such audits.	Yes	

Additional Data

Return to Form

Software ID:

Software Version:

Form 990, Special Condition Description:

Special Condition Description

SCHEDULE A

(Form 990 or 990EZ)

Department of the Treasury
Internal Revenue Service

Public Charity Status and Public Support

Complete if the organization is a section 501(c)(3) organization or a section 4947(a)(1) nonexempt charitable trust.
▶ Attach to Form 990 or Form 990-EZ.
▶ Go to www.irs.gov/Form990 for instructions and the latest information.

OMB No. 1545-0047

2019

Open to Public Inspection

Name of the organization
National Academy of Sciences

Employer identification number
53-0196932

Part I Reason for Public Charity Status (All organizations must complete this part.) See instructions.

The organization is not a private foundation because it is: (For lines 1 through 12, check only one box.)

- 1 ☐ A church, convention of churches, or association of churches described in **section 170(b)(1)(A)(i).**
- 2 ☐ A school described in **section 170(b)(1)(A)(ii).** (Attach Schedule E (Form 990 or 990-EZ).)
- 3 ☐ A hospital or a cooperative hospital service organization described in **section 170(b)(1)(A)(iii).**
- 4 ☐ A medical research organization operated in conjunction with a hospital described in **section 170(b)(1)(A)(iii).** Enter the hospital's name, city, and state:
- 5 ☐ An organization operated for the benefit of a college or university owned or operated by a governmental unit described in **section 170(b)(1)(A)(iv).** (Complete Part II.)
- 6 ☐ A federal, state, or local government or governmental unit described in **section 170(b)(1)(A)(v).**
- 7 ☒ An organization that normally receives a substantial part of its support from a governmental unit or from the general public described in **section 170(b)(1)(A)(vi).** (Complete Part II.)
- 8 ☐ A community trust described in **section 170(b)(1)(A)(vi).** (Complete Part II.)
- 9 ☐ An agricultural research organization described in **170(b)(1)(A)(ix)** operated in conjunction with a land-grant college or university or a non-land grant college of agriculture. See instructions. Enter the name, city, and state of the college or university:
- 10 ☐ An organization that normally receives: (1) more than 33 $\frac{1}{3}$ % of its support from contributions, membership fees, and gross receipts from activities related to its exempt functions—subject to certain exceptions, and (2) no more than 33 $\frac{1}{3}$ % of its support from gross investment income and unrelated business taxable income (less section 511 tax) from businesses acquired by the organization after June 30, 1975. See **section 509(a)(2).** (Complete Part III.)
- 11 ☐ An organization organized and operated exclusively to test for public safety. See **section 509(a)(4).**
- 12 ☐ An organization organized and operated exclusively for the benefit of, to perform the functions of, or to carry out the purposes of one or more publicly supported organizations described in **section 509(a)(1)** or **section 509(a)(2).** See **section 509(a)(3).** Check the box in lines 12a through 12d that describes the type of supporting organization and complete lines 12e, 12f, and 12g.
- a ☐ **Type I.** A supporting organization operated, supervised, or controlled by its supported organization(s), typically by giving the supported organization(s) the power to regularly appoint or elect a majority of the directors or trustees of the supporting organization. **You must complete Part IV, Sections A and B.**
- b ☐ **Type II.** A supporting organization supervised or controlled in connection with its supported organization(s), by having control or management of the supporting organization vested in the same persons that control or manage the supported organization(s). **You must complete Part IV, Sections A and C.**
- c ☐ **Type III functionally integrated.** A supporting organization operated in connection with, and functionally integrated with, its supported organization(s) (see instructions). **You must complete Part IV, Sections A, D, and E.**
- d ☐ **Type III non-functionally integrated.** A supporting organization operated in connection with its supported organization(s) that is not functionally integrated. The organization generally must satisfy a distribution requirement and an attentiveness requirement (see instructions). **You must complete Part IV, Sections A and D, and Part V.**
- e ☐ Check this box if the organization received a written determination from the IRS that it is a Type I, Type II, Type III functionally integrated, or Type III non-functionally integrated supporting organization.
- f Enter the number of supported organizations
- g Provide the following information about the supported organization(s).

(i) Name of supported organization	(ii) EIN	(iii) Type of organization (described on lines 1- 10 above (see instructions))	(iv) Is the organization listed in your governing document?		(v) Amount of monetary support (see instructions)	(vi) Amount of other support (see instructions)
			Yes	No		
Total						

Part II

Support Schedule for Organizations Described in Sections 170(b)(1)(A)(iv) and 170(b)(1)(A)(vi)
(Complete only if you checked the box on line 5, 7, or 8 of Part I or if the organization failed to qualify under Part III. If the organization failed to qualify under the tests listed below, please complete Part III.)

Section A. Public Support

Calendar year (or fiscal year beginning in) ▶	(a) 2015	(b) 2016	(c) 2017	(d) 2018	(e) 2019	(f) Total
1 Gifts, grants, contributions, and membership fees received. (Do not include any "unusual grant.") . . .	290,692,944	299,919,256	275,205,501	268,443,497	278,346,510	1,412,607,708
2 Tax revenues levied for the organization's benefit and either paid to or expended on its behalf						0
3 The value of services or facilities furnished by a governmental unit to the organization without charge.						0
4 Total. Add lines 1 through 3	290,692,944	299,919,256	275,205,501	268,443,497	278,346,510	1,412,607,708
5 The portion of total contributions by each person (other than a governmental unit or publicly supported organization) included on line 1 that exceeds 2% of the amount shown on line 11, column (f).						12,025,154
6 Public support. Subtract line 5 from line 4.						1,400,582,554

Section B. Total Support

Calendar year (or fiscal year beginning in) ▶	(a) 2015	(b) 2016	(c) 2017	(d) 2018	(e) 2019	(f) Total
7 Amounts from line 4.	290,692,944	299,919,256	275,205,501	268,443,497	278,346,510	1,412,607,708
8 Gross income from interest, dividends, payments received on securities loans, rents, royalties and income from similar sources	12,255,605	12,678,064	15,962,401	22,979,453	17,552,241	81,427,764
9 Net income from unrelated business activities, whether or not the business is regularly carried on.	142,314	171,748	357,640	0	0	671,702
10 Other income. Do not include gain or loss from the sale of capital assets (Explain in Part VI.).	983,346	1,841,760	1,778,940	1,799,953	1,952,015	8,356,014
11 Total support. Add lines 7 through 10						1,503,063,188
12 Gross receipts from related activities, etc. (see instructions)					12	117,854,549

13 First five years. If the Form 990 is for the organization's first, second, third, fourth, or fifth tax year as a section 501(c)(3) organization, check this box and **stop here** ☐

Section C. Computation of Public Support Percentage

14 Public support percentage for 2019 (line 6, column (f) divided by line 11, column (f))	14	93.182 %
15 Public support percentage for 2018 Schedule A, Part II, line 14	15	93.686 %
16a 33 1/3% support test—2019. If the organization did not check the box on line 13, and line 14 is 33 1/3% or more, check this box and stop here . The organization qualifies as a publicly supported organization	<input checked="" type="checkbox"/>	
b 33 1/3% support test—2018. If the organization did not check a box on line 13 or 16a, and line 15 is 33 1/3% or more, check this box and stop here . The organization qualifies as a publicly supported organization	<input type="checkbox"/>	
17a 10%-facts-and-circumstances test—2019. If the organization did not check a box on line 13, 16a, or 16b, and line 14 is 10% or more, and if the organization meets the "facts-and-circumstances" test, check this box and stop here . Explain in Part VI how the organization meets the "facts-and-circumstances" test. The organization qualifies as a publicly supported organization	<input type="checkbox"/>	
b 10%-facts-and-circumstances test—2018. If the organization did not check a box on line 13, 16a, 16b, or 17a, and line 15 is 10% or more, and if the organization meets the "facts-and-circumstances" test, check this box and stop here . Explain in Part VI how the organization meets the "facts-and-circumstances" test. The organization qualifies as a publicly supported organization	<input type="checkbox"/>	
18 Private foundation. If the organization did not check a box on line 13, 16a, 16b, 17a, or 17b, check this box and see instructions	<input type="checkbox"/>	

Part IIISupport Schedule for Organizations Described in Section 509(a)(2)

(Complete only if you checked the box on line 10 of Part I or if the organization failed to qualify under Part II. If the organization fails to qualify under the tests listed below, please complete Part II.)

Section A. Public Support						
Calendar year (or fiscal year beginning in) ▶	(a) 2015	(b) 2016	(c) 2017	(d) 2018	(e) 2019	(f) Total
1 Gifts, grants, contributions, and membership fees received. (Do not include any "unusual grants.") .						
2 Gross receipts from admissions, merchandise sold or services performed, or facilities furnished in any activity that is related to the organization's tax-exempt purpose						
3 Gross receipts from activities that are not an unrelated trade or business under section 513						
4 Tax revenues levied for the organization's benefit and either paid to or expended on its behalf						
5 The value of services or facilities furnished by a governmental unit to the organization without charge						
6 Total. Add lines 1 through 5						
7a Amounts included on lines 1, 2, and 3 received from disqualified persons						
b Amounts included on lines 2 and 3 received from other than disqualified persons that exceed the greater of \$5,000 or 1% of the amount on line 13 for the year.						
c Add lines 7a and 7b. .						
8 Public support. (Subtract line 7c from line 6.)						

Section B. Total Support						
Calendar year (or fiscal year beginning in) ▶	(a) 2015	(b) 2016	(c) 2017	(d) 2018	(e) 2019	(f) Total
9 Amounts from line 6. . .						
10a Gross income from interest, dividends, payments received on securities loans, rents, royalties and income from similar sources . .						
b Unrelated business taxable income (less section 511 taxes) from businesses acquired after June 30, 1975.						
c Add lines 10a and 10b.						
11 Net income from unrelated business activities not included in line 10b, whether or not the business is regularly carried on.						
12 Other income. Do not include gain or loss from the sale of capital assets (Explain in Part VI.) . .						
13 Total support. (Add lines 9, 10c, 11, and 12.) .						
14 First five years. If the Form 990 is for the organization's first, second, third, fourth, or fifth tax year as a section 501(c)(3) organization, check this box and stop here.						

Section C. Computation of Public Support Percentage		
15 Public support percentage for 2019 (line 8, column (f) divided by line 13, column (f))	15	
16 Public support percentage from 2018 Schedule A, Part III, line 15	16	

Section D. Computation of Investment Income Percentage		
17 Investment income percentage for 2019 (line 10c, column (f) divided by line 13, column (f))	17	
18 Investment income percentage from 2018 Schedule A, Part III, line 17	18	
19a 33 1/3% support tests—2019. If the organization did not check the box on line 14, and line 15 is more than 33 1/3%, and line 17 is not more than 33 1/3%, check this box and stop here. The organization qualifies as a publicly supported organization		
b 33 1/3% support tests—2018. If the organization did not check a box on line 14 or line 19a, and line 16 is more than 33 1/3% and line 18 is not more than 33 1/3%, check this box and stop here. The organization qualifies as a publicly supported organization		
20 Private foundation. If the organization did not check a box on line 14, 19a, or 19b, check this box and see instructions		

Part IV Supporting Organizations

(Complete only if you checked a box on line 12 of Part I. If you checked 12a of Part I, complete Sections A and B. If you checked 12b of Part I, complete Sections A and C. If you checked 12c of Part I, complete Sections A, D, and E. If you checked 12d of Part I, complete Sections A and D, and complete Part V.)

Section A. All Supporting Organizations

	Yes	No
1 Are all of the organization's supported organizations listed by name in the organization's governing documents? If "No," describe in Part VI how the supported organizations are designated. If designated by class or purpose, describe the designation. If historic and continuing relationship, explain.		
2 Did the organization have any supported organization that does not have an IRS determination of status under section 509(a)(1) or (2)? If "Yes," explain in Part VI how the organization determined that the supported organization was described in section 509(a)(1) or (2).		
3a Did the organization have a supported organization described in section 501(c)(4), (5), or (6)? If "Yes," answer (b) and (c) below.		
b Did the organization confirm that each supported organization qualified under section 501(c)(4), (5), or (6) and satisfied the public support tests under section 509(a)(2)? If "Yes," describe in Part VI when and how the organization made the determination.		
c Did the organization ensure that all support to such organizations was used exclusively for section 170(c)(2)(B) purposes? If "Yes," explain in Part VI what controls the organization put in place to ensure such use.		
4a Was any supported organization not organized in the United States ("foreign supported organization")? If "Yes" and if you checked 12a or 12b in Part I, answer (b) and (c) below.		
b Did the organization have ultimate control and discretion in deciding whether to make grants to the foreign supported organization? If "Yes," describe in Part VI how the organization had such control and discretion despite being controlled or supervised by or in connection with its supported organizations.		
c Did the organization support any foreign supported organization that does not have an IRS determination under sections 501(c)(3) and 509(a)(1) or (2)? If "Yes," explain in Part VI what controls the organization used to ensure that all support to the foreign supported organization was used exclusively for section 170(c)(2)(B) purposes.		
5a Did the organization add, substitute, or remove any supported organizations during the tax year? If "Yes," answer (b) and (c) below (if applicable). Also, provide detail in Part VI , including (i) the names and EIN numbers of the supported organizations added, substituted, or removed; (ii) the reasons for each such action; (iii) the authority under the organization's organizing document authorizing such action; and (iv) how the action was accomplished (such as by amendment to the organizing document).		
b Type I or Type II only. Was any added or substituted supported organization part of a class already designated in the organization's organizing document?		
c Substitutions only. Was the substitution the result of an event beyond the organization's control?		
6 Did the organization provide support (whether in the form of grants or the provision of services or facilities) to anyone other than (i) its supported organizations, (ii) individuals that are part of the charitable class benefited by one or more of its supported organizations, or (iii) other supporting organizations that also support or benefit one or more of the filing organization's supported organizations? If "Yes," provide detail in Part VI .		
7 Did the organization provide a grant, loan, compensation, or other similar payment to a substantial contributor (defined in section 4958(c)(3)(C)), a family member of a substantial contributor, or a 35% controlled entity with regard to a substantial contributor? If "Yes," complete Part I of Schedule L (Form 990 or 990-EZ) .		
8 Did the organization make a loan to a disqualified person (as defined in section 4958) not described in line 7? If "Yes," complete Part I of Schedule L (Form 990 or 990-EZ).		
9a Was the organization controlled directly or indirectly at any time during the tax year by one or more disqualified persons as defined in section 4946 (other than foundation managers and organizations described in section 509(a)(1) or (2))? If "Yes," provide detail in Part VI .		
b Did one or more disqualified persons (as defined in line 9a) hold a controlling interest in any entity in which the supporting organization had an interest? If "Yes," provide detail in Part VI .		
c Did a disqualified person (as defined in line 9a) have an ownership interest in, or derive any personal benefit from, assets in which the supporting organization also had an interest? If "Yes," provide detail in Part VI .		
10a Was the organization subject to the excess business holdings rules of section 4943 because of section 4943(f) (regarding certain Type II supporting organizations, and all Type III non-functionally integrated supporting organizations)? If "Yes," answer line 10b below.		
b Did the organization have any excess business holdings in the tax year? (Use Schedule C, Form 4720, to determine whether the organization had excess business holdings).		

Part IV Supporting Organizations (continued)

	Yes	No
11 Has the organization accepted a gift or contribution from any of the following persons?		
a A person who directly or indirectly controls, either alone or together with persons described in (b) and (c) below, the governing body of a supported organization?		
b A family member of a person described in (a) above?		
c A 35% controlled entity of a person described in (a) or (b) above? <i>If "Yes" to a, b, or c, provide detail in Part VI.</i>		

Section B. Type I Supporting Organizations

	Yes	No
1 Did the directors, trustees, or membership of one or more supported organizations have the power to regularly appoint or elect at least a majority of the organization's directors or trustees at all times during the tax year? <i>If "No," describe in Part VI how the supported organization(s) effectively operated, supervised, or controlled the organization's activities. If the organization had more than one supported organization, describe how the powers to appoint and/or remove directors or trustees were allocated among the supported organizations and what conditions or restrictions, if any, applied to such powers during the tax year.</i>		
2 Did the organization operate for the benefit of any supported organization other than the supported organization(s) that operated, supervised, or controlled the supporting organization? <i>If "Yes," explain in Part VI how providing such benefit carried out the purposes of the supported organization(s) that operated, supervised or controlled the supporting organization.</i>		

Section C. Type II Supporting Organizations

	Yes	No
1 Were a majority of the organization's directors or trustees during the tax year also a majority of the directors or trustees of each of the organization's supported organization(s)? <i>If "No," describe in Part VI how control or management of the supporting organization was vested in the same persons that controlled or managed the supported organization(s).</i>		

Section D. All Type III Supporting Organizations

	Yes	No
1 Did the organization provide to each of its supported organizations, by the last day of the fifth month of the organization's tax year, (i) a written notice describing the type and amount of support provided during the prior tax year, (ii) a copy of the Form 990 that was most recently filed as of the date of notification, and (iii) copies of the organization's governing documents in effect on the date of notification, to the extent not previously provided?		
2 Were any of the organization's officers, directors, or trustees either (i) appointed or elected by the supported organization(s) or (ii) serving on the governing body of a supported organization? <i>If "No," explain in Part VI how the organization maintained a close and continuous working relationship with the supported organization(s).</i>		
3 By reason of the relationship described in (2), did the organization's supported organizations have a significant voice in the organization's investment policies and in directing the use of the organization's income or assets at all times during the tax year? <i>If "Yes," describe in Part VI the role the organization's supported organizations played in this regard.</i>		

Section E. Type III Functionally-Integrated Supporting Organizations

1 Check the box next to the method that the organization used to satisfy the Integral Part Test during the year (see instructions):			
a <input type="checkbox"/> The organization satisfied the Activities Test. Complete line 2 below.			
b <input type="checkbox"/> The organization is the parent of each of its supported organizations. Complete line 3 below.			
c <input type="checkbox"/> The organization supported a governmental entity. Describe in Part VI how you supported a government entity (see instructions)			
2 Activities Test. Answer (a) and (b) below.			
a Did substantially all of the organization's activities during the tax year directly further the exempt purposes of the supported organization(s) to which the organization was responsive? <i>If "Yes," then in Part VI identify those supported organizations and explain how these activities directly furthered their exempt purposes, how the organization was responsive to those supported organizations, and how the organization determined that these activities constituted substantially all of its activities.</i>			
b Did the activities described in (a) constitute activities that, but for the organization's involvement, one or more of the organization's supported organization(s) would have been engaged in? <i>If "Yes," explain in Part VI the reasons for the organization's position that its supported organization(s) would have engaged in these activities but for the organization's involvement.</i>			
3 Parent of Supported Organizations. Answer (a) and (b) below.			
a Did the organization have the power to regularly appoint or elect a majority of the officers, directors, or trustees of each of the supported organizations? <i>Provide details in Part VI.</i>			
b Did the organization exercise a substantial degree of direction over the policies, programs and activities of each of its supported organizations? <i>If "Yes," describe in Part VI the role played by the organization in this regard.</i>			

Part V **Type III Non-Functionally Integrated 509(a)(3) Supporting Organizations**

1 ☐ Check here if the organization satisfied the Integral Part Test as a qualifying trust on Nov. 20, 1970 (explain in Part VI). **See instructions.** All other Type III non-functionally integrated supporting organizations must complete Sections A through E.

Section A - Adjusted Net Income		(A) Prior Year	(B) Current Year (optional)
1	Net short-term capital gain	1	
2	Recoveries of prior-year distributions	2	
3	Other gross income (see instructions)	3	
4	Add lines 1 through 3	4	
5	Depreciation and depletion	5	
6	Portion of operating expenses paid or incurred for production or collection of gross income or for management, conservation, or maintenance of property held for production of income (see instructions)	6	
7	Other expenses (see instructions)	7	
8	Adjusted Net Income (subtract lines 5, 6 and 7 from line 4)	8	

Section B - Minimum Asset Amount		(A) Prior Year	(B) Current Year (optional)
1	Aggregate fair market value of all non-exempt-use assets (see instructions for short tax year or assets held for part of year):	1	
a	Average monthly value of securities	1a	
b	Average monthly cash balances	1b	
c	Fair market value of other non-exempt-use assets	1c	
d	Total (add lines 1a, 1b, and 1c)	1d	
e	Discount claimed for blockage or other factors (explain in detail in Part VI):		
2	Acquisition indebtedness applicable to non-exempt use assets	2	
3	Subtract line 2 from line 1d	3	
4	Cash deemed held for exempt use. Enter 1-1/2% of line 3 (for greater amount, see instructions).	4	
5	Net value of non-exempt-use assets (subtract line 4 from line 3)	5	
6	Multiply line 5 by .035	6	
7	Recoveries of prior-year distributions	7	
8	Minimum Asset Amount (add line 7 to line 6)	8	

Section C - Distributable Amount			Current Year
1	Adjusted net income for prior year (from Section A, line 8, Column A)	1	
2	Enter 85% of line 1	2	
3	Minimum asset amount for prior year (from Section B, line 8, Column A)	3	
4	Enter greater of line 2 or line 3	4	
5	Income tax imposed in prior year	5	
6	Distributable Amount. Subtract line 5 from line 4, unless subject to emergency temporary reduction (see instructions)	6	

7 ☐ Check here if the current year is the organization's first as a non-functionally-integrated Type III supporting organization (see instructions)

Part V Type III Non-Functionally Integrated 509(a)(3) Supporting Organizations (continued)	
Section D - Distributions	Current Year
1 Amounts paid to supported organizations to accomplish exempt purposes	
2 Amounts paid to perform activity that directly furthers exempt purposes of supported organizations, in excess of income from activity	
3 Administrative expenses paid to accomplish exempt purposes of supported organizations	
4 Amounts paid to acquire exempt-use assets	
5 Qualified set-aside amounts (prior IRS approval required)	
6 Other distributions (describe in Part VI). See instructions	
7 Total annual distributions. Add lines 1 through 6.	
8 Distributions to attentive supported organizations to which the organization is responsive (provide details in Part VI). See instructions	
9 Distributable amount for 2019 from Section C, line 6	
10 Line 8 amount divided by Line 9 amount	

Section E - Distribution Allocations (see instructions)	(i) Excess Distributions	(ii) Underdistributions Pre-2019	(iii) Distributable Amount for 2019
1 Distributable amount for 2019 from Section C, line 6			
2 Underdistributions, if any, for years prior to 2019 (reasonable cause required-- explain in Part VI). See instructions.			
3 Excess distributions carryover, if any, to 2019:			
a From 2014.			
b From 2015.			
c From 2016.			
d From 2017.			
e From 2018.			
f Total of lines 3a through e			
g Applied to underdistributions of prior years			
h Applied to 2019 distributable amount			
i Carryover from 2014 not applied (see instructions)			
j Remainder. Subtract lines 3g, 3h, and 3i from 3f.			
4 Distributions for 2019 from Section D, line 7: \$			
a Applied to underdistributions of prior years			
b Applied to 2019 distributable amount			
c Remainder. Subtract lines 4a and 4b from 4.			
5 Remaining underdistributions for years prior to 2019, if any. Subtract lines 3g and 4a from line 2. If the amount is greater than zero, explain in Part VI . See instructions.			
6 Remaining underdistributions for 2019. Subtract lines 3h and 4b from line 1. If the amount is greater than zero, explain in Part VI . See instructions.			
7 Excess distributions carryover to 2020. Add lines 3j and 4c.			
8 Breakdown of line 7:			
a Excess from 2015.			
b Excess from 2016.			
c Excess from 2017.			
d Excess from 2018.			
e Excess from 2019.			

Part VI **Supplemental Information.** Provide the explanations required by Part II, line 10; Part II, line 17a or 17b; Part III, line 12; Part IV, Section A, lines 1, 2, 3b, 3c, 4b, 4c, 5a, 6, 9a, 9b, 9c, 11a, 11b, and 11c; Part IV, Section B, lines 1 and 2; Part IV, Section C, line 1; Part IV, Section D, lines 2 and 3; Part IV, Section E, lines 1c, 2a, 2b, 3a and 3b; Part V, line 1; Part V, Section B, line 1e; Part V Section D, lines 5, 6, and 8; and Part V, Section E, lines 2, 5, and 6. Also complete this part for any additional information. (See instructions).

Facts And Circumstances Test

Return Reference	Explanation
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Additional Data

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<div>Schedule B</div> <div>(Form 990, 990-EZ, or 990-PF)</div> <div>Department of the Treasury Internal Revenue Service</div>	<div>Schedule of Contributors</div> <div>▶ Attach to Form 990, 990-EZ, or 990-PF.</div> <div>▶ Go to www.irs.gov/Form990 for the latest information.</div>	<div>OMB No. 1545-0047</div> <div>2019</div>
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Name of the organization National Academy of Sciences	Employer identification number 53-0196932
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Organization type (check one):

Filers of:	Section:
Form 990 or 990-EZ	<input type="checkbox"/> 501(c)() (enter number) organization
	<input type="checkbox"/> 4947(a)(1) nonexempt charitable trust not treated as a private foundation
	<input type="checkbox"/> 527 political organization
Form 990-PF	<input type="checkbox"/> 501(c)(3) exempt private foundation
	<input type="checkbox"/> 4947(a)(1) nonexempt charitable trust treated as a private foundation
	<input type="checkbox"/> 501(c)(3) taxable private foundation

Check if your organization is covered by the **General Rule** or a **Special Rule**.
Note: Only a section 501(c)(7), (8), or (10) organization can check boxes for both the General Rule and a Special Rule. See instructions.

General Rule

☐ For an organization filing Form 990, 990-EZ, or 990-PF that received, during the year, contributions totaling \$5,000 or more (in money or other property) from any one contributor. Complete Parts I and II. See instructions for determining a contributor's total contributions.

Special Rules

- ☐ For an organization described in section 501(c)(3) filing Form 990 or 990-EZ that met the 33¹/₃% support test of the regulations under sections 509(a)(1) and 170(b)(1)(A)(vi), that checked Schedule A (Form 990 or 990-EZ), Part II, line 13, 16a, or 16b, and that received from any one contributor, during the year, total contributions of the greater of **(1)** \$5,000 or **(2)** 2% of the amount on (i) Form 990, Part VIII, line 1h, or (ii) Form 990-EZ, line 1. Complete Parts I and II.
- ☐ For an organization described in section 501(c)(7), (8), or (10) filing Form 990 or 990-EZ that received from any one contributor, during the year, total contributions of more than \$1,000 *exclusively* for religious, charitable, scientific, literary, or educational purposes, or for the prevention of cruelty to children or animals. Complete Parts I, II, and III.
- ☐ For an organization described in section 501(c)(7), (8), or (10) filing Form 990 or 990-EZ that received from any one contributor, during the year, contributions *exclusively* for religious, charitable, etc., purposes, but no such contributions totaled more than \$1,000. If this box is checked, enter here the total contributions that were received during the year for an *exclusively* religious, charitable, etc., purpose. Don't complete any of the parts unless the **General Rule** applies to this organization because it received *nonexclusively* religious, charitable, etc., contributions totaling \$5,000 or more during the year ▶ \$ _____

Caution: An organization that isn't covered by the General Rule and/or the Special Rules doesn't file Schedule B (Form 990, 990-EZ, or 990-PF), but it **must** answer "No" on Part IV, line 2, of its Form 990; or check the box on line H of its Form 990-EZ or on its Form 990PF, Part I, line 2, to certify that it doesn't meet the filing requirements of Schedule B (Form 990, 990-EZ, or 990-PF).

Employer identification number
53-0196932

Part I

(a) No.	(b) Name, address, and ZIP + 4	(c) Total contributions	(d) Type of contribution
RESTRICTED		\$ RESTRICTED	<input type="checkbox"/> Person
			<input type="checkbox"/> Payroll
			<input type="checkbox"/> Noncash (Complete Part II for noncash contributions.)
(a) No.	(b) Name, address, and ZIP + 4	(c) Total contributions	(d) Type of contribution
		\$	<input type="checkbox"/> Person
			<input type="checkbox"/> Payroll
			<input type="checkbox"/> Noncash (Complete Part II for noncash contributions.)
(a) No.	(b) Name, address, and ZIP + 4	(c) Total contributions	(d) Type of contribution
		\$	<input type="checkbox"/> Person
			<input type="checkbox"/> Payroll
			<input type="checkbox"/> Noncash (Complete Part II for noncash contributions.)
(a) No.	(b) Name, address, and ZIP + 4	(c) Total contributions	(d) Type of contribution
		\$	<input type="checkbox"/> Person
			<input type="checkbox"/> Payroll
			<input type="checkbox"/> Noncash (Complete Part II for noncash contributions.)
(a) No.	(b) Name, address, and ZIP + 4	(c) Total contributions	(d) Type of contribution
		\$	<input type="checkbox"/> Person
			<input type="checkbox"/> Payroll
			<input type="checkbox"/> Noncash (Complete Part II for noncash contributions.)
(a) No.	(b) Name, address, and ZIP + 4	(c) Total contributions	(d) Type of contribution
		\$	<input type="checkbox"/> Person
			<input type="checkbox"/> Payroll
			<input type="checkbox"/> Noncash (Complete Part II for noncash contributions.)
(a) No.	(b) Name, address, and ZIP + 4	(c) Total contributions	(d) Type of contribution
		\$	<input type="checkbox"/> Person
			<input type="checkbox"/> Payroll
			<input type="checkbox"/> Noncash (Complete Part II for noncash contributions.)
(a) No.	(b) Name, address, and ZIP + 4	(c) Total contributions	(d) Type of contribution
		\$	<input type="checkbox"/> Person
			<input type="checkbox"/> Payroll
			<input type="checkbox"/> Noncash (Complete Part II for noncash contributions.)

Name of organization National Academy of Sciences	Employer identification number 53-0196932
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Part II **Noncash Property** (see instructions). Use duplicate copies of Part II if additional space is needed.

(a) No. from Part I	(b) Description of noncash property given	(c) FMV (or estimate) (See instructions)	(d) Date received
-	<div></div> <div></div> <div></div>	<div></div> \$	<div></div>
(a) No. from Part I	(b) Description of noncash property given	(c) FMV (or estimate) (See instructions)	(d) Date received
-	<div></div> <div></div> <div></div>	<div></div> \$	<div></div>
(a) No. from Part I	(b) Description of noncash property given	(c) FMV (or estimate) (See instructions)	(d) Date received
-	<div></div> <div></div> <div></div>	<div></div> \$	<div></div>
(a) No. from Part I	(b) Description of noncash property given	(c) FMV (or estimate) (See instructions)	(d) Date received
-	<div></div> <div></div> <div></div>	<div></div> \$	<div></div>
(a) No. from Part I	(b) Description of noncash property given	(c) FMV (or estimate) (See instructions)	(d) Date received
-	<div></div> <div></div> <div></div>	<div></div> \$	<div></div>
(a) No. from Part I	(b) Description of noncash property given	(c) FMV (or estimate) (See instructions)	(d) Date received
-	<div></div> <div></div> <div></div>	<div></div> \$	<div></div>

Name of organization National Academy of Sciences	Employer identification number 53-0196932
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Part III Exclusively religious, charitable, etc., contributions to organizations described in section 501(c)(7), (8), or (10) that total more than \$1,000 for the year from any one contributor. Complete columns (a) through (e) and the following line entry. For organizations completing Part III, enter the total of exclusively religious, charitable, etc., contributions of \$1,000 or less for the year. (Enter this information once. See instructions.) ► \$ _____

Use duplicate copies of Part III if additional space is needed.

(a) No. from Part I	(b) Purpose of gift	(c) Use of gift	(d) Description of how gift is held
	_____	_____	_____
	_____	_____	_____
	(e) Transfer of gift		
	Transferee's name, address, and ZIP 4	Relationship of transferor to transferee	
	_____	_____	
	_____	_____	
(a) No. from Part I	(b) Purpose of gift	(c) Use of gift	(d) Description of how gift is held
	_____	_____	_____
	_____	_____	_____
	(e) Transfer of gift		
	Transferee's name, address, and ZIP 4	Relationship of transferor to transferee	
	_____	_____	
	_____	_____	
(a) No. from Part I	(b) Purpose of gift	(c) Use of gift	(d) Description of how gift is held
	_____	_____	_____
	_____	_____	_____
	(e) Transfer of gift		
	Transferee's name, address, and ZIP 4	Relationship of transferor to transferee	
	_____	_____	
	_____	_____	
(a) No. from Part I	(b) Purpose of gift	(c) Use of gift	(d) Description of how gift is held
	_____	_____	_____
	_____	_____	_____
	(e) Transfer of gift		
	Transferee's name, address, and ZIP 4	Relationship of transferor to transferee	
	_____	_____	
	_____	_____	

Additional Data

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Software ID:

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SCHEDULE D
(Form 990)

Supplemental Financial Statements

OMB No. 1545-0047

2019

Open to Public Inspection

Department of the Treasury
Internal Revenue Service

► Complete if the organization answered "Yes," on Form 990, Part IV, line 6, 7, 8, 9, 10, 11a, 11b, 11c, 11d, 11e, 11f, 12a, or 12b.
► Attach to Form 990.
► Go to www.irs.gov/Form990 for instructions and the latest information.

Name of the organization
National Academy of Sciences

Employer identification number
53-0196932

Part I

Organizations Maintaining Donor Advised Funds or Other Similar Funds or Accounts.
Complete if the organization answered "Yes" on Form 990, Part IV, line 6.

	(a) Donor advised funds	(b) Funds and other accounts
1 Total number at end of year		
2 Aggregate value of contributions to (during year)		
3 Aggregate value of grants from (during year)		
4 Aggregate value at end of year		

5 Did the organization inform all donors and donor advisors in writing that the assets held in donor advised funds are the organization's property, subject to the organization's exclusive legal control?

☐ Yes ☐ No

6 Did the organization inform all grantees, donors, and donor advisors in writing that grant funds can be used only for charitable purposes and not for the benefit of the donor or donor advisor, or for any other purpose conferring impermissible private benefit?

☐ Yes ☐ No

Part II

Conservation Easements.
Complete if the organization answered "Yes" on Form 990, Part IV, line 7.

1 Purpose(s) of conservation easements held by the organization (check all that apply).
☐ Preservation of land for public use (e.g., recreation or education) ☐ Preservation of an historically important land area
☐ Protection of natural habitat ☐ Preservation of a certified historic structure
☐ Preservation of open space

2 Complete lines 2a through 2d if the organization held a qualified conservation contribution in the form of a conservation easement on the last day of the tax year.

	Held at the End of the Year
a Total number of conservation easements	2a
b Total acreage restricted by conservation easements	2b
c Number of conservation easements on a certified historic structure included in (a)	2c
d Number of conservation easements included in (c) acquired after 7/25/06, and not on a historic structure listed in the National Register	2d

3 Number of conservation easements modified, transferred, released, extinguished, or terminated by the organization during the tax year ►

4 Number of states where property subject to conservation easement is located ►

5 Does the organization have a written policy regarding the periodic monitoring, inspection, handling of violations, and enforcement of the conservation easements it holds? ☐ Yes ☐ No

6 Staff and volunteer hours devoted to monitoring, inspecting, handling of violations, and enforcing conservation easements during the year
►

7 Amount of expenses incurred in monitoring, inspecting, handling of violations, and enforcing conservation easements during the year
► \$

8 Does each conservation easement reported on line 2(d) above satisfy the requirements of section 170(h)(4) (B)(i) and section 170(h)(4)(B)(ii)? ☐ Yes ☐ No

9 In Part XIII, describe how the organization reports conservation easements in its revenue and expense statement, and balance sheet, and include, if applicable, the text of the footnote to the organization's financial statements that describes the organization's accounting for conservation easements.

Part III

Organizations Maintaining Collections of Art, Historical Treasures, or Other Similar Assets.
Complete if the organization answered "Yes" on Form 990, Part IV, line 8.

1a If the organization elected, as permitted under SFAS 116 (ASC 958), not to report in its revenue statement and balance sheet works of art, historical treasures, or other similar assets held for public exhibition, education, or research in furtherance of public service, provide, in Part XIII, the text of the footnote to its financial statements that describes these items.

b If the organization elected, as permitted under SFAS 116 (ASC 958), to report in its revenue statement and balance sheet works of art, historical treasures, or other similar assets held for public exhibition, education, or research in furtherance of public service, provide the following amounts relating to these items:
(i) Revenue included on Form 990, Part VIII, line 1 ► \$
(ii) Assets included in Form 990, Part X ► \$

2 If the organization received or held works of art, historical treasures, or other similar assets for financial gain, provide the following amounts required to be reported under SFAS 116 (ASC 958) relating to these items:
a Revenue included on Form 990, Part VIII, line 1 ► \$
b Assets included in Form 990, Part X ► \$

Part III Organizations Maintaining Collections of Art, Historical Treasures, or Other Similar Assets (continued)

- 3 Using the organization's acquisition, accession, and other records, check any of the following that are a significant use of its collection items (check all that apply):
- a ☐ Public exhibition

b ☐ Scholarly research

c ☐ Preservation for future generations

d ☐ Loan or exchange programs

e ☐ Other
- 4 Provide a description of the organization's collections and explain how they further the organization's exempt purpose in Part XIII.
- 5 During the year, did the organization solicit or receive donations of art, historical treasures or other similar assets to be sold to raise funds rather than to be maintained as part of the organization's collection? . . . ☐ Yes ☐ No

Part IV Escrow and Custodial Arrangements.

Complete if the organization answered "Yes" on Form 990, Part IV, line 9, or reported an amount on Form 990, Part X, line 21.

- 1a Is the organization an agent, trustee, custodian or other intermediary for contributions or other assets not included on Form 990, Part X? ☐ Yes ☐ No
- b If "Yes," explain the arrangement in Part XIII and complete the following table:

	Amount
c Beginning balance	1c
d Additions during the year	1d
e Distributions during the year	1e
f Ending balance	1f
- 2a Did the organization include an amount on Form 990, Part X, line 21, for escrow or custodial account liability? ☐ Yes ☐ No
- b If "Yes," explain the arrangement in Part XIII. Check here if the explanation has been provided in Part XIII ☐

Part V Endowment Funds.

Complete if the organization answered "Yes" on Form 990, Part IV, line 10.

- | | (a) Current year | (b) Prior year | (c) Two years back | (d) Three years back | (e) Four years back |
|--|------------------|----------------|--------------------|----------------------|---------------------|
| 1a Beginning of year balance | 510,729,179 | 506,239,689 | 442,655,235 | 419,881,146 | 422,989,387 |
| b Contributions | 24,860,491 | 36,353,688 | 14,102,054 | 6,719,329 | 20,766,452 |
| c Net investment earnings, gains, and losses | 75,191,857 | -12,549,155 | 65,052,736 | 34,017,585 | -4,648,681 |
| d Grants or scholarships | | | | | |
| e Other expenditures for facilities and programs | 18,800,333 | 19,315,043 | 15,570,336 | 17,962,825 | 19,226,012 |
| f Administrative expenses | | | | | |
| g End of year balance | 591,981,194 | 510,729,179 | 506,239,689 | 442,655,235 | 419,881,146 |
- 2 Provide the estimated percentage of the current year end balance (line 1g, column (a)) held as:
- a Board designated or quasi-endowment ▶ 27.000 %

b Permanent endowment ▶ 73.000 %

c Temporarily restricted endowment ▶
- The percentages on lines 2a, 2b, and 2c should equal 100%.
- 3a Are there endowment funds not in the possession of the organization that are held and administered for the organization by:
- (i) unrelated organizations

(ii) related organizations
- b If "Yes" on 3a(ii), are the related organizations listed as required on Schedule R?
- | | Yes | No |
|--------|-----|----|
| 3a(i) | | No |
| 3a(ii) | | No |
| 3b | | |
- 4 Describe in Part XIII the intended uses of the organization's endowment funds.

Part VI Land, Buildings, and Equipment.

Complete if the organization answered "Yes" on Form 990, Part IV, line 11a. See Form 990, Part X, line 10.

Description of property	(a) Cost or other basis (investment)	(b) Cost or other basis (other)	(c) Accumulated depreciation	(d) Book value
1a Land		29,688,875		29,688,875
b Buildings		177,868,340	68,824,875	109,043,465
c Leasehold improvements		4,073,377	3,572,622	500,755
d Equipment		41,077,050	34,542,103	6,534,947
e Other		885,429	39,688	845,741
Total. Add lines 1a through 1e. (Column (d) must equal Form 990, Part X, column (B), line 10(c).) . . . ▶				146,613,783

Part VII

Investments—Other Securities.
Complete if the organization answered "Yes" on Form 990, Part IV, line 11b. See Form 990, Part X, line 12.

(a) Description of security or category (including name of security)	(b) Book value	(c) Method of valuation: Cost or end-of-year market value
(1) Financial derivatives		
(2) Closely-held equity interests		
(3) Other _____		
(A) HEDGE FUNDS	256,672,094	F
(B) PRIVATE EQUITY	34,418,642	F
(C) LONG/SHORT EQUITY HEDGE FUNDS	104,415,021	F
(D)		
(E)		
(F)		
(G)		
(H)		
(I)		
Total. (Column (b) must equal Form 990, Part X, col. (B) line 12.)	395,505,757	

Part VIII

Investments—Program Related.
Complete if the organization answered 'Yes' on Form 990, Part IV, line 11c. See Form 990, Part X, line 13.

(a) Description of investment	(b) Book value	(c) Method of valuation: Cost or end-of-year market value
(2)		
(3)		
(4)		
(5)		
(6)		
(7)		
(8)		
(9)		
(10)		
Total. (Column (b) must equal Form 990, Part X, col.(B) line 13.)		

Part IX

Other Assets.
Complete if the organization answered 'Yes' on Form 990, Part IV, line 11d. See Form 990, Part X, line 15.

(a) Description	(b) Book value
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	
Total. (Column (b) must equal Form 990, Part X, col.(B) line 15.)	

Part X

Other Liabilities.
Complete if the organization answered 'Yes' on Form 990, Part IV, line 11e or 11f.
See Form 990, Part X, line 25.

1. (a) Description of liability	(b) Book value
(1) Federal income taxes	0
(6)	
(7)	
(8)	
(9)	
Total. (Column (b) must equal Form 990, Part X, col.(B) line 25.)	27,590,580

2. Liability for uncertain tax positions. In Part XIII, provide the text of the footnote to the organization's financial statements that reports the organization's liability for uncertain tax positions under FIN 48 (ASC 740). Check here if the text of the footnote has been provided in Part XIII ☒

Part XI

Reconciliation of Revenue per Audited Financial Statements With Revenue per Return.
Complete if the organization answered 'Yes' on Form 990, Part IV, line 12a.

1	Total revenue, gains, and other support per audited financial statements	1	452,590,145
2	Amounts included on line 1 but not on Form 990, Part VIII, line 12:		
a	Net unrealized gains (losses) on investments	2a	31,649,718
b	Donated services and use of facilities	2b	
c	Recoveries of prior year grants	2c	
d	Other (Describe in Part XIII.)	2d	15,291,922
e	Add lines 2a through 2d	2e	46,941,640
3	Subtract line 2e from line 1	3	405,648,505
4	Amounts included on Form 990, Part VIII, line 12, but not on line 1:		
a	Investment expenses not included on Form 990, Part VIII, line 7b	4a	767,742
b	Other (Describe in Part XIII.)	4b	
c	Add lines 4a and 4b	4c	767,742
5	Total revenue. Add lines 3 and 4c. (This must equal Form 990, Part I, line 12.)	5	406,416,247

Part XII

Reconciliation of Expenses per Audited Financial Statements With Expenses per Return.
Complete if the organization answered 'Yes' on Form 990, Part IV, line 12a.

1	Total expenses and losses per audited financial statements	1	353,868,986
2	Amounts included on line 1 but not on Form 990, Part IX, line 25:		
a	Donated services and use of facilities	2a	
b	Prior year adjustments	2b	
c	Other losses	2c	
d	Other (Describe in Part XIII.)	2d	
e	Add lines 2a through 2d	2e	
3	Subtract line 2e from line 1	3	353,868,986
4	Amounts included on Form 990, Part IX, line 25, but not on line 1:		
a	Investment expenses not included on Form 990, Part VIII, line 7b	4a	767,742
b	Other (Describe in Part XIII.)	4b	-15,182,119
c	Add lines 4a and 4b	4c	-14,414,377
5	Total expenses. Add lines 3 and 4c. (This must equal Form 990, Part I, line 18.)	5	339,454,609

Part XIII

Supplemental Information

Provide the descriptions required for Part II, lines 3, 5, and 9; Part III, lines 1a and 4; Part IV, lines 1b and 2b; Part V, line 4; Part X, line 2; Part XI, lines 2d and 4b; and Part XII, lines 2d and 4b. Also complete this part to provide any additional information.

Return Reference	Explanation
USE OF ENDOWMENT FUNDS	FORM 990, SCHEDULE D, PART V, LINE 4 EARNINGS FROM THE ENDOWMENT ARE USED TO FURTHER THE EXEMPT PURPOSES OF THE ORGANIZATION.
LIABILITY FOR UNCERTAIN TAX POSITION	FORM 990, SCHEDULE D, PART X, LINE 2 NAS follows guidance that clarifies the accounting for uncertainty in tax positions taken or expected to be taken in a tax return, including issues relating to financial statement recognition and measurement. This guidance provides that the tax effects from an uncertain tax position can only be recognized in the financial statements if the position is "more-likely-than-not" to be sustained if the position were to be challenged by a taxing authority. The assessment of the tax position is based solely on the technical merits of the position, without regard to the likelihood that the tax position may be challenged. NAS is exempt from federal income tax under Internal Revenue Code ("IRC") Section 501(c)(3), though it is subject to tax on income unrelated to its exempt purpose, unless that income is otherwise excluded by the IRC. NAS has processes presently in place to maintain its tax-exempt status; to identify and report unrelated income; to determine its filing and tax obligations in jurisdictions for which it may have a nexus; and to identify and evaluate other matters that may be considered tax positions. The tax years ending December 31, 2019, 2018, 2017, and 2016 are still open to audit for both federal and state income tax purposes. NAS has determined that there are no material unrelated business activities or uncertain tax positions that require recognition or disclosure in the financial statements. RECONCILIATION OF REVENUE PER AFS WITH REVENUE PER RETURN FORM 990 SCHEDULE D, PART XI, LINE 2D AMOUNT REPORTED INCLUDES: COST OF GOODS SOLD \$14,216,902 UNREALIZED loss ON DERIVATIVES (70,664) RENTAL EXPENSE 1,013,546 UNREALIZED gain ON CHARITABLE GIFT ANNUITIES 180,467 INVESTMENT RELATED EXPENSES (48,329) ----- TOTAL \$15,291,922 =====
RECONCILIATION OF EXPENSE PER AFS WITH EXPENSE PER RETURN	FORM 990, SCHEDULE D, PART XII, LINE 4B AMOUNT REPORTED INCLUDES: COST OF GOODS SOLD (14,216,902) RENTAL EXPENSE (1,013,546) INVESTMENT RELATED EXPENSES 48,329 --- ----- TOTAL \$(15,182,119) =====

Additional Data

[Return to Form](#)

Software ID:

Software Version:

SCHEDULE F
(Form 990)

Department of the Treasury
Internal Revenue Service

Name of the organization
National Academy of Sciences

Statement of Activities Outside the United States

► Complete if the organization answered "Yes" to Form 990, Part IV, line 14b, 15, or 16.
► Attach to Form 990.
► Go to www.irs.gov/Form990 for instructions and the latest information.

OMB No. 1545-0047

2019

Open to Public Inspection

Employer identification number

53-0196932

Part I

General Information on Activities Outside the United States. Complete if the organization answered "Yes" on Form 990, Part IV, line 14b.

- 1 For grantmakers. Does the organization maintain records to substantiate the amount of its grants or other assistance, the grantees' eligibility for the grants or assistance, and the selection criteria used to award the grants or assistance? ☒ Yes ☐ No
- 2 For grantmakers. Describe in Part V the organization's procedures for monitoring the use of its grants and other assistance outside the United States.
- 3 Activities per Region. (The following Part I, line 3 table can be duplicated if additional space is needed.)

(a) Region	(b) Number of offices in the region	(c) Number of employees, agents, and independent contractors in the region	(d) Activities conducted in region (by type) (such as, fundraising, program services, investments, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in the region	(f) Total expenditures for and investments in the region
(1) East Asia and the Pacific		6	Program Services	RADIATION EFFECTS RES	1,524,318
(2) Central America and the Caribbean			Grantmaking		212,475
(3) Middle East and North Africa			Grantmaking		1,225,040
(4) South America			Grantmaking		394,429
(5) South Asia			Grantmaking		1,062,106
(6) Sub-Saharan Africa			Grantmaking		1,649,034
(7) East Asia and the Pacific			Grantmaking		1,798,416
(8) North America			Grantmaking		29,400
(9) Europe (Including Iceland and Greenland)			Grantmaking		146,924
(10) Russia and the Newly Independent States			Grantmaking		135,915
(11) Sub-Saharan Africa			Investments		7,728,346
(12) Central America and the Caribbean			Investments		188,046,909
(13)					
(14)					
(15)					
(16)					
(17)					
3a Sub-total		6			203,953,312
b Total from continuation sheets to Part I					
c Totals (add lines 3a and 3b)		6			203,953,312

1	(a) Name of organization	(b) IRS code section and EIN (if applicable)	(c) Region	(d) Purpose of grant	(e) Amount of cash grant	(f) Manner of cash disbursement	(g) Amount of noncash assistance	(h) Description of noncash assistance	(i) Method of valuation (book, FMV, appraisal, other)
(1)			South Asia	Research Grant	251,219	Wire			
(2)			Sub-Saharan Africa	Research Grant	231,902	Wire			
(3)			Sub-Saharan Africa	Research Grant	230,880	Wire			
(4)			South Asia	Research Grant	206,410	Wire			
(5)			Middle East and North Africa	Research Grant	201,300	Wire			
(6)			East Asia and the Pacific	Research Grant	194,509	Wire			
(7)			Sub-Saharan Africa	Research Grant	151,555	Wire			
(8)			Middle East and North Africa	Research Grant	150,769	Wire			
(9)			Middle East and North Africa	Research Grant	142,500	Wire			
(10)			East Asia and the Pacific	Research Grant	135,992	Wire			
(11)			East Asia and the Pacific	Research Grant	131,545	Wire			
(12)			South Asia	Research Grant	127,658	Wire			
(13)			East Asia and the Pacific	Research Grant	120,473	Wire			
(14)			Sub-Saharan Africa	Research Grant	120,012	Wire			
(15)			Middle East and North Africa	Research Grant	110,649	Wire			
(16)			Central America and the Caribbean	Research Grant	106,521	Wire			
(17)			Sub-Saharan Africa	Research Grant	103,341	Wire			
(18)			Sub-Saharan Africa	Research Grant	100,137	Wire			
(19)			East Asia and the Pacific	Research Grant	99,840	Wire			
(20)			East Asia and the Pacific	Research Grant	99,743	Wire			
(21)			Sub-Saharan Africa	Research Grant	99,250	Wire			
(22)			Sub-Saharan Africa	Research Grant	97,742	Wire			
(23)			Middle East and North Africa	Research Grant	97,300	Wire			
(24)			Sub-Saharan Africa	Research Grant	92,344	Wire			
(25)			Middle East and North Africa	Research Grant	86,000	Wire			
(26)			South America	Research Grant	85,304	Wire			
(27)			Middle East and North Africa	Research Grant	79,999	Wire			
(28)			Middle East and North Africa	Research Grant	79,976	Wire			
(29)			Middle East and North Africa	Research Grant	79,420	Wire			
(30)			South America	Research Grant	79,283	Wire			
(31)			South Asia	Research Grant	79,260	Wire			
(32)			South Asia	Research Grant	77,405	Wire			
(33)			East Asia and the Pacific	Research Grant	77,000	Wire			
(34)			East Asia and the Pacific	Research Grant	75,000	Wire			
(35)			East Asia and the Pacific	Research Grant	74,402	Wire			
(36)			South America	Research Grant	74,205	Wire			
(37)			South Asia	Research Grant	74,000	Wire			
(38)			Sub-Saharan Africa	Research Grant	73,872	Wire			
(39)			East Asia and the Pacific	Research Grant	71,492	Wire			
(40)			East Asia and the Pacific	Research Grant	70,880	Wire			
(41)			Russia and Neighboring States	Research Grant	70,880	Wire			
(42)			East Asia and the Pacific	Research Grant	70,300	Wire			
(43)			East Asia and the Pacific	Research Grant	69,946	Wire			
(44)			Sub-Saharan Africa	Research Grant	69,245	Wire			
(45)			East Asia and the Pacific	Research Grant	66,300	Wire			
(46)			South Asia	Research Grant	65,340	Wire			
(47)			East Asia and the Pacific	Research Grant	64,307	Wire			
(48)			East Asia and the Pacific	Research Grant	61,127	Wire			
(49)			South America	Research Grant	60,842	Wire			
(50)			Central America and the Caribbean	Research Grant	56,100	Wire			
(51)			South Asia	Research Grant	52,320	Wire			
(52)			Sub-Saharan Africa	Research Grant	51,622	Wire			
(53)			Sub-Saharan Africa	Research Grant	50,112	Wire			
(54)			South Asia	Research Grant	50,000	Wire			
(55)			Central America and the Caribbean	Research Grant	49,854	Wire			
(56)			Middle East and North Africa	Research Grant	46,703	Wire			
(57)			Middle East and North Africa	Research Grant	46,400	Wire			
(58)			Russia and Neighboring States	Research Grant	46,060	Wire			
(59)			East Asia and the Pacific	Research Grant	45,820	Wire			
(60)			South Asia	Research Grant	43,875	Wire			
(61)			East Asia and the Pacific	Research Grant	40,175	Wire			
(62)			Sub-Saharan Africa	Research Grant	39,512	Wire			
(63)			East Asia and the Pacific	Research Grant	37,026	Wire			
(64)			South Asia	Research Grant	34,618	Wire			
(65)			East Asia and the Pacific	Research Grant	33,350	Wire			
(66)			Europe	Research Grant	33,093	Wire			
(67)			Middle East and North Africa	Research Grant	31,000	Wire			
(68)			East Asia and the Pacific	Research Grant	30,000	Wire			
(69)			North America	Research Grant	29,400	Wire			
(70)			East Asia and the Pacific	Research Grant	28,500	Wire			
(71)			South America	Research Grant	25,000	Wire			
(72)			Sub-Saharan Africa	Research Grant	25,000	Wire			
(73)			South America	Research Grant	24,995	Wire			
(74)			East Asia and the Pacific	Research Grant	24,503	Wire			
(75)			South America	Research Grant	24,300	Wire			
(76)			East Asia and the Pacific	Research Grant	22,896	Wire			
(77)			Middle East and North Africa	Research Grant	22,050	Wire			
(78)			South America	Research Grant	20,500	Wire			
(79)			Sub-Saharan Africa	Research Grant	20,000	Wire			
(80)			Russia and Neighboring States	Research Grant	18,975	Wire			
(81)			Middle East and North Africa	Research Grant	17,700	Wire			
(82)			Middle East and North Africa	Research Grant	16,709	Wire			
(83)			East Asia and the Pacific	Research Grant	15,118	Wire			
(84)			Middle East and North Africa	Research Grant	12,065	Wire			
(85)			Sub-Saharan Africa	Research Grant	10,000	Wire			
(86)			Sub-Saharan Africa	Research Grant	10,000	Wire			
(87)			East Asia and the Pacific	Research Grant	9,100	Wire			
(88)			East Asia and the Pacific	Research Grant	9,095	Wire			
(89)			East Asia and the Pacific	Research Grant	8,810	Wire			
(90)			Europe	Research Grant	7,856	Wire			
(91)			East Asia and the Pacific	Research Grant	7,276	Wire			
(92)			Sub-Saharan Africa	Research Grant	5,236	Wire			
(93)			Sub-Saharan Africa	Research Grant	48,642	Wire			

2 Enter total number of recipient organizations listed above that are recognized as charities by the foreign country, recognized as tax-exempt by the IRS, or for which the grantee or counsel has provided a section 501(c)(3) equivalency letter

10

3 Enter total number of other organizations or entities

83

Part III **Grants and Other Assistance to Individuals Outside the United States.** Complete if the organization answered "Yes" on Form 990, Part IV, line 16.
Part III can be duplicated if additional space is needed.

(a) Type of grant or assistance	(b) Region	(c) Number of recipients	(d) Amount of cash grant	(e) Manner of cash disbursement	(f) Amount of noncash assistance	(g) Description of noncash assistance	(h) Method of valuation (book, FMV, appraisal, other)
(1) Individual Prizes and Awards	Europe (Including Iceland and Greenland)	2	100,475	wire			
(2) Individual Fellowship	Europe (Including Iceland and Greenland)	1	5,500	Wire			
(3) Individual Fellowship	Middle East and North Africa	1	2,500	Wire			
(4) Individual Speaker Fees & Honoraria	Middle East and North Africa	2	2,000	Wire			
(5) Individual Prizes and Awards	Sub-Saharan Africa	1	5,631	Wire			
(6) Individual Speaker Fees & Honoraria	Sub-Saharan Africa	8	8,000	Wire			
(7)							
(8)							
(9)							
(10)							
(11)							
(12)							
(13)							
(14)							
(15)							
(16)							
(17)							
(18)							

Part IV Foreign Forms

- 1

Was the organization a U.S. transferor of property to a foreign corporation during the tax year? *If "Yes," the organization may be required to file Form 926, Return by a U.S. Transferor of Property to a Foreign Corporation (see Instructions for Form 926)*

☒ Yes

☐ No
- 2

Did the organization have an interest in a foreign trust during the tax year? *If "Yes," the organization may be required to separately file Form 3520, Annual Return to Report Transactions with Foreign Trusts and Receipt of Certain Foreign Gifts, and/or Form 3520-A, Annual Information Return of Foreign Trust With a U.S. Owner (see Instructions for Forms 3520 and 3520-A; don't file with Form 990)*

☐ Yes

☒ No
- 3

Did the organization have an ownership interest in a foreign corporation during the tax year? *If "Yes," the organization may be required to file Form 5471, Information Return of U.S. Persons with Respect to Certain Foreign Corporations. (see Instructions for Form 5471)*

☒ Yes

☐ No
- 4

Was the organization a direct or indirect shareholder of a passive foreign investment company or a qualified electing fund during the tax year? *If "Yes," the organization may be required to file Form 8621, Information Return by a Shareholder of a Passive Foreign Investment Company or Qualified Electing Fund. (see Instructions for Form 8621)*

☒ Yes

☐ No
- 5

Did the organization have an ownership interest in a foreign partnership during the tax year? *If "Yes," the organization may be required to file Form 8865, Return of U.S. Persons with Respect to Certain Foreign Partnerships (see Instructions for Form 8865)*

☒ Yes

☐ No
- 6

Did the organization have any operations in or related to any boycotting countries during the tax year? *If "Yes," the organization may be required to separately file Form 5713, International Boycott Report (see Instructions for Form 5713; don't file with Form 990).*

☐ Yes

☒ No

Provide the information required by Part I, line 2 (monitoring of funds); Part I, line 3, column (f) (accounting method; amounts of investments vs. expenditures per region); Part II, line 1 (accounting method); Part III (accounting method); and Part III, column (c) (estimated number of recipients), as applicable. Also complete this part to provide any additional information. See instructions.

Schedule F (Form 990) 2019

Additional Data

Software ID:

Software Version:

SCHEDULE G
(Form 990 or 990-EZ)

Supplemental Information Regarding
Fundraising or Gaming Activities

Complete if the organization answered "Yes" on Form 990, Part IV, lines 17, 18, or 19, or if the organization entered more than \$15,000 on Form 990-EZ, line 6a.
▶ Attach to Form 990 or Form 990-EZ.
▶ Go to www.irs.gov/Form990 for instructions and the latest information.

OMB No. 1545-0047
2019
Open to Public Inspection

Department of the Treasury
Internal Revenue Service

Name of the organization
National Academy of Sciences

Employer identification number
53-0196932

Part I Fundraising Activities. Complete if the organization answered "Yes" on Form 990, Part IV, line 17.
Form 990-EZ filers are not required to complete this part.

- 1 Indicate whether the organization raised funds through any of the following activities. Check all that apply.
- a ☒ Mail solicitations

e ☒ Solicitation of non-government grants

b ☒ Internet and email solicitations

f ☒ Solicitation of government grants

c ☐ Phone solicitations

g ☐ Special fundraising events

d ☒ In-person solicitations
- 2a Did the organization have a written or oral agreement with any individual (including officers, directors, trustees or key employees listed in Form 990, Part VII) or entity in connection with professional fundraising services? ☒ Yes ☐ No
- b If "Yes," list the 10 highest paid individuals or entities (fundraisers) pursuant to agreements under which the fundraiser is to be compensated at least \$5,000 by the organization.

(i) Name and address of individual or entity (fundraiser)	(ii) Activity	(iii) Did fundraiser have custody or control of contributions?		(iv) Gross receipts from activity	(v) Amount paid to (or retained by) fundraiser listed in col. (i)	(vi) Amount paid to (or retained by) organization
		Yes	No			
1 Marts and Lundy Inc 1200 Wall Street West Lyndurst, NJ 07071	Fundraising Counsel		No		117,705	
2						
3						
4						
5						
6						
7						
8						
9						
10						
Total ▶					117,705	

Part II Fundraising Events. Complete if the organization answered "Yes" on Form 990, Part IV, line 18, or reported more than \$15,000 of fundraising event contributions and gross income on Form 990-EZ, lines 1 and 6b. List events with gross receipts greater than \$5,000.

Revenue		(a)Event #1	(b) Event #2	(c)Other events	(d) Total events
		(event type)	(event type)	(total number)	(add col. (a) through col. (c))
	1 Gross receipts				
	2 Less: Contributions				
	3 Gross income (line 1 minus line 2)				
Direct Expenses	4 Cash prizes				
	5 Noncash prizes				
	6 Rent/facility costs				
	7 Food and beverages				
	8 Entertainment				
	9 Other direct expenses				
	10 Direct expense summary. Add lines 4 through 9 in column (d) ▶				
	11 Net income summary. Subtract line 10 from line 3, column (d) ▶				

Part III Gaming. Complete if the organization answered "Yes" on Form 990, Part IV, line 19, or reported more than \$15,000 on Form 990-EZ, line 6a.

Revenue		(a) Bingo	(b) Pull tabs/Instant bingo/progressive bingo	(c) Other gaming	(d) Total gaming (add col.(a) through col.(c))
Direct Expenses	1 Gross revenue				
	2 Cash prizes				
	3 Noncash prizes				
	4 Rent/facility costs				
	5 Other direct expenses				
	6 Volunteer labor	<input type="checkbox"/> Yes _____% .. <input type="checkbox"/> No	<input type="checkbox"/> Yes _____% .. <input type="checkbox"/> No	<input type="checkbox"/> Yes _____% .. <input type="checkbox"/> No	
	7 Direct expense summary. Add lines 2 through 5 in column (d) ▶				
	8 Net gaming income summary. Subtract line 7 from line 1, column (d). ▶				

9 Enter the state(s) in which the organization conducts gaming activities:_____

a Is the organization licensed to conduct gaming activities in each of these states? ☐ Yes ☐ No

b If "No," explain: _____

10a Were any of the organization's gaming licenses revoked, suspended or terminated during the tax year? . . . ☐ Yes ☐ No

b If "Yes," explain: _____

11

Does the organization conduct gaming activities with nonmembers?

☐ Yes ☐ No

12

Is the organization a grantor, beneficiary or trustee of a trust or a member of a partnership or other entity formed to administer charitable gaming?

☐ Yes ☐ No

13

Indicate the percentage of gaming activity conducted in:

a	The organization's facility	13a	%
b	An outside facility	13b	%

14

Enter the name and address of the person who prepares the organization's gaming/special events books and records:

Name ▶ -----

Address ▶ -----

15a

Does the organization have a contract with a third party from whom the organization receives gaming revenue?

☐ Yes ☐ No

b

If "Yes," enter the amount of gaming revenue received by the organization ▶ \$ _____ and the amount of gaming revenue retained by the third party ▶ \$ _____.

c

If "Yes," enter name and address of the third party:

Name ▶ -----

Address ▶ -----

16 Gaming manager information:

Name ▶ -----

Gaming manager compensation ▶ \$ -----

Description of services provided ▶ -----

☐ Director/officer

☐ Employee

☐ Independent contractor

17 Mandatory distributions:

a

Is the organization required under state law to make charitable distributions from the gaming proceeds to retain the state gaming license?

☐ Yes ☐ No

b

Enter the amount of distributions required under state law distributed to other exempt organizations or spent in the organization's own exempt activities during the tax year ▶ \$ _____

Part IV

Supplemental Information. Provide the explanations required by Part I, line 2b, columns (iii) and (v); and Part III, lines 9, 9b, 10b, 15b, 15c, 16, and 17b, as applicable. Also provide any additional information. See instructions.

Return Reference	Explanation
SCHEDULE G FILING	THE NATIONAL ACADEMY OF SCIENCES FILES SCHEDULE G DUE TO THE ENGAGEMENT OF A PROFESSIONAL FUNDRAISING COUNSEL, WHOSE ROLE IS LIMITED TO PROSPECT MANAGEMENT AND DOES NOT INVOLVE SOLICITING FUNDS.

Note: To capture the full content of this document, please select landscape mode (11" x 8.5") when printing.

Schedule I
(Form 990)

Department of the Treasury
Internal Revenue Service

Name of the organization
National Academy of Sciences

OMB No. 1545-0047

2019

Open to Public Inspection

Grants and Other Assistance to Organizations,
Governments and Individuals in the United States

Complete if the organization answered "Yes," on Form 990, Part IV, line 21 or 22.
▶ Attach to Form 990.
▶ Go to www.irs.gov/Form990 for the latest information.

Employer identification number
53-0196932

Part I General Information on Grants and Assistance

1 Does the organization maintain records to substantiate the amount of the grants or assistance, the grantees' eligibility for the grants or assistance, and the selection criteria used to award the grants or assistance? ☒ Yes ☐ No

2 Describe in Part IV the organization's procedures for monitoring the use of grant funds in the United States.

Part II Grants and Other Assistance to Domestic Organizations and Domestic Governments. Complete if the organization answered "Yes" on Form 990, Part IV, line 21, for any recipient that received more than \$5,000. Part II can be duplicated if additional space is needed.

(a) Name and address of organization or government	(b) EIN	(c) IRC section (if applicable)	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of noncash assistance	(h) Purpose of grant or assistance
(1) THE URBAN INSTITUTE 500 LENFANT PLAZA SW WASHINGTON, DC 20024	52-0880375	501(C)(3)	1,635,745				Research Grant
(2) UNIV OF GEORGIA RESEARCH FOUNDATION INC 310 E CAMPUS RD ATHENS, GA 306021589	58-1353149	501(C)(3)	1,214,304				Research Grant
(3) WOODS HOLE OCEANOGRAPHIC INST 266 WOODS HOLE RD WOODS HOLE, MA 025431535	04-2105850	501(C)(3)	867,525				Research Grant
(4) POPULATION SERVICES INTERNATIONAL 1120 19TH ST NW WASHINGTON, DC 200363605	56-0942853	501(C)(3)	736,745				Research Grant
(5) DUKE UNIVERSITY 2117 CAMPUS DRIVE DURHAM, NC 27708	56-0532129	501(C)(3)	585,145				Research Grant
(6) Georgia Southern Univ Research & Svc Fndn PO BOX 8005 STATESBORO, GA 304601000	58-2354256	501(C)(3)	582,022				Research Grant
(7) BIGELOW LABORATORY FOR OCEAN SCIENCES PO BOX 380 EAST BOOTHBAY, ME 04540380	01-6006001	501(C)(3)	419,890				Research Grant
(8) SMITHSONIAN SCIENCE EDUCATION CENTER 901 D ST SW STE 704 B WASHINGTON, DC 20024	53-0206027	501(C)(3)	282,127				Research Grant
(9) THE WATER INSTITUTE OF THE GULF 1110 RIVER ROAD S BATON ROUGE, LA 70802	45-1066585	501(C)(3)	238,279				Research Grant
(10) FLORIDA ATLANTIC UNIV RESEARCH CORP 777 GLADES RD BOCA RATON, FL 334310991	65-0385507	501(C)(3)	199,192				Research Grant
(11) GEORGIA TECH RESEARCH CORP 505 10TH STREET NW ATLANTA, GA 303320420	58-0603146	501(C)(3)	158,517				Research Grant
(12) SIGMA XI 3106 EAKEN NC HWY 54 RESEARCH TRIANGLE PK, NC 27709	06-0655494	501(C)(3)	152,994				Research Grant
(13) YALE UNIVERSITY BOX 208281 YALE STATION NEW HAVEN, CT 06520	06-0646973	501(C)(3)	144,100				Research Grant
(14) FLORIDA A&M UNIVERSITY PO BOX 71700 TALLAHASSEE, FL 323071700	59-0977035	501(C)(3)	134,343				Research Grant
(15) RTI INTERNATIONAL 3040 CORNWALLIS RD RESEARCH TRIANGLE PK, NC 27709	56-0686338	501(C)(3)	114,965				Research Grant
(16) ENVIRONMENTAL DEFENSE FUND 257 PARK AVENUE SOUTH NEW YORK, NY 10010	11-6107128	501(C)(3)	113,474				Research Grant
(17) SMITH COLLEGE COLLEGE HALL SMITH COLLEGE NORTHAMPTON, MA 01063	04-1843040	501(C)(3)	110,511				Research Grant
(18) POSSIBLE 30 BROAD ST FL 9 NEW YORK, NY 100042971	20-3055055	501(C)(3)	83,465				Research Grant
(19) LEBANESE AMERICAN UNIVERSITY 475 RIVERSIDE DR STE 1846 NEW YORK, NY 10115	98-6001269	501(C)(3)	80,000				Research Grant
(20) PUBLIC LABORATORY FOR OPEN TECHNOLOGY PO BOX 426113 CAMBRIDGE, MA 021420020	45-2846555	501(C)(3)	72,249				Research Grant
(21) UNIVERSITY CORP FOR ATMOSPHERIC RESEARCH 3090 CENTER GREEN DRIVE BOULDER, CO 80301	84-0412668	501(C)(3)	64,714				Research Grant
(22) MASSACHUSETTS INSTITUTE OF TECHNOLOGY 77 MASSACHUSETTS AVE CAMBRIDGE, MA 02139	04-2103594	501(C)(3)	52,200				Research Grant
(23) CLASP 1401 K ST NW WASHINGTON, DC 20005	23-7000150	501(C)(3)	47,000				Research Grant
(24) NORTHEASTERN UNIVERSITY MS 540-NU-RES BOSTON, MA 02115	04-1679980	501(C)(3)	39,850				Research Grant
(25) EMORY UNIVERSITY 1762 CLIFTON ROAD NE ATLANTA, GA 30322	58-0566256	501(C)(3)	26,467				Research Grant
(26) INST FOR PATIENT & FAMILY CENTERED CARE 5199 E PACIFIC COAST HWY LONG BEACH, CA 90804	27-4415929	501(C)(3)	11,890				Research Grant
(27) SIM USA INC 14830 CHOATE CIR CHARLOTTE, NC 282739105	22-1936391	501(C)(3)	172,648				Research Grant
(28) TULANE UNIVERSITY 1430 TULANE AVE EP-15 NEW ORLEANS, LA 70112	72-0423889	501(C)(3)	774,470				Research Grant
(29) AMERICAN BUREAU OF SHIPPING 1701 CITY PLAZA DR SPRING, TX 773891831	13-4921556	501(C)(6)	1,257,192				Research Grant
(30) AMERICAN BOARD OF FAMILY MEDICINE INC 1648 MCGRATHIANA PKWY LEXINGTON, KY 405111342	43-0921226	501(C)(6)	25,000				Research Grant
(31) LOUISIANA STATE UNIVERSITY 202 HIMES HALL BATON ROUGE, LA 70803	72-6000848	GOVT	3,412,861				Research Grant
(32) UNIVERSITY OF NORTH CAROLINA- CHAPEL HILL 218 BYNUM HALL CB 4010 CHAPEL HILL, NC 27599	56-6001393	GOVT	1,667,255				Research Grant
(33) UNIVERSITY OF SOUTH FLORIDA 4202 E FOWLER ADM 147 TAMPA, FL 336205800	59-3102112	GOVT	1,396,473				Research Grant
(34) UNIVERSITY OF CENTRAL FLORIDA 12424 RESEARCH PKWY ORLANDO, FL 328263271	59-2924021	GOVT	1,210,790				Research Grant
(35) NORTH CAROLINA STATE UNIVERSITY 2701 SULLIVAN DRIVE SUITE 240 RALEIGH, NC 276957214	56-6000756	GOVT	1,192,636				Research Grant
(36) TEXAS A&M 400 HARVEY MITCHELL PKWY SOUTH COLLEGE STATION, TX 778454375	74-1974733	GOVT	1,061,266				Research Grant
(37) UNIVERSITY OF HOUSTON 4302 UNIVERSITY DR RM 316 HOUSTON, TX 77204	74-6001399	GOVT	863,852				Research Grant
(38) THE REGENTS OF THE UNIVERSITY OF MICHIGAN 3003 S STATE ST SPC 1274 ANN ARBOR, MI 48109	38-6006309	GOVT	765,090				Research Grant
(39) UNIVERSITY OF RHODE ISLAND 70 LOWER COLLEGE ROAD KINGSTON, RI 02881	18-6266060	GOVT	559,930				Research Grant
(40) MISSISSIPPI STATE UNIVERSITY 449 HARDY RD MISSISSIPPI STATE, MS 39762	64-6000819	GOVT	526,930				Research Grant
(41) UNIVERSITY OF SOUTHERN MISSISSIPPI 118 COLLEGE DRIVE 5157 HATTIESBURG, MS 394060001	64-6000818	GOVT	490,569				Research Grant
(42) OKLAHOMA STATE UNIVERSITY 203 WHITEHURST STILLWATER, OK 74078	73-6017987	GOVT	454,312				Research Grant
(43) UNIVERSITY OF CALIFORNIA SAN DIEGO 9500 GILMAN DR-DEPT 210 LA JOLLA, CA 920930210	95-6006144	GOVT	292,302				Research Grant
(44) PURDUE UNIVERSITY 155 SOUTH GRANT STREET WEST LAFAYETTE, IN 479072114	35-6002041	GOVT	281,397				Research Grant
(45) UNIVERSITY OF NORTH DAKOTA 264 CENTENNIAL DR GRAND FORKS, ND 582027306	45-6002491	GOVT	279,384				Research Grant
(46) THE UNIVERSITY OF TEXAS MD ANDERSON CANCER CENTER 1515 HOLCOMBE BLVD HOUSTON, TX 77030	74-6001118	GOVT	254,141				Research Grant
(47) UNIVERSITY OF MISSISSIPPI 100 BARR HALL UNIVERSITY, MS 38677	64-6001159	GOVT	218,834				Research Grant
(48) RUTGERS - THE STATE UNIV OF NEW JERSEY 33 KNIGHTSBRIDGE RD PISCATAWAY, NJ 088543925	22-6001086	GOVT	209,573				Research Grant
(49) UNIVERSITY OF CALIFORNIA DAVIS 1850 RESEARCH PARK DR DAVIS, CA 95618	94-6036494	GOVT	204,353				Research Grant
(50) UNIVERSITY OF MIAMI 4600 RICKENBACKER CAUSEWAY MIAMI, FL 33149	59-0624458	GOVT	201,894				Research Grant
(51) FLORIDA STATE UNIVERSITY 874 TRADITIONS WAY TALLAHASSEE, FL 32306	59-3211153	GOVT	181,026				Research Grant
(52) UNIVERSITY OF ALABAMA PO BOX 870135 TUSCALOOSA, AL 35487	63-6001138	GOVT	165,737				Research Grant
(53) UNIVERSITY OF DELAWARE 210 KULLIHEN HALL NEWARK, DE 19716	51-6000297	GOVT	161,031				Research Grant
(54) OHIO STATE UNIVERSITY 1960 KENNY ROAD COLUMBUS, OH 43210	31-6025986	GOVT	134,764				Research Grant
(55) UNIVERSITY OF CALIFORNIA RIVERSIDE 900 UNIVERSITY AVE RIVERSIDE, CA 925210001	95-6006142	GOVT	108,414				Research Grant
(56) WRIGHT STATE UNIVERSITY 3640 COLONEL GLENN HWY DAYTON, OH 45435	31-0732831	GOVT	106,776				Research Grant
(57) UNIVERSITY OF CALIFORNIA LOS ANGELES 10889 WILSHIRE BLVD LOS ANGELES, CA 900952000	11-8401756	GOVT	104,457				Research Grant
(58) NORTH DAKOTA STATE UNIVERSITY 1735 NDSU RESEARCH PARK FARGO, ND 581086050	45-6002439	GOVT	79,173				Research Grant
(59) UNIVERSITY OF UTAH 1471 FEDERAL WAY SALT LAKE CITY, UT 841021821	87-6000525	GOVT	68,684				Research Grant
(60) MISSISSIPPI DEPARTMENT OF MARINE RESOURCES 1141 BAYVIEW AVE BILOXI, MS 395301631	64-0844747	GOVT	66,547				Research Grant
(61) UNIVERSITY OF CONNECTICUT 438 WHITNEY ROAD EXTENSION STORRS, CT 062691133	92-7570622	GOVT	59,955				Research Grant
(62) UNIVERSITY OF TEXAS AT AUSTIN 101 E 27TH STREET STOP A9000 AUSTIN, TX 787121532	74-6000203	GOVT	55,186				Research Grant
(63) UNIVERSITY OF MARYLAND 620 W LEXINGTON BALTIMORE, MD 21201	52-6002033	GOVT	53,043				Research Grant
(64) UNIVERSITY OF KENTUCKY 109 KINKAD HALL LEXINGTON, KY 405060057	61-6033693	GOVT	49,995				Research Grant
(65) GEORGE MASON UNIVERSITY 4400 UNIVERSITY DRIVE FAIRFAX, VA 22030	54-0836354	GOVT	49,986				Research Grant
(66) UNIVERSITY OF NEVADA RENO UNIV OF NEVADA RENO RENO, NV 895570025	39-1805963	GOVT	46,622				Research Grant
(67) AIR FORCE RESEARCH LABORATORY 2610 SEVENTH STREET BLDG 441 WRIGHT PATTERSON AFB, OH 45433	31-1612994	GOVT	41,387				Research Grant
(68) WESTERN MICHIGAN UNIVERSITY 1903 W MICHIGAN AVE KALAMAZOO, MI 490085456	38-6007327	GOVT	39,352				Research Grant
(69) UNIVERSITY OF PENNSYLVANIA 220 SOUTH 33RD STREET PHILADELPHIA, PA 191046391	23-1352685	GOVT	30,000				Research Grant
(70) THE RESEARCH FNDN OF STATE UNIV OF NEW York 750 E ADAMS ST SYRACUSE, NY 132102306	14-1368361	GOVT	25,000				Research Grant
(71) FLORIDA MAXIMA CORPORATION 6415 TURTLEMOUND RD NEW SMYRNA BEACH, FL 321694817	59-2947640		262,767				Research Grant
(72) FORRISTALL OCEAN ENGINEERING INC 101 CHESTNUT ST CAMDEN, ME 048432230	20-0753912		52,000				Research Grant
(73) GE GLOBAL RESEARCH 500 1ST AVE PITTSBURGH, PA 152193129	14-0689340		30,000				Research Grant
(74) US ARMY Combat Capabilities Devt Command 8158 BLACKHAWK RD GUNPOWDER, MD 210105424		GOVT	41,387				Research Grant
(75) US ARMY Edgewood Chemical Biological Center 8198 BLACKHAWK RD GUNPOWDER, MD 210105424		GOVT	42,214				RESEARCH GRANT
(76) US MILITARY ACADEMY BLDG 600 TAYLOR HALL LEVEL 82 WEEST POINT, NY 10996		GOVT	83,601				RESEARCH GRANT
(77) USDA Agricultural Research Service 800 BUCHANAN STREET ALBANY, CA 94710		GOVT	50,000				RESEARCH GRANT
(78) US Army Med Resc Inst of Infectious Disease 1425 PORTER ST FREDERICK, MD 21702		GOVT	42,214				RESEARCH GRANT
(79) US Army Med Resc Inst of Chemical Defense 8350 RICKETTS POINT RD GUNPOWDER, MD 210105400		GOVT	41,387				RESEARCH GRANT
(80) THE UNIVERSITY OF TEXAS RIO GRANDE 1201 W UNIVERSITY DR EDINBURG, TX 785392909	46-5292740	501(C)(3)	25,000				RESEARCH GRANT

2 Enter total number of section 501(c)(3) and government organizations listed in the line 1 table 75

3 Enter total number of other organizations listed in the line 1 table ▶

Part III

Grants and Other Assistance to Domestic Individuals.

Complete if the organization answered "Yes" on Form 990, Part IV, line 22.
Part III can be duplicated if additional space is needed.

(a) Type of grant or assistance	(b) Number of recipients	(c) Amount of cash grant	(d) Amount of noncash assistance	(e) Method of valuation (book, FMV, appraisal, other)	(f) Description of noncash assistance
(1) Fellowship Stipends/Rel Expense	1179	32,922,022			
(2) Travel Grants	875	3,389,080			
(3) Honoraria Prizes & Awards	157	2,239,231			
(4) Tuition & Fees	2	4,000			
(5) Research Grant	1	20,000			
(5)					
(6)					
(7)					

Part IV

Supplemental Information.

Provide the information required in Part I, line 2; Part III, column (b); and any other additional information.

Return Reference	Explanation
MONITORING THE USE OF GRANTS AND OTHER ASSISTANCE	SCHEDULE I, PART II, LINE 2 DISBURSEMENTS FOR GRANTS, SCHOLARSHIPS, AND FELLOWSHIPS ARE MADE IN FURTHERANCE OF THE INSTITUTIONS EXEMPT PURPOSES AND IN ACCORDANCE WITH PROCEDURES INTENDED TO CONFIRM THAT INDIVIDUALS AND ORGANIZATIONS ARE ADEQUATELY INVESTIGATED TO CONFIRM THAT THEY ARE QUALIFYING RECIPIENTS. RECIPIENTS ARE GENERALLY EXPECTED TO SUBMIT PROGRESS REPORTS DURING THE GRANT PERIOD AND TO RETURN FUNDS NOT SPENT FOR THE PURPOSE OF THE GRANT.

Additional Data

Return to Form

Software ID:
Software Version:

Schedule J
(Form 990)

Department of the Treasury
Internal Revenue Service

Compensation Information

For certain Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees
▶ Complete if the organization answered "Yes" on Form 990, Part IV, line 23.
▶ Attach to Form 990.
▶ Go to www.irs.gov/Form990 for instructions and the latest information.

OMB No. 1545-0047

2019

Open to Public Inspection

Name of the organization
National Academy of Sciences

Employer identification number
53-0196932

Part I

Questions Regarding Compensation

1a	Check the appropriate box(es) if the organization provided any of the following to or for a person listed on Form 990, Part VII, Section A, line 1a. Complete Part III to provide any relevant information regarding these items. <div><div><input type="checkbox"/> First-class or charter travel</div><div><input checked="" type="checkbox"/> Travel for companions</div><div><input checked="" type="checkbox"/> Tax idemnification and gross-up payments</div><div><input type="checkbox"/> Discretionary spending account</div><div><input checked="" type="checkbox"/> Housing allowance or residence for personal use</div><div><input type="checkbox"/> Payments for business use of personal residence</div><div><input type="checkbox"/> Health or social club dues or initiation fees</div><div><input type="checkbox"/> Personal services (e.g., maid, chauffeur, chef)</div></div>		Yes	No
b	If any of the boxes on Line 1a are checked, did the organization follow a written policy regarding payment or reimbursement or provision of all of the expenses described above? If "No," complete Part III to explain	1b	Yes	
2	Did the organization require substantiation prior to reimbursing or allowing expenses incurred by all directors, trustees, officers, including the CEO/Executive Director, regarding the items checked on Line 1a?	2	Yes	
3	Indicate which, if any, of the following the filing organization used to establish the compensation of the organization's CEO/Executive Director. Check all that apply. Do not check any boxes for methods used by a related organization to establish compensation of the CEO/Executive Director, but explain in Part III. <div><div><input checked="" type="checkbox"/> Compensation committee</div><div><input type="checkbox"/> Independent compensation consultant</div><div><input type="checkbox"/> Form 990 of other organizations</div><div><input type="checkbox"/> Written employment contract</div><div><input checked="" type="checkbox"/> Compensation survey or study</div><div><input checked="" type="checkbox"/> Approval by the board or compensation committee</div></div>			
4	During the year, did any person listed on Form 990, Part VII, Section A, line 1a, with respect to the filing organization or a related organization: <div><div>a Receive a severance payment or change-of-control payment?</div><div>b Participate in, or receive payment from, a supplemental nonqualified retirement plan?</div><div>c Participate in, or receive payment from, an equity-based compensation arrangement?</div></div> If "Yes" to any of lines 4a-c, list the persons and provide the applicable amounts for each item in Part III.	4a		No
		4b		No
		4c		No
	Only 501(c)(3), 501(c)(4), and 501(c)(29) organizations must complete lines 5-9.			
5	For persons listed on Form 990, Part VII, Section A, line 1a, did the organization pay or accrue any compensation contingent on the revenues of: <div><div>a The organization?</div><div>b Any related organization?</div></div> If "Yes," on line 5a or 5b, describe in Part III.	5a		No
		5b		No
6	For persons listed on Form 990, Part VII, Section A, line 1a, did the organization pay or accrue any compensation contingent on the net earnings of: <div><div>a The organization?</div><div>b Any related organization?</div></div> If "Yes," on line 6a or 6b, describe in Part III.	6a		No
		6b		No
7	For persons listed on Form 990, Part VII, Section A, line 1a, did the organization provide any nonfixed payments not described in lines 5 and 6? If "Yes," describe in Part III	7	Yes	
8	Were any amounts reported on Form 990, Part VII, paid or accrued pursuant to a contract that was subject to the initial contract exception described in Regulations section 53.4958-4(a)(3)? If "Yes," describe in Part III	8		No
9	If "Yes" on line 8, did the organization also follow the rebuttable presumption procedure described in Regulations section 53.4958-6(c)?	9		

Part II

Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees. Use duplicate copies if additional space is needed.

For each individual whose compensation must be reported on Schedule J, report compensation from the organization on row (i) and from related organizations, described in the instructions, on row (ii). Do not list any individuals that are not listed on Form 990, Part VII.

Note. The sum of columns (B)(i)-(iii) for each listed individual must equal the total amount of Form 990, Part VII, Section A, line 1a, applicable column (D) and (E) amounts for that individual.

(A) Name and Title		(B) Breakdown of W-2 and/or 1099-MISC compensation			(C) Retirement and other deferred compensation	(D) Nontaxable benefits	(E) Total of columns (B)(i)-(D)	(F) Compensation in column (B) reported as deferred on prior Form 990
		(i) Base compensation	(ii) Bonus & incentive compensation	(iii) Other reportable compensation				
1MARCIA MCNUTT PRESIDENT	(i)	739,208	0	242,166	51,900	32,469	1,065,743	0
	(ii)	0	0	0	0	0	0	0
2C DAN MOTE JR PRESIDENT- NAE END 6/30/19	(i)	391,329	0	31,138	51,900	3,046	477,413	0
	(ii)	0	0	0	0	0	0	0
3VICTOR DZAU PRESIDENT - NAM	(i)	738,411	0	243,662	51,900	29,860	1,063,833	0
	(ii)	0	0	0	0	0	0	0
4BRUCE DARLING EXECUTIVE OFFICER	(i)	413,237	0	150,666	51,900	16,357	632,160	0
	(ii)	0	0	0	0	0	0	0
5MARY SALMON CHIEF FINANCIAL OFFICER	(i)	285,344	1,487	26,087	37,900	19,508	370,326	0
	(ii)	0	0	0	0	0	0	0
6VAUGHAN TUREKIAN Executive Director PGA	(i)	253,595	0	2,386	35,688	38,395	330,064	0
	(ii)	0	0	0	0	0	0	0
7JAMES F HINCHMAN DEP EXEC OFCR/CHIEF OP OFCR	(i)	439,604	0	57,822	51,900	7,438	556,764	0
	(ii)	0	0	0	0	0	0	0
8CLYDE BEHNEY EXECUTIVE DIRECTOR HMD	(i)	309,450	3,200	12,347	51,900	6,117	383,014	0
	(ii)	0	0	0	0	0	0	0
9NEIL PEDERSEN EXECUTIVE DIRECTOR TRB	(i)	252,730	0	24,390	50,329	3,272	330,721	0
	(ii)	0	0	0	0	0	0	0
10ERIC GRANT RERF ASSOC CHIEF OF RESEARCH	(i)	159,969	0	213,493	29,094	765	403,321	0
	(ii)	0	0	0	0	0	0	0
11ROBERT ULLRICH RERF CHIEF OF RESEARCH	(i)	228,653	0	231,254	43,740	32,115	535,762	0
	(ii)	0	0	0	0	0	0	0
12KENNETH FULTON EXECUTIVE DIRECTOR	(i)	306,563	3,162	20,051	51,900	16,156	397,832	0
	(ii)	0	0	0	0	0	0	0
13ALINA BRENNER RERF SENIOR RESEARCHER	(i)	131,085	0	229,797	18,527	42,824	422,233	0
	(ii)	0	0	0	0	0	0	0
14DAVID MAY CHIEF COMMUNICATIONS OFFICER	(i)	286,060	30,000	21,980	25,797	37,064	400,901	0
	(ii)	0	0	0	0	0	0	0
15JOHN ANDERSON PRESIDENT- NAE BEG 7/01/19	(i)	352,886	0	82,609	0	9,145	444,640	0
	(ii)	0	0	0	0	0	0	0

Part III **Supplemental Information**

Provide the information, explanation, or descriptions required for Part I, lines 1a, 1b, 3, 4a, 4b, 4c, 5a, 5b, 6a, 6b, 7, and 8, and for Part II. Also complete this part for any additional information.

Return Reference	Explanation
HOUSING ALLOWANCE	SCHEDULE J, PART I, LINE 1 THE PRESIDENT OF THE NATIONAL ACADEMY OF SCIENCES, THE NATIONAL ACADEMY OF MEDICINE, AND THE NATIONAL ACADEMY OF ENGINEERING EACH RECEIVED A SUPPLEMENT TO SALARY FOR THE COST OF RENTAL HOUSING IN THE WASHINGTON, DC AREA FOR PERSONAL USE AND TRAVEL EXPENSES. THE ALLOWANCE IS REPORTED AS TAXABLE INCOME ON FORM W-2.
TRAVEL FOR COMPANIONS	SCHEDULE J, PART I, LINE 1 NAS PROCEDURES PROVIDE FOR REIMBURSEMENT OF TRAVEL EXPENSES FOR THE SPOUSES OF THE PRESIDENTS OF NAS, NAE, AND NAM SOLELY IN CIRCUMSTANCES IN WHICH THE SPOUSES PRESENCE SERVES A BONA FIDE BUSINESS PURPOSE OF THE NAS AND THE EXPENSES HAVE BEEN PROPERLY SUBSTANTIATED. TRAVEL EXPENSES ARE REVIEWED EACH YEAR THROUGH A SURVEY OF THE EXECUTIVE OFFICES OF THE PRESIDENTS.
TAX INDEMNIFICATION AND GROSS-UP PAYMENTS	SCHEDULE J, PART I, LINE 1 NAS PROVIDES TAX EQUALIZATION PAYMENTS FOR EMPLOYEES ON INTERNATIONAL ASSIGNMENT IN JAPAN GREATER THAN SIX MONTHS. THE OBJECTIVE OF THE NAS TAX EQUALIZATION GUIDELINES IS TO EQUALIZE THE TAX BURDEN OF EMPLOYEES ASSIGNED TO JAPAN. SCHEDULE J, PART-TIME OFFICERS' COMPENSATION FOR THE VICE PRESIDENT, TREASURER, FOREIGN SECRETARY AND HOME SECRETARY, TIME ESTIMATES ARE BASED ON A PERCENTAGE LEVEL OF EFFORT, WHICH RANGES BETWEEN 25% AND 50%. NAS REIMBURSES EACH PART-TIME OFFICER'S HOME INSTITUTION FOR THE APPLICABLE PERCENTAGE OF SALARY PAID BY THE HOME INSTITUTION.
NON-FIXED PAYMENTS	SCHEDULE J, PART I, LINE 7 CERTAIN OFFICERS, KEY, AND OTHER EMPLOYEES OF NAS RECEIVED LUMP-SUM MERIT AWARDS. MERIT AWARDS ARE DETERMINED BY A NUMBER OF VARIABLES INCLUDING BUT NOT LIMITED TO INDIVIDUAL PERFORMANCE AS WELL AS ORGANIZATION OPERATIONAL ACHIEVEMENTS. MERIT AWARDS PAYMENTS ARE REPORTED IN PART II, COLUMN B(II).

Additional Data

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Schedule K
(Form 990)

Supplemental Information on Tax-Exempt Bonds

▶ Complete if the organization answered "Yes" to Form 990, Part VI, line 24a. Provide descriptions, explanations, and any additional information in Part VI.
▶ Attach to Form 990.
▶ Go to www.irs.gov/Form990 for instructions and the latest information.

OMB No. 1545-0047

2019

Open to Public Inspection

Department of the Treasury
Internal Revenue Service

Name of the organization
National Academy of Sciences

Employer identification number
53-0196932

Part I Bond Issues

(a) Issuer name	(b) Issuer EIN	(c) CUSIP #	(d) Date issued	(e) Issue price	(f) Description of purpose	(g) Defeased		(h) On behalf of issuer		(i) Pool financing	
						Yes	No	Yes	No	Yes	No
A District of Columbia	53-6001131	000000000	08-01-2019	57,100,000	REFUND SERIES 2008A BONDS		X		X		X
B District of Columbia	53-6001131	000000000	05-01-2017	46,770,000	REFUND SERIES 2009A BONDS		X		X		X
C District of Columbia	53-6001131	2548398N6	05-20-2010	60,876,507	RESTORE CONSTITUTION AVE FACILITY		X		X		X
D District of Columbia	53-6001131	000000000	12-21-2017	52,760,000	PARTIAL REFUND SERIES 2010A BONDS		X		X		X

Part II Proceeds

					A		B		C		D	
1	Amount of bonds retired					0		0		0		0
2	Amount of bonds legally defeased					0		0		49,125,000		0
3	Total proceeds of issue					66,325,000		52,120,000		60,876,507		52,760,000
4	Gross proceeds in reserve funds					0		0		0		0
5	Capitalized interest from proceeds					0		0		5,285,950		0
6	Proceeds in refunding escrows					0		0		0		52,756,156
7	Issuance costs from proceeds					0		0		0		0
8	Credit enhancement from proceeds					0		0		0		0
9	Working capital expenditures from proceeds					0		0		0		0
10	Capital expenditures from proceeds					0		0		50,408,099		0
11	Other spent proceeds					0		0		10,468,408		844
12	Other unspent proceeds					0		0		0		0
13	Year of substantial completion				2002		2002		2012		2012	
					Yes	No	Yes	No	Yes	No	Yes	No
14	Were the bonds issued as part of a current refunding issue of tax-exempt bonds (or, if issued prior to 2018, a current refunding issue)?					X		X		X		X
15	Were the bonds issued as part of an advance refunding issue of taxable bonds (or, if issued prior to 2018, an advance refunding issue)?						X	X		X	X	
16	Has the final allocation of proceeds been made?					X		X	X		X	
17	Does the organization maintain adequate books and records to support the final allocation of proceeds?					X		X	X		X	

Part III Private Business Use

					A		B		C		D	
					Yes	No	Yes	No	Yes	No	Yes	No
1	Was the organization a partner in a partnership, or a member of an LLC, which owned property financed by tax-exempt bonds?									X		X
2	Are there any lease arrangements that may result in private business use of bond-financed property?									X		X

Part III

Private Business Use (Continued)

		A		B		C		D	
		Yes	No	Yes	No	Yes	No	Yes	No
3a	Are there any management or service contracts that may result in private business use of bond-financed property?					X		X	
b	If "Yes" to line 3a, does the organization routinely engage bond counsel or other outside counsel to review any management or service contracts relating to the financed property?					X		X	
c	Are there any research agreements that may result in private business use of bond-financed property?					X		X	
d	If "Yes" to line 3c, does the organization routinely engage bond counsel or other outside counsel to review any research agreements relating to the financed property?					X		X	
4	Enter the percentage of financed property used in a private business use by entities other than a section 501(c)(3) organization or a state or local government ▶	0 %		0 %		0.534 %		0.534 %	
5	Enter the percentage of financed property used in a private business use as a result of unrelated trade or business activity carried on by your organization, another section 501(c)(3) organization, or a state or local government ▶					0.005 %		0.005 %	
6	Total of lines 4 and 5					0.529 %		0.529 %	
7	Does the bond issue meet the private security or payment test? . . .						X		X
8a	Has there been a sale or disposition of any of the bond-financed property to a nongovernmental person other than a 501(c)(3) organization since the bonds were issued?						X		X
b	If "Yes" to line 8a, enter the percentage of bond-financed property sold or disposed of. . .								
c	If "Yes" to line 8a, was any remedial action taken pursuant to Regulations sections 1.141-12 and 1.145-2?						X		X
9	Has the organization established written procedures to ensure that all nonqualified bonds of the issue are remediated in accordance with the requirements under Regulations sections 1.141-12 and 1.145-2?					X		X	

Part IV

Arbitrage

		A		B		C		D	
		Yes	No	Yes	No	Yes	No	Yes	No
1	Has the issuer filed Form 8038-T, Arbitrage Rebate, Yield Reduction and Penalty in Lieu of Arbitrage Rebate? . . .		X		X		X		X
2	If "No" to line 1, did the following apply? . . .								
a	Rebate not due yet?					X		X	
b	Exception to rebate?	X		X					
c	No rebate due?								
	If "Yes" to line 2c, provide in Part VI the date the rebate computation was performed								
3	Is the bond issue a variable rate issue?	X		X			X		X
4a	Has the organization or the governmental issuer entered into a qualified hedge with respect to the bond issue?		X		X		X		X
b	Name of provider	0		0		0		0	
c	Term of hedge								
d	Was the hedge superintegrated?								
e	Was the hedge terminated?								

Part IV Arbitrage (Continued)

	A		B		C		D	
	Yes	No	Yes	No	Yes	No	Yes	No
5a Were gross proceeds invested in a guaranteed investment contract (GIC)?		X		X		X		X
b Name of provider	0		0		0		0	
c Term of GIC								
d Was the regulatory safe harbor for establishing the fair market value of the GIC satisfied?								
6 Were any gross proceeds invested beyond an available temporary period?		X		X		X		X
7 Has the organization established written procedures to monitor the requirements of section 148? . . .	X		X		X		X	

Part V Procedures To Undertake Corrective Action

	A		B		C		D	
	Yes	No	Yes	No	Yes	No	Yes	No
Has the organization established written procedures to ensure that violations of federal tax requirements are timely identified and corrected through the voluntary closing agreement program if self-remediation is not available under applicable regulations?	X		X		X		X	

Part VI Supplemental Information. Provide additional information for responses to questions on Schedule K. (See instructions).

Return Reference	Explanation
SCHEDULE K, PART II, LINE 3, COLUMNS A AND B	Part II, Line 3 amount reflects the total proceeds from the original bond issues, while the issue price in Part I reflects the reissued amount per the Form 8038.
SCHEDULE K, PART III, LINE 3A, COLUMNS C AND D	NAS HAS ENTERED INTO A MANAGEMENT OR SERVICE CONTRACT, WHICH NAS BELIEVES SATISFIES THE SAFE HARBOR STANDARDS UNDER REV. PROC. 97-13.
SCHEDULE K, PART III, LINE 3C, COLUMNS C AND D	THE NAS HAS ENTERED INTO RESEARCH AGREEMENTS, WHICH NAS BELIEVES SATISFIES THE SAFE HARBOR STANDARDS UNDER REV. PROC. 2007-47.
SCHEDULE K, PART IV, LINE 2B, COLUMN A	THE REBATE COMPUTATION WAS PERFORMED ON DECEMBER 3, 2012.
SCHEDULE K, PART IV, LINE 2B, COLUMN B	THE REBATE COMPUTATION WAS PERFORMED ON DECEMBER 3, 2012.
SCHEDULE K, PART IV, LINE 2A, COLUMN C	THE REBATE COMPUTATION WAS PERFORMED ON MAY 1, 2019. AN ADDITIONAL REBATE COMPUTATION WAS PERFORMED ON MAY 1, 2020.

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Schedule L
(Form 990 or 990-EZ)

Department of the Treasury
Internal Revenue Service

Transactions with Interested Persons

▶ Complete if the organization answered "Yes" on Form 990, Part IV, lines 25a, 25b, 26, 27, 28a, 28b, or 28c, or Form 990-EZ, Part V, line 38a or 40b.
▶ Attach to Form 990 or Form 990-EZ.
▶ Go to www.irs.gov/Form990 for instructions and the latest information.

OMB No. 1545-0047

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Open to Public Inspection

Name of the organization
National Academy of Sciences

Employer identification number
53-0196932

Part I Excess Benefit Transactions (section 501(c)(3), section 501(c)(4), and section 501(c)(29) organizations only).
Complete if the organization answered "Yes" on Form 990, Part IV, line 25a or 25b, or Form 990-EZ, Part V, line 40b.

1	(a) Name of disqualified person	(b) Relationship between disqualified person and organization	(c) Description of transaction	(d) Corrected?	
				Yes	No

2 Enter the amount of tax incurred by the organization managers or disqualified persons during the year under section 4958. _____

3 Enter the amount of tax, if any, on line 2, above, reimbursed by the organization ▶ . \$. ▶ _____

Part II Loans to and/or From Interested Persons.
Complete if the organization answered "Yes" on Form 990-EZ, Part V, line 38a, or Form 990, Part IV, line 26; or if the organization reported an amount on Form 990, Part X, line 5, 6, or 22

(a) Name of interested person	(b) Relationship with organization	(c) Purpose of loan	(d) Loan to or from the organization?		(e) Original principal amount	(f) Balance due	(g) In default?		(h) Approved by board or committee?		(i) Written agreement?	
			To	From			Yes	No	Yes	No	Yes	No
(1) C Dan Mote Jr	President - NAE	PURCHASE RESIDENCE		X	1,500,000	866,063		No	Yes		Yes	
Total						▶ \$ 866,063						

Part III Grants or Assistance Benefiting Interested Persons.
Complete if the organization answered "Yes" on Form 990, Part IV, line 27.

(a) Name of interested person	(b) Relationship between interested person and the organization	(c) Amount of assistance	(d) Type of assistance	(e) Purpose of assistance

Part IV Business Transactions Involving Interested Persons.

Complete if the organization answered "Yes" on Form 990, Part IV, line 28a, 28b, or 28c.

(a) Name of interested person	(b) Relationship between interested person and the organization	(c) Amount of transaction	(d) Description of transaction	(e) Sharing of organization's revenues?	
				Yes	No

Part V Supplemental Information

Provide additional information for responses to questions on Schedule L (see instructions).

Return Reference	Explanation
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Additional Data

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SCHEDULE M
(Form 990)

Noncash Contributions

OMB No. 1545-0047

2019

Open to Public Inspection

►Complete if the organizations answered "Yes" on Form 990, Part IV, lines 29 or 30.

►Attach to Form 990.

►Go to www.irs.gov/Form990 for the latest information.

Department of the Treasury
Internal Revenue Service

Name of the organization
National Academy of Sciences

Employer identification number
53-0196932

Part I

Types of Property

	(a) Check if applicable	(b) Number of contributions or items contributed	(c) Noncash contribution amounts reported on Form 990, Part VIII, line 1g	(d) Method of determining noncash contribution amounts
1 Art—Works of art				
2 Art—Historical treasures				
3 Art—Fractional interests				
4 Books and publications				
5 Clothing and household goods				
6 Cars and other vehicles				
7 Boats and planes				
8 Intellectual property				
9 Securities—Publicly traded	X	15	2,686,017	Sale Price
10 Securities—Closely held stock				
11 Securities—Partnership, LLC, or trust interests				
12 Securities—Miscellaneous				
13 Qualified conservation contribution—Historic structures				
14 Qualified conservation contribution—Other				
15 Real estate—Residential				
16 Real estate—Commercial				
17 Real estate—Other				
18 Collectibles				
19 Food inventory				
20 Drugs and medical supplies				
21 Taxidermy				
22 Historical artifacts				
23 Scientific specimens				
24 Archeological artifacts				
25 Other ► ()				
26 Other ► ()				
27 Other ► ()				
28 Other ► ()				

29 Number of Forms 8283 received by the organization during the tax year for contributions for which the organization completed Form 8283, Part IV, Donee Acknowledgement

29

30a During the year, did the organization receive by contribution any property reported in Part I, lines 1 through 28, that it must hold for at least three years from the date of the initial contribution, and which isn't required to be used for exempt purposes for the entire holding period?

Yes

No

b If "Yes," describe the arrangement in Part II.

31 Does the organization have a gift acceptance policy that requires the review of any nonstandard contributions?

Yes

No

32a Does the organization hire or use third parties or related organizations to solicit, process, or sell noncash contributions?

Yes

No

b If "Yes," describe in Part II.

33 If the organization didn't report an amount in column (c) for a type of property for which column (a) is checked, describe in Part II.

For Paperwork Reduction Act Notice, see the Instructions for Form 990.

Cat. No. 51227J

Schedule M (Form 990) (2019)

Part II **Supplemental Information.** Provide the information required by Part I, lines 30b, 32b, and 33, and whether the organization is reporting in Part I, column (b), the number of contributions, the number of items received, or a combination of both. Also complete this part for any additional information.

Return Reference	Explanation
NUMBER OF CONTRIBUTIONS	SCHEDULE M, PART I, COLUMN (B) THE ORGANIZATION IS REPORTING THE NUMBER OF CONTRIBUTIONS IN COLUMN (B)

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SCHEDULE O
(Form 990 or 990-EZ)

Supplemental Information to Form 990 or 990-EZ

Complete to provide information for responses to specific questions on
Form 990 or 990-EZ or to provide any additional information.
▶ Attach to Form 990 or 990-EZ.
▶ Go to www.irs.gov/Form990 for the latest information.

OMB No. 1545-0047

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**Open to Public
Inspection**

Department of the Treasury
Name of the organization
National Academy of Sciences

Employer identification number
53-0196932

Return Reference	Explanation
PART-TIME OFFICERS' COMPENSATION	FORM 990, PART VI, LINE 1B FOR THE VICE PRESIDENT, TREASURER, FOREIGN SECRETARY AND HOME SECRETARY, TIME ESTIMATES ARE BASED ON A PERCENTAGE LEVEL OF EFFORT, WHICH RANGES BETWEEN 25% AND 50%. NAS REIMBURSES EACH PART-TIME OFFICER'S HOME INSTITUTION FOR THE APPLICABLE PERCENTAGE OF SALARY PAID BY THE HOME INSTITUTION. SIGNIFICANT CHANGES TO GOVERNING DOCUMENTS FORM 990, PART VI, LINE 4 The NAS Constitution was amended to change the name of the "Finance Committee" to the "Investment Committee." The amendment also included a change in the composition of the committee. The NAS Bylaws were amended to make the changes corresponding to the changes made in the Constitution and to change the responsibilities of the Treasurer relating to investments. The Bylaws were also amended to permit rescinding membership in the Academy for a violation of the NAS Code of Conduct and to modernize archaic language, change outdated procedures to conform with current practice, and remove gender-specific terms. MEMBERS OR STOCKHOLDERS FORM 990, PART VI, SECTION A, LINES 6, 7A, AND 7B THE ORGANIZATION IS A PRIVATE MEMBERSHIP ORGANIZATION. THE NAS CONSTITUTION PROVIDES THAT THE ACADEMY SHALL CONSIST OF MEMBERS, MEMBERS EMERITI AND FOREIGN ASSOCIATES. MEMBERS OF NAS ARE ELECTED BY THE MEMBERS IN RECOGNITION OF THEIR DISTINGUISHED AND CONTINUING ACHIEVEMENTS IN ORIGINAL RESEARCH. THE OFFICERS OF THE ACADEMY ARE CHOSEN FROM THE MEMBERSHIP, AND AMENDMENTS TO THE ORGANIZATION'S CONSTITUTION AND BYLAWS, AND ELECTION OF NEW MEMBERS, OFFICERS, AND COUNCIL MEMBERS REQUIRE A VOTE OF THE MEMBERS. THE OFFICERS OF THE ORGANIZATION, TOGETHER WITH TWELVE MEMBERS TO BE ELECTED, SHALL CONSTITUTE THE NATIONAL ACADEMY OF SCIENCES (NAS) COUNCIL FOR THE TRANSACTION OF SUCH BUSINESS AS MAY BE ASSIGNED TO IT BY THE CONSTITUTION, BYLAWS, OR THE MEMBERSHIP. THE NAS COUNCIL HAS GENERAL SUPERVISION OVER THE ELECTION OF THE OFFICERS OF THE ORGANIZATION, AND SHALL SET THE DATE FOR ELECTION AND APPOINTING NOMINATING COMMITTEES. THE NAS COUNCIL MAY DELEGATE ITS AUTHORITY TO APPROPRIATE OFFICIALS OF THE ORGANIZATION EXCEPT WITH RESPECT TO THOSE AUTHORITIES CONCERNING MEMBERSHIP AFFAIRS. FORM 990 REVIEW PROCESS FORM 990, PART VI, SECTION B, LINE 11 THE DRAFT 990 IS PREPARED BY THE OFFICE OF THE CHIEF FINANCIAL OFFICER. IT IS REVIEWED BY THE OFFICE OF GENERAL COUNSEL AND AN EXTERNAL TAX ADVISOR BEFORE BEING REVIEWED BY THE AUDITING COMMITTEE. THE FINAL FORM IS THEN PROVIDED TO THE NAS COUNCIL PRIOR TO FILING.
CONFLICT OF INTEREST POLICY MONITORING AND ENFORCEMENT	FORM 990, PART VI, SECTION B, LINES 12B AND 12C ANNUALLY, THE GENERAL COUNSEL LEADS A DISCUSSION AT A MEETING OF OFFICERS AND COUNCIL MEMBERS AT WHICH THE CONFLICT OF INTEREST POLICY IS REVIEWED. OFFICERS AND COUNCIL MEMBERS ARE ASKED TO SIGN A STATEMENT THAT THEY WILL ABIDE BY THE ORGANIZATION'S CONFLICT OF INTEREST POLICIES AND PROCEDURES. OFFICERS, COUNCIL MEMBERS, AND KEY EMPLOYEES ARE ASKED TO COMPLETE AN ANNUAL QUESTIONNAIRE REGARDING CERTAIN BUSINESS TRANSACTIONS THAT COULD POTENTIALLY RESULT IN A CONFLICT OF INTEREST.
PROCESS OF DETERMINING COMPENSATION	FORM 990, PART VI, SECTION B, LINE 15 COMPENSATION DECISIONS FOR ALL DISQUALIFIED PERSONS AS DEFINED IN IRC SECTION 4958 ARE MADE ANNUALLY BY AN EXECUTIVE COMPENSATION COMMITTEE COMPOSED OF INDEPENDENT MEMBERS ON THE BASIS OF EXECUTIVE COMPENSATION COMPATIBILITY DATA, INCLUDING A MARKET COMPENSATION SURVEY CONDUCTED BY THE OFFICE OF HUMAN RESOURCES THAT REVIEWS THE COMPENSATION OF THE HEADS OF THE LEADING UNIVERSITIES AND CHIEF EXECUTIVE OFFICERS OF SIMILAR ORGANIZATIONS. THERE IS A RECORD OF THE EXECUTIVE COMPENSATION COMMITTEE'S DELIBERATIONS AND DECISIONS. COMPENSATION DECISIONS ARE MADE ANNUALLY FOR OTHER KEY AND HIGH PAID EMPLOYEES BY SENIOR STAFF ON THE BASIS OF COMPARABILITY DATA.
FORM 990 REQUIRED TO BE FILED ALONG WITH STATES	FORM 990, PART VI, SECTION C, LINE 17 NAS FILES CHARITABLE SOLICITATION REGISTRATIONS WITH A 990 ATTACHED IN THE FOLLOWING STATES: AL, AR, CO, FL, GA, HI, KY, MD, MA, MI, MN, NH, NJ, NM, NY, ND, OH, OK, PA, RI, TN, UT, VA, WA, WV, AND WI.
HOW DOCUMENTS ARE MADE AVAILABLE TO THE PUBLIC	FORM 990, PART VI, SECTION C, LINE 19 NAS MAKES ITS GOVERNING DOCUMENTS, CONFLICT OF INTEREST POLICY, AND FINANCIAL STATEMENTS AVAILABLE TO THE PUBLIC UPON REQUEST. THE GOVERNING DOCUMENTS AND ANNUAL FINANCIAL STATEMENTS ARE ALSO AVAILABLE ON THE ORGANIZATION'S WEBSITE.
OTHER CHANGES IN NET ASSETS OR FUND BALANCES	FORM 990, PART XI, LINE 9 AMOUNT CONSISTS OF: UNREALIZED Loss ON DERIVATIVES \$(70,664) UNREALIZED Gain ON CHARITABLE GIFT ANNUITIES 180,467 ----- \$109,803

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SCHEDULE R
(Form 990)

Department of the Treasury
Internal Revenue Service

Name of the organization
National Academy of Sciences

Related Organizations and Unrelated Partnerships

▶ Complete if the organization answered "Yes" on Form 990, Part IV, line 33, 34, 35b, 36, or 37.
▶ Attach to Form 990.
▶ Go to www.irs.gov/Form990 for instructions and the latest information.

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2019

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Employer identification number

53-0196932

Part I

Identification of Disregarded Entities. Complete if the organization answered "Yes" on Form 990, Part IV, line 33.

(a) Name, address, and EIN (if applicable) of disregarded entity	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Total income	(e) End-of-year assets	(f) Direct controlling entity
(1) NAS Title Holding LLC 5635 Bent Branch Road Bethesda, MD 20816 53-0196932	Title Holding	MD	0	82,779,137	NAS

Part II

Identification of Related Tax-Exempt Organizations. Complete if the organization answered "Yes" on Form 990, Part IV, line 34 because it had one or more related tax-exempt organizations during the tax year.

(a) Name, address, and EIN of related organization	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Exempt Code section	(e) Public charity status (if section 501(c)(3))	(f) Direct controlling entity	(g) Section 512(b)(13) controlled entity?	
						Yes	No
(1)The National Academies Corporation 100 ACADEMY WAY Irvine, CA 92617 94-2994279	Sci. meetings	CA	501(c)(3)	12A	NAS	Yes	
(2)NAS Retiree Welfare Benefit Plan Trust 2101 CONSTITUTION AVENUE NW WASHINGTON, DC 20418 52-6976965	Emp. Benefits	DC	501(c)(3)	12A	NAS	Yes	
(3)National Academy of Engineering Fund 2101 CONSTITUTION AVENUE NW WASHINGTON, DC 20418 23-7284092	Sci. Support	DC	501(c)(3)	7	NA		No

Part III Identification of Related Organizations Taxable as a Partnership. Complete if the organization answered "Yes" on Form 990, Part IV, line 34, because it had one or more related organizations treated as a partnership during the tax year.

(a) Name, address, and EIN of related organization	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Direct controlling entity	(e) Predominant income(related, unrelated, excluded from tax under sections 512-514)	(f) Share of total income	(g) Share of end-of-year assets	(h) Disproprtionate allocations?		(i) Code V-UBI amount in box 20 of Schedule K-1 (Form 1065)	(j) General or managing partner?		(k) Percentage ownership
							Yes	No		Yes	No	

Part IV Identification of Related Organizations Taxable as a Corporation or Trust. Complete if the organization answered "Yes" on Form 990, Part IV, line 34 because it had one or more related organizations treated as a corporation or trust during the tax year.

(a) Name, address, and EIN of related organization	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Direct controlling entity	(e) Type of entity (C corp, S corp, or trust)	(f) Share of total income	(g) Share of end-of- year assets	(h) Percentage ownership	(i) Section 512(b) (13) controlled entity?	
								Yes	No

Part V

Transactions With Related Organizations. Complete if the organization answered "Yes" on Form 990, Part IV, line 34, 35b, or 36.

Note. Complete line 1 if any entity is listed in Parts II, III, or IV of this schedule.

1 During the tax year, did the organization engage in any of the following transactions with one or more related organizations listed in Parts II-IV?

a Receipt of (i) interest, (ii) annuities, (iii) royalties, or (iv) rent from a controlled entity

1a

No

b Gift, grant, or capital contribution to related organization(s)

1b

No

c Gift, grant, or capital contribution from related organization(s)

1c

Yes

d Loans or loan guarantees to or for related organization(s)

1d

No

e Loans or loan guarantees by related organization(s)

1e

No

f Dividends from related organization(s)

1f

No

g Sale of assets to related organization(s)

1g

No

h Purchase of assets from related organization(s)

1h

No

i Exchange of assets with related organization(s)

1i

No

j Lease of facilities, equipment, or other assets to related organization(s)

1j

No

k Lease of facilities, equipment, or other assets from related organization(s)

1k

No

l Performance of services or membership or fundraising solicitations for related organization(s)

1l

Yes

m Performance of services or membership or fundraising solicitations by related organization(s)

1m

No

n Sharing of facilities, equipment, mailing lists, or other assets with related organization(s)

1n

Yes

o Sharing of paid employees with related organization(s)

1o

Yes

p Reimbursement paid to related organization(s) for expenses

1p

No

q Reimbursement paid by related organization(s) for expenses

1q

Yes

r Other transfer of cash or property to related organization(s)

1r

Yes

s Other transfer of cash or property from related organization(s)

1s

No

2 If the answer to any of the above is "Yes," see the instructions for information on who must complete this line, including covered relationships and transaction thresholds.

(a) Name of related organization	(b) Transaction type (a-s)	(c) Amount involved	(d) Method of determining amount involved
(1)The National Academies Corporation	C	547,122	Cash
(2)The National Academies Corporation	Q	195,184	Cash
(3)Retiree Welfare Benefit Plan Trust	R	891,624	Cash
(4)Retiree Welfare Benefit Plan Trust	Q	1,154,432	Cash
(5)National Academy of Engineering Fund	C	7,306,007	Cash

Schedule R (Form 990) 2019

Part VI **Unrelated Organizations Taxable as a Partnership.** Complete if the organization answered "Yes" on Form 990, Part IV, line 37.

Provide the following information for each entity taxed as a partnership through which the organization conducted more than five percent of its activities (measured by total assets or gross revenue) that was not a related organization. See instructions regarding exclusion for certain investment partnerships.

[illegible]

Part VII **Supplemental Information**

Provide additional information for responses to questions on Schedule R. (see instructions).

Return Reference	Explanation
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Schedule R (Form 990) 2019

Additional Data

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