

Part III Statement of Program Service AccomplishmentsCheck if Schedule O contains a response or note to any line in this Part III ☒**1** Briefly describe the organization's mission:

See Schedule O

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 \$ 65,362,263 including grants of \$) (Revenue \$ 6,072,640)

See Additional Data

4b (Code:) (Expenses \$ 9,514,919 including grants of \$ 3,059,013) (Revenue \$)

See Additional Data

4c (Code:) (Expenses \$ including grants of \$) (Revenue \$)**4d** Other program services (Describe in Schedule O.)
(Expenses \$ including grants of \$) (Revenue \$)**4e Total program service expenses** ▶ 74,877,182

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 Yes	
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)? If "Yes," complete Schedule D, Part X	11f Yes	
12a 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 Yes	
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	No
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	No
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	No
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	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	

Part IV Checklist of Required Schedules (continued)

		Yes	No
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? <i>If "Yes," complete Schedule J</i>	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? <i>If "Yes," answer lines 24b through 24d and complete Schedule K. If "No," go to line 25a</i>	24a Yes	
b	Did the organization invest any proceeds of tax-exempt bonds beyond a temporary period exception?	24b Yes	
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? <i>If "Yes," complete Schedule L, Part I</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? <i>If "Yes," complete Schedule L, Part I</i>	25b	No
26	Did the organization report any amount on Part X, line 5, 6, or 22 for receivables from or payables to any current or former officers, directors, trustees, key employees, highest compensated employees, or disqualified persons? <i>If "Yes," complete Schedule L, Part II</i>	26 Yes	
27	Did the organization provide a grant or other assistance to an officer, director, trustee, key employee, substantial contributor or employee thereof, a grant selection committee member, or to a 35% controlled entity or family member of any of these persons? <i>If "Yes," complete Schedule L, Part III</i>	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, or key employee? <i>If "Yes," complete Schedule L, Part IV</i>	28a	No
b	A family member of a current or former officer, director, trustee, or key employee? <i>If "Yes," complete Schedule L, Part IV</i>	28b	No
c	An entity of which a current or former officer, director, trustee, or key employee (or a family member thereof) was an officer, director, trustee, or direct or indirect owner? <i>If "Yes," complete Schedule L, Part IV</i>	28c Yes	
29	Did the organization receive more than \$25,000 in non-cash contributions? <i>If "Yes," complete Schedule M</i>	29 Yes	
30	Did the organization receive contributions of art, historical treasures, or other similar assets, or qualified conservation contributions? <i>If "Yes," complete Schedule M</i>	30 Yes	
31	Did the organization liquidate, terminate, or dissolve and cease operations? <i>If "Yes," complete Schedule N, Part I</i>	31	No
32	Did the organization sell, exchange, dispose of, or transfer more than 25% of its net assets? <i>If "Yes," complete Schedule N, Part II</i>	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? <i>If "Yes," complete Schedule R, Part I</i>	33	No
34	Was the organization related to any tax-exempt or taxable entity? <i>If "Yes," complete Schedule R, Part II, III, or IV, and Part V, line 1</i>	34	No
35a	Did the organization have a controlled entity within the meaning of section 512(b)(13)?	35a	No
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)? <i>If "Yes," complete Schedule R, Part V, line 2</i>	35b	
36	Section 501(c)(3) organizations. Did the organization make any transfers to an exempt non-charitable related organization? <i>If "Yes," complete Schedule R, Part V, line 2</i>	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? <i>If "Yes," complete Schedule R, Part VI</i>	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 ComplianceCheck 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 384	
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	

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	509	2b	Yes	
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? If "No" to line 3b, provide an explanation in Schedule O				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	Yes	
b If "Yes," enter the name of the foreign country: ►CI 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		
9a 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?						
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? If "No," provide an explanation in Schedule O				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? If "Yes," see instructions and file Form 4720, Schedule N				15		No
16 Is the organization an educational institution 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 ☒

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	1a 20		
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.			
b Enter the number of voting members included in line 1a, above, who are independent	1b 20		
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		No
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		No
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		No
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		No
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 **CA, DC, MD**

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.
☒ Own website ☐ Another's website ☒ Upon request ☐ 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:
TIMOTHY DOYLE 1530 P ST NW Washington, DC 200051910 (202) 387-6400

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.

List persons in the following order: individual trustees or directors; institutional trustees; officers; key employees; highest compensated employees; and former such persons.

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

[illegible]

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			
See Additional Data Table										
1b Sub-Total										
c Total from continuation sheets to Part VII, Section A										
d Total (add lines 1b and 1c)								5,001,372	0	944,912

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 **▶** 130

	Yes	No
3 Did the organization list any former officer, director or trustee, key employee, or highest compensated employee on line 1a? <i>If "Yes," complete Schedule J for such individual</i>	3 Yes	
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? <i>If "Yes," complete Schedule J for such individual</i>	4 Yes	
5 Did any person listed on line 1a receive or accrue compensation from any unrelated organization or individual for services rendered to the organization? <i>If "Yes," complete Schedule J for such person</i>	5	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
CAMECA INSTRUMENTS INC, 5500 NOBEL DRIVE SUITE 100 MADISON, WI 53711	Lab equip servicing	490,784
FEI COMPANY, 5350 NE DAWSON CREEK DRIVE HILLSBORO, OR 97124	Lab equip servicing	400,396
EDLUND DECOSSE INTERNATIONAL INC, UNIT D2 46114 AIRPORT ROAD CHILLIWACK BC, 0 V2P1A5 CA	Flight fees	397,047
GILLUM STRATEGY PARTNERS, 455 N CITYFRONT PLAZA DRIVE Suite 3 CHICAGO, IL 60611	Planning consultants	312,800
SHORENSTEIN, 850 THIRD AVENUE 17TH FLOOR NEW YORK, NY 10022	INVESTMENT MGMT	308,267

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 **▶** 28

Part VIII Statement of RevenueCheck if Schedule O contains a response or note to any line in this Part VIII ☐**Contributions, Gifts, Grants and Other Similar Amounts**

		(A) Total revenue	(B) Related or exempt function revenue	(C) Unrelated business revenue	(D) Revenue excluded from tax under sections 512 - 514
1a Federated campaigns	1a				
b Membership dues	1b				
c Fundraising events	1c				
d Related organizations	1d				
e Government grants (contributions)	1e	15,419,854			
f All other contributions, gifts, grants, and similar amounts not included above	1f	7,987,013			
g Noncash contributions included in lines 1a - 1f:\$		525,346			
h Total. Add lines 1a-1f		23,406,867			

Program Service Revenue

	Business Code				
2a MAGELLAN TELESCOPE PROGRAM	541700	4,277,993	4,277,993	0	0
b GMT CHALLENGE PROGRAM	541700	782,221	782,221	0	0
c GEOCHEMICAL SOCIETY OFFICE	541700	307,176	307,176	0	0
d AUSTRALIAN ASTRONOMY PROGRAM	541700	200,000	200,000	0	0
e YONSEI ASTRONOMY PROGRAM	541700	40,249	40,249	0	0
f All other program service revenue		465,001	465,001	0	0
g Total. Add lines 2a-2f		6,072,640			

Other Revenue

3 Investment income (including dividends, interest, and other similar amounts)		9,534,188		-339,584	9,873,772
4 Income from investment of tax-exempt bond proceeds		0			
5 Royalties		3,835,495			3,835,495
6a Gross rents	(i) Real	(ii) Personal			
	1,036,808				
b Less: rental expenses	1,352,927				
c Rental income or (loss)	-316,119	0			
d Net rental income or (loss)		-316,119			-316,119
7a Gross amount from sales of assets other than inventory	(i) Securities	(ii) Other			
	343,272,444				
b Less: cost or other basis and sales expenses	248,557,788	300,347			
c Gain or (loss)	94,714,656	-300,347			
d Net gain or (loss)		94,414,309			94,414,309
8a Gross income from fundraising events (not including \$ of contributions reported on line 1c). See Part IV, line 18	a	0			
b Less: direct expenses	b	0			
c Net income or (loss) from fundraising events		0			
9a Gross income from gaming activities. See Part IV, line 19	a	0			
b Less: direct expenses	b	0			
c Net income or (loss) from gaming activities		0			
10a Gross sales of inventory, less returns and allowances	a	0			
b Less: cost of goods sold	b	0			
c Net income or (loss) from sales of inventory		0			
Miscellaneous Revenue	Business Code				
11a SECURITY LITIGATION INCOME	900099	10,724	0	0	10,724
b MOUNTAIN PRESENCE INCOME	900099	65,605	0	0	65,605
c REALIZED FX GAIN/LOSS	900099	-93,104	0	0	-93,104
d All other revenue		910,865	0	28,626	882,239
e Total. Add lines 11a-11d		894,090			
12 Total revenue. See Instructions.		137,841,470	6,072,640	-310,958	108,672,921

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	0	0		
2 Grants and other assistance to domestic individuals. See Part IV, line 22	3,059,013	3,059,013		
3 Grants and other assistance to foreign organizations, foreign governments, and foreign individuals. See Part IV, line 15 and 16.	0			
4 Benefits paid to or for members	0			
5 Compensation of current officers, directors, trustees, and key employees	3,758,370	844,818	2,318,141	595,411
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	31,859,039	27,704,082	3,050,062	1,104,895
8 Pension plan accruals and contributions (include section 401 (k) and 403(b) employer contributions)	6,878,627	5,896,366	670,771	311,490
9 Other employee benefits	6,794,064	5,781,142	697,616	315,306
10 Payroll taxes	2,408,084	1,934,166	341,606	132,312
11 Fees for services (non-employees):				
a Management	0			
b Legal	396,542		396,542	
c Accounting	306,666		306,666	
d Lobbying	0			
e Professional fundraising services. See Part IV, line 17	0			
f Investment management fees	3,923,472		3,923,472	
g Other (If line 11g amount exceeds 10% of line 25, column (A) amount, list line 11g expenses on Schedule O)	1,471,953	259,542	1,190,516	21,895
12 Advertising and promotion	0			
13 Office expenses	1,449,134	862,829	458,326	127,979
14 Information technology	1,476,118	954,622	521,496	
15 Royalties	0			
16 Occupancy	3,330,244	3,002,050	305,231	22,963
17 Travel	2,503,553	1,922,807	398,417	182,329
18 Payments of travel or entertainment expenses for any federal, state, or local public officials	0			
19 Conferences, conventions, and meetings	883,494	501,039	248,293	134,162
20 Interest	4,740,755	3,075,727	1,665,028	
21 Payments to affiliates	0			
22 Depreciation, depletion, and amortization	9,971,195	9,338,172	613,220	19,803
23 Insurance	582,038	226,069	354,372	1,597
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 RESEARCH EDUCATION EXPENSE	5,525,676	5,471,049	50,589	4,038
b CONTRACT AND SUBAWARDS	3,371,848	3,235,747	41,143	94,958
c BOND ADMIN	67,042	0	67,042	0
d OTHER REPAIR AND MAINTENANCE	107,091	100,479	6,612	0
e All other expenses	1,256,023	707,463	507,701	40,859
25 Total functional expenses. Add lines 1 through 24e	96,120,041	74,877,182	18,132,862	3,109,997
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 SheetCheck if Schedule O contains a response or note to any line in this Part IX ☐

				(A) Beginning of year		(B) End of year	
Assets	1	Cash—non-interest-bearing		857	1	692	
	2	Savings and temporary cash investments		40,059,456	2	54,711,099	
	3	Pledges and grants receivable, net		7,895,075	3	6,042,579	
	4	Accounts receivable, net		598,493	4	486,886	
	5	Loans and other receivables from current and former officers, directors, trustees, key employees, and highest compensated employees. Complete Part II of Schedule L		468,058	5	381,616	
	6	Loans and other receivables from other disqualified persons (as defined under section 4958(f)(1)), persons described in section 4958(c)(3)(B), and contributing employers and sponsoring organizations of section 501(c)(9) voluntary employees' beneficiary organizations (see instructions) Complete Part II of Schedule L		0	6	0	
	7	Notes and loans receivable, net		991,327	7	970,261	
	8	Inventories for sale or use		0	8	0	
	9	Prepaid expenses and deferred charges		61,986,571	9	65,424,306	
	10a	Land, buildings, and equipment: cost or other basis. Complete Part VI of Schedule D	10a	279,061,173			
	b	Less: accumulated depreciation	10b	152,419,676	132,308,762	10c	126,641,497
	11	Investments—publicly traded securities		558,199,593	11	533,645,364	
	12	Investments—other securities. See Part IV, line 11		436,837,893	12	418,115,367	
	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		0	15	0	
16	Total assets. Add lines 1 through 15 (must equal line 34)		1,239,346,085	16	1,206,419,667		
Liabilities	17	Accounts payable and accrued expenses		10,057,260	17	9,725,247	
	18	Grants payable		0	18	0	
	19	Deferred revenue		27,503,640	19	26,827,591	
	20	Tax-exempt bond liabilities		65,105,000	20	65,105,000	
	21	Escrow or custodial account liability. Complete Part IV of Schedule D		0	21	0	
	22	Loans and other payables to current and former officers, directors, trustees, key employees, highest compensated employees, and disqualified persons. Complete Part II of Schedule L		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		3,575,557	24	2,272,798	
	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		74,281,433	25	77,720,561	
	26	Total liabilities. Add lines 17 through 25		180,522,890	26	181,651,197	
Net Assets or Fund Balances	Organizations that follow SFAS 117 (ASC 958), check here <input checked="" type="checkbox"/> and complete lines 27 through 29, and lines 33 and 34.						
	27	Unrestricted net assets		322,559,060	27	311,622,735	
	28	Temporarily restricted net assets		680,887,440	28	657,039,383	
	29	Permanently restricted net assets		55,376,695	29	56,106,352	
	Organizations that do not follow SFAS 117 (ASC 958), check here <input type="checkbox"/> and complete lines 30 through 34.						
	30	Capital stock or trust principal, or current funds			30		
	31	Paid-in or capital surplus, or land, building or equipment fund			31		
	32	Retained earnings, endowment, accumulated income, or other funds			32		
33	Total net assets or fund balances		1,058,823,195	33	1,024,768,470		
34	Total liabilities and net assets/fund balances		1,239,346,085	34	1,206,419,667		

Part XI Reconciliation of Net AssetsCheck 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	137,841,470
2	Total expenses (must equal Part IX, column (A), line 25)	2	96,120,041
3	Revenue less expenses. Subtract line 2 from line 1	3	41,721,429
4	Net assets or fund balances at beginning of year (must equal Part X, line 33, column (A))	4	1,058,823,195
5	Net unrealized gains (losses) on investments	5	-69,011,923
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	-6,764,231
10	Net assets or fund balances at end of year. Combine lines 3 through 9 (must equal Part X, line 33, column (B))	10	1,024,768,470

Part XII Financial Statements and ReportingCheck 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

Software ID:

Software Version:

EIN: 53-0196523

Name: Carnegie Institution of Washington

Form 990 (2018)

Form 990, Part III, Line 4a:

See Schedule O

Form 990, Part III, Line 4b:
See Schedule O
<hr/>

Form 990, Part VII - Compensation of Officers, Directors, Trustees, Key Employees, Highest Compensated Employees, and Independent Contractors										
(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			
Craig R Barrett Trustee/Chairman	6.0 0.0	X		X				0	0	0
David Thompson Trustee/Vice Chairman	6.0 0.0	X		X				0	0	0
Charles F Bolden Jr Trustee	2.0 0.0	X						0	0	0
John F Crawford Trustee	2.0 0.0	X						0	0	0
Michael A Duffy Trustee	4.0 0.0	X						0	0	0
Sandra M Faber Trustee	2.0 0.0	X						0	0	0
Bruce W Ferguson Trustee	2.0 0.0	X						0	0	0
Stephen P A Foder Trustee	2.0 0.0	X						0	0	0
William K Gayden TRUSTEE, END MAY 2019	2.0 0.0	X						0	0	0
Rush D Holt Jr Trustee	2.0 0.0	X						0	0	0

Form 990, Part VII - Compensation of Officers, Directors, Trustees, Key Employees, Highest Compensated Employees, and Independent Contractors

(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			
Walter Isaacson TRUSTEE, END MAY 2019	2.0 0.0	X						0	0	0
Susanne Nora Johnson Trustee	2.0 0.0	X						0	0	0
Mary C King TRUSTEE, END NOVEMBER 2019	2.0 0.0	X						0	0	0
Katherine Lapp Trustee	4.0 0.0	X						0	0	0
Michael Long Trustee	4.0 0.0	X						0	0	0
Mary E Maxon Trustee	2.0 0.0	X						0	0	0
Christine M McCarthy Trustee	2.0 0.0	X						0	0	0
Richard Meserve TRUSTEE, END MAY 2019	2.0 0.0	X						0	0	0
Ray Rothrock Trustee	2.0 0.0	X						0	0	0
Cristian Samper Trustee	4.0 0.0	X						0	0	0

Form 990, Part VII - Compensation of Officers, Directors, Trustees, Key Employees, Highest Compensated Employees, and Independent Contractors										
(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			
Christopher TS Stone Trustee	4.0 0.0	X						0	0	0
Marshall Wais Trustee	4.0 0.0	X						0	0	0
Michael Wilson Trustee	2.0 0.0	X						0	0	0
Eric D Isaacs President	40.0 0.0			X				441,297	0	74,471
Timothy P Doyle Chief Operating Officer	40.0 0.0			X				410,161	0	76,564
Benjamin Aderson General Counsel	40.0 0.0			X				262,952	0	40,865
John S Mulchaey Division Director	40.0 0.0				X			345,664	0	53,514
Yixian Zheng Department Director	40.0 0.0				X			345,529	0	46,117
Richard W Carlson Division Director	40.0 0.0				X			270,276	0	63,620
Zhiyong Wang Acting Director & Snr Stf Sci	40.0 0.0				X			224,136	0	46,944

Form 990, Part VII - Compensation of Officers, Directors, Trustees, Key Employees, Highest Compensated Employees, and Independent Contractors										
(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			
Michael Walter Division Director	40.0 0.0				X			189,503	0	40,853
Ann McElwain Chief Development Officer	40.0 0.0					X		287,186	0	66,193
Patrick McCarthy GMTO Director	40.0 0.0					X		295,595	0	66,305
Nicholas Konidaris Scientific Staff Member	40.0 0.0					X		289,822	0	45,810
Michael Stambaugh Chief Investment Officer	40.0 0.0					X		710,790	0	70,040
Kenneth G Caldeira Senior Staff Scientist	40.0 0.0					X		243,939	0	70,116
Seung Yon Rhee Department Director	40.0 0.0						X	237,474	0	49,252
George Cody Department Director	40.0 0.0						X	224,869	0	70,679
Joseph Berry Department Director	40.0 0.0						X	222,179	0	63,569

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 the latest information.

OMB No. 1545-0047

2018

Open to Public Inspection

Name of the organization
Carnegie Institution of Washington

Employer identification number
53-0196523

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 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 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), 170(b)(1)(A)(vi), and 170(b)(1)(A)(ix)

(Complete only if you checked the box on line 5, 7, 8, or 9 of Part I or if the organization failed to qualify under Part III. If the organization fails to qualify under the tests listed below, please complete Part III.)

Section A. Public Support							
	Calendar year (or fiscal year beginning in) ►	(a) 2014	(b) 2015	(c) 2016	(d) 2017	(e) 2018	(f) Total
1	Gifts, grants, contributions, and membership fees received. (Do not include any "unusual grant.") . .	42,588,136	37,111,828	33,826,174	29,281,249	23,406,867	166,214,254
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	42,588,136	37,111,828	33,826,174	29,281,249	23,406,867	166,214,254
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). .						3,172,640
6	Public support. Subtract line 5 from line 4.						163,041,614

Section B. Total Support							
Calendar year (or fiscal year beginning in) ►		(a)2014	(b)2015	(c)2016	(d)2017	(e)2018	(f)Total
7	Amounts from line 4. . .	42,588,136	37,111,828	33,826,174	29,281,249	23,406,867	166,214,254
8	Gross income from interest, dividends, payments received on securities loans, rents, royalties and income from similar sources	6,473,664	7,905,000	13,209,139	12,766,124	14,746,075	55,100,002
9	Net income from unrelated business activities, whether or not the business is regularly carried on . . .						0
10	Other income. Do not include gain or loss from the sale of capital assets (Explain in Part VI.). . .	10,935,413	481,569	-256,253	-189,696	865,464	11,836,497
11	Total support. Add lines 7 through 10						233,150,753
12	Gross receipts from related activities, etc. (see instructions)					12	36,249,831
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 <input type="checkbox"/>						

Section C. Computation of Public Support Percentage		
14	Public support percentage for 2018 (line 6, column (f) divided by line 11, column (f))	14 69.930 %
15	Public support percentage for 2017 Schedule A, Part II, line 14	15 0 %
16a	33 1/3% support test—2018. 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—2017. 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—2018. 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—2017. 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 III Support 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) 2014	(b) 2015	(c) 2016	(d) 2017	(e) 2018	(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) 2014	(b) 2015	(c) 2016	(d) 2017	(e) 2018	(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. <input type="checkbox"/>						

Section C. Computation of Public Support Percentage

15 Public support percentage for 2018 (line 8, column (f) divided by line 13, column (f))	15	
16 Public support percentage from 2017 Schedule A, Part III, line 15	16	

Section D. Computation of Investment Income Percentage

17 Investment income percentage for 2018 (line 10c, column (f) divided by line 13, column (f))	17	
18 Investment income percentage from 2017 Schedule A, Part III, line 17	18	

19a 33 1/3% support tests—2018. 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—2017. 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? <i>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.</i>		
1		
2 Did the organization have any supported organization that does not have an IRS determination of status under section 509(a)(1) or (2)? <i>If "Yes," explain in Part VI how the organization determined that the supported organization was described in section 509(a)(1) or (2).</i>		
2		
3a Did the organization have a supported organization described in section 501(c)(4), (5), or (6)? <i>If "Yes," answer (b) and (c) below.</i>		
3a		
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)? <i>If "Yes," describe in Part VI when and how the organization made the determination.</i>		
3b		
c Did the organization ensure that all support to such organizations was used exclusively for section 170(c)(2)(B) purposes? <i>If "Yes," explain in Part VI what controls the organization put in place to ensure such use.</i>		
3c		
4a Was any supported organization not organized in the United States ("foreign supported organization")? <i>If "Yes" and if you checked 12a or 12b in Part I, answer (b) and (c) below.</i>		
4a		
b Did the organization have ultimate control and discretion in deciding whether to make grants to the foreign supported organization? <i>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.</i>		
4b		
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)? <i>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.</i>		
4c		
5a Did the organization add, substitute, or remove any supported organizations during the tax year? <i>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).</i>		
5a		
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?		
5b		
c Substitutions only. Was the substitution the result of an event beyond the organization's control?		
5c		
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? <i>If "Yes," provide detail in Part VI.</i>		
6		
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? <i>If "Yes," complete Part I of Schedule L (Form 990 or 990-EZ) .</i>		
7		
8 Did the organization make a loan to a disqualified person (as defined in section 4958) not described in line 7? <i>If "Yes," complete Part I of Schedule L (Form 990 or 990-EZ).</i>		
8		
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))? <i>If "Yes," provide detail in Part VI.</i>		
9a		
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? <i>If "Yes," provide detail in Part VI.</i>		
9b		
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? <i>If "Yes," provide detail in Part VI.</i>		
9c		
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)? <i>If "Yes," answer line 10b below.</i>		
10a		
b Did the organization have any excess business holdings in the tax year? <i>(Use Schedule C, Form 4720, to determine whether the organization had excess business holdings).</i>		
10b		

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? If "Yes" to a, b, or c, provide detail in Part VI.		

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? 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.		
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? 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.		

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)? 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).		

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? If "No," explain in Part VI how the organization maintained a close and continuous working relationship with the supported organization(s).		
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? If "Yes," describe in Part VI the role the organization's supported organizations played in this regard.		

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.	Yes	No
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? 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.		
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? 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.		
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? Provide details in Part VI.		
b Did the organization exercise a substantial degree of direction over the policies, programs and activities of each of its supported organizations? If "Yes," describe in Part VI. the role played by the organization in this regard.		

Part V Type III Non-Functionally Integrated 509(a)(3) Supporting Organizations			
<div>1</div> <div><input type="checkbox"/></div> <div>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.</div>			
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	<div><input type="checkbox"/></div> 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 2018 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-2018	(iii) Distributable Amount for 2018
1 Distributable amount for 2018 from Section C, line 6			
2 Underdistributions, if any, for years prior to 2018 (reasonable cause required-- explain in Part VI). See instructions.			
3 Excess distributions carryover, if any, to 2018:			
a From 2013.			
b From 2014.			
c From 2015.			
d From 2016.			
e From 2017.			
f Total of lines 3a through e			
g Applied to underdistributions of prior years			
h Applied to 2018 distributable amount			
i Carryover from 2013 not applied (see instructions)			
j Remainder. Subtract lines 3g, 3h, and 3i from 3f.			
4 Distributions for 2018 from Section D, line 7:			
\$			
a Applied to underdistributions of prior years			
b Applied to 2018 distributable amount			
c Remainder. Subtract lines 4a and 4b from 4.			
5 Remaining underdistributions for years prior to 2018, 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 2018. 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 2019. Add lines 3j and 4c.			
8 Breakdown of line 7:			
a Excess from 2014.			
b Excess from 2015.			
c Excess from 2016.			
d Excess from 2017.			
e Excess from 2018.			

Additional Data

Software ID:
Software Version:
EIN: 53-0196523
Name: Carnegie Institution of Washington

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

SCHEDULE D
(Form 990)

Department of the Treasury
Internal Revenue Service

Supplemental Financial Statements

► 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 the latest information.

OMB No. 1545-0047

2018

Open to Public Inspection

Name of the organization
Carnegie Institution of Washington

Employer identification number
53-0196523

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 ► \$ 93,415

(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:

c

Beginning balance

d

Additions during the year

e

Distributions during the year

f

Ending balance

	Amount
1c	
1d	
1e	
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	830,826,623	797,500,206	744,153,617	819,540,019	809,951,370
b Contributions	817,971	211,703	16,599	130,750	148,221
c Net investment earnings, gains, and losses	26,582,367	82,643,613	103,067,040	-29,062,673	50,809,234
d Grants or scholarships	1,500,019	2,291,722	3,168,223	3,026,553	2,429,969
e Other expenditures for facilities and programs	45,057,727	44,963,820	42,901,696	41,059,613	34,184,148
f Administrative expenses	1,992,764	2,273,357	3,667,131	2,368,313	4,754,689
g End of year balance	809,676,451	830,826,623	797,500,206	744,153,617	819,540,019

2

Provide the estimated percentage of the current year end balance (line 1g, column (a)) held as:

a

Board designated or quasi-endowment

16.340 %

b

Permanent endowment

6.669 %

c

Temporarily restricted endowment

76.991 %

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

3a(i)

Yes

No

(ii) related organizations

3a(ii)

No

b

If "Yes" on 3a(ii), are the related organizations listed as required on Schedule R?

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		817,117		817,117
b Buildings		96,347,592		96,347,592
c Leasehold improvements				
d Equipment		179,768,367	152,419,676	27,348,691
e Other		2,128,097		2,128,097
Total. Add lines 1a through 1e.(Column (d) must equal Form 990, Part X, column (B), line 10(c).)				126,641,497

Schedule D (Form 990) 2018

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	413,696	C
(3) Other _____		
(A) ALTERNATIVE INVESTMENTS	223,967,045	F
(B) REAL ASSET/NATURAL RESOURCES	193,734,626	F
(C)		
(D)		
(E)		
(F)		
(G)		
(H)		
Total. (Column (b) must equal Form 990, Part X, col. (B) line 12.) ▶	418,115,367	

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
(1)		
(2)		
(3)		
(4)		
(5)		
(6)		
(7)		
(8)		
(9)		
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
(1)	
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
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.

(a) Description of liability	(b) Book value	
1. Federal income taxes	0	
TAXABLE BOND PAYABLE	50,000,000	
ACCRUED POSTRETIREMENT BENEFIT COST	27,720,561	
(3)		
(4)		
(5)		
(6)		
(7)		
(8)		
(9)		
Total. (Column (b) must equal Form 990, Part X, col.(B) line 25.) ▶	77,720,561	

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	59,493,710
2	Amounts included on line 1 but not on Form 990, Part VIII, line 12:		
a	Net unrealized gains (losses) on investments	2a	-69,011,923
b	Donated services and use of facilities	2b	
c	Recoveries of prior year grants	2c	
d	Other (Describe in Part XIII.)	2d	-6,765,292
e	Add lines 2a through 2d	2e	-75,777,215
3	Subtract line 2e from line 1	3	135,270,925
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	3,923,472
b	Other (Describe in Part XIII.)	4b	-1,352,927
c	Add lines 4a and 4b	4c	2,570,545
5	Total revenue. Add lines 3 and 4c . (This must equal Form 990, Part I, line 12.)	5	137,841,470

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	93,548,435
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	-1,061
e	Add lines 2a through 2d	2e	-1,061
3	Subtract line 2e from line 1	3	93,549,496
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	3,923,472
b	Other (Describe in Part XIII.)	4b	-1,352,927
c	Add lines 4a and 4b	4c	2,570,545
5	Total expenses. Add lines 3 and 4c . (This must equal Form 990, Part I, line 18.)	5	96,120,041

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
See Additional Data Table	

Part XIII Supplemental Information *(continued)*

Return Reference	Explanation

Additional Data

Software ID:
Software Version:
EIN: 53-0196523
Name: Carnegie Institution of Washington

Supplemental Information

Return Reference	Explanation
ORGANIZATION'S COLLECTIONS	SCHEDULE D, PART III, LINE 4 THE COLLECTION OF THE CARNEGIE INSTITUTION OF WASHINGTON IS P REDOMINANTLY COMPOSED OF HISTORICAL ARTIFACTS RELATED TO ITS WORK IN SCIENTIFIC RESEARCH. THIS INCLUDES SCIENTIFIC SAMPLES, MATERIALS, DEVICES AND INSTRUMENTATION, AND PRINTED PUBL ICATIONS. THE COLLECTION IS USED FOR SCHOLARLY REFERENCE AND STUDY OF THE INSTITUTION'S PA ST SCIENTIFIC DISCOVERIES AS WELL AS FOR EDUCATION OF THE GENERAL PUBLIC. INTENDED USE OF ENDOWMENT FUNDS SCHEDULE D, PART V, LINE 4 THE ORGANIZATION'S ENDOWMENT FUNDS ARE INTENDED TO SUPPORT ITS OVERALL MISSION OF SUPPORTING SCIENTIFIC DISCOVERY "IN THE BROADEST AND MO ST LIBERAL MANNER."

Supplemental Information

Return Reference	Explanation
FIN 48 FOOTNOTE	SCHEDULE D, PART X, LINE 2 THE CARNEGIE INSTITUTION OF WASHINGTON (CARNEGIE) HAS BEEN RECOGNIZED BY THE INTERNAL REVENUE SERVICE AS EXEMPT FROM FEDERAL INCOME TAX UNDER SECTION 501(C)(3) OF THE INTERNAL REVENUE CODE (THE CODE) EXCEPT FOR AMOUNTS FROM UNRELATED BUSINESS INCOME. CARNEGIE IS ALSO AN EDUCATIONAL INSTITUTION WITHIN THE MEANING OF SECTION 170(B)(1)(A)(II) OF THE CODE. THE INTERNAL REVENUE SERVICE HAS CLASSIFIED CARNEGIE AS OTHER THAN A PRIVATE FOUNDATION, AS DEFINED IN SECTION 509(A) OF THE CODE. CARNEGIE HAS ANALYZED THE TAX POSITIONS TAKEN AND HAS CONCLUDED THAT AS OF JUNE 30, 2019 AND 2018, THERE ARE NO UNCERTAIN TAX POSITIONS TAKEN OR EXPECTED TO BE TAKEN THAT WOULD REQUIRE RECOGNITION OF DISCLOSURE IN THE FINANCIAL STATEMENTS.

Supplemental Information

Return Reference	Explanation
RECONCILIATION OF REVENUE BETWEEN AFS & FORM 990	SCHEDULE D, PART XI, LINE 2D UNREALIZED SWAP GAIN/(LOSS) \$1,033,807 PENSION-RELATED CHANGE S (\$2,611,408) GRANT MODIFICATION (\$5,187,691) ----- TOTAL (\$6,765,292) SCHEDULE D, PART XI, LINE 4B RENTAL EXPENSES (\$1,352,927) ----- TOTAL (\$1,352,927)

Supplemental Information	
Return Reference	Explanation
RECONCILIATION OF EXPENSES BETWEEN AFS & FORM 990	SCHEDULE D, PART XII, LINE 2D UNREALIZED FX (GAIN)/LOSS (\$1,061) ----- TOTAL (\$1,061) SCHEDULE D, PART XII, LINE 4B RENTAL EXPENSES (\$1,352,927) ----- TOTAL (\$1,352,927)

SCHEDULE E
(Form 990 or 990-EZ)

Department of the Treasury
Name of the organization
Carnegie Institution of Washington

Schools

► Complete if the organization answered "Yes" on Form 990, Part IV, line 13, or Form 990-EZ, Part VI, line 48.
► Attach to Form 990 or Form 990-EZ.
► Go to www.irs.gov/Form990EZ for the latest instructions.

OMB No. 1545-0047

2018

Open to Public Inspection

Employer identification number
53-0196523

Part I

	YES	NO
1 Does the organization have a racially nondiscriminatory policy toward students by statement in its charter, bylaws, other governing instrument, or in a resolution of its governing body?	1 Yes	
2 Does the organization include a statement of its racially nondiscriminatory policy toward students in all its brochures, catalogues, and other written communications with the public dealing with student admissions, programs, and scholarships?	2 Yes	
3 Has the organization publicized its racially nondiscriminatory policy through newspaper or broadcast media during the period of solicitation for students, or during the registration period if it has no solicitation program, in a way that makes the policy known to all parts of the general community it serves? If "Yes," please describe. If "No," please explain. If you need more space use Part II.	3 Yes	
4 Does the organization maintain the following?		
a Records indicating the racial composition of the student body, faculty, and administrative staff?	4a Yes	
b Records documenting that scholarships and other financial assistance are awarded on a racially nondiscriminatory basis?	4b Yes	
c Copies of all catalogues, brochures, announcements, and other written communications to the public dealing with student admissions, programs, and scholarships?	4c Yes	
d Copies of all material used by the organization or on its behalf to solicit contributions? If you answered "No" to any of the above, please explain. If you need more space, use Part II.	4d Yes	
5 Does the organization discriminate by race in any way with respect to:		
a Students' rights or privileges?	5a	No
b Admissions policies?	5b	No
c Employment of faculty or administrative staff?	5c	No
d Scholarships or other financial assistance?	5d	No
e Educational policies?	5e	No
f Use of facilities?	5f	No
g Athletic programs?	5g	No
h Other extracurricular activities? If you answered "Yes" to any of the above, please explain. If you need more space, use Part II.	5h	No
6a Does the organization receive any financial aid or assistance from a governmental agency?	6a Yes	
b Has the organization's right to such aid ever been revoked or suspended? If you answered "Yes" to either line 6a or line 6b, explain on Part II.	6b	No
7 Does the organization certify that it has complied with the applicable requirements of sections 4.01 through 4.05 of Rev. Proc. 75-50, 1975-2 C.B. 587, covering racial nondiscrimination? If "No," explain on Part II.	7 Yes	

Part II Supplemental Information. Provide the explanations required by Part I, lines 3, 4d, 5h, 6b, and 7, as applicable. Also provide any other additional information (see instructions).

Return Reference	Explanation
NONDISCRIMINATORY POLICY	SCHEDULE E, PART I, LINE 3 OUR NON-DISCRIMINATION POLICY IS AVAILABLE ON OUR WEBSITE, WWW.CARNEGIESCIENCE.EDU, UNDER ANTI-DISCRIMINATION POLICY.
EXPLANATION OF GOVERNMENT FINANCIAL AID	SCHEDULE E, PART I, LINE 6A WE RECEIVE GRANTS AND PASS THROUGH FUNDS FROM SEVERAL FEDERAL AGENCIES INCLUDING THE NATIONAL SCIENCE FOUNDATION (NSF), THE UNITED STATES DEPARTMENT OF ENERGY (DOE), THE UNITED STATES DEPARTMENT OF HOMELAND SECURITY (DHS), THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA), THE UNITED STATES DEPARTMENT OF AGRICULTURE (USDA), THE OFFICE OF NAVAL RESEARCH (ONR), THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY (NIST), AND OTHERS. THESE MONIES SUPPORT OUR SCIENTIFIC RESEARCH AND EDUCATION.

SCHEDULE F
(Form 990)

Department of the Treasury
Internal Revenue Service

Name of the organization
Carnegie Institution of Washington

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

2018

Open to Public Inspection

Employer identification number
53-0196523

Part I

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

- 1 For grantmakers. Does the organization maintain records to substantiate the amount of its grants and 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 region	(d) Activities conducted in region (by type) (e.g., 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 region	(f) Total expenditures for and investments in region
See Add'l Data					
3a Sub-total					535,409
b Total from continuation sheets to Part I					372,290,420
c Totals (add lines 3a and 3b)					372,825,829

Part II **Grants and Other Assistance to Organizations or Entities Outside the United States.** Complete if the organization answered "Yes" to Form 990, Part IV, line 15, for any recipient who received more than \$5,000. Part II can be duplicated if additional space is needed.

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 non-cash assistance	(h) Description of non-cash assistance	(i) Method of valuation (book, FMV, appraisal, other)

- 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 ► _____
- 3 Enter total number of other organizations or entities ► _____

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

[illegible]

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

Part V Supplemental Information

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).

990 Schedule F, Supplemental Information

Return Reference	Explanation
PROCEDURES FOR MONITORING THE USE OF GRANTS AND OTHER ASSISTANCE	SCHEDULE F, PART I, LINE 2 AS A RESEARCH INSTITUTION, CARNEGIE PROVIDES FELLOWS WITH THE OPPORTUNITY TO PURSUE INDEPENDENT RESEARCH AND THE TRAINING TO ACQUIRE THE ADDITIONAL SKILLS AND EXPERTISE NEEDED TO BECOME A SUCCESSFUL SCIENTIST. CARNEGIE MONITORS THE FELLOWSHIP EXPERIENCE TO ACHIEVE BOTH OBJECTIVES. FELLOWS PURSUE THEIR RESEARCH PROGRAM RELATIVELY INDEPENDENTLY BUT HAVE FULL ACCESS TO CARNEGIE FACILITIES AND STAFF MEMBERS AND TYPICALLY PERFORM THEIR EXPERIMENTS AND SCIENTIFIC WORK ON-SITE AND IN COLLABORATION WITH OTHER CARNEGIE FELLOWS. THIS COLLABORATION SERVES AS A VEHICLE FOR MONITORING AND SUPPORTING THE WORK OF THE FELLOW. CARNEGIE'S VARIOUS ADMINISTRATIVE AND RESEARCH POLICIES APPLY TO FELLOWS. IN CARNEGIE'S STRUCTURE, DEPARTMENT DIRECTORS ARE RESPONSIBLE FOR ASSURING THAT FELLOWS FOLLOW THESE PROCEDURES AND CARRY OUT THE RESEARCH SUPPORTED THROUGH EXTERNALLY OR INTERNALLY-FUNDED FELLOWSHIPS. TO ENSURE SPONSORED PROGRAM DOLLARS ARE APPROPRIATELY USED, AND IN ACCORDANCE WITH APPLICABLE REGULATIONS, THE INSTITUTION APPLIES RIGOROUS FINANCIAL AND PROGRAMMATIC MONITORING. CARNEGIE CONDUCTS REGULAR ACCOUNT RECONCILIATIONS, SUBRECIPIENT MONITORING; WHEREIN SUBRECIPIENT ORGANIZATIONS ARE REQUIRED TO SUBMIT FINANCIAL AND TECHNICAL REPORTS. REPORTS AND INVOICES ARE REVIEWED FOR ACCURACY, AND COMPLIANCE WITH APPLICABLE TERMS AND CONDITIONS INCLUDING OMB 2 CFR 200 ADMINISTRATIVE REQUIREMENTS, COST PRINCIPLES, AND AUDIT REQUIREMENTS FOR FEDERAL AWARDS.

Additional Data

Software ID:
Software Version:
EIN: 53-0196523
Name: Carnegie Institution of Washington

Form 990 Schedule F Part I - Activities Outside The United States

(a) Region	(b) Number of offices in the region	(c) Number of employees or agents in region	(d) Activities conducted in region (by type) (i.e., fundraising, program services, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in region	(f) Total expenditures for region
Europe (Including Iceland and Greenland)			Fundraising		31,836
South America			Fundraising		59,739

Form 990 Schedule F Part I - Activities Outside The United States					
(a) Region	(b) Number of offices in the region	(c) Number of employees or agents in region	(d) Activities conducted in region (by type) (i.e., fundraising, program services, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in region	(f) Total expenditures for region
North America			Program Services	Meetings/conferences	9,658
East Asia and the Pacific			Program Services	Meetings/conferences	66,731

Form 990 Schedule F Part I - Activities Outside The United States					
(a) Region	(b) Number of offices in the region	(c) Number of employees or agents in region	(d) Activities conducted in region (by type) (i.e., fundraising, program services, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in region	(f) Total expenditures for region
Europe (Including Iceland and Greenland)			Program Services	Meetings/conferences	140,121
South America			Program Services	Meetings/conferences	25,066

Form 990 Schedule F Part I - Activities Outside The United States					
(a) Region	(b) Number of offices in the region	(c) Number of employees or agents in region	(d) Activities conducted in region (by type) (i.e., fundraising, program services, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in region	(f) Total expenditures for region
East Asia and the Pacific			Program Services	Collaborative work	5,005
North America			Program Services	Construction	7,134

Form 990 Schedule F Part I - Activities Outside The United States

(a) Region	(b) Number of offices in the region	(c) Number of employees or agents in region	(d) Activities conducted in region (by type) (i.e., fundraising, program services, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in region	(f) Total expenditures for region
East Asia and the Pacific			Program Services	CORAL FIELD SURVEY	45,746
Central America and the Caribbean			Program Services	FIELD WORK	3,180

Form 990 Schedule F Part I - Activities Outside The United States					
(a) Region	(b) Number of offices in the region	(c) Number of employees or agents in region	(d) Activities conducted in region (by type) (i.e., fundraising, program services, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in region	(f) Total expenditures for region
East Asia and the Pacific			Program Services	FIELD WORK	21,916
East Asia and the Pacific			Program Services	LIZARD ISLAND RESEARCH	25,398

Form 990 Schedule F Part I - Activities Outside The United States					
(a) Region	(b) Number of offices in the region	(c) Number of employees or agents in region	(d) Activities conducted in region (by type) (i.e., fundraising, program services, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in region	(f) Total expenditures for region
East Asia and the Pacific			Program Services	POSTDOC: RELOCATION	313
East Asia and the Pacific			Program Services	REEFSCAPE FIELD WORK	29,967

Form 990 Schedule F Part I - Activities Outside The United States					
(a) Region	(b) Number of offices in the region	(c) Number of employees or agents in region	(d) Activities conducted in region (by type) (i.e., fundraising, program services, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in region	(f) Total expenditures for region
East Asia and the Pacific			Program Services	REEFSCAPE FIELD WORK	23,255
East Asia and the Pacific			Program Services	VANNUTU AND PNG FLDWK	39,362

Form 990 Schedule F Part I - Activities Outside The United States

(a) Region	(b) Number of offices in the region	(c) Number of employees or agents in region	(d) Activities conducted in region (by type) (i.e., fundraising, program services, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in region	(f) Total expenditures for region
Europe (Including Iceland and Greenland)			Program Services	POSTDOC: RELOCATION	982
South America			Program Services	LCO FIELD WORK	23,360

Form 990 Schedule F Part I - Activities Outside The United States					
(a) Region	(b) Number of offices in the region	(c) Number of employees or agents in region	(d) Activities conducted in region (by type) (i.e., fundraising, program services, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in region	(f) Total expenditures for region
South America			Program Services	P JONES - RELOCATION	2,460
South America			Program Services	RESEARCH/GRANTS	56,730

Form 990 Schedule F Part I - Activities Outside The United States					
(a) Region	(b) Number of offices in the region	(c) Number of employees or agents in region	(d) Activities conducted in region (by type) (i.e., fundraising, program services, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in region	(f) Total expenditures for region
South America			Program Services	SCIENTIFIC OBS. CHILE	227,305
South America			Program Services	TELESCOPE ENG./MAINT.	26,034

Form 990 Schedule F Part I - Activities Outside The United States					
(a) Region	(b) Number of offices in the region	(c) Number of employees or agents in region	(d) Activities conducted in region (by type) (i.e., fundraising, program services, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in region	(f) Total expenditures for region
South America			Program Services	TELESCOPE OPERATIONS	7,388,148
South Asia			Program Services	POSTDOC: RELOCATION	1,889

Form 990 Schedule F Part I - Activities Outside The United States

(a) Region	(b) Number of offices in the region	(c) Number of employees or agents in region	(d) Activities conducted in region (by type) (i.e., fundraising, program services, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in region	(f) Total expenditures for region
North America			Investments		12,393,604
Central America and the Caribbean			Investments		345,601,560

Form 990 Schedule F Part I - Activities Outside The United States					
(a) Region	(b) Number of offices in the region	(c) Number of employees or agents in region	(d) Activities conducted in region (by type) (i.e., fundraising, program services, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in region	(f) Total expenditures for region
South America			Investments		4,484,654
Europe (Including Iceland and Greenland)			Investments		2,084,676

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

Schedule I
(Form 990)

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.

OMB No. 1545-0047

2018

Open to Public
Inspection

Department of the
Treasury
Internal Revenue Service

Name of the organization

Carnegie Institution of Washington

Employer identification number

53-0196523

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) See Additional Data							
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							
(11)							
(12)							

- 2 Enter total number of section 501(c)(3) and government organizations listed in the line 1 table ▶
- 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	58	3,059,013			
(2)					
(3)					
(4)					
(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
PROCEDURES FOR MONITORING THE USE OF GRANT FUNDS & OTHER ASSISTANCE IN US	SCHEDULE I, PART I, LINE 2 AS A RESEARCH INSTITUTION, CARNEGIE PROVIDES FELLOWS WITH THE OPPORTUNITY TO PURSUE INDEPENDENT RESEARCH AND THE TRAINING TO ACQUIRE THE ADDITIONAL SKILLS AND EXPERTISE NEEDED TO BECOME A SUCCESSFUL SCIENTIST. CARNEGIE MONITORS THE FELLOWSHIP EXPERIENCE TO ACHIEVE BOTH OBJECTIVES. FELLOWS PURSUE THEIR RESEARCH PROGRAM RELATIVELY INDEPENDENTLY BUT HAVE FULL ACCESS TO CARNEGIE FACILITIES AND STAFF MEMBERS AND TYPICALLY PERFORM THEIR EXPERIMENTS AND SCIENTIFIC WORK ON-SITE AND IN COLLABORATION WITH OTHER CARNEGIE SCIENTISTS. FELLOWS IN THE BIOLOGICAL SCIENCES APPLY TO CARNEGIE MAINLY TO LEARN THE RESEARCH TECHNIQUES AND RESEARCH AREAS OF A PARTICULAR CARNEGIE STAFF SCIENTIST, THAT IS, TO WORK IN THAT PRINCIPAL INVESTIGATOR'S (PI) LAB. LABS ROUTINELY ENGAGE A NUMBER OF DIFFERENT PEOPLE, INCLUDING A PI, TECHNICIANS, POSTDOCTORAL SCIENTISTS, AND RESEARCHERS. THE PI MONITORS THE WORK OF THE FELLOW ON AN ONGOING BASIS, CRITIQUES THE FELLOWS' RESEARCH, MAKES SUGGESTIONS FOR AVENUES TO EXPLORE, AND PROVIDES ONGOING MENTORING. FELLOWS IN THE PHYSICAL SCIENCES TYPICALLY COLLABORATE WITH A SENIOR STAFF MEMBER ON RESEARCH PROJECTS. THIS PROVIDES AN ONGOING VEHICLE FOR MONITORING AND SUPPORTING THE WORK OF THE FELLOW. FELLOWS ARE ASKED TO PRESENT AND DEFEND THEIR RESEARCH TO OTHER SCIENTISTS BOTH AT CARNEGIE AND AT OTHER INSTITUTIONS. THIS PROCESS HELPS TO MONITOR A FELLOWS' SCIENTIFIC PROGRESS AND PERMITS ADJUSTMENTS AS NECESSARY. CARNEGIE'S VARIOUS ADMINISTRATIVE AND RESEARCH POLICIES APPLY TO FELLOWS. IN CARNEGIE'S STRUCTURE, DEPARTMENT DIRECTORS ARE RESPONSIBLE FOR ASSURING THAT FELLOWS FOLLOW THESE PROCEDURES AND CARRY OUT THE RESEARCH SUPPORTED THROUGH EXTERNALLY OR INTERNALLY-FUNDED FELLOWSHIPS. TO ENSURE SPONSORED PROGRAM DOLLARS ARE APPROPRIATELY USED, AND IN ACCORDANCE WITH APPLICABLE REGULATIONS, THE INSTITUTION APPLIES RIGOROUS FINANCIAL AND PROGRAMMATIC MONITORING. CARNEGIE CONDUCTS REGULAR ACCOUNT RECONCILIATIONS, SUBRECIPIENT MONITORING; WHEREIN SUBRECIPIENT ORGANIZATIONS ARE REQUIRED TO SUBMIT FINANCIAL AND TECHNICAL REPORTS. REPORTS AND INVOICES ARE REVIEWED FOR ACCURACY, AND COMPLIANCE WITH APPLICABLE TERMS AND CONDITIONS INCLUDING OMB 2 CFR 200 ADMINISTRATIVE REQUIREMENTS, COST PRINCIPLES, AND AUDIT REQUIREMENTS FOR FEDERAL AWARDS.

Additional Data

Software ID:
Software Version:
EIN: 53-0196523
Name: Carnegie Institution of Washington

Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

(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 non-cash assistance	(h) Purpose of grant or assistance
UNIVERSITY OF CHICAGO 5801 S ELLIS AVENUE CHICAGO, IL 60637	36-2177139	501(c)(3)	6,368				Participant Support
NORTHWESTERN UNIVERSITY 633 CLARK ST RM G547 EVANSTON, IL 60208	36-2167817	501(c)(3)	10,287				Participant Support

Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.							
(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 non-cash assistance	(h) Purpose of grant or assistance
UNIVERSITY OF ALABAMA AT BIRMINGHAM UNIVERSITY STATION BIRMINGHAM, AL 35294	63-6005396	501(c)(3)	5,917				Participant support
MICHIGAN STATE UNIVERSITY 220 TROWBRIDGE RD EAST LANSING, MI 48824	38-6005984	501(c)(3)	8,357				Participant support

Schedule J (Form 990)	Compensation Information	OMB No. 1545-0047
		2018
Department of the Treasury Internal Revenue Service	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.	
Name of the organization Carnegie Institution of Washington		Employer identification number 53-0196523

Part I Questions Regarding Compensation		Yes	No
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.			
<input checked="" type="checkbox"/> First-class or charter travel	<input checked="" type="checkbox"/> Housing allowance or residence for personal use		
<input checked="" type="checkbox"/> Travel for companions	<input type="checkbox"/> Payments for business use of personal residence		
<input type="checkbox"/> Tax idemnification and gross-up payments	<input type="checkbox"/> Health or social club dues or initiation fees		
<input type="checkbox"/> Discretionary spending account	<input type="checkbox"/> Personal services (e.g., maid, chauffeur, chef)		
b If any of the boxes in 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 in 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.			
<input checked="" type="checkbox"/> Compensation committee	<input type="checkbox"/> Written employment contract		
<input checked="" type="checkbox"/> Independent compensation consultant	<input type="checkbox"/> Compensation survey or study		
<input type="checkbox"/> Form 990 of other organizations	<input checked="" type="checkbox"/> Approval by the board or compensation committee		
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:			
a Receive a severance payment or change-of-control payment?		4a	No
b Participate in, or receive payment from, a supplemental nonqualified retirement plan?		4b	No
c Participate in, or receive payment from, an equity-based compensation arrangement?		4c	No
If "Yes" to any of lines 4a-c, list the persons and provide the applicable amounts for each item in Part III.			
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:			
a The organization?		5a Yes	
b Any related organization?		5b	No
If "Yes," on line 5a or 5b, describe in Part III.			
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:			
a The organization?		6a	No
b Any related organization?		6b	No
If "Yes," on line 6a or 6b, describe in Part III.			
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	No
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	

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.

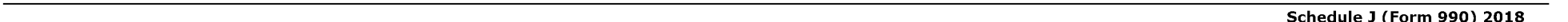
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Part III Supplemental Information

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
FIRST-CLASS TRAVEL	SCHEDULE J, PART I, LINE 1A FIRST CLASS TRAVEL WAS ALLOWED PURSUANT TO POLICY AND PAID FOR MR. ISAACS, MR. DOYLE, AND MR. MULCHAEY. THESE BENEFITS ARE INCLUDED WITHIN SCHEDULE J, PART II, COLUMN B(III). HOUSING ALLOWANCE SCHEDULE J, PART I, LINE 1A CARNEGIE'S POLICIES INCLUDE A PROVISION FOR HOUSING SUBSIDIES IN HIGH-COST AREAS FOR QUALIFYING STAFF MEMBERS. SIX STAFF MEMBERS QUALIFY FOR THE HOUSING ALLOWANCE. THESE BENEFITS ARE TREATED AS TAXABLE COMPENSATION AND INCLUDED ON THE STAFF MEMBER'S FORM W-2. TRAVEL FOR COMPANIONS SCHEDULE J, PART I, LINE 1A TRAVEL FOR COMPANIONS WAS ALLOWED PURSUANT TO POLICY AND PAID FOR MR. ISAACS' SPOUSE. THIS BENEFIT IS INCLUDED WITHIN SCHEDULE J, PART II, COLUMN B(III).

Return Reference	Explanation
CONTINGENT COMPENSATION	SCHEDULE J, PART I, LINE 5A CARNEGIE PAID COMPENSATION UPON AND DETERMINED IN PART BY THE REVENUES OF THE ORGANIZATION TO MICHAEL STAMBAUGH AND ANN MCELWAIN. CONTINGENT COMPENSATION IS REPORTED IN COLUMN B(II) OF SCHEDULE J, PART II.



Additional Data

Software ID:
Software Version:
EIN: 53-0196523
Name: Carnegie Institution of Washington

Form 990, Schedule J, Part II - Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees

(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				
Eric D Isaacs President	(i)	379,333	50,000	11,964	63,460	11,011	515,768	0
	(ii)	0	0	0	0	0	0	0
Timothy P Doyle Chief Operating Officer	(i)	363,146	25,000	22,015	47,541	29,023	486,725	0
	(ii)	0	0	0	0	0	0	0
Benjamin Aderson General Counsel	(i)	221,898	22,500	18,554	32,863	8,002	303,817	0
	(ii)	0	0	0	0	0	0	0
John S Mulchaey Division Director	(i)	334,968	10,000	696	44,364	9,150	399,178	0
	(ii)	0	0	0	0	0	0	0
Yixian Zheng Department Director	(i)	317,750	10,000	17,779	46,117	0	391,646	0
	(ii)	0	0	0	0	0	0	0
Richard W Carlson Division Director	(i)	269,880	0	396	54,036	9,584	333,896	0
	(ii)	0	0	0	0	0	0	0
Zhiyong Wang Acting Director & Snr Stf Sci	(i)	199,830	0	24,306	38,348	8,596	271,080	0
	(ii)	0	0	0	0	0	0	0
Michael Walter Division Director	(i)	189,310	0	193	33,934	6,919	230,356	0
	(ii)	0	0	0	0	0	0	0
Ann McElwain Chief Development Officer	(i)	272,954	14,094	138	44,257	21,936	353,379	0
	(ii)	0	0	0	0	0	0	0
Patrick McCarthy GMTO Director	(i)	295,595	0	0	48,944	17,361	361,900	0
	(ii)	0	0	0	0	0	0	0
Nicholas Konidaris Scientific Staff Member	(i)	155,419	0	134,403	23,842	21,968	335,632	0
	(ii)	0	0	0	0	0	0	0
Michael Stambaugh Chief Investment Officer	(i)	410,646	300,000	144	43,617	26,423	780,830	0
	(ii)	0	0	0	0	0	0	0
Kenneth G Caldeira Senior Staff Scientist	(i)	241,860	0	2,079	47,190	22,926	314,055	0
	(ii)	0	0	0	0	0	0	0
Seung Yon Rhee Department Director	(i)	229,884	0	7,590	38,656	10,596	286,726	0
	(ii)	0	0	0	0	0	0	0
George Cody Department Director	(i)	224,611	0	258	43,427	27,252	295,548	0
	(ii)	0	0	0	0	0	0	0
Joseph Berry Department Director	(i)	220,943	0	1,236	45,218	18,351	285,748	0
	(ii)	0	0	0	0	0	0	0

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

Schedule K
(Form 990)

Department of the Treasury
Internal Revenue Service

Name of the organization
Carnegie Institution of Washington

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 the latest information.

OMB No. 1545-0047

2018

Open to Public Inspection

Employer identification number
53-0196523

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 California Educational Facilities Authority	52-1705592	130178VS2	03-24-2010	34,525,000	REFUND PRIOR BONDS TO FINANCE		X		X		X
B Maryland Health & Higher Educational Facilities	52-0936091	574217JB2	02-04-2010	30,580,000	REFUND PRIOR BONDS TO CONSTRUCT/EQ		X		X		X

Part II		Proceeds							
		A		B		C		D	
1	Amount of bonds retired	0		0					
2	Amount of bonds legally defeased	0		0					
3	Total proceeds of issue	36,365,183		30,505,440					
4	Gross proceeds in reserve funds	0		0					
5	Capitalized interest from proceeds	0		0					
6	Proceeds in refunding escrows	0		0					
7	Issuance costs from proceeds	565,183		553,594					
8	Credit enhancement from proceeds	0		0					
9	Working capital expenditures from proceeds	0		0					
10	Capital expenditures from proceeds	35,800,000		30,000,000					
11	Other spent proceeds	0		0					
12	Other unspent proceeds	0		0					
13	Year of substantial completion	2003		2005					
		Yes	No	Yes	No	Yes	No	Yes	No
14	Were the bonds issued as part of a current refunding issue?	X		X					
15	Were the bonds issued as part of an advance refunding issue?		X		X				
16	Has the final allocation of proceeds been made?	X		X					
17	Does the organization maintain adequate books and records to support the final allocation of proceeds?	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?								
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?								
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 %					
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 ▶								
6	Total of lines 4 and 5								
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				
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?		X		X				
	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				
4a	Has the organization or the governmental issuer entered into a qualified hedge with respect to the bond issue?		X		X				
b	Name of provider	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				
b Name of provider	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				
7 Has the organization established written procedures to monitor the requirements of section 148?	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					

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, BONDS A AND B	THE DIFFERENCE BETWEEN THE ISSUE PRICE LISTED IN PART I, COLUMN (E) AND THE TOTAL PROCEEDS OF ISSUE IN PART II, LINE 3 FOR BOND A AND BOND B REPRESENT PREMIUMS OR DISCOUNTS.

Return Reference	Explanation
SCHEDULE K, PART II, LINE 7	03/24/2010 - 34,525,000 CALIFORNIA EDUCATIONAL FACILITIES AUTHORITY (CEFA) - THIS ISSUE WAS USED TO REFUND \$17.5 MILLION OF 1993 SERIES B CALIFORNIA EDUCATIONAL FACILITIES AUTHORITY REVENUE TAX EXEMPT BONDS AND \$18.3 MILLION OF 2006 SERIES A CEFA REFUNDING REVENUE TAX-EXEMPT BONDS WHICH REFUNDED ALL OUTSTANDING 1993 SERIES A CALIFORNIA EDUCATIONAL FACILITIES AUTHORITY REVENUE TAX EXEMPT BONDS. 1993 SERIES A & B BONDS WERE USED TO FINANCE THE MAGELLAN TELESCOPE PROJECT AND THE RENOVATION OF THE FACILITIES OF THE OBSERVATORIES AT PASADENA. THE TELESCOPE PROJECT WAS COMPLETED IN 2003. THE 2010 SERIES WAS ISSUED AT A PREMIUM OF \$1,840,183 AND AMOUNTS IN EXCESS OF \$35.8 MILLION WERE USED TO COVER ISSUANCE COSTS.

Return Reference	Explanation
SCHEDULE K, PART II, LINE 7	02/04/2010 - 30,580,000 MARYLAND HEALTH & HIGHER EDUCATIONAL FACILITIES (MHHEFA) - THIS ISSUE WAS USED TO REFUND PRIOR MHHEFA BONDS OF \$30 MILLION ISSUED IN OCTOBER, 2002, THE PROCEEDS OF WHICH WERE USED TO CONSTRUCT AND EQUIP A NEW FACILITY FOR CARNEGIE'S DEPARTMENT OF EMBRYOLOGY ON THE JOHNS HOPKINS HOMEWOOD CAMPUS IN BALTIMORE, MARYLAND. CONSTRUCTION BEGAN IN APRIL 2003 AND THE FACILITY WAS OCCUPIED IN SEPTEMBER 2005. THE 2010 SERIES WAS ISSUED AT A DISCOUNT OF \$74,561 AND AMOUNTS BORROWED IN EXCESS OF \$30 MILLION WERE USED TO COVER ISSUANCE COSTS.

Schedule L

(Form 990 or 990-EZ)

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 the latest information.

OMB No. 1545-0047

2018

Open to Public Inspection

Department of the Treasury
Internal Revenue Service

Name of the organization

Carnegie Institution of Washington

Employer identification number

53-0196523

Part I Excess Benefit Transactions (section 501(c)(3), section 501(c)(4), and 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 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) SEUNG YON RHEE	DEPT. DIR.	MORTGAGE		X	468,058	381,616		No	Yes		Yes
Total						381,616					

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
(1) WILLIAM GAYDEN	TRUSTEE	6,043,545	SEE PART V		No

Part V Supplemental Information

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

Return Reference	Explanation
SCHEDULE L, PART IV, COLUMN (D)	MR. GAYDEN IS FOUNDER, CHAIRMAN, AND CHIEF EXECUTIVE OFFICER OF MERIT ENERGY COMPANY, A PRIVATE FIRM SPECIALIZING IN DIRECT INVESTMENTS IN MATURE, HIGH QUALITY OIL AND GAS ASSETS. MERIT ACQUIRES, OPERATES, AND DEVELOPS PRODUCING OIL AND GAS PROPERTIES ON BEHALF OF INSTITUTIONAL LIMITED PARTNERS THROUGH THE MERIT ENERGY PARTNERSHIP FUNDS. CARNEGIE MADE THIS CONTRIBUTION TO FUND CAPITAL CALLS FROM ITS EXISTING COMMITMENTS TO MERIT'S ENERGY FUNDS.

SCHEDULE M
(Form 990)

Department of the Treasury
Internal Revenue Service

Noncash Contributions

►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.

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2018

Open to Public Inspection

Name of the organization
Carnegie Institution of Washington

Employer identification number
53-0196523

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	X	1	93,415	Appraisal
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	12	357,293	FMV
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 ► (<u>Equipment</u>)	X	4	74,638	0
26 Other ► (<u> </u>)				
27 Other ► (<u> </u>)				
28 Other ► (<u> </u>)				

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 is not required to be used for exempt purposes for the entire holding period?

30a

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?

31

Yes

32a

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

32a

No

b

If "Yes," describe in Part II.

33

If the organization did not 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) (2018)

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).

efile GRAPHIC print - DO NOT PROCESS		As Filed Data -	DLN: 93493196040540
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 <u>www.irs.gov/Form990</u> for the latest information.		OMB No. 1545-0047
			2018
Department of the Treasury Internal Revenue Service			Open to Public Inspection
Name of the organization Carnegie Institution of Washington		Employer identification number 53-0196523	

990 Schedule O, Supplemental Information

Return Reference	Explanation
organization's mission	<p>FORM 990, PART III, LINE 1 THE MISSION OF THE CARNEGIE INSTITUTION OF WASHINGTON, AS SET F ORTH IN ITS ARTICLES OF INCORPORATION UNDER AN ACT OF CONGRESS IN 1904, IS "TO ENCOURAGE, IN THE BROADEST AND MOST LIBERAL MANNER, INVESTIGATION, RESEARCH, AND DISCOVERY, AND THE A PPLICATION OF KNOWLEDGE TO THE IMPROVEMENT OF MANKIND." PROGRAM SERVICE ACTIVITY #1 FORM 9 90, PART III, LINE 4A CARNEGIE IS A WORLD-RENOWNED CENTER FOR PETROLOGY-THE STUDY OF ROCKS . IT IS ALSO A GLOBAL LEADER IN HIGH-PRESSURE AND HIGH-TEMPERATURE PHYSICS, WHICH ENABLES OUR SCIENTISTS TO MAKE SIGNIFICANT CONTRIBUTIONS TO EARTH, PLANETARY AND MATERIAL SCIENCES . CARNEGIE IS LEADING AN INTERNATIONAL, MULTI-INSTITUTION, CROSS-DISCIPLINARY INITIATIVE D EDICATED TO ACHIEVING A TRANSFORMATIONAL UNDERSTANDING OF EARTH'S DEEP CARBON CYCLE, INCLU DING ITS POORLY CONSTRAINED RESERVOIRS AND FLUXES; THE UNKNOWN ROLE OF DEEP BIOLOGY; AND T HE UNEXPLORED INFLUENCES OF THE DEEP CARBON CYCLE ON CRITICAL SOCIETAL CONCERNS RELATED TO ENERGY, THE ENVIRONMENT, AND CLIMATE. CARNEGIE RESEARCHERS ARE CONTRIBUTING TO INTERDISCI PLINARY EFFORTS INVESTIGATING HOW LIFE EVOLVED ON THIS PLANET AND DETERMINING ITS POTENTIA L FOR EXISTING ELSEWHERE. CARNEGIE OBSERVATIONAL AND THEORETICAL ASTRONOMERS COLLABORATE T O TRACE THE EVOLUTION OF THE UNIVERSE FROM THE SPARK OF THE BIG BANG THROUGH STAR AND GALA XY FORMATION; EXPLORE THE STRUCTURE OF THE UNIVERSE; AND PROBE THE MYSTERIES OF DARK MATTE R, DARK ENERGY, AND THE EVER-ACCELERATING RATE AT WHICH THE UNIVERSE IS EXPANDING. UNLIKE MOST IN THEIR FIELD, CARNEGIE OBSERVATIONAL ASTRONOMERS DESIGN AND BUILD THEIR OWN INSTRUM ENTS TO CAPTURE THE SECRETS OF SPACE. CARNEGIE OPERATES TELESCOPES IN LAS CAMPANAS, CHILE, AT WHICH MUCH OF OUR ASTRONOMICAL RESEARCH IS CONDUCTED. WE ARE FOUNDING PARTNERS IN A CO NSORTIUM THAT IS WORKING TO DESIGN, CONSTRUCT, AND OPERATE THE GIANT MAGELLAN TELESCOPE, O NE OF THE NEW CLASS OF EXTREMELY LARGE TELESCOPES, WHICH WILL BE AMONG THE WORLD'S LARGEST GROUND-BASED OPTICAL/INFRARED FACILITIES ONCE IT IS COMPLETED. CARNEGIE ALSO INCLUDES INT ERDISCIPLINARY TEAMS OF ASTRONOMERS AND ASTROPHYSICISTS, GEOPHYSICISTS AND GEOCHEMISTS, CO SMOCHEMISTS AND PLANETARY SCIENTISTS. THESE GROUPS ARE DISCOVERING PLANETS ORBITING DISTAN T STARS; PROBING THE FORMATION AND EVOLUTION OF EARTH, THE MOON, AND OUR SOLAR SYSTEM; AND STUDYING THE CAUSES OF EARTHQUAKES, VOLCANOES, AND OTHER GEOLOGIC PHENOMENA. USING INNOVA TIVE APPROACHES TO ECOLOGICAL RESEARCH, CARNEGIE SCIENTISTS ARE UNTANGLING THE COMPLICATED INTERACTIONS BETWEEN EARTH'S LAND, ATMOSPHERE, AND OCEANS TO UNDERSTAND HOW GLOBAL SYSTEM S OPERATE. DEPLOYING A WIDE RANGE OF POWERFUL TOOLS-FROM SATELLITES TO MOLECULAR BIOLOGY T ECHNIQUES-THESE SCIENTISTS EXPLORE ISSUES SUCH AS THE GLOBAL CARBON CYCLE, THE ROLE OF LAN D AND OCEANIC ECOSYSTEMS, AND OCEAN ACIDIFICATION. OUR ECOLOGISTS ALSO PLAY AN ACTIVE ROLE IN THE PUBLIC ARENA, FROM SERVING ON NATIONAL PANELS AND COMMITTEES THAT INVESTIGATE CLIM ATE CHANGE TO IDENTIFYING ENVI</p>

990 Schedule O, Supplemental Information

Return Reference	Explanation
organization's mission	<p>ENVIRONMENTAL HOT SPOTS FOR CONSERVATION EFFORTS. CARNEGIE BIOLOGISTS REVEAL CRUCIAL BIOCHEMICAL PATHWAYS AND THE GENES THAT ENCODE THEIR FUNCTIONS IN MICROBES, PLANTS, AND ANIMALS. TOGETHER WITH OUR LONGSTANDING EXPERTISE IN MODEL SYSTEM DEVELOPMENT, THIS WORK PROVIDES A FOUNDATION FOR EXPLORING NEW RESEARCH AVENUES THAT DEPLOY CELLULAR AND MOLECULAR APPROACHES TO UNDERSTAND ECOSYSTEM-WIDE AND GLOBAL PHENOMENA RELATED TO CLIMATE CHANGE, INCLUDING CORAL BLEACHING. THEY ALSO STUDY INTERACTIONS BETWEEN THE SPECIES THAT MAKE UP BACTERIAL COMMUNITY ECOSYSTEMS. OUR RESEARCHERS ARE DEMONSTRATING THAT THE INTERSPECIES RELATIONSHIPS IN THE GUT MICROBIOME AFFECT OUR HEALTH, FERTILITY, AND LONGEVITY. SIMILAR DYNAMICS ALLOW MICROBIAL MATS TO THRIVE IN HOT SPRINGS; UNDERSTANDING THEM IMPROVES OUR KNOWLEDGE OF HOW LIFE ADAPTS TO EXTREME CONDITIONS. PROGRAM SERVICE ACTIVITY #2 FORM 990, PART III, LINE 4B EDUCATION - CARNEGIE, A NON-DEGREE GRANTING ENTITY, IS AN ADVANCED STUDY ORGANIZATION AT WHICH HIGHLY QUALIFIED GRADUATE SCIENTISTS ARE OFFERED POSTGRADUATE AND POSTDOCTORAL TRAINING FOR CAREERS IN EDUCATION AND RESEARCH. CARNEGIE'S POSTDOCTORAL SCIENTIFIC EDUCATION IS PRIMARILY CONDUCTED IN THE LABORATORY OR IN THE FIELD. THE POSTDOCTORAL CURRICULUM IS HEAVILY WEIGHTED TOWARD TRAINING CANDIDATES TO BE CAPABLE RESEARCHERS AND TEACHERS OF RESEARCH. THE FACULTY CONSISTS OF THE PROFESSIONAL STAFF OF CARNEGIE, ALL OF WHOM PURSUE THEIR OWN RESEARCH. CARNEGIE ALSO OFFERS CERTAIN TRAINING OPPORTUNITIES FOR PREDOCTORAL STUDENTS WHO MAY GO ON TO PURSUE ADVANCED DEGREES AT DEGREE-GRANTING INSTITUTIONS, AS WELL AS INTERNSHIP OPPORTUNITIES, BOTH THROUGH FORMAL PROGRAMS AND ON AN INDIVIDUAL, CASE-BY-CASE BASIS. THE FORMAL PROGRAMS, IN PARTICULAR, MAKE AN EFFORT TO PROVIDE RESEARCH OPPORTUNITIES AND ENCOURAGEMENT FOR CONSIDERING STEM CAREERS TO GROUPS WHO ARE TRADITIONALLY UNDERREPRESENTED IN MATHEMATICS AND THE PHYSICAL SCIENCES. CARNEGIE PROGRAMS ALSO TRAIN PUBLIC ELEMENTARY SCHOOL TEACHERS ON HOW TO INCORPORATE INTERACTIVE SCIENCE INSTRUCTION INTO ALL ASPECTS OF THE CURRICULUM; HELPS IMPROVE THE INSTRUCTION OF MATHEMATICS EDUCATION OF PUBLIC SCHOOL CHILDREN BY TRAINING INDIVIDUALS WITH MATHEMATICS OR RELATED DEGREES TO BECOME CLASSROOM INSTRUCTORS; INTRODUCES AND TRAINS HIGH SCHOOL STUDENTS TO CAREER EDUCATION PATHWAYS IN THE FIELD OF BIOTECHNOLOGY; AND MAKES INFORMATION AVAILABLE CONCERNING CARNEGIE'S SCIENTIFIC RESEARCH FINDINGS TO STUDENTS AND THE GENERAL PUBLIC.</p>

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FORM 990 REVIEW PROCESS	<p>FORM 990, PART VI, SECTION B, LINE 11B CARNEGIE'S FINANCE DEPARTMENT, SENIOR STAFF AND ITS INDEPENDENT PAID PREPARER, GRANT THORNTON, WORK TOGETHER TO PREPARE AND REVIEW THE FORM 990. THE DRAFT FORM 990 IS THEN DISTRIBUTED TO MEMBERS OF THE AUDIT COMMITTEE OF THE BOARD OF TRUSTEES FOR REVIEW AND COMMENT. AFTER THE AUDIT COMMITTEE HAS REVIEWED THE RETURN AND ITS FEEDBACK HAS BEEN INCORPORATED, THE RETURN IS DISTRIBUTED TO ALL MEMBERS OF THE BOARD OF TRUSTEES FOR REVIEW AND COMMENT BEFORE IT IS FILED WITH THE IRS. TRUSTEES ARE ENCOURAGED TO CONTACT THE CHIEF OPERATING OFFICER OR DIRECTOR OF FINANCE WITH ANY QUESTIONS. CONFLICT OF INTEREST POLICY FORM 990, PART VI, SECTION B, LINE 12C CARNEGIE HAS ADOPTED CONFLICT OF INTEREST POLICIES THAT APPLY TO THE INSTITUTION'S TRUSTEES, CORPORATE OFFICERS, AND EMPLOYEES. THESE POLICIES REQUIRE EACH TRUSTEE TO COMPLETE ANNUALLY A FORM TO DISCLOSE ANY POTENTIAL CONFLICTS OF INTEREST. THE FORMS ARE COLLECTED BY THE CORPORATE SECRETARY, AND ANY DISCLOSURES ARE SUBSEQUENTLY PROVIDED TO THE BOARD OF TRUSTEES OR RELEVANT COMMITTEE OF THE BOARD FOR REVIEW AND APPROVAL. SIMILARLY, ALL EMPLOYEES OF CARNEGIE (INCLUDING CORPORATE OFFICERS) ARE REQUIRED, UPON HIRING AND ANNUALLY THEREAFTER, TO REPORT THEIR POTENTIAL CONFLICTS OF INTEREST. DEPARTMENT DIRECTORS REVIEW ALL POTENTIAL CONFLICTS IN THEIR DEPARTMENTS. THE PRESIDENT REVIEWS ALL POTENTIAL CONFLICTS FOR DEPARTMENT DIRECTORS. THE BOARD OF TRUSTEES REVIEWS ALL POTENTIAL CONFLICTS FOR THE CORPORATE OFFICERS. THROUGHOUT THE YEAR, EACH INDIVIDUAL SUBJECT TO THE CONFLICT OF INTEREST POLICIES IS REQUIRED TO UPDATE HIS/HER DISCLOSURE STATEMENT TO INCLUDE ANY INFORMATION REQUIRED TO BE DISCLOSED. THE SIGNED EMPLOYEE DISCLOSURE FORMS ARE KEPT IN THE EMPLOYEE'S PERSONNEL FILE.</p>

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PROCESS FOR DETERMINING EXECUTIVE COMPENSATION	<p>FORM 990, PART VI, SECTION B, LINE 15A CARNEGIE ENGAGES AN INDEPENDENT COMPENSATION CONSULTING FIRM TO CONDUCT A COMPENSATION STUDY TO EVALUATE THE REASONABLENESS OF THE TOTAL PROPOSED COMPENSATION FOR THE ORGANIZATION'S "DISQUALIFIED PERSONS" UNDER TREAS. REG. 53.4958-3 WITHOUT REGARD TO WHETHER THE PERSON HAS BEEN ELECTED AN OFFICER. THE INDEPENDENT COMPENSATION STUDY FOCUSES ON THE COMPENSATION PAID TO FUNCTIONALLY COMPARABLE POSITIONS AT SIMILARLY-SITUATED ORGANIZATIONS AND ALSO CONSIDERS INDUSTRY COMPENSATION SURVEYS. THE COMPENSATION STUDY IS PROVIDED TO THE ORGANIZATION'S HUMAN RESOURCES AND COMPENSATION COMMITTEE, TOGETHER WITH A REASONED WRITTEN OPINION FROM THE COMPENSATION CONSULTANT THAT THE PROPOSED COMPENSATION ARRANGEMENTS FOR THE DISQUALIFIED PERSONS ARE "REASONABLE" WITHIN THE MEANING OF TREAS. REG. 53.4958-4(B)(1)(II)(A). THE HUMAN RESOURCES AND COMPENSATION COMMITTEE SETS COMPENSATION FOR EACH DISQUALIFIED PERSON AND MAKES A RECOMMENDATION TO THE FULL BOARD OF TRUSTEES WITH RESPECT TO COMPENSATION FOR THE PRESIDENT. THE FULL BOARD THEN REVIEWS THE COMPENSATION STUDY AND OPINION FOR THE PRESIDENT TOGETHER WITH THE RECOMMENDATION OF THE HUMAN RESOURCES AND COMPENSATION COMMITTEE AND MAKES A DECISION WITH RESPECT TO THE PRESIDENT'S COMPENSATION. THE HUMAN RESOURCES AND COMPENSATION COMMITTEE AND BOARD RELY ON THE COMPENSATION CONSULTANT'S OPINION AND COMPENSATION STUDY TO GUIDE ITS REVIEW, DELIBERATION, AND APPROVAL OF THE PROPOSED COMPENSATION ARRANGEMENTS, AND ITS DECISIONS REGARDING COMPENSATION (INCLUDING THE BASES FOR THESE DECISIONS) ARE DOCUMENTED IN THE MEETING MINUTES. THE HUMAN RESOURCES AND COMPENSATION COMMITTEE AND TRUSTEES WHO VOTE ON COMPENSATION FOR DISQUALIFIED PERSONS AND THE PRESIDENT DO NOT HAVE A CONFLICT OF INTEREST WITH REGARD TO THESE COMPENSATION ARRANGEMENTS.</p>

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MAKING ORGANIZATIONAL DOCUMENTS AVAILABLE TO THE PUBLIC	FORM 990, PART VI, SECTION C, LINE 19 IN ACCORDANCE WITH TREAS. REG. 301.6104(D)-1(A)(1) AND IRS NOTICE 2007-45, COPIES OF CARNEGIE'S THREE MOST RECENT FORMS 990 ARE MADE AVAILABLE FOR INSPECTION BY THE PUBLIC DURING REGULAR BUSINESS HOURS AT CARNEGIE'S OFFICE IN WASHINGTON, DC. CARNEGIE'S MOST RECENT FORM 990 IS ALSO MADE AVAILABLE TO THE PUBLIC ON THE INSTITUTION'S WEBSITE. THE ORGANIZATION MAKES ITS GOVERNING DOCUMENTS AVAILABLE TO THE EXTENT REQUIRED BY LAW. THE ORGANIZATION'S AUDITED FINANCIAL STATEMENTS AND STAFF CONFLICT OF INTEREST POLICY ARE ALSO MADE AVAILABLE TO THE PUBLIC UPON REQUEST.

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Other CHANGES IN NET ASSETS	FORM 990, PART XI, LINE 9 PENSION-RELATED CHANGES OTHER THAN NET PERIODIC POSTRETIREMENT BENEFIT COST (\$2,611,408) UNREALIZED SWAP GAIN/(LOSS) \$1,033,807 UNREALIZED FX GAIN/(LOSS) \$1,061 GRANT MODIFICATIONS (\$5,187,691) ----- TOTAL (\$6,764,231)