

Form **990**

(Rev. January 2020)

Department of the Treasury
Internal Revenue Service**Return of Organization Exempt From Income Tax**

Under section 501(c), 527, or 4947(a)(1) of the Internal Revenue Code (except private foundations)

▶ Do not enter social security numbers on this form as it may be made public.

▶ Go to www.irs.gov/Form990 for instructions and the latest information.

OMB No. 1545-0047

2019**Open to Public
Inspection****A** For the 2019 calendar year, or tax year beginning

10/01, 2019, and ending

09/30, 2020

B Check if applicable:

- ☐ Address change
- ☐ Name change
- ☐ Initial return
- ☐ Final return/terminated
- ☐ Amended return
- ☐ Application pending

C Name of organization

ALLIANCE FOR SUSTAINABLE ENERGY, LLC

Doing business as

Number and street (or P.O. box if mail is not delivered to street address)

Room/suite

15013 DENVER WEST PARKWAY RSF041

City or town, state or province, country, and ZIP or foreign postal code

GOLDEN, CO 80401

F Name and address of principal officer:

DR. MARTIN KELLER

15013 DENVER WEST PKWY RSF041, GOLDEN, CO 80401

D Employer identification number

26-1939342

E Telephone number

(303) 275-3000

G Gross receipts \$ 546,317,217.**H(a)** Is this a group return for subordinates? ☐ Yes ☒ No**H(b)** Are all subordinates included? ☐ Yes ☐ No

If "No," attach a list. (see instructions)

I Tax-exempt status: ☒ 501(c)(3) ☐ 501(c)() ◀ (insert no.) ☐ 4947(a)(1) or ☐ 527**J** Website: ▶ WWW.ALLIANCEFORSUSTAINABLEENERGY.ORG**H(c)** Group exemption number ▶**K** Form of organization: ☐ Corporation ☐ Trust ☐ Association ☒ Other ▶ LLC**L** Year of formation: 2008**M** State of legal domicile: DE**Part I Summary****1** Briefly describe the organization's mission or most significant activities: OPERATES THE NATIONAL RENEWABLE ENERGY LABORATORY TO DEVELOP ENERGY EFFICIENT TECHNOLOGIES**2** Check this box ☐ if the organization discontinued its operations or disposed of more than 25% of its net assets.

3 Number of voting members of the governing body (Part VI, line 1a)	3	15.
4 Number of independent voting members of the governing body (Part VI, line 1b)	4	15.
5 Total number of individuals employed in calendar year 2019 (Part V, line 2a)	5	2,866.
6 Total number of volunteers (estimate if necessary)	6	15.
7a Total unrelated business revenue from Part VIII, column (C), line 12	7a	0.
7b Net unrelated business taxable income from Form 990-T, line 39	7b	

	Prior Year	Current Year
8 Contributions and grants (Part VIII, line 1h)	493,545,097.	546,285,329.
9 Program service revenue (Part VIII, line 2g)	0.	0.
10 Investment income (Part VIII, column (A), lines 3, 4, and 7d)	4,483.	1,111.
11 Other revenue (Part VIII, column (A), lines 5, 6d, 8c, 9c, 10c, and 11e)	0.	30,777.
12 Total revenue - add lines 8 through 11 (must equal Part VIII, column (A), line 12)	493,549,580.	546,317,217.
13 Grants and similar amounts paid (Part IX, column (A), lines 1-3)	0.	0.
14 Benefits paid to or for members (Part IX, column (A), line 4)	0.	0.
15 Salaries, other compensation, employee benefits (Part IX, column (A), lines 5-10)	296,091,065.	345,950,502.
16a Professional fundraising fees (Part IX, column (A), line 11e)	0.	0.
b Total fundraising expenses (Part IX, column (D), line 25) ▶	0.	
17 Other expenses (Part IX, column (A), lines 11a-11d, 11f-24e)	191,807,168.	193,821,196.
18 Total expenses. Add lines 13-17 (must equal Part IX, column (A), line 25)	487,898,233.	539,771,698.
19 Revenue less expenses. Subtract line 18 from line 12	5,651,347.	6,545,519.
	Beginning of Current Year	End of Year
20 Total assets (Part X, line 16)	111,143,841.	132,660,064.
21 Total liabilities (Part X, line 26)	104,428,408.	128,486,818.
22 Net assets or fund balances. Subtract line 21 from line 20	6,715,433.	4,173,246.

Part II Signature Block

Under penalties of perjury, I declare that I have examined this return, including accompanying schedules and statements, and to the best of my knowledge and belief, it is true, correct, and complete. Declaration of preparer (other than officer) is based on all information of which preparer has any knowledge.

Sign Here

Signature of officer

Date

3 August 2021

Owen Barwell, CFO

Type or print name and title

Paid**Preparer****Use Only**

Print/Type preparer's name

ADAM R SMITH CPA

Preparer's signature

Adam Smith

Date

08/03/2021

Check ☐ if

self-employed

PTIN

P00958966

Firm's name ▶ BKD, LLP

Firm's EIN ▶ 44-0160260

Firm's address ▶ 111 SOUTH TEJON, SUITE 800 COLORADO SPRINGS, CO 80903-9848

Phone no. 719 471-4290

May the IRS discuss this return with the preparer shown above? (see instructions) ☒ Yes ☐ No

For Paperwork Reduction Act Notice, see the separate instructions.

Form **990** (2019)

Part III **Statement of Program Service Accomplishments**

Check if Schedule O contains a response or note to any line in this Part III ☐ Yes ☒ No

1 Briefly describe the organization's mission:

ATTACHMENT 1

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 \$ 538,758,351. including grants of \$) (Revenue \$ 30,777.)

ATTACHMENT 2

4b (Code:) (Expenses \$ including grants of \$) (Revenue \$)

4c (Code:) (Expenses \$ including grants of \$) (Revenue \$)

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

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

4e Total program service expenses ▶ 538,758,351.

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)? <i>If "Yes," complete Schedule A.</i>	1 X	
2 Is the organization required to complete <i>Schedule B, Schedule of Contributors</i> (see instructions)?	2 X	
3 Did the organization engage in direct or indirect political campaign activities on behalf of or in opposition to candidates for public office? <i>If "Yes," complete Schedule C, Part I.</i>	3	X
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? <i>If "Yes," complete Schedule C, Part II.</i>	4 X	
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? <i>If "Yes," complete Schedule C, Part III.</i>	5	X
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? <i>If "Yes," complete Schedule D, Part I.</i>	6	X
7 Did the organization receive or hold a conservation easement, including easements to preserve open space, the environment, historic land areas, or historic structures? <i>If "Yes," complete Schedule D, Part II.</i>	7	X
8 Did the organization maintain collections of works of art, historical treasures, or other similar assets? <i>If "Yes," complete Schedule D, Part III.</i>	8	X
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? <i>If "Yes," complete Schedule D, Part IV.</i>	9	X
10 Did the organization, directly or through a related organization, hold assets in donor-restricted endowments or in quasi endowments? <i>If "Yes," complete Schedule D, Part V.</i>	10	X
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? <i>If "Yes," complete Schedule D, Part VI.</i>	11a	X
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? <i>If "Yes," complete Schedule D, Part VII.</i>	11b	X
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? <i>If "Yes," complete Schedule D, Part VIII.</i>	11c	X
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? <i>If "Yes," complete Schedule D, Part IX.</i>	11d	X
e Did the organization report an amount for other liabilities in Part X, line 25? <i>If "Yes," complete Schedule D, Part X.</i>	11e X	
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)? <i>If "Yes," complete Schedule D, Part X.</i>	11f X	
12a Did the organization obtain separate, independent audited financial statements for the tax year? <i>If "Yes," complete Schedule D, Parts XI and XII.</i>	12a X	
b Was the organization included in consolidated, independent audited financial statements for the tax year? <i>If "Yes," and if the organization answered "No" to line 12a, then completing Schedule D, Parts XI and XII is optional.</i>	12b	X
13 Is the organization a school described in section 170(b)(1)(A)(ii)? <i>If "Yes," complete Schedule E.</i>	13	X
14a Did the organization maintain an office, employees, or agents outside of the United States?	14a X	
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? <i>If "Yes," complete Schedule F, Parts I and IV.</i>	14b X	
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? <i>If "Yes," complete Schedule F, Parts II and IV.</i>	15	X
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? <i>If "Yes," complete Schedule F, Parts III and IV.</i>	16	X
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? <i>If "Yes," complete Schedule G, Part I (see instructions).</i>	17	X
18 Did the organization report more than \$15,000 total of fundraising event gross income and contributions on Part VIII, lines 1c and 8a? <i>If "Yes," complete Schedule G, Part II.</i>	18	X
19 Did the organization report more than \$15,000 of gross income from gaming activities on Part VIII, line 9a? <i>If "Yes," complete Schedule G, Part III.</i>	19	X
20a Did the organization operate one or more hospital facilities? <i>If "Yes," complete Schedule H.</i>	20a	X
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? <i>If "Yes," complete Schedule I, Parts I and II.</i>	21	X

Part IV Checklist of Required Schedules (continued)

	Yes	No
22 Did the organization report more than \$5,000 of grants or other assistance to or for domestic individuals on Part IX, column (A), line 2? <i>If "Yes," complete Schedule I, Parts I and III</i>		X
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>	X	
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>		X
24b Did the organization invest any proceeds of tax-exempt bonds beyond a temporary period exception?		
24c Did the organization maintain an escrow account other than a refunding escrow at any time during the year to defease any tax-exempt bonds?		
24d Did the organization act as an "on behalf of" issuer for bonds outstanding at any time during the year?		
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>		X
25b 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>		X
26 Did the organization report any amount on Part X, line 5 or 22, for receivables from or payables to any current or former officer, director, trustee, key employee, creator or founder, substantial contributor, or 35% controlled entity or family member of any of these persons? <i>If "Yes," complete Schedule L, Part II.</i>		X
27 Did the organization provide a grant or other assistance to any current or former officer, director, trustee, key employee, creator or founder, substantial contributor or employee thereof, a grant selection committee member, or to a 35% controlled entity (including an employee thereof) or family member of any of these persons? <i>If "Yes," complete Schedule L, Part III</i>		X
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):		
28a A current or former officer, director, trustee, key employee, creator or founder, or substantial contributor? <i>If "Yes," complete Schedule L, Part IV</i>		X
28b A family member of any individual described in line 28a? <i>If "Yes," complete Schedule L, Part IV</i>		X
28c A 35% controlled entity of one or more individuals and/or organizations described in lines 28a or 28b? <i>If "Yes," complete Schedule L, Part IV</i>		X
29 Did the organization receive more than \$25,000 in non-cash contributions? <i>If "Yes," complete Schedule M</i>		X
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>		X
31 Did the organization liquidate, terminate, or dissolve and cease operations? <i>If "Yes," complete Schedule N, Part I</i>		X
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>		X
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>		X
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>		X
35a Did the organization have a controlled entity within the meaning of section 512(b)(13)?		X
35b 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>		
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>		
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>		X
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.	X	

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		
1b Enter the number of Forms W-2G included in line 1a. Enter -0- if not applicable		
1c Did the organization comply with backup withholding rules for reportable payments to vendors and reportable gaming (gambling) winnings to prize winners?		

Part V Statements Regarding Other IRS Filings and Tax Compliance (continued)

	Yes	No
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 2,866		
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).	X	
3a Did the organization have unrelated business gross income of \$1,000 or more during the year?		X
b If "Yes," has it filed a Form 990-T for this year? If "No" to line 3b, provide an explanation on Schedule O		
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)?		X
b If "Yes," enter the name of the foreign country See instructions for filing requirements for FinCEN Form 114, Report of Foreign Bank and Financial Accounts (FBAR).		
5a Was the organization a party to a prohibited tax shelter transaction at any time during the tax year?		X
b Did any taxable party notify the organization that it was or is a party to a prohibited tax shelter transaction?		X
c If "Yes" to line 5a or 5b, did the organization file Form 8886-T?		
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?		X
b If "Yes," did the organization include with every solicitation an express statement that such contributions or gifts were not tax deductible?		
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?		X
b If "Yes," did the organization notify the donor of the value of the goods or services provided?		
c Did the organization sell, exchange, or otherwise dispose of tangible personal property for which it was required to file Form 8282?		X
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?		X
f Did the organization, during the year, pay premiums, directly or indirectly, on a personal benefit contract?		X
g If the organization received a contribution of qualified intellectual property, did the organization file Form 8899 as required?		
h If the organization received a contribution of cars, boats, airplanes, or other vehicles, did the organization file a Form 1098-C?		
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?		
9 Sponsoring organizations maintaining donor advised funds.		
a Did the sponsoring organization make any taxable distributions under section 4966?		
b Did the sponsoring organization make a distribution to a donor, donor advisor, or related person?		
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.		
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?		X
b If "Yes," has it filed a Form 720 to report these payments? If "No," provide an explanation on Schedule O		
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.		X
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.		X

Part VI Governance, Management, and Disclosure For each "Yes" response to lines 2 through 7b below, and for a "No" response to line 8a, 8b, or 10b below, describe the circumstances, processes, or changes on 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	15	
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 on Schedule O.		
b Enter the number of voting members included on line 1a, above, who are independent.	15	
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?		X
3 Did the organization delegate control over management duties customarily performed by or under the direct supervision of officers, directors, trustees, or key employees to a management company or other person?		X
4 Did the organization make any significant changes to its governing documents since the prior Form 990 was filed?		X
5 Did the organization become aware during the year of a significant diversion of the organization's assets?		X
6 Did the organization have members or stockholders?	X	
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?	X	
b Are any governance decisions of the organization reserved to (or subject to approval by) members, stockholders, or persons other than the governing body?	X	
8 Did the organization contemporaneously document the meetings held or written actions undertaken during the year by the following:		
a The governing body?	X	
b Each committee with authority to act on behalf of the governing body?	X	
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 on Schedule O.		X

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?		X
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? . . .		
11a Has the organization provided a complete copy of this Form 990 to all members of its governing body before filing the form? .	X	
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	X	
b Were officers, directors, or trustees, and key employees required to disclose annually interests that could give rise to conflicts?	X	
c Did the organization regularly and consistently monitor and enforce compliance with the policy? If "Yes," describe in Schedule O how this was done	X	
13 Did the organization have a written whistleblower policy?	X	
14 Did the organization have a written document retention and destruction policy?	X	
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	X	
b Other officers or key employees of the organization	X	
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?		X
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?		

Section C. Disclosure

17 List the states with which a copy of this Form 990 is required to be filed ► CA, NY,

18 Section 6104 requires an organization to make its Forms 1023 (1024 or 1024-A, if applicable), 990, and 990-T (Section 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 on Schedule O)

19 Describe on 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 ►
 SUSAN SCRIVER 15013 DENVER WEST PARKWAY GOLDEN, CO 80401 303-275-3000

Part VII Compensation of Officers, Directors, Trustees, Key Employees, Highest Compensated Employees, and Independent ContractorsCheck if Schedule O contains a response or note to any line in this Part VII ☒ X**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, and highest compensated employees who received more than \$100,000 of reportable compensation from the organization and any related organizations.
 - List all of the organization's **former directors or trustees** that received, in the capacity as a former director or trustee of the organization, more than \$10,000 of reportable compensation from the organization and any related organizations.
- See instructions for the order in which to list the persons above.

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

(A) Name and title	(B) Average hours per week (list any hours for related organizations below dotted line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						(D) Reportable compensation from the organization (W-2/1099-MISC)	(E) Reportable compensation from related organizations (W-2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations
		Individual trustee or director	Institutional trustee	Officer	Key employee	Highest compensated employee	Former			
(1) MS. BOBI GARRETT SENIOR VICE PRESIDENT	40.00 0.			X				576,533.	0.	433,217.
(2) DR. MARTIN KELLER PRESIDENT	40.00 0.			X				696,436.	0.	90,900.
(3) DR. PETER GREEN SENIOR VICE PRESIDENT	40.00 0.			X				490,135.	0.	93,122.
(4) MR. WILLIAM FARRIS ASSOCIATE LAB DIRECTOR	40.00 0.					X		356,816.	0.	171,089.
(5) DR. WILLIAM TUMAS ASSOCIATE LAB DIRECTOR	40.00 0.					X		394,245.	0.	121,725.
(6) DR. JOHNEY GREEN ASSOCIATE LAB DIRECTOR	40.00 0.					X		393,036.	0.	83,567.
(7) MR. STEVEN SILBERGLEID SECRETARY - FORMER	0. 0.						X	403,150.	0.	63,461.
(8) MR. OWEN BARWELL CHIEF FINANCIAL OFFICER	40.00 0.			X				363,348.	0.	102,575.
(9) DR. ROBERT LELAND ASSOCIATE LAB DIRECTOR	40.00 0.					X		394,809.	0.	60,094.
(10) MR. JUAN TORRES ASSOCIATE LAB DIRECTOR	40.00 0.					X		391,767.	0.	59,585.
(11) MS. JULIE BAKER SENIOR VICE PRESIDENT	40.00 0.			X				334,208.	0.	88,764.
(12) MR. JOHN STOLPA SECRETARY	40.00 0.			X				258,138.	0.	107,614.
(13) DR. RONALD D. TOWNSEND CHAIRMAN OF THE BOARD	1.00 0.	X		X				0.	0.	0.
(14) DR. THOMAS M. SACK VICE CHAIRMAN OF THE BOARD	1.00 0.	X		X				0.	0.	0.

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

(A) Name and title	(B) Average hours per week (list any hours for related organizations below dotted line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						(D) Reportable compensation from the organization (W-2/1099-MISC)	(E) Reportable compensation from related organizations (W-2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations
		Individual trustee or director	Institutional trustee	Officer	Key employee	Highest compensated employee	Former			
(15) MR. EDWARD C. ANDERSON JR. BOARD MEMBER	1.00 0.	X						0.	0.	0.
(16) DR. ROBERT ARMSTRONG BOARD MEMBER	1.00 0.	X						0.	0.	0.
(17) DR. SALLY M. BENSON BOARD MEMBER	1.00 0.	X						0.	0.	0.
(18) MR. MARTIN CONGER BOARD MEMBER	1.00 0.	X						0.	0.	0.
(19) DR. JOHN CHRIS DETTER BOARD MEMBER	1.00 0.	X						0.	0.	0.
(20) DR. THERESA S. FIEZ BOARD MEMBER	1.00 0.	X						0.	0.	0.
(21) MR. RICHARD THOMAS FLEENER BOARD MEMBER	1.00 0.	X						0.	0.	0.
(22) MR. TODD HARRINGTON BOARD MEMBER	1.00 0.	X						0.	0.	0.
(23) DR. MICHAEL KUHLMAN BOARD MEMBER	1.00 0.	X						0.	0.	0.
(24) DR. ALAN A. RUDOLPH BOARD MEMBER	1.00 0.	X						0.	0.	0.
(25) DR. JOHN S. STANLEY BOARD MEMBER	1.00 0.	X						0.	0.	0.
1b Sub-total								5,052,621.	0.	1,475,713.
c Total from continuation sheets to Part VII, Section A								0.	0.	0.
d Total (add lines 1b and 1c)								5,052,621.	0.	1,475,713.

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 ► 1021

	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>	X	
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>	X	
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>		X

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
ATTACHMENT 3		

2 Total number of independent contractors (including but not limited to those listed above) who received more than \$100,000 in compensation from the organization ► 291

Part VIII Statement of RevenueCheck if Schedule O contains a response or note to any line in this Part VIII ☐

				(A) Total revenue	(B) Related or exempt function revenue	(C) Unrelated business revenue	(D) Revenue excluded from tax under sections 512-514
Contributions, Gifts, Grants and Other Similar Amounts	1a	Federated campaigns	1a				
	b	Membership dues	1b				
	c	Fundraising events	1c				
	d	Related organizations	1d				
	e	Government grants (contributions) . .	1e	546,285,329.			
	f	All other contributions, gifts, grants, and similar amounts not included above .	1f				
	g	Noncash contributions included in lines 1a-1f.	1g	\$			
	h	Total. Add lines 1a-1f		546,285,329.			
	Program Service Revenue	2a	Business Code				
b							
c							
d							
e							
f		All other program service revenue					
g		Total. Add lines 2a-2f		0.			
Other Revenue		3	Investment income (including dividends, interest, and other similar amounts).		1,111.		
	4	Income from investment of tax-exempt bond proceeds . .		0.			
	5	Royalties		30,777.	30,777.		
	6a	Gross rents	6a	(i) Real	(ii) Personal		
	b	Less: rental expenses	6b				
	c	Rental income or (loss)	6c				
	d	Net rental income or (loss)		0.			
	7a	Gross amount from sales of assets other than inventory	7a	(i) Securities	(ii) Other		
	b	Less: cost or other basis and sales expenses	7b				
	c	Gain or (loss)	7c				
	d	Net gain or (loss)		0.			
	8a	Gross income from fundraising events (not including \$ of contributions reported on line 1c). See Part IV, line 18	8a	0.			
	b	Less: direct expenses	8b	0.			
	c	Net income or (loss) from fundraising events.		0.			
	9a	Gross income from gaming activities. See Part IV, line 19	9a	0.			
	b	Less: direct expenses	9b	0.			
	c	Net income or (loss) from gaming activities.		0.			
10a	Gross sales of inventory, less returns and allowances	10a	0.				
b	Less: cost of goods sold	10b	0.				
c	Net income or (loss) from sales of inventory.		0.				
Miscellaneous Revenue	11a	Business Code					
	b						
	c						
	d	All other revenue					
	e	Total. Add lines 11a-11d		0.			
	12	Total revenue. See instructions		546,317,217.	30,777.		1,111.

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.			
2 Grants and other assistance to domestic individuals. See Part IV, line 22	0.			
3 Grants and other assistance to foreign organizations, foreign governments, and foreign individuals. See Part IV, lines 15 and 16	0.			
4 Benefits paid to or for members	0.			
5 Compensation of current officers, directors, trustees, and key employees	2,417,879.	1,933,203.	484,676.	
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	266,274,456.	266,274,456.		
8 Pension plan accruals and contributions (include section 401(k) and 403(b) employer contributions)	33,016,739.	33,016,739.		
9 Other employee benefits	25,928,595.	25,928,595.		
10 Payroll taxes	18,312,833.	18,312,833.		
11 Fees for services (nonemployees):				
a Management	0.			
b Legal	767,058.	767,058.		
c Accounting	251,984.	251,984.		
d Lobbying	0.			
e Professional fundraising services. See Part IV, line 17	0.			
f Investment management fees	0.			
g Other. (If line 11g amount exceeds 10% of line 25, column (A) amount, list line 11g expenses on Schedule O.)	9,031,463.	8,796,892.	234,571.	
12 Advertising and promotion	0.			
13 Office expenses	2,534,755.	2,309,478.	225,277.	
14 Information technology	16,668,075.	16,668,075.		
15 Royalties	95,779.	95,779.		
16 Occupancy	6,803,347.	6,803,347.		
17 Travel	3,560,962.	3,559,307.	1,655.	
18 Payments of travel or entertainment expenses for any federal, state, or local public officials	0.			
19 Conferences, conventions, and meetings	3,610,698.	3,610,698.		
20 Interest	391,246.	391,044.	202.	
21 Payments to affiliates	0.			
22 Depreciation, depletion, and amortization	0.			
23 Insurance	228,337.	228,337.		
24 Other expenses. Itemize expenses not covered above (List miscellaneous expenses on line 24e. If line 24e amount exceeds 10% of line 25, column (A) amount, list line 24e expenses on Schedule O.)				
a LAB EQUIPMENT AND SUPPLIES	32,527,929.	32,527,929.		
b MAINTENANCE AND REPAIR	19,137,476.	19,137,476.		
c DUES AND SUBSCRIPTIONS	4,049,211.	4,049,211.		
d SUBCONTRACTS	94,162,876.	94,095,910.	66,966.	
e All other expenses				
25 Total functional expenses. Add lines 1 through 24e	539,771,698.	538,758,351.	1,013,347.	
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)	0.			

Part X Balance SheetCheck if Schedule O contains a response or note to any line in this Part X ☐

		(A) Beginning of year		(B) End of year	
Assets	1	Cash - non-interest-bearing	880,347.	1	5,650,215.
	2	Savings and temporary cash investments.	4,490,178.	2	0.
	3	Pledges and grants receivable, net	0.	3	0.
	4	Accounts receivable, net.	97,857,140.	4	118,429,649.
	5	Loans and other receivables from any current or former officer, director, trustee, key employee, creator or founder, substantial contributor, or 35% controlled entity or family member of any of these persons	0.	5	0.
	6	Loans and other receivables from other disqualified persons (as defined under section 4958(f)(1)), and persons described in section 4958(c)(3)(B).	0.	6	0.
	7	Notes and loans receivable, net	0.	7	0.
	8	Inventories for sale or use	0.	8	144,385.
	9	Prepaid expenses and deferred charges	7,570,706.	9	8,177,977.
	10a	Land, buildings, and equipment: cost or other basis. Complete Part VI of Schedule D	10a		
	b	Less: accumulated depreciation.	10b		
	11	Investments - publicly traded securities.	0.	11	0.
	12	Investments - other securities. See Part IV, line 11.	0.	12	0.
	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	345,470.	15	257,838.
16	Total assets. Add lines 1 through 15 (must equal line 33)	111,143,841.	16	132,660,064.	
Liabilities	17	Accounts payable and accrued expenses.	74,628,274.	17	89,852,911.
	18	Grants payable	0.	18	0.
	19	Deferred revenue.	505,047.	19	0.
	20	Tax-exempt bond liabilities.	0.	20	0.
	21	Escrow or custodial account liability. Complete Part IV of Schedule D.	0.	21	0.
	22	Loans and other payables to any current or former officer, director, trustee, key employee, creator or founder, substantial contributor, or 35% controlled entity or family member of any of these persons	0.	22	0.
	23	Secured mortgages and notes payable to unrelated third parties	0.	23	0.
	24	Unsecured notes and loans payable to unrelated third parties.	0.	24	0.
	25	Other liabilities (including federal income tax, payables to related third parties, and other liabilities not included on lines 17-24). Complete Part X of Schedule D	29,295,087.	25	38,633,907.
	26	Total liabilities. Add lines 17 through 25.	104,428,408.	26	128,486,818.
Net Assets or Fund Balances		Organizations that follow FASB ASC 958, check here <input checked="" type="checkbox"/> and complete lines 27, 28, 32, and 33.			
	27	Net assets without donor restrictions	4,047,644.	27	4,173,246.
	28	Net assets with donor restrictions.	2,667,789.	28	0.
		Organizations that do not follow FASB ASC 958, check here <input type="checkbox"/> and complete lines 29 through 33.			
	29	Capital stock or trust principal, or current funds		29	
	30	Paid-in or capital surplus, or land, building, or equipment fund.		30	
	31	Retained earnings, endowment, accumulated income, or other funds.		31	
	32	Total net assets or fund balances	6,715,433.	32	4,173,246.
	33	Total liabilities and net assets/fund balances.	111,143,841.	33	132,660,064.

Form 990 (2019)

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	546,317,217.
2	Total expenses (must equal Part IX, column (A), line 25)	2	539,771,698.
3	Revenue less expenses. Subtract line 2 from line 1	3	6,545,519.
4	Net assets or fund balances at beginning of year (must equal Part X, line 32, column (A))	4	6,715,433.
5	Net unrealized gains (losses) on investments	5	0.
6	Donated services and use of facilities	6	0.
7	Investment expenses	7	0.
8	Prior period adjustments	8	-2,667,789.
9	Other changes in net assets or fund balances (explain on Schedule O)	9	-6,419,917.
10	Net assets or fund balances at end of year. Combine lines 3 through 9 (must equal Part X, line 32, column (B))	10	4,173,246.

Part XII Financial Statements and ReportingCheck if Schedule O contains a response or note to any line in this Part XII. ☐

- 1 Accounting method used to prepare the Form 990: ☐ Cash ☒ Accrual ☐ 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:
☐ Separate basis ☐ Consolidated basis ☐ Both consolidated and separate basis
- 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:
☒ Separate basis ☐ Consolidated basis ☐ Both consolidated and separate basis
- 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 on Schedule O.
- 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?
- 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 on Schedule O and describe any steps taken to undergo such audits . . .

	Yes	No
2a		X
2b	X	
2c	X	
3a		X
3b		

Form 990 (2019)

SCHEDULE A
(Form 990 or 990-EZ)Department of the Treasury
Internal Revenue Service**Public Charity Status and Public Support**

Complete if the organization is a section 501(c)(3) organization or a section 4947(a)(1) nonexempt charitable trust.

▶ Attach to Form 990 or Form 990-EZ.

▶ Go to www.irs.gov/Form990 for instructions and the latest information.

OMB No. 1545-0047

2019**Open to Public
Inspection****Name of the organization**

ALLIANCE FOR SUSTAINABLE ENERGY, LLC

Employer identification number

26-1939342

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 **section 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		
(A)						
(B)						
(C)						
(D)						
(E)						
Total						

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

Schedule A (Form 990 or 990-EZ) 2019

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

Calendar year (or fiscal year beginning in) ►	(a) 2015	(b) 2016	(c) 2017	(d) 2018	(e) 2019	(f) Total
1 Gifts, grants, contributions, and membership fees received. (Do not include any "unusual grants.")	387,495,321.	384,266,251.	411,299,186.	493,545,097.	546,285,329.	2,222,891,184.
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.	387,495,321.	384,266,251.	411,299,186.	493,545,097.	546,285,329.	2,222,891,184.
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).						0.
6 Public support. Subtract line 5 from line 4						2,222,891,184.

Section B. Total Support

Calendar year (or fiscal year beginning in) ►	(a) 2015	(b) 2016	(c) 2017	(d) 2018	(e) 2019	(f) Total
7 Amounts from line 4.	387,495,321.	384,266,251.	411,299,186.	493,545,097.	546,285,329.	2,222,891,184.
8 Gross income from interest, dividends, payments received on securities loans, rents, royalties, and income from similar sources	798.	835.	1,633.	4,483.	31,888.	39,637.
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.)						0.
11 Total support. Add lines 7 through 10						2,222,930,821.
12 Gross receipts from related activities, etc. (see instructions)					12	
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 2019 (line 6, column (f) divided by line 11, column (f)).	14	100.00 %
15 Public support percentage from 2018 Schedule A, Part II, line 14	15	100.00 %
16a 33 1/3% support test - 2019. If the organization did not check the box on line 13, and line 14 is 33 1/3% or more, check this box and stop here . The organization qualifies as a publicly supported organization.		<input checked="" type="checkbox"/>
b 33 1/3% support test - 2018. If the organization did not check a box on line 13 or 16a, and line 15 is 33 1/3% or more, check this box and stop here . The organization qualifies as a publicly supported organization		<input type="checkbox"/>
17a 10%-facts-and-circumstances test - 2019. If the organization did not check a box on line 13, 16a, or 16b, and line 14 is 10% or more, and if the organization meets the "facts-and-circumstances" test, check this box and stop here . Explain in Part VI how the organization meets the "facts-and-circumstances" test. The organization qualifies as a publicly supported organization.		<input type="checkbox"/>
b 10%-facts-and-circumstances test - 2018. If the organization did not check a box on line 13, 16a, 16b, or 17a, and line 15 is 10% or more, and if the organization meets the "facts-and-circumstances" test, check this box and stop here . Explain in Part VI how the organization meets the "facts-and-circumstances" test. The organization qualifies as a publicly supported organization		<input type="checkbox"/>
18 Private foundation. If the organization did not check a box on line 13, 16a, 16b, 17a, or 17b, check this box and see instructions		<input type="checkbox"/>

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

Section B. Total Support

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

Section C. Computation of Public Support Percentage

15 Public support percentage for 2019 (line 8, column (f), divided by line 13, column (f))	15	%
16 Public support percentage from 2018 Schedule A, Part III, line 15	16	%

Section D. Computation of Investment Income Percentage

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

Part IV Supporting Organizations

(Complete only if you checked a box in line 12 on 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>		
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>		
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>		
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>		
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>		
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>		
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>		
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>		
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>		
b Type I or Type II only. Was any added or substituted supported organization part of a class already designated in the organization's organizing document?		
c Substitutions only. Was the substitution the result of an event beyond the organization's control?		
6 Did the organization provide support (whether in the form of grants or the provision of services or facilities) to anyone other than (i) its supported organizations, (ii) individuals that are part of the charitable class benefited by one or more of its supported organizations, or (iii) other supporting organizations that also support or benefit one or more of the filing organization's supported organizations? <i>If "Yes," provide detail in Part VI.</i>		
7 Did the organization provide a grant, loan, compensation, or other similar payment to a substantial contributor (as 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>		
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>		
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>		
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>		
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>		
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 10b below.</i>		
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>		

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

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

Section A - Adjusted Net Income		(A) Prior Year	(B) Current Year (optional)
1 Net short-term capital gain	1		
2 Recoveries of prior-year distributions	2		
3 Other gross income (see instructions)	3		
4 Add lines 1 through 3.	4		
5 Depreciation and depletion	5		
6 Portion of operating expenses paid or incurred for production or collection of gross income or for management, conservation, or maintenance of property held for production of income (see instructions)	6		
7 Other expenses (see instructions)	7		
8 Adjusted Net Income (subtract lines 5, 6, and 7 from line 4)	8		
Section B - Minimum Asset Amount		(A) Prior Year	(B) Current Year (optional)
1 Aggregate fair market value of all non-exempt-use assets (see instructions for short tax year or assets held for part of year):			
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 <input type="checkbox"/> Check here if the current year is the organization's first as a non-functionally integrated Type III supporting organization (see instructions).			

Schedule A (Form 990 or 990-EZ) 2019

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

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

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

Schedule A (Form 990 or 990-EZ) 2019

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

Schedule B(Form 990, 990-EZ,
or 990-PF)Department of the Treasury
Internal Revenue Service**Schedule of Contributors**▶ **Attach to Form 990, Form 990-EZ, or Form 990-PF.**
▶ **Go to www.irs.gov/Form990 for the latest information.**

OMB No. 1545-0047

2019

Name of the organization

ALLIANCE FOR SUSTAINABLE ENERGY, LLC

Employer identification number

26-1939342

Organization type (check one):**Filers of:****Section:**

Form 990 or 990-EZ

☒ 501(c)(3) (enter number) organization☐ 4947(a)(1) nonexempt charitable trust **not** treated as a private foundation☐ 527 political organization

Form 990-PF

☐ 501(c)(3) exempt private foundation☐ 4947(a)(1) nonexempt charitable trust treated as a private foundation☐ 501(c)(3) taxable private foundationCheck if your organization is covered by the **General Rule** or a **Special Rule**.**Note:** Only a section 501(c)(7), (8), or (10) organization can check boxes for both the General Rule and a Special Rule. See instructions.**General Rule**

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

Special Rules

- ☒ For an organization described in section 501(c)(3) filing Form 990 or 990-EZ that met the 33 1/3% support test of the regulations under sections 509(a)(1) and 170(b)(1)(A)(vi), that checked Schedule A (Form 990 or 990-EZ), Part II, line 13, 16a, or 16b, and that received from any one contributor, during the year, total contributions of the greater of **(1)** \$5,000; or **(2)** 2% of the amount on (i) Form 990, Part VIII, line 1h; or (ii) Form 990-EZ, line 1. Complete Parts I and II.
- ☐ For an organization described in section 501(c)(7), (8), or (10) filing Form 990 or 990-EZ that received from any one contributor, during the year, total contributions of more than \$1,000 *exclusively* for religious, charitable, scientific, literary, or educational purposes, or for the prevention of cruelty to children or animals. Complete Parts I, II, and III.
- ☐ For an organization described in section 501(c)(7), (8), or (10) filing Form 990 or 990-EZ that received from any one contributor, during the year, contributions *exclusively* for religious, charitable, etc., purposes, but no such contributions totaled more than \$1,000. If this box is checked, enter here the total contributions that were received during the year for an *exclusively* religious, charitable, etc., purpose. Don't complete any of the parts unless the **General Rule** applies to this organization because it received *nonexclusively* religious, charitable, etc., contributions totaling \$5,000 or more during the year ▶ \$ _____

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

For Paperwork Reduction Act Notice, see the instructions for Form 990, 990-EZ, or 990-PF.

Schedule B (Form 990, 990-EZ, or 990-PF) (2019)

JSA

9E1251 1.000

Name of organization **ALLIANCE FOR SUSTAINABLE ENERGY, LLC**Employer identification number
26-1939342**Part I** **Contributors** (see instructions). Use duplicate copies of Part I if additional space is needed.

(a) No.	(b) Name, address, and ZIP + 4	(c) Total contributions	(d) Type of contribution
1		\$ 546,285,329.	Person <input checked="checked" type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions.)
		\$	Person <input type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions.)
		\$	Person <input type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions.)
		\$	Person <input type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions.)
		\$	Person <input type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions.)
		\$	Person <input type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions.)
		\$	Person <input type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions.)

Name of organization **ALLIANCE FOR SUSTAINABLE ENERGY, LLC****Employer identification number**

26-1939342

Part II **Noncash Property** (see instructions). Use duplicate copies of Part II if additional space is needed.

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

Name of organization **ALLIANCE FOR SUSTAINABLE ENERGY, LLC**

Employer identification number

26-1939342

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

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

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

SCHEDULE C
(Form 990 or 990-EZ)Department of the Treasury
Internal Revenue Service**Political Campaign and Lobbying Activities****For Organizations Exempt From Income Tax Under section 501(c) and section 527**

- ▶ **Complete if the organization is described below.** ▶ **Attach to Form 990 or Form 990-EZ.**
 ▶ **Go to www.irs.gov/Form990 for instructions and the latest information.**

OMB No. 1545-0047

2019**Open to Public Inspection****If the organization answered "Yes," on Form 990, Part IV, line 3, or Form 990-EZ, Part V, line 46 (Political Campaign Activities), then**

- Section 501(c)(3) organizations: Complete Parts I-A and B. Do not complete Part I-C.
- Section 501(c) (other than section 501(c)(3)) organizations: Complete Parts I-A and C below. Do not complete Part I-B.
- Section 527 organizations: Complete Part I-A only.

If the organization answered "Yes," on Form 990, Part IV, line 4, or Form 990-EZ, Part VI, line 47 (Lobbying Activities), then

- Section 501(c)(3) organizations that have filed Form 5768 (election under section 501(h)): Complete Part II-A. Do not complete Part II-B.
- Section 501(c)(3) organizations that have NOT filed Form 5768 (election under section 501(h)): Complete Part II-B. Do not complete Part II-A.

If the organization answered "Yes," on Form 990, Part IV, line 5 (Proxy Tax) (see separate instructions) or Form 990-EZ, Part V, line 35c (Proxy Tax) (see separate instructions), then

- Section 501(c)(4), (5), or (6) organizations: Complete Part III.

Name of organization ALLIANCE FOR SUSTAINABLE ENERGY, LLC	Employer identification number 26-1939342
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Part I-A Complete if the organization is exempt under section 501(c) or is a section 527 organization.

- 1 Provide a description of the organization's direct and indirect political campaign activities in Part IV. (see instructions for definition of "political campaign activities")
- 2 Political campaign activity expenditures (see instructions) ▶ \$ _____
- 3 Volunteer hours for political campaign activities (see instructions)

Part I-B Complete if the organization is exempt under section 501(c)(3).

- 1 Enter the amount of any excise tax incurred by the organization under section 4955. ▶ \$ _____
- 2 Enter the amount of any excise tax incurred by organization managers under section 4955 ▶ \$ _____
- 3 If the organization incurred a section 4955 tax, did it file Form 4720 for this year? ☐ Yes ☐ No
- 4a Was a correction made? ☐ Yes ☐ No
- b If "Yes," describe in Part IV.

Part I-C Complete if the organization is exempt under section 501(c), except section 501(c)(3).

- 1 Enter the amount directly expended by the filing organization for section 527 exempt function activities. ▶ \$ _____
- 2 Enter the amount of the filing organization's funds contributed to other organizations for section 527 exempt function activities. ▶ \$ _____
- 3 Total exempt function expenditures. Add lines 1 and 2. Enter here and on Form 1120-POL, line 17b ▶ \$ _____
- 4 Did the filing organization file **Form 1120-POL** for this year? ☐ Yes ☐ No
- 5 Enter the names, addresses and employer identification number (EIN) of all section 527 political organizations to which the filing organization made payments. For each organization listed, enter the amount paid from the filing organization's funds. Also enter the amount of political contributions received that were promptly and directly delivered to a separate political organization, such as a separate segregated fund or a political action committee (PAC). If additional space is needed, provide information in Part IV.

(a) Name	(b) Address	(c) EIN	(d) Amount paid from filing organization's funds. If none, enter -0-.	(e) Amount of political contributions received and promptly and directly delivered to a separate political organization. If none, enter -0-.
(1)				
(2)				
(3)				
(4)				
(5)				
(6)				

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

Schedule C (Form 990 or 990-EZ) 2019

Part II-A Complete if the organization is exempt under section 501(c)(3) and filed Form 5768 (election under section 501(h)).**A** Check ☐ if the filing organization belongs to an affiliated group (and list in Part IV each affiliated group member's name, address, EIN, expenses, and share of excess lobbying expenditures).**B** Check ☐ if the filing organization checked box A and "limited control" provisions apply.

Limits on Lobbying Expenditures (The term "expenditures" means amounts paid or incurred.)		(a) Filing organization's totals	(b) Affiliated group totals												
1a Total lobbying expenditures to influence public opinion (grassroots lobbying)															
b Total lobbying expenditures to influence a legislative body (direct lobbying)															
c Total lobbying expenditures (add lines 1a and 1b)															
d Other exempt purpose expenditures		539,771,698.													
e Total exempt purpose expenditures (add lines 1c and 1d)		539,771,698.													
f Lobbying nontaxable amount. Enter the amount from the following table in both columns.		1,000,000.													
<table border="1"> <thead> <tr> <th>If the amount on line 1e, column (a) or (b) is:</th> <th>The lobbying nontaxable amount is:</th> </tr> </thead> <tbody> <tr> <td>Not over \$500,000</td> <td>20% of the amount on line 1e.</td> </tr> <tr> <td>Over \$500,000 but not over \$1,000,000</td> <td>\$100,000 plus 15% of the excess over \$500,000.</td> </tr> <tr> <td>Over \$1,000,000 but not over \$1,500,000</td> <td>\$175,000 plus 10% of the excess over \$1,000,000.</td> </tr> <tr> <td>Over \$1,500,000 but not over \$17,000,000</td> <td>\$225,000 plus 5% of the excess over \$1,500,000.</td> </tr> <tr> <td>Over \$17,000,000</td> <td>\$1,000,000.</td> </tr> </tbody> </table>		If the amount on line 1e, column (a) or (b) is:	The lobbying nontaxable amount is:	Not over \$500,000	20% of the amount on line 1e.	Over \$500,000 but not over \$1,000,000	\$100,000 plus 15% of the excess over \$500,000.	Over \$1,000,000 but not over \$1,500,000	\$175,000 plus 10% of the excess over \$1,000,000.	Over \$1,500,000 but not over \$17,000,000	\$225,000 plus 5% of the excess over \$1,500,000.	Over \$17,000,000	\$1,000,000.		
If the amount on line 1e, column (a) or (b) is:	The lobbying nontaxable amount is:														
Not over \$500,000	20% of the amount on line 1e.														
Over \$500,000 but not over \$1,000,000	\$100,000 plus 15% of the excess over \$500,000.														
Over \$1,000,000 but not over \$1,500,000	\$175,000 plus 10% of the excess over \$1,000,000.														
Over \$1,500,000 but not over \$17,000,000	\$225,000 plus 5% of the excess over \$1,500,000.														
Over \$17,000,000	\$1,000,000.														
g Grassroots nontaxable amount (enter 25% of line 1f)		250,000.													
h Subtract line 1g from line 1a. If zero or less, enter -0-		0.	0.												
i Subtract line 1f from line 1c. If zero or less, enter -0-		0.	0.												
j If there is an amount other than zero on either line 1h or line 1i, did the organization file Form 4720 reporting section 4911 tax for this year?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No												

4-Year Averaging Period Under Section 501(h)

(Some organizations that made a section 501(h) election do not have to complete all of the five columns below.

See the separate instructions for lines 2a through 2f.)

Lobbying Expenditures During 4-Year Averaging Period					
Calendar year (or fiscal year beginning in)	(a) 2016	(b) 2017	(c) 2018	(d) 2019	(e) Total
2a Lobbying nontaxable amount	1,000,000.	1,000,000.	1,000,000.	1,000,000.	4,000,000.
b Lobbying ceiling amount (150% of line 2a, column (e))					6,000,000.
c Total lobbying expenditures					
d Grassroots nontaxable amount	250,000.	250,000.	250,000.	250,000.	1,000,000.
e Grassroots ceiling amount (150% of line 2d, column (e))					1,500,000.
f Grassroots lobbying expenditures					

Schedule C (Form 990 or 990-EZ) 2019

Part II-B Complete if the organization is exempt under section 501(c)(3) and has NOT filed Form 5768 (election under section 501(h)).

For each "Yes," response on lines 1a through 1i below, provide in Part IV a detailed description of the lobbying activity.	(a)		(b)
	Yes	No	Amount
1 During the year, did the filing organization attempt to influence foreign, national, state, or local legislation, including any attempt to influence public opinion on a legislative matter or referendum, through the use of:			
a Volunteers?			
b Paid staff or management (include compensation in expenses reported on lines 1c through 1i)?			
c Media advertisements?			
d Mailings to members, legislators, or the public?			
e Publications, or published or broadcast statements?			
f Grants to other organizations for lobbying purposes?			
g Direct contact with legislators, their staffs, government officials, or a legislative body?			
h Rallies, demonstrations, seminars, conventions, speeches, lectures, or any similar means?			
i Other activities?			
j Total. Add lines 1c through 1i			
2a Did the activities in line 1 cause the organization to be not described in section 501(c)(3)?			
b If "Yes," enter the amount of any tax incurred under section 4912			
c If "Yes," enter the amount of any tax incurred by organization managers under section 4912			
d If the filing organization incurred a section 4912 tax, did it file Form 4720 for this year?			

Part III-A Complete if the organization is exempt under section 501(c)(4), section 501(c)(5), or section 501(c)(6).

	Yes	No
1 Were substantially all (90% or more) dues received nondeductible by members?	1	
2 Did the organization make only in-house lobbying expenditures of \$2,000 or less?	2	
3 Did the organization agree to carry over lobbying and political campaign activity expenditures from the prior year?	3	

Part III-B Complete if the organization is exempt under section 501(c)(4), section 501(c)(5), or section 501(c)(6) and if either (a) BOTH Part III-A, lines 1 and 2, are answered "No" OR (b) Part III-A, line 3, is answered "Yes."

1 Dues, assessments and similar amounts from members	1	
2 Section 162(e) nondeductible lobbying and political expenditures (do not include amounts of political expenses for which the section 527(f) tax was paid).		
a Current year	2a	
b Carryover from last year	2b	
c Total	2c	
3 Aggregate amount reported in section 6033(e)(1)(A) notices of nondeductible section 162(e) dues	3	
4 If notices were sent and the amount on line 2c exceeds the amount on line 3, what portion of the excess does the organization agree to carryover to the reasonable estimate of nondeductible lobbying and political expenditure next year?	4	
5 Taxable amount of lobbying and political expenditures (see instructions)	5	

Part IV Supplemental Information

Provide the descriptions required for Part I-A, line 1; Part I-B, line 4; Part I-C, line 5; Part II-A (affiliated group list); Part II-A, lines 1 and 2 (see instructions); and Part II-B, line 1. Also, complete this part for any additional information.

Part IV Supplemental Information *(continued)*

**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 instructions and the latest information.

OMB No. 1545-0047

2019**Open to Public
Inspection**

Name of the organization

ALLIANCE FOR SUSTAINABLE ENERGY, LLC

Employer identification number

26-1939342

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?		<input type="checkbox"/> Yes <input type="checkbox"/> 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?		<input type="checkbox"/> Yes <input type="checkbox"/> 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).

<input type="checkbox"/> Preservation of land for public use (for example, recreation or education)	<input type="checkbox"/> Preservation of a historically important land area
<input type="checkbox"/> Protection of natural habitat	<input type="checkbox"/> Preservation of a certified historic structure
<input type="checkbox"/> 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 Tax 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 FASB 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 FASB ASC 958, to report in its revenue statement and balance sheet works of art, historical treasures, or other similar assets held for public exhibition, education, or research in furtherance of public service, provide the following amounts relating to these items:

(i) Revenue included on Form 990, Part VIII, line 1. ▶ \$ _____

(ii) Assets included in Form 990, Part X. ▶ \$ _____

2 If the organization received or held works of art, historical treasures, or other similar assets for financial gain, provide the following amounts required to be reported under FASB ASC 958 relating to these items:

a Revenue included on Form 990, Part VIII, line 1. ▶ \$ _____

b Assets included in Form 990, Part X. ▶ \$ _____

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

Schedule D (Form 990) 2019

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 make significant use of its collection items (check all that apply):
- a** ☐ Public exhibition **d** ☐ Loan or exchange program
- b** ☐ Scholarly research **e** ☐ Other _____
- c** ☐ Preservation for future generations
- 4** Provide a description of the organization's collections and explain how they further the organization's exempt purpose in Part XIII.
- 5** During the year, did the organization solicit or receive donations of art, historical treasures, or other similar assets to be sold to raise funds rather than to be maintained as part of the organization's collection? ☐ **Yes** ☐ **No**

Part IV Escrow and Custodial Arrangements.

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

- 1a** Is the organization an agent, trustee, custodian or other intermediary for contributions or other assets not included on Form 990, Part X? ☐ **Yes** ☐ **No**
- b** If "Yes," explain the arrangement in Part XIII and complete the following table:
- | | Amount |
|--|-----------|
| c Beginning balance | 1c |
| d Additions during the year | 1d |
| e Distributions during the year | 1e |
| f Ending balance | 1f |
- 2a** Did the organization include an amount on Form 990, Part X, line 21, for escrow or custodial account liability? ☐ **Yes** ☐ **No**
- b** If "Yes," explain the arrangement in Part XIII. Check here if the explanation has been provided on 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 | | | | | |
| b Contributions | | | | | |
| c Net investment earnings, gains, and losses | | | | | |
| d Grants or scholarships | | | | | |
| e Other expenditures for facilities and programs | | | | | |
| f Administrative expenses | | | | | |
| g End of year balance | | | | | |
- 2** Provide the estimated percentage of the current year end balance (line 1g, column (a)) held as:
- a** Board designated or quasi-endowment ▶ _____ %
- b** Permanent endowment ▶ _____ %
- c** Term endowment ▶ _____ %
- The percentages on lines 2a, 2b, and 2c should equal 100%.
- 3a** Are there endowment funds not in the possession of the organization that are held and administered for the organization by:
- | | Yes | No |
|---|---------------|----|
| (i) Unrelated organizations | 3a(i) | |
| (ii) Related organizations | 3a(ii) | |
| b If "Yes" on line 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				
b Buildings				
c Leasehold improvements				
d Equipment				
e Other				
Total. Add lines 1a through 1e. (Column (d) must equal Form 990, Part X, column (B), line 10c.) ▶				

Part VII Investments - Other Securities.

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

(a) Description of security or category (including name of security)	(b) Book value	(c) Method of valuation: Cost or end-of-year market value
(1) Financial derivatives		
(2) Closely held equity interests		
(3) Other _____		
(A) _____		
(B) _____		
(C) _____		
(D) _____		
(E) _____		
(F) _____		
(G) _____		
(H) _____		
Total. (Column (b) must equal Form 990, Part X, col. (B) line 12.) . ▶		

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.

1. (a) Description of liability	(b) Book value
(1) Federal income taxes	
(2) ADVANCES	38,633,907.
(3) _____	
(4) _____	
(5) _____	
(6) _____	
(7) _____	
(8) _____	
(9) _____	
Total. (Column (b) must equal Form 990, Part X, col. (B) line 25.) ▶	

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 FASB 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	546,317,217.
2	Amounts included on line 1 but not on Form 990, Part VIII, line 12:			
a	Net unrealized gains (losses) on investments	2a		
b	Donated services and use of facilities	2b		
c	Recoveries of prior year grants	2c		
d	Other (Describe in Part XIII.)	2d		
e	Add lines 2a through 2d	2e		
3	Subtract line 2e from line 1	3		546,317,217.
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		
b	Other (Describe in Part XIII.)	4b		
c	Add lines 4a and 4b	4c		
5	Total revenue. Add lines 3 and 4c. (This must equal Form 990, Part I, line 12.)	5		546,317,217.

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	539,771,698.
2	Amounts included on line 1 but not on Form 990, Part IX, line 25:			
a	Donated services and use of facilities	2a		
b	Prior year adjustments	2b		
c	Other losses	2c		
d	Other (Describe in Part XIII.)	2d		
e	Add lines 2a through 2d	2e		
3	Subtract line 2e from line 1	3		539,771,698.
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		
b	Other (Describe in Part XIII.)	4b		
c	Add lines 4a and 4b	4c		
5	Total expenses. Add lines 3 and 4c. (This must equal Form 990, Part I, line 18.)	5		539,771,698.

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.

SCHEDULE D, PART X, LINE 2

UNCERTAIN TAX POSITIONS:

MANAGEMENT HAS EVALUATED THEIR INCOME TAX POSITIONS UNDER THE GUIDANCE

INCLUDED IN ASC 740. BASED ON THEIR REVIEW, MANAGEMENT HAS NOT IDENTIFIED

ANY MATERIAL UNCERTAIN TAX POSITIONS TO BE RECORDED OR DISCLOSED IN THE

FINANCIAL STATEMENTS.

Part XIII Supplemental Information *(continued)*

**SCHEDULE F
(Form 990)****Statement of Activities Outside the United States**

OMB No. 1545-0047

2019**Open to Public
Inspection**Department of the Treasury
Internal Revenue Service

▶ Complete if the organization answered "Yes" on Form 990, Part IV, line 14b, 15, or 16.

▶ Attach to Form 990.

▶ Go to www.irs.gov/Form990 for instructions and the latest information.

Name of the organization

ALLIANCE FOR SUSTAINABLE ENERGY, LLC

Employer identification number

26-1939342

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

- 1 For grantmakers.** Does the organization maintain records to substantiate the amount of its grants 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 the region	(d) Activities conducted in the region (by type) (such as, fundraising, program services, investments, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in the region	(f) Total expenditures for and investments in the region
(1) EAST ASIA AND THE PACIFIC	0.	1.	PROGRAM SERVICES	SEE ATTACHED	26,486.
(2) EUROPE (INCLUDING ICELAND AND	0.	4.	PROGRAM SERVICES	SEE ATTACHED	471,711.
(3)					
(4)					
(5)					
(6)					
(7)					
(8)					
(9)					
(10)					
(11)					
(12)					
(13)					
(14)					
(15)					
(16)					
(17)					
3a Subtotal		5.			498,197.
b Total from continuation sheets to Part I					
c Totals (add lines 3a and 3b)		5.			498,197.

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

Schedule F (Form 990) 2019

Part II **Grants and Other Assistance to Organizations or Entities Outside the United States.** Complete if the organization answered "Yes" on 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 noncash assistance	(h) Description of noncash assistance	(i) Method of valuation (book, FMV, appraisal, other)
(1)									
(2)									
(3)									
(4)									
(5)									
(6)									
(7)									
(8)									
(9)									
(10)									
(11)									
(12)									
(13)									
(14)									
(15)									
(16)									

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" on Form 990, Part IV, line 16.
Part III can be duplicated if additional space is needed.

(a) Type of grant or assistance	(b) Region	(c) Number of recipients	(d) Amount of cash grant	(e) Manner of cash disbursement	(f) Amount of noncash assistance	(g) Description of noncash assistance	(h) Method of valuation (book, FMV, appraisal, other)
(1)							
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							
(11)							
(12)							
(13)							
(14)							
(15)							
(16)							
(17)							
(18)							

Part IV Foreign Forms

- 1** Was the organization a U.S. transferor of property to a foreign corporation during the tax year? *If "Yes," the organization may be required to file Form 926, Return by a U.S. Transferor of Property to a Foreign Corporation (see Instructions for Form 926)* ☐ **Yes** ☒ **No**
- 2** Did the organization have an interest in a foreign trust during the tax year? *If "Yes," the organization may be required to separately file Form 3520, Annual Return To Report Transactions With Foreign Trusts and Receipt of Certain Foreign Gifts, and/or Form 3520-A, Annual Information Return of Foreign Trust With a U.S. Owner (see Instructions for Forms 3520 and 3520-A; don't file with Form 990)* ☐ **Yes** ☒ **No**
- 3** Did the organization have an ownership interest in a foreign corporation during the tax year? *If "Yes," the organization may be required to file Form 5471, Information Return of U.S. Persons With Respect to Certain Foreign Corporations (see Instructions for Form 5471)* ☐ **Yes** ☒ **No**
- 4** Was the organization a direct or indirect shareholder of a passive foreign investment company or a qualified electing fund during the tax year? *If "Yes," the organization may be required to file Form 8621, Information Return by a Shareholder of a Passive Foreign Investment Company or Qualified Electing Fund (see Instructions for Form 8621)* ☐ **Yes** ☒ **No**
- 5** Did the organization have an ownership interest in a foreign partnership during the tax year? *If "Yes," the organization may be required to file Form 8865, Return of U.S. Persons With Respect to Certain Foreign Partnerships (see Instructions for Form 8865)* ☐ **Yes** ☒ **No**
- 6** Did the organization have any operations in or related to any boycotting countries during the tax year? *If "Yes," the organization may be required to separately file Form 5713, International Boycott Report (see Instructions for Form 5713; don't file with Form 990)* ☐ **Yes** ☒ **No**

Schedule F (Form 990) 2019

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).

SCHEDULE F, PART I, LINE 3

DESCRIPTION OF EXPENDITURES IN REGION:

EAST ASIA AND THE PACIFIC:

ONE EMPLOYEE IN COLLABORATION WITH AN INTERNATIONALLY RECOGNIZED SCIENTIST IN THE FIELD OF SOLAR CELLS THAT INCORPORATE QUANTUM NANOSTRUCTURES THAT COMPLEMENTS OUR CORE SETO-FUNDED RESEARCH AT NREL TARGETING A 33% TWO-JUNCTION CELL EFFICIENCY, AND HAS APPLICATIONS TO OTHER PROJECTS FUNDED BY THE DEPARTMENT OF ENERGY.

EUROPE:

ONE EMPLOYEE WORKING IN SPAIN ON EFFECTIVE INTEGRATION OF VARIOUS ANALYTICAL MODELS DEVELOPED BY COMILLAS UNIVERSITY RELATED TO DOE BUILDING TECHNOLOGIES OFFICE PROJECT MILESTONES. ONE EMPLOYEE WORKING IN THE UNITED KINGDOM UTILIZING HIGH PERFORMANCE COMPUTING TO ADDRESS ELECTRONIC, STRUCTURAL, VIBRATIONAL, OPTICAL, OR MAGNETIC PHENOMENA AND PROPERTIES OF MATERIALS AT THE ATOMIC, NANO- OR MESO- SCALE. TWO EMPLOYEES WERE ON PERSONAL TRIPS WHEN THE COVID-19 PANDEMIC DELAYED THEIR RETURN TO THE UNITED STATES. BOTH EMPLOYEES CONTINUED THEIR ASSIGNED TASKS REMOTELY. ONE WORKED DEVELOPING SYSTEMS INNOVATIONS AND ENGINEERING TOOLS RELATED TO HIGH PERFORMANCE WAVE ENERGY TECHNOLOGIES AND ONE EMPLOYEE SUPPORTED GLOBAL COLLABORATIONS WITH WORLD-LEADING ENERGY SYSTEMS INTEGRATIONS RESEARCH INSTITUTIONS.

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).

SCHEDULE F, PART I, LINE 3, COLUMN (F)

DESCRIPTION OF ACCOUNTING METHOD:

ALLIANCE FOR SUSTAINABLE ENERGY USES THE ACCURAL ACCOUNTING METHOD FOR

AMOUNTS ENTERED IN SCHEDULE F, PART I, LINE 3 COLUMN (F).

**SCHEDULE J
(Form 990)**Department of the Treasury
Internal Revenue Service**Compensation Information**For certain Officers, Directors, Trustees, Key Employees, and Highest
Compensated Employees

▶ Complete if the organization answered "Yes" on Form 990, Part IV, line 23.

▶ Attach to Form 990.

▶ Go to www.irs.gov/Form990 for instructions and the latest information.

OMB No. 1545-0047

2019**Open to Public
Inspection**

Name of the organization

ALLIANCE FOR SUSTAINABLE ENERGY, LLC

Employer identification number

26-1939342

Part I Questions Regarding Compensation**1a** Check the appropriate box(es) if the organization provided any of the following to or for a person listed on Form 990, Part VII, Section A, line 1a. Complete Part III to provide any relevant information regarding these items.

- | | |
|--|--|
| <input type="checkbox"/> First-class or charter travel | <input type="checkbox"/> Housing allowance or residence for personal use |
| <input type="checkbox"/> Travel for companions | <input type="checkbox"/> Payments for business use of personal residence |
| <input type="checkbox"/> Tax indemnification 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 (such as maid, chauffeur, chef) |

b If any of the boxes on line 1a are checked, did the organization follow a written policy regarding payment or reimbursement or provision of all of the expenses described above? If "No," complete Part III to explain**2** Did the organization require substantiation prior to reimbursing or allowing expenses incurred by all directors, trustees, and officers, including the CEO/Executive Director, regarding the items checked on line 1a?**3** Indicate which, if any, of the following the 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 checked="" type="checkbox"/> Written employment contract |
| <input checked="" type="checkbox"/> Independent compensation consultant | <input checked="" 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?
- b** Participate in, or receive payment from, a supplemental nonqualified retirement plan?
- c** Participate in, or receive payment from, an equity-based compensation arrangement?
- If "Yes" to any of lines 4a-c, list the persons and provide the applicable amounts for each item in Part III.

Only section 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?
- b** Any related organization?
- 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?
- b** Any related organization?
- 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 on lines 5 and 6? If "Yes," describe in Part III.**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**9** If "Yes" on line 8, did the organization also follow the rebuttable presumption procedure described in Regulations section 53.4958-6(c)?

Yes No

1b

2

4a

4b

4c

5a

5b

6a

6b

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8

9

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

Schedule J (Form 990) 2019

Schedule J (Form 990) 2019

Page 2

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

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

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

(A) Name and Title	(B) Breakdown of W-2 and/or 1099-MISC compensation				(C) Retirement and other deferred compensation	(D) Nontaxable benefits	(E) Total of columns (B)(i)-(D)	(F) Compensation in column (B) reported as deferred on prior Form 990
	(i) Base compensation	(ii) Bonus & incentive compensation	(iii) Other reportable compensation					
1 DR. WILLIAM TUMAS ASSOCIATE LAB DIRECTOR	(i) 300,357.	83,082.	10,806.		100,702.	21,023.	515,970.	
	(ii) 0.	0.	0.		0.			
2 DR. MARTIN KELLER PRESIDENT	(i) 454,124.	222,070.	20,242.		57,175.	33,725.	787,336.	
	(ii) 0.	0.	0.		0.	0.	0.	
3 MR. JOHN STOLPA SECRETARY	(i) 221,438.	36,164.	536.		74,845.	32,769.	365,752.	
	(ii) 0.	0.	0.		0.	0.	0.	
4 MR. OWEN BARWELL CHIEF FINANCIAL OFFICER	(i) 277,009.	66,214.	20,125.		68,632.	33,943.	465,923.	
	(ii) 0.	0.	0.		0.	0.	0.	
5 DR. PETER GREEN SENIOR VICE PRESIDENT	(i) 328,180.	139,391.	22,564.		64,738.	28,384.	583,257.	
	(ii) 0.	0.	0.		0.	0.	0.	
6 MS. JULIE BAKER SENIOR VICE PRESIDENT	(i) 258,616.	74,626.	966.		56,726.	32,038.	422,972.	
	(ii) 0.	0.	0.		0.	0.	0.	
7 MS. BOBI GARRETT SENIOR VICE PRESIDENT	(i) 358,663.	141,575.	76,295.		417,853.	15,364.	1,009,750.	
	(ii) 0.	0.	0.		0.	0.	0.	
8 MR. STEVEN SILBERGLEID SECRETARY - FORMER	(i) 195,802.	2,651.	204,697.		45,170.	18,291.	466,611.	
	(ii) 0.	0.	0.		0.	0.	0.	
9 DR. JOHNEY GREEN ASSOCIATE LAB DIRECTOR	(i) 298,572.	87,690.	6,774.		50,486.	33,081.	476,603.	
	(ii) 0.	0.	0.		0.	0.	0.	
10 DR. ROBERT IELAND ASSOCIATE LAB DIRECTOR	(i) 310,369.	82,268.	2,172.		49,825.	10,269.	454,903.	
	(ii) 0.	0.	0.		0.	0.	0.	
11 MR. JUAN TORRES ASSOCIATE LAB DIRECTOR	(i) 285,427.	86,203.	20,137.		49,495.	10,090.	451,352.	
	(ii) 0.	0.	0.		0.	0.	0.	
12 MR. WILLIAM FARRIS ASSOCIATE LAB DIRECTOR	(i) 256,189.	79,683.	20,944.		137,353.	33,736.	527,905.	
	(ii) 0.	0.	0.		0.	0.	0.	
13								
14								
15								
16								

Schedule J (Form 990) 2019

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.

SCHEDULE J, PART I, LINE 4C

DESCRIPTION OF SEVERANCE OR CHANGE OF CONTROL PAYMENT:

STEVEN SILBERGLEID RECEIVED A SEVERANCE OR CHANGE OF CONTROL PAYMENT IN

THE AMOUNT OF \$156,345.

SCHEDULE J, PART I, LINE 7

THE ALLIANCE'S INCENTIVE PROGRAM INCLUDES TWO PLANS AND MULTIPLE TIERS WITHIN EACH PLAN. THESE TIERS ARE TARGETED TO SPECIFIC JOB TITLES, WITH EACH FEATURING A TARGET INCENTIVE AS A PERCENTAGE OF BASE PAY. PAYOUTS ARE BASED ON TWO FACTORS: EACH PARTICIPANT'S INDIVIDUAL PERFORMANCE AND THE LAB'S OVERALL PERFORMANCE.

SCHEDULE O
(Form 990 or 990-EZ)Department of the Treasury
Internal Revenue Service**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.

▶ Information about Schedule O (Form 990 or 990-EZ) and its instructions is at www.irs.gov/form990.

OMB No. 1545-0047

2019**Open to Public
Inspection**

Name of the organization

ALLIANCE FOR SUSTAINABLE ENERGY, LLC

Employer identification number

26-1939342

FORM 990, PART VI, SECTION A, LINE 1A

DESCRIPTION IN DIFFERENCE OF VOTING RIGHTS:

ALLIANCE FOR SUSTAINABLE ENERGY HAS 15 BOARD MEMBERS 5 ARE ELECTED BY MRIGLOBAL, 5 BY BATTELLE & 5 CORE UNIVERSITY MEMBERS. ALL BOARD MEMBERS CAN VOTE ON GENERAL BUSINESS AND POLICY MATTERS. MRIGLOBAL AND BATTELLE BOARD MEMBERS ARE THE ONLY MEMBERS THAT CAN VOTE ON ECONOMIC AND OTHER INTERESTS IN THE COMPANY AND OR THE MEMBERS' BUSINESS REPUTATIONS.

FORM 990, PART VI, SECTION A, LINE 6

DESCRIBE CIRCUMSTANCES FOR HAVING MEMBERS:

ALLIANCE FOR SUSTAINABLE ENERGY HAS TWO MEMBERS:

- MRIGLOBAL
- BATTELLE MEMORIAL INSTITUTE

FORM 990, PART VI, SECTION A, LINE 7A

MEMBERS WHO CAN ELECT MEMBERS OF THE GOVERNING BODY:

EACH MEMBER HAS THE RIGHT TO NOMINATE AND ELECT 5 MEMBER DIRECTORS.

FORM 990, PART VI, SECTION A, LINE 7B

DECISIONS OF GOVERNING BODY SUBJECT TO APPROVAL BY MEMBERS:

THE MEMBERS HAVE THE RIGHT TO AMEND AND APPROVE THE OPERATING AGREEMENT.

FORM 990, PART VI, SECTION B, LINE 11B

DESCRIPTION OF PROCESS FOR REVIEWING 990:

Name of the organization	Employer identification number
ALLIANCE FOR SUSTAINABLE ENERGY, LLC	26-1939342

1. CONTROLLER REVIEWS THE DRAFT 990 AND SENDS TO THE FINANCE AND AUDIT COMMITTEE (FAC) MEMBERS FOR REVIEW.
2. FAC REVIEW THE DRAFT 990 AND EACH APPROVES THE 990 FOR FILING.
3. THE DRAFT 990 IS POSTED ON THE BOARD SITE FOR THREE BUSINESS DAYS. IF NO COMMENTS OR EDITS ARE RECEIVED, THE 990 IS FILED.

FORM 990, PART VI, SECTION B, LINE 12C

DESCRIPTION OF PROCESS FOR MONITORING CONFLICT OF INTEREST POLICY:

ALL ALLIANCE EMPLOYEES ARE REQUIRED TO ATTEND ETHICS TRAINING WHICH PERIODICALLY INCLUDES THE PROCESS FOR IDENTIFICATION AND DISCLOSURE OF CONFLICTS OF INTEREST. EMPLOYEES ARE REQUIRED TO FILE A WRITTEN DISCLOSURE STATEMENT CONCERNING OUTSIDE ACTIVITIES AND/OR ACTUAL OR POTENTIAL CONFLICTS OF INTEREST BETWEEN THE EMPLOYEE'S WORK AND PERSONAL, FINANCIAL, OR ALLIANCE FOR SUSTAINABLE ENERGY, LLC 26-1939342 BUSINESS INTERESTS. THE EMPLOYEE'S COGNIZANT LINE MANAGEMENT IS RESPONSIBLE FOR THE REVIEW AND APPROVAL OF EMPLOYEE REQUESTS FOR APPROVAL OF OUTSIDE ACTIVITIES WHICH ARE OF CONCERN TO ALLIANCE. EMPLOYEES WHOSE REGULAR RESPONSIBILITIES INVOLVE MANAGING OR EXECUTING LICENSE AGREEMENTS FOR INTELLECTUAL PROPERTY OR THE PREPARATION OR EXECUTION OF COOPERATIVE RESEARCH AND DEVELOPMENT AGREEMENTS (CRADAS) OR OTHER TECHNOLOGY TRANSFER OR TECHNOLOGY PARTNERSHIP ARRANGEMENTS MUST ANNUALLY OR UPON CHANGES IN RELEVANT PERSONAL OR FAMILY CIRCUMSTANCES OR THE NATURE OF WORK ASSIGNED, COMPLETE AN EMPLOYEE'S STATEMENT OF ECONOMIC INTEREST. IF AN ACTUAL OR POTENTIAL CONFLICT OF INTEREST EXISTS, THE EMPLOYEE CONSULTS WITH THE GENERAL COUNSEL OR DESIGNEE TO IDENTIFY AND IMPLEMENT MITIGATION OR AVOIDANCE ACTIONS, OR RECUSES SELF IF AN APPROPRIATE MITIGATION OR

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Schedule O (Form 990 or 990-EZ) 2019

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Name of the organization

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AVOIDANCE ACTION CANNOT BE IDENTIFIED. ALL ALLIANCE OFFICERS AND BOARD OF DIRECTOR MEMBERS ARE REQUIRED TO SUBMIT A CONFLICT OF INTEREST DISCLOSURE UPON APPOINTMENT, AND AN ANNUAL CONFLICT OF INTEREST DISCLOSURE AND RECEIVE ANNUAL ORGANIZATIONAL CONFLICTS OF INTEREST TRAINING. THE ALLIANCE BOARD OF DIRECTORS USES DISCLOSURE STATEMENTS TO DETERMINE IF A CONFLICT OF INTEREST EXISTS. IF SO, THE BOARD OF DIRECTORS IMPLEMENTS AVOIDANCE OR MITIGATION ACTIONS AND ANY DIRECTOR OR OFFICER MAY NOT TAKE PART IN DISCUSSION OR VOTING ON MATTERS RELATED TO A DISCLOSED INTEREST.

FORM 990, PART VI, SECTION B, LINE 15A & 15B

DESCRIPTION OF PRESIDENT AND OTHER OFFICER COMPENSATION PROCESS:

GOVERNANCE OF EXECUTIVE COMPENSATION IS CHARTERED THROUGH THE ALLIANCE HUMAN RESOURCES COMPENSATION COMMITTEE. EXTERNAL THIRD PARTY RESOURCES ARE RETAINED ON A BIENNIAL BASIS TO REVIEW ALL ELEMENTS OF EXECUTIVE REMUNERATION (BASE SALARY, ANNUAL INCENTIVES, RETIREMENT BENEFITS, HEALTH AND WELFARE BENEFITS, AND EXECUTIVE PREREQUISITES) TO INSURE COMPETITIVENESS OF ALL THE ELEMENTS OF CASH COMPENSATION RELATIVE TO THE MARKET FOR BOTH BASE COMPENSATION AND TOTAL COMPENSATION. THERE ARE NO PERSONS SERVING ON THE COMPENSATION COMMITTEE WITH A CONFLICT OF INTEREST WITH RESPECT TO THE COMPENSATION ARRANGEMENTS. CONTEMPORANEOUS DOCUMENTATION AND RECORDS ARE RETAINED. THE LAST COMPENSATION REVIEW OCCURRED ON NOVEMBER 15, 2019 BY MERCER.

FORM 990, PART VI, SECTION C, LINE 19

DESCRIPTION OF GOVERNING DOCUMENTS MADE AVAILABLE TO THE PUBLIC:

ALLIANCE MAKES ITS GOVERNING DOCUMENTS, CONFLICT OF INTEREST POLICY AND

PUBLIC DISCLOSURE COPY

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FINANCIAL STATEMENTS AVAILABLE TO THE PUBLIC UPON REQUEST.

FORM 990, PART XI, LINE 9, CHANGES IN NET ASSETS

DESCRIPTION OF OTHER CHANGE IN NET ASSETS:

(6,419,917) - DISTRIBUTION TO MEMBERS

ATTACHMENT 1FORM 990, PART III, LINE 1 - ORGANIZATION'S MISSION

THE MISSION OF THE ALLIANCE FOR SUSTAINABLE ENERGY LLC (ALLIANCE) IS TO OPERATE THE U.S. DEPARTMENT OF ENERGY'S NATIONAL RENEWABLE ENERGY LABORATORY TO ADVANCE THE SCIENCE AND ENGINEERING OF ENERGY EFFICIENCY, SUSTAINABLE TRANSPORTATION, AND RENEWABLE POWER TECHNOLOGIES, AND PROVIDES THE KNOWLEDGE TO INTEGRATE AND OPTIMIZE ENERGY SYSTEMS.

ATTACHMENT 2FORM 990, PART III - PROGRAM SERVICE, LINE 4A

ON OCTOBER 1, 2008, ALLIANCE BEGAN MANAGEMENT OF THE U.S. DEPARTMENT OF ENERGY'S (DOE) NATIONAL RENEWABLE ENERGY LABORATORY UNDER PRIME CONTRACT NUMBER DE-AC36-08-GO28308. THE NATIONAL RENEWABLE ENERGY LABORATORY (NREL) IS THE NATION'S PRIMARY LABORATORY FOR RENEWABLE ENERGY AND ENERGY EFFICIENCY RESEARCH AND DEVELOPMENT (R&D). ALLIANCE PROVIDES THE LEADERSHIP AND STRATEGY THROUGH ITS MANAGEMENT AND OPERATION CONTRACT OF THE NATIONAL RENEWABLE ENERGY LABORATORY (NREL) TO EXECUTE RESEARCH, DEVELOPMENT, DEMONSTRATION, TECHNICAL ASSISTANCE AND ANALYSIS PROGRAMS ON BEHALF OF DOE, OTHER FEDERAL AGENCIES AND THE PRIVATE SECTOR. IT STEWARDS THE UNDERLYING CAPABILITIES AND RESEARCH

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ATTACHMENT 2 (CONT'D)

ASSETS THAT ENABLE MISSION ACCOMPLISHMENT. IT ALSO PROVIDES THE LEADERSHIP TO SAFELY, SECURELY AND SUSTAINABLY MANAGE AND OPERATE TWO MAJOR NREL CAMPUSES LOCATED IN COLORADO, AND ONE NREL CAMPUS IN FAIRBANKS, ALASKA, AS WELL AS SEVERAL OFF-CAMPUS RESEARCH AND OFFICE FACILITIES, AND TO OPERATE AND CONTINUOUSLY IMPROVE BUSINESS SYSTEMS, INCLUDING FINANCE, HUMAN RESOURCES, PROCUREMENT, AND QUALITY. ALLIANCE PARTNERS WITH INDUSTRY, OTHER GOVERNMENT AGENCIES, AND ACADEMIA TO TRANSFER THE KNOWLEDGE, KNOW-HOW, AND INTELLECTUAL PROPERTY TO ENABLE NEW PRODUCT DEVELOPMENT AND THEN SCALE UP WITHIN THE NATION'S ENERGY INFRASTRUCTURE. THIS EFFORT SUPPORTS ENERGY SECURITY AND A VIBRANT ECONOMY WHILE ENSURING STEWARDSHIP OF THE ENVIRONMENT.

ALLIANCE PROVIDES LEADERSHIP AND TECHNICAL CAPABILITIES FOR WORK WITHIN THE FOLLOWING AREAS:

RENEWABLE ELECTRICITY GENERATION

THIS AREA INCLUDES ADVANCEMENTS IN RENEWABLE ELECTRICITY GENERATION TECHNOLOGIES INCLUDING SOLAR, WATER, WIND AND GEOTHERMAL.

ENERGY PRODUCTIVITY

THIS AREA INCLUDES ADVANCEMENTS, TECHNOLOGIES, AND SYSTEMS INTEGRATION TO INCREASE ENERGY PRODUCTIVITY IN HOMES, BUILDINGS, AND INDUSTRIAL PLANTS.

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ATTACHMENT 2 (CONT'D)

SUSTAINABLE TRANSPORTATION

THIS AREA INCLUDES ADVANCEMENTS IN TRANSPORTATION AND VEHICLE TECHNOLOGIES AND ALTERNATIVE FUELS.

ENERGY ANALYSIS

CREDIBLE AND OBJECTIVE ENERGY ANALYSIS INCREASES THE UNDERSTANDING OF HOW THE ENERGY SYSTEMS OPERATE. WE EXPLORE HOW ENERGY POLICIES, MARKETS, RESOURCES, TECHNOLOGIES, ENVIRONMENTAL IMPACTS, AND INFRASTRUCTURE INTERACT. ANALYSES, DATA, AND TOOLS INFORM INVESTMENT DECISIONS AS ENERGY-EFFICIENT AND RENEWABLE ENERGY TECHNOLOGIES ADVANCE FROM CONCEPT TO COMMERCIAL APPLICATION.

ENERGY SYSTEMS INTEGRATION

ENERGY SYSTEMS INTEGRATION RESEARCH ADDRESSES TRADEOFFS ACROSS ENERGY CARRIERS (SUCH AS ELECTRICITY, THERMAL PATHWAYS, FUELS, AND WATER) WITHIN INFRASTRUCTURES (GRIDS, BUILDINGS AND CAMPUSES, COMMUNITIES, COMMUNICATIONS AND TRANSPORTATION) TO MAXIMIZE EFFICIENCY AND MINIMIZE WASTE.

NREL TRANSFORMS ENERGY THROUGH SCIENCE BY FOCUSING ITS EXPERTISE AND RESOURCES ON THREE DISTINCT RESEARCH AREAS THAT RECOGNIZE EMERGING MEGATRENDS TO HELP GUIDE ITS RESEARCH.

INTEGRATED ENERGY PATHWAYS FOCUSES ON MODERNIZING THE GRID TO

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ATTACHMENT 2 (CONT'D)

SUPPORT A BROAD SELECTION OF GENERATION TYPES, ENCOURAGE ACTIVE PARTICIPATION BY THE CONSUMER, AND EXPAND OPTIONS FOR TRANSPORTATION ELECTRIFICATION.

ELECTRONS TO MOLECULES FOCUSES ON THE USE OF RENEWABLE, AFFORDABLE ELECTRICITY AS THE DRIVING FORCE FOR THE CONVERSION OF LOW-ENERGY MOLECULES-SUCH AS WATER AND CARBON DIOXIDE-TO GENERATE HIGHER-VALUE, HIGHER-ENERGY CHEMICALS, FUELS, AND MATERIALS.

CIRCULAR ECONOMY FOR ENERGY MATERIALS FOCUSES ON REDUCING WASTE AND PRESERVING RESOURCES THROUGH THE DESIGN OF MATERIALS AND PRODUCTS WITH REUSE, RECYCLING, AND UPCYCLING IN MIND FROM THE START.

NREL IS POSITIONED TO HELP THE NATION ADVANCE ITS ENERGY GOALS THROUGH THE ALLIANCE STRATEGY FOR ACCELERATING IMPACT. THE LABORATORY DELIVERS MARKET-RELEVANT, HIGH-IMPACT KNOWLEDGE/INNOVATIONS; AMPLIFIES MARKET IMPACT THROUGH STRATEGIC PARTNERSHIPS; STEWARDS DISTINCTIVE CAPABILITIES AND SUSTAINS OPERATIONAL EXCELLENCE. NREL SUPPORTS COLLABORATIVE RESEARCH PROJECTS, DISSEMINATES RESEARCH RESULTS BROADLY, PROTECTS INTELLECTUAL PROPERTY THROUGH PATENTS AND COPYRIGHTS, LICENSES TECHNOLOGIES AND WORKS WITH PUBLIC AND PRIVATE PARTNERS TO IMPLEMENT TECHNOLOGIES. INNOVATIVE TECHNOLOGIES ARE ANNUALLY RECOGNIZED WITH MULTIPLE R&D 100 AWARDS, WHICH ARE CONSIDERED THE

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ATTACHMENT 2 (CONT'D)

MOST PRESTIGIOUS TECHNOLOGY INNOVATION AWARDS IN THE UNITED STATES. THE ENGINEERING AND SCIENCE BEHIND THESE TECHNOLOGY TRANSFER SUCCESSES AND AWARDS DEMONSTRATE ALLIANCE'S COMMITMENT TO DEVELOPING AND APPLYING INNOVATIVE RENEWABLE ENERGY SOLUTIONS TO ACHIEVE THE NATION'S SECURE AND SUSTAINABLE ENERGY FUTURE.

ATTACHMENT 3990, PART VII- COMPENSATION OF THE FIVE HIGHEST PAID IND. CONTRACTORS

<u>NAME AND ADDRESS</u>	<u>DESCRIPTION OF SERVICES</u>	<u>COMPENSATION</u>
SUN CONSTRUCTION & FACILITY SERVICES INC 1232 BOSTON AVENUE LONGMONT, CO 80501	CONSTRUCTION	4,995,675.
COLORADO SCHOOL OF MINES 1500 ILLINOIS STREET GOLDEN, CO 80401	RESEARCH	3,828,683.
REGENTS OF THE UNIVERSITY OF COLORADO 12800 E 19TH AVENUE AURORA, CO 80045	RESEARCH	3,497,539.
REGAN TECHNOLOGIES CORPORATION 515 CENTERPOINT DRIVE MIDDLETOWN, CT 06457	SOFTWARE MAINTENANCE	2,134,216.
SANDIA NATIONAL LABORATORIES PO BOX 5800 ALBUQUERQUE, NM 87185	RESEARCH	1,787,022.