

Return of Organization Exempt From Income Tax

Department of the Treasury Internal Revenue Service

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.

A For the 2021 calendar year, or tax year beginning 10/01/2021 and ending 09/30/2022

B Check if applicable: C Name of organization ALLIANCE FOR SUSTAINABLE ENERGY, LLC D Employer identification number 26-1939342 E Telephone number (303) 275-3000 G Gross receipts \$ 672,082,099. H(a) Is this a group return for subordinates? Yes No H(b) Are all subordinates included? Yes No I Tax-exempt status: X 501(c)(3) 501(c)() (insert no.) 4947(a)(1) or 527 J Website: WWW.ALLIANCEFORSUSTAINABLEENERGY.ORG K Form of organization: Corporation Trust Association X Other LLC L Year of formation: 2008 M State of legal domicile: DE

Part I Summary

Table with 3 columns: Line number, Description, and Amount. Rows include: 1 Briefly describe the organization's mission... OPERATES THE NATIONAL RENEWABLE ENERGY LABORATORY... 2 Check this box... 3 Number of voting members... 4 Number of independent voting members... 5 Total number of individuals employed... 6 Total number of volunteers... 7a Total unrelated business revenue... 7b Net unrelated business taxable income... 8 Contributions and grants... 9 Program service revenue... 10 Investment income... 11 Other revenue... 12 Total revenue... 13 Grants and similar amounts paid... 14 Benefits paid to or for members... 15 Salaries, other compensation... 16a Professional fundraising fees... 16b Total fundraising expenses... 17 Other expenses... 18 Total expenses... 19 Revenue less expenses... 20 Total assets... 21 Total liabilities... 22 Net assets or fund balances.

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. This declaration is based on all information of which preparer has any knowledge.

Signature block containing: Sign Here (Jennifer Logan, Signature of officer, Date 4/3/2023), MS. JENNIFER LOGAN CFO, Paid Preparer Use Only (Adam Smith, Date 04/03/2023, Firm's name FORVIS, LLP, Firm's address 111 SOUTH TEJON, SUITE 800 COLORADO SPRINGS, CO 80903-9848, Firm's EIN 44-0160260, Phone no. 719-471-4290).

May the IRS discuss this return with the preparer shown above? See instructions X Yes No

For Paperwork Reduction Act Notice, see the separate instructions.

Application for Automatic Extension of Time To File an Exempt Organization Return

▶ **File a separate application for each return.**
▶ **Go to www.irs.gov/Form8868 for the latest information.**

Electronic filing (e-file). You can electronically file Form 8868 to request a 6-month automatic extension of time to file any of the forms listed below with the exception of Form 8870, Information Return for Transfers Associated With Certain Personal Benefit Contracts, for which an extension request must be sent to the IRS in paper format (see instructions). For more details on the electronic filing of this form, visit www.irs.gov/e-file-providers/e-file-for-charities-and-non-profits.

Automatic 6-Month Extension of Time. Only submit original (no copies needed).

All corporations required to file an income tax return other than Form 990-T (including 1120-C filers), partnerships, REMICs, and trusts must use Form 7004 to request an extension of time to file income tax returns.

Type or print	Name of exempt organization or other filer, see instructions.	Taxpayer identification number (TIN)
	ALLIANCE FOR SUSTAINABLE ENERGY, LLC	26-1939342
	Number, street, and room or suite no. If a P.O. box, see instructions.	
	15013 DENVER WEST PARKWAY RSF041	
File by the due date for filing your return. See instructions.	City, town or post office, state, and ZIP code. For a foreign address, see instructions.	
	GOLDEN, CO 80401	

Enter the Return Code for the return that this application is for (file a separate application for each return)

Application Is For	Return Code	Application Is For	Return Code
Form 990 or Form 990-EZ	01	Form 1041-A	08
Form 4720 (individual)	03	Form 4720 (other than individual)	09
Form 990-PF	04	Form 5227	10
Form 990-T (sec. 401(a) or 408(a) trust)	05	Form 6069	11
Form 990-T (trust other than above)	06	Form 8870	12
Form 990-T (corporation)	07		

• The books are in the care of ▶ SUSAN SCRIVER
15013 DENVER WEST PARKWAY RSF041 GOLDEN CO 80401
Telephone No. ▶ 303 275-3000 Fax No. ▶ _____

• If the organization does not have an office or place of business in the United States, check this box
• If this is for a Group Return, enter the organization's four digit Group Exemption Number (GEN) _____ . If this is for the whole group, check this box . If it is for part of the group, check this box and attach a list with the names and TINs of all members the extension is for.

1 I request an automatic 6-month extension of time until 08/15, 2023, to file the exempt organization return for the organization named above. The extension is for the organization's return for:

▶ calendar year 20 ____ or
▶ tax year beginning 10/01, 2021, and ending 09/30, 2022.

2 If the tax year entered in line 1 is for less than 12 months, check reason: Initial return Final return
 Change in accounting period

3a If this application is for Forms 990-PF, 990-T, 4720, or 6069, enter the tentative tax, less any nonrefundable credits. See instructions.	3a \$	NONE
b If this application is for Forms 990-PF, 990-T, 4720, or 6069, enter any refundable credits and estimated tax payments made. Include any prior year overpayment allowed as a credit.	3b \$	NONE
c Balance due. Subtract line 3b from line 3a. Include your payment with this form, if required, by using EFTPS (Electronic Federal Tax Payment System). See instructions.	3c \$	NONE

Caution: If you are going to make an electronic funds withdrawal (direct debit) with this Form 8868, see Form 8453-TE and Form 8879-TE for payment instructions.

Cumulative e-File History 2021

FED

Tax Return 3927QH	Return Type 990
Taxpayer ALLIANCE FOR SUSTAINABLE ENERGY, LLC	Account 5974

Submitted Date	2022-10-13 16:29:48
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Acknowledgement Date	2022-10-13 19:52:39
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Status	Accepted
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Submission ID	84022720222865000033
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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:

SEE SCHEDULE O

2 Did the organization undertake any significant program services during the year which were not listed on the prior Form 990 or 990-EZ? Yes No

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

3 Did the organization cease conducting, or make significant changes in how it conducts, any program services? Yes No

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

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

4a (Code:) (Expenses \$ 664,741,614. including grants of \$ 22,645.) (Revenue \$ 169,288.)

SEE SCHEDULE O

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 ▶ 664,741,614.

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>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2 Is the organization required to complete <i>Schedule B, Schedule of Contributors</i> ? See instructions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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 Rev. Proc. 98-19? <i>If "Yes," complete Schedule C, Part III.</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e Did the organization report an amount for other liabilities in Part X, line 25? <i>If "Yes," complete Schedule D, Part X.</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13 Is the organization a school described in section 170(b)(1)(A)(ii)? <i>If "Yes," complete Schedule E.</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
14a Did the organization maintain an office, employees, or agents outside of the United States?.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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.</i> See instructions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
20a Did the organization operate one or more hospital facilities? <i>If "Yes," complete Schedule H.</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If "Yes" to line 20a, did the organization attach a copy of its audited financial statements to this return?	<input type="checkbox"/>	<input type="checkbox"/>
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>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Part IV Checklist of Required Schedules (continued)

Table with 3 columns: Question, Yes, No. Rows 22-38 covering various organizational requirements and schedules.

Part V Statements Regarding Other IRS Filings and Tax Compliance

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

Table with 3 columns: Question, Yes, No. Rows 1a-1c regarding Form 1096, W-2G forms, and backup withholding rules.

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

Table with columns for question number, question text, and Yes/No response boxes. Includes questions 2a through 17 regarding employee reporting, tax returns, business income, foreign accounts, prohibited transactions, and charitable contributions.

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 [X]

Section A. Governing Body and Management

Table with 3 columns: Question, Yes, No. Rows include 1a (15), 1b (15), 2, 3, 4, 5, 6, 7a, 7b, 8a, 8b, 9.

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

Table with 3 columns: Question, Yes, No. Rows include 10a, 10b, 11a, 11b, 12a, 12b, 12c, 13, 14, 15a, 15b, 16a, 16b.

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.
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 RSF041 GOLDEN, CO 80401 303-275-3000

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

Check if Schedule O contains a response or note to any line in this Part VII 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 the 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, Form 1099-MISC, and/or box 1 of Form 1099-NEC) 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 the 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/1099-NEC)	(E) Reportable compensation from related organizations (W-2/1099-MISC/1099-NEC)	(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) DR. MARTIN KELLER PRESIDENT	40.00 NONE			X				754,826.	NONE	96,326.
(2) DR. PETER GREEN SENIOR VICE PRESIDENT	40.00 NONE			X				536,817.	NONE	100,765.
(3) MS. JULIE BAKER SENIOR VICE PRESIDENT	40.00 NONE			X				522,314.	NONE	89,760.
(4) MR. WILLIAM FARRIS ASSOCIATE LAB DIRECTOR	40.00 NONE					X		389,956.	NONE	176,926.
(5) DR. WILLIAM TUMAS ASSOCIATE LAB DIRECTOR	40.00 NONE					X		423,684.	NONE	127,862.
(6) DR. JOHNEY GREEN ASSOCIATE LAB DIRECTOR	40.00 NONE					X		426,723.	NONE	84,574.
(7) MR. OWEN BARWELL CFO - THRU 2/14/2022	40.00 NONE			X				396,348.	NONE	99,495.
(8) MR. JUAN TORRES ASSOCIATE LAB DIRECTOR	40.00 NONE					X		424,944.	NONE	65,200.
(9) DR. ADAM BRATIS ASSOCIATE LAB DIRECTOR	40.00 NONE					X		392,583.	NONE	96,779.
(10) MR. JOHN STOLPA SECRETARY	40.00 NONE			X				355,748.	NONE	94,404.
(11) MR. RICHARD THOMAS FLEENER CHAIRMAN OF THE BOARD	1.00 NONE	X		X				NONE	NONE	NONE
(12) DR. MARK PETERS VICE CHAIRMAN OF THE BOARD	1.00 NONE	X		X				NONE	NONE	NONE
(13) MR. EDWARD C. ANDERSON JR. BOARD MEMBER	1.00 NONE	X						NONE	NONE	NONE
(14) DR. ROBERT ARMSTRONG BOARD MEMBER	1.00 NONE	X						NONE	NONE	NONE

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) MS. REACHEL BEICHLLEY BOARD MEMBER	1.00 NONE	X					NONE	NONE	NONE	
(16) DR. IAN COLRAIN BOARD MEMBER	1.00 NONE	X					NONE	NONE	NONE	
(17) DR. WALTER COPAN BOARD MEMBER	1.00 NONE	X					NONE	NONE	NONE	
(18) DR. YI CUI BOARD MEMBER	1.00 NONE	X					NONE	NONE	NONE	
(19) DR. DEAN GRAY BOARD MEMBER	1.00 NONE	X					NONE	NONE	NONE	
(20) MR. TODD HARRINGTON BOARD MEMBER	1.00 NONE	X					NONE	NONE	NONE	
(21) DR. ALAN A. RUDOLPH BOARD MEMBER	1.00 NONE	X					NONE	NONE	NONE	
(22) DR. MASSIMO RUZZENE BOARD MEMBER	1.00 NONE	X					NONE	NONE	NONE	
(23) MS. LEANNE STRIBLEY BOARD MEMBER	1.00 NONE	X					NONE	NONE	NONE	
(24) MR. MATT VAUGHAN BOARD MEMBER	1.00 NONE	X					NONE	NONE	NONE	
(25) MS. KRISTINE WERKING BOARD MEMBER	1.00 NONE	X					NONE	NONE	NONE	
1b Sub-total							4,623,943.	NONE	1,032,091.	
c Total from continuation sheets to Part VII, Section A							NONE	NONE	NONE	
d Total (add lines 1b and 1c)							4,623,943.	NONE	1,032,091.	

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 **▶** 1,325

	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>		
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>		
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>		

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

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 **▶**

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			
(26) MS. TERRI FIEZ ----- BOARD MEMBER - THRU 5/31/2022	1.00 ----- NONE	X						NONE	NONE	NONE
(27) DR. MICHAEL KUHLMAN ----- BOARD MEMBER - THRU 10/27/2021	1.00 ----- NONE	X						NONE	NONE	NONE
(28) DR. JOHN STANLEY ----- BOARD MEMBER - THRU 3/31/2022	1.00 ----- NONE	X						NONE	NONE	NONE
(29) MS. JENNIFER LOGAN ----- CFO - STARTING 6/27/2022	40.00 ----- NONE			X				NONE	NONE	NONE
1b Sub-total										
c Total from continuation sheets to Part VII, Section A										
d Total (add lines 1b and 1c)										

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 ▶

	Yes	No
3 Did the organization list any former officer, director, or trustee, key employee, or highest compensated employee on line 1a? If "Yes," complete Schedule J for such individual		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? If "Yes," complete Schedule J for such individual	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? If "Yes," complete Schedule J for such person		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
SEE SCHEDULE O		

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 ▶ 234

Part VIII Statement of Revenue

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

				(A) Total revenue	(B) Related or exempt function revenue	(C) Unrelated business revenue	(D) Revenue excluded from tax under sections 512-514	
Contributions, Gifts, Grants and Other Similar Amounts	1a	Federated campaigns	1a					
	b	Membership dues	1b					
	c	Fundraising events	1c					
	d	Related organizations	1d					
	e	Government grants (contributions) . .	1e	671,912,744.				
	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 ▶		671,912,744.				
	Program Service Revenue	2a	_____	Business Code				
b		_____						
c		_____						
d		_____						
e		_____						
f		All other program service revenue						
g		Total. Add lines 2a-2f ▶		NONE				
Other Revenue	3	Investment income (including dividends, interest, and other similar amounts) ▶		67.			67.	
	4	Income from investment of tax-exempt bond proceeds . ▶		NONE				
	5	Royalties ▶		169,288.	169,288.			
	6a	Gross rents	6a	(i) Real	(ii) Personal			
	b	Less: rental expenses	6b					
	c	Rental income or (loss)	6c	NONE	NONE			
	d	Net rental income or (loss) ▶		NONE				
	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) ▶		NONE				
8a	Gross income from fundraising events (not including \$ _____ of contributions reported on line 1c). See Part IV, line 18	8a		NONE				
				NONE				
				NONE				
b	Less: direct expenses	8b						
c	Net income or (loss) from fundraising events ▶		NONE					
9a	Gross income from gaming activities. See Part IV, line 19	9a		NONE				
				NONE				
				NONE				
b	Less: direct expenses	9b						
c	Net income or (loss) from gaming activities ▶		NONE					
10a	Gross sales of inventory, less returns and allowances	10a		NONE				
				NONE				
				NONE				
b	Less: cost of goods sold	10b						
c	Net income or (loss) from sales of inventory ▶		NONE					
Miscellaneous Revenue	11a	_____	Business Code					
	b	_____						
	c	_____						
	d	All other revenue						
	e	Total. Add lines 11a-11d ▶		NONE				
12	Total revenue. See instructions ▶		672,082,099.	169,288.		67.		

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	22,645.	22,645.		
2 Grants and other assistance to domestic individuals. See Part IV, line 22	NONE			
3 Grants and other assistance to foreign organizations, foreign governments, and foreign individuals. See Part IV, lines 15 and 16	NONE			
4 Benefits paid to or for members	NONE			
5 Compensation of current officers, directors, trustees, and key employees	2,939,011.	2,338,795.	600,216.	
6 Compensation not included above to disqualified persons (as defined under section 4958(f)(1)) and persons described in section 4958(c)(3)(B)	NONE			
7 Other salaries and wages	312,521,857.	312,034,662.	487,195.	
8 Pension plan accruals and contributions (include section 401(k) and 403(b) employer contributions)	30,624,047.	30,624,047.		
9 Other employee benefits	28,097,224.	28,097,224.		
10 Payroll taxes	22,898,649.	22,898,649.		
11 Fees for services (nonemployees):				
a Management	NONE			
b Legal	1,765,877.	1,765,877.		
c Accounting	86,286.	86,286.		
d Lobbying	NONE			
e Professional fundraising services. See Part IV, line 17	NONE			
f Investment management fees	NONE			
g Other. (If line 11g amount exceeds 10% of line 25, column (A), amount, list line 11g expenses on Schedule O.)	8,512,047.	8,374,438.	137,609.	
12 Advertising and promotion	NONE			
13 Office expenses	1,942,420.	1,731,475.	210,945.	
14 Information technology.	25,645,880.	25,645,880.		
15 Royalties.	112,979.	112,979.		
16 Occupancy	8,986,076.	8,986,076.		
17 Travel	4,657,457.	4,655,143.	2,314.	
18 Payments of travel or entertainment expenses for any federal, state, or local public officials	NONE			
19 Conferences, conventions, and meetings	3,241,289.	3,241,289.		
20 Interest	83,410.	83,410.		
21 Payments to affiliates.	NONE			
22 Depreciation, depletion, and amortization	NONE			
23 Insurance	405,117.	405,117.		
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	36,086,577.	36,086,577.		
b MAINTENANCE AND REPAIR	15,854,633.	15,854,633.		
c DUES AND SUBSCRIPTIONS	4,601,925.	4,601,925.		
d SUBCONTRACTS	157,102,487.	157,094,487.	8,000.	
e All other expenses _____				
25 Total functional expenses. Add lines 1 through 24e	666,187,893.	664,741,614.	1,446,279.	NONE
26 Joint costs. Complete this line only if the organization reported in column (B) joint costs from a combined educational campaign and fundraising solicitation. Check here <input type="checkbox"/> if following SOP 98-2 (ASC 958-720)				

Part X Balance Sheet

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

		(A) Beginning of year		(B) End of year
Assets	1 Cash - non-interest-bearing	5,342,562.	1	5,881,193.
	2 Savings and temporary cash investments	NONE	2	NONE
	3 Pledges and grants receivable, net	NONE	3	NONE
	4 Accounts receivable, net	136,198,496.	4	127,419,516.
	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	NONE	5	NONE
	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)	NONE	6	NONE
	7 Notes and loans receivable, net	NONE	7	NONE
	8 Inventories for sale or use	173,402.	8	163,327.
	9 Prepaid expenses and deferred charges	7,874,322.	9	12,471,152.
	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	NONE	11	NONE
	12 Investments - other securities. See Part IV, line 11	NONE	12	NONE
	13 Investments - program-related. See Part IV, line 11	NONE	13	NONE
	14 Intangible assets	NONE	14	NONE
	15 Other assets. See Part IV, line 11	458,684.	15	890,183.
16 Total assets. Add lines 1 through 15 (must equal line 33)	150,047,466.	16	146,825,371.	
Liabilities	17 Accounts payable and accrued expenses	105,304,983.	17	97,676,311.
	18 Grants payable	NONE	18	NONE
	19 Deferred revenue	NONE	19	NONE
	20 Tax-exempt bond liabilities	NONE	20	NONE
	21 Escrow or custodial account liability. Complete Part IV of Schedule D	NONE	21	NONE
	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	NONE	22	NONE
	23 Secured mortgages and notes payable to unrelated third parties	NONE	23	NONE
	24 Unsecured notes and loans payable to unrelated third parties	NONE	24	NONE
	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	40,427,016.	25	44,635,075.
	26 Total liabilities. Add lines 17 through 25	145,731,999.	26	142,311,386.
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	4,315,467.	27	4,513,985.
	28 Net assets with donor restrictions	NONE	28	NONE
	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	4,315,467.	32	4,513,985.
33 Total liabilities and net assets/fund balances	150,047,466.	33	146,825,371.	

Part XI Reconciliation of Net Assets

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

1	Total revenue (must equal Part VIII, column (A), line 12)	1	672,082,099.
2	Total expenses (must equal Part IX, column (A), line 25)	2	666,187,893.
3	Revenue less expenses. Subtract line 2 from line 1	3	5,894,206.
4	Net assets or fund balances at beginning of year (must equal Part X, line 32, column (A))	4	4,315,467.
5	Net unrealized gains (losses) on investments	5	
6	Donated services and use of facilities	6	
7	Investment expenses	7	
8	Prior period adjustments	8	
9	Other changes in net assets or fund balances (explain on Schedule O)	9	-5,695,688.
10	Net assets or fund balances at end of year. Combine lines 3 through 9 (must equal Part X, line 32, column (B))	10	4,513,985.

Part XII Financial Statements and Reporting

Check 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 on 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		

**SCHEDULE A
(Form 990)**

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

2021

**Open to Public
Inspection**

Name of the organization ALLIANCE FOR SUSTAINABLE ENERGY, LLC	Employer identification number 26-1939342
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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).)
- 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 on 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) 2021

JSA
1E1210 1.000

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) 2017	(b) 2018	(c) 2019	(d) 2020	(e) 2021	(f) Total
1 Gifts, grants, contributions, and membership fees received. (Do not include any "unusual grants.")	411,299,186.	493,545,097.	546,285,329.	602,878,882.	671,912,744.	2,725,921,238.
2 Tax revenues levied for the organization's benefit and either paid to or expended on its behalf						NONE
3 The value of services or facilities furnished by a governmental unit to the organization without charge						NONE
4 Total. Add lines 1 through 3.	411,299,186.	493,545,097.	546,285,329.	602,878,882.	671,912,744.	2,725,921,238.
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).						NONE
6 Public support. Subtract line 5 from line 4						2,725,921,238.

Section B. Total Support

Calendar year (or fiscal year beginning in) ▶	(a) 2017	(b) 2018	(c) 2019	(d) 2020	(e) 2021	(f) Total
7 Amounts from line 4	411,299,186.	493,545,097.	546,285,329.	602,878,882.	671,912,744.	2,725,921,238.
8 Gross income from interest, dividends, payments received on securities loans, rents, royalties, and income from similar sources	1,633.	4,483.	31,888.	67,531.	169,355.	274,890.
9 Net income from unrelated business activities, whether or not the business is regularly carried on						NONE
10 Other income. Do not include gain or loss from the sale of capital assets (Explain in Part VI.)						NONE
11 Total support. Add lines 7 through 10						2,726,196,128.
12 Gross receipts from related activities, etc. (see instructions)					12	
13 First 5 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 2021 (line 6, column (f), divided by line 11, column (f))	14	99.99 %
15 Public support percentage from 2020 Schedule A, Part II, line 14	15	100.00 %
16a 33 1/3% support test - 2021. 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 - 2020. 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 - 2021. 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 - 2020. 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) 2017	(b) 2018	(c) 2019	(d) 2020	(e) 2021	(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) 2017	(b) 2018	(c) 2019	(d) 2020	(e) 2021	(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 5 years. If the Form 990 is for the organization's first, second, third, fourth, or fifth tax year as a section 501(c)(3) organization, check this box and **stop here**

Section C. Computation of Public Support Percentage

15 Public support percentage for 2021 (line 8, column (f), divided by line 13, column (f))	15	%
16 Public support percentage from 2020 Schedule A, Part III, line 15	16	%

Section D. Computation of Investment Income Percentage

17 Investment income percentage for 2021 (line 10c, column (f), divided by line 13, column (f)).	17	%
18 Investment income percentage from 2020 Schedule A, Part III, line 17	18	%

19a 33 1/3% support tests - 2021. If the organization did not check the box on line 14, and line 15 is more than 33 1/3%, and line 17 is not more than 33 1/3%, check this box and **stop here**. The organization qualifies as a publicly supported organization

b 33 1/3% support tests - 2020. If the organization did not check a box on line 14 or line 19a, and line 16 is more than 33 1/3%, and line 18 is not more than 33 1/3%, check this box and **stop here**. The organization qualifies as a publicly supported organization

20 Private foundation. If the organization did not check a box on line 14, 19a, or 19b, check this box and see instructions

Part IV Supporting Organizations

(Complete only if you checked a box in line 12 on Part I. If you checked box 12a, Part I, complete Sections A and B. If you checked box 12b, Part I, complete Sections A and C. If you checked box 12c, Part I, complete Sections A, D, and E. If you checked box 12d, 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 lines 3b and 3c 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 box 12a or 12b in Part I, answer lines 4b and 4c 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 lines 5b and 5c 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).</i>		
8 Did the organization make a loan to a disqualified person (as defined in section 4958) not described on line 7? <i>If "Yes," complete Part I of Schedule L (Form 990).</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 on 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 on 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 line 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 on lines 11b and 11c below, the governing body of a supported organization?	11a	
b	A family member of a person described on line 11a above?	11b	
c	A 35% controlled entity of a person described on line 11a or 11b above? <i>If "Yes" to line 11a, 11b, or 11c, provide detail in Part VI.</i>	11c	

Section B. Type I Supporting Organizations

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

Section C. Type II Supporting Organizations

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

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?	1	
2	Were any of the organization's officers, directors, or trustees either (i) appointed or elected by the supported organization(s) or (ii) serving on the governing body of a supported organization? <i>If "No," explain in Part VI how the organization maintained a close and continuous working relationship with the supported organization(s).</i>	2	
3	By reason of the relationship described on line 2, above, did the organization's supported organizations have a significant voice in the organization's investment policies and in directing the use of the organization's income or assets at all times during the tax year? <i>If "Yes," describe in Part VI the role the organization's supported organizations played in this regard.</i>	3	

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 governmental entity (see instructions).		
2	Activities Test. Answer lines 2a and 2b below.		
a	Did substantially all of the organization's activities during the tax year directly further the exempt purposes of the supported organization(s) to which the organization was responsive? <i>If "Yes," then in Part VI identify those supported organizations and explain how these activities directly furthered their exempt purposes, how the organization was responsive to those supported organizations, and how the organization determined that these activities constituted substantially all of its activities.</i>	2a	
b	Did the activities described on line 2a, above, constitute activities that, but for the organization's involvement, one or more of the organization's supported organization(s) would have been engaged in? <i>If "Yes," explain in Part VI the reasons for the organization's position that its supported organization(s) would have engaged in these activities but for the organization's involvement.</i>	2b	
3	Parent of Supported Organizations. Answer lines 3a and 3b below.		
a	Did the organization have the power to regularly appoint or elect a majority of the officers, directors, or trustees of each of the supported organizations? <i>If "Yes" or "No," provide details in Part VI.</i>	3a	
b	Did the organization exercise a substantial degree of direction over the policies, programs, and activities of each of its supported organizations? <i>If "Yes," describe in Part VI the role played by the organization in this regard.</i>	3b	

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 (<i>explain in detail in Part VI</i>):		
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 0.015 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 0.035.	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 0.85 of line 1.	2	
3	Minimum asset amount for prior year (from Section B, line 8, column A)	3	
4	Enter greater of line 2 or line 3.	4	
5	Income tax imposed in prior year	5	
6	Distributable Amount. Subtract line 5 from line 4, unless subject to emergency temporary reduction (see instructions).	6	

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

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

Section D - Distributions		Current Year
1	Amounts paid to supported organizations to accomplish exempt purposes	1
2	Amounts paid to perform activity that directly furthers exempt purposes of supported organizations, in excess of income from activity	2
3	Administrative expenses paid to accomplish exempt purposes of supported organizations	3
4	Amounts paid to acquire exempt-use assets	4
5	Qualified set-aside amounts (prior IRS approval required - provide details in Part VI)	5
6	Other distributions (describe in Part VI). See instructions.	6
7	Total annual distributions. Add lines 1 through 6.	7
8	Distributions to attentive supported organizations to which the organization is responsive (provide details in Part VI). See instructions.	8
9	Distributable amount for 2021 from Section C, line 6	9
10	Line 8 amount divided by line 9 amount	10

Section E - Distribution Allocations (see instructions)		(i) Excess Distributions	(ii) Underdistributions Pre-2021	(iii) Distributable Amount for 2021
1	Distributable amount for 2021 from Section C, line 6			
2	Underdistributions, if any, for years prior to 2021 (reasonable cause required - explain in Part VI). See instructions.			
3	Excess distributions carryover, if any, to 2021			
a	From 2016			
b	From 2017			
c	From 2018			
d	From 2019			
e	From 2020			
f	Total of lines 3a through 3e			
g	Applied to underdistributions of prior years			
h	Applied to 2021 distributable amount			
i	Carryover from 2016 not applied (see instructions)			
j	Remainder. Subtract lines 3g, 3h, and 3i from line 3f.			
4	Distributions for 2021 from Section D, line 7: \$			
a	Applied to underdistributions of prior years			
b	Applied to 2021 distributable amount			
c	Remainder. Subtract lines 4a and 4b from line 4.			
5	Remaining underdistributions for years prior to 2021, 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 2021. Subtract lines 3h and 4b from line 1. For result greater than zero, explain in Part VI. See instructions.			
7	Excess distributions carryover to 2022. Add lines 3j and 4c.			
8	Breakdown of line 7:			
a	Excess from 2017			
b	Excess from 2018			
c	Excess from 2019			
d	Excess from 2020			
e	Excess from 2021			

Schedule B (Form 990)

Department of the Treasury Internal Revenue Service

Schedule of Contributors

Attach to Form 990 or Form 990-PF. Go to www.irs.gov/Form990 for the latest information.

OMB No. 1545-0047

2021

Name of the organization

Employer identification number

ALLIANCE FOR SUSTAINABLE ENERGY, LLC

26-1939342

Organization type (check one):

Filers of:

Section:

Form 990 or 990-EZ

[X] 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 foundation

Check if your organization is covered by the General Rule or a Special Rule.

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

General Rule

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

Special Rules

[X] 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), 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 (entering "N/A" in column (b) instead of the contributor name and address), 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), 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).

Name of organization <p style="text-align: center;">ALLIANCE FOR SUSTAINABLE ENERGY, LLC</p>	Employer identification number <p style="text-align: center;">26-1939342</p>
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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	N/A	\$ 671,912,744.	Person <input 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
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Part III **Exclusively religious, charitable, etc., contributions to organizations described in section 501(c)(7), (8), or (10) that total more than \$1,000 for the year from any one contributor.** Complete columns (a) through (e) and the following line entry. For organizations completing Part III, enter the total of *exclusively* religious, charitable, etc., contributions of **\$1,000 or less** for the year. (Enter this information once. See instructions.) ► \$ _____
 Use duplicate copies of Part III if additional space is needed.

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

Political Campaign and Lobbying Activities

OMB No. 1545-0047

2021

Open to Public Inspection

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.**

Department of the Treasury
Internal Revenue Service

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) 2021

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		666,187,893.													
e Total exempt purpose expenditures (add lines 1c and 1d)		666,187,893.													
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-															
i Subtract line 1f from line 1c. If zero or less, enter -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) 2018	(b) 2019	(c) 2020	(d) 2021	(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					

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)).

Table with 3 main columns: (a) Yes/No, (b) Amount. Rows include: 1 During the year, did the filing organization attempt to influence foreign, national, state, or local legislation... 2a Did the activities in line 1 cause the organization to be not described in section 501(c)(3)?...

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

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

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."

Table with 2 main columns: Question, Amount. Rows include: 1 Dues, assessments and similar amounts from members 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). 3 Aggregate amount reported in section 6033(e)(1)(A) notices of nondeductible section 162(e) dues. 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? 5 Taxable amount of lobbying and political expenditures. See instructions.

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.

Blank lines for providing supplemental information as required by the instructions.

SCHEDULE D (Form 990)

Supplemental Financial Statements

OMB No. 1545-0047

2021

Open to Public Inspection

Department of the Treasury Internal Revenue Service

Complete if the organization answered "Yes" on Form 990, Part IV, line 6, 7, 8, 9, 10, 11a, 11b, 11c, 11d, 11e, 11f, 12a, or 12b.

Attach to Form 990.

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

Name of the organization

Employer identification number

ALLIANCE FOR SUSTAINABLE ENERGY, LLC

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.

Table with 3 columns: Line number, Description, (a) Donor advised funds, (b) Funds and other accounts. Includes rows for total number at end of year, aggregate value of contributions, grants, and end of year, and two Yes/No questions regarding donor advisement.

Part II Conservation Easements.

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

Table with 3 columns: Line number, Description, and Held at the End of the Tax Year. Includes questions about purpose of easements, total number, acreage, and monitoring expenses.

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.

Table with 3 columns: Line number, Description, and Amount. Includes questions about reporting art and historical treasures in financial statements.

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

Schedule D (Form 990) 2021

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
b Scholarly research
c Preservation for future generations
d Loan or exchange program
e Other
4 Provide a description of the organization's collections and explain how they further the organization's exempt purpose in Part XIII.
5 During the year, did the organization solicit or receive donations of art, historical treasures, or other similar assets to be sold to raise funds rather than to be maintained as part of the organization's collection?

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?
b If "Yes," explain the arrangement in Part XIII and complete the following table:
Table with columns: Amount, 1c Beginning balance, 1d Additions during the year, 1e Distributions during the year, 1f Ending balance
2a Did the organization include an amount on Form 990, Part X, line 21, for escrow or custodial account liability?
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.

Table with 6 columns: (a) Current year, (b) Prior year, (c) Two years back, (d) Three years back, (e) Four years back. Rows include: 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:

- (i) Unrelated organizations
(ii) Related organizations

Table with 2 columns: Yes, No. Rows: 3a(i), 3a(ii), 3b

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

- 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.

Table with 5 columns: (a) Cost or other basis (investment), (b) Cost or other basis (other), (c) Accumulated depreciation, (d) Book value. Rows include: 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.

Table with 3 columns: (a) Description of security or category, (b) Book value, (c) Method of valuation. Rows include (1) Financial derivatives, (2) Closely held equity interests, (3) Other (A-H), and Total.

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.

Table with 3 columns: (a) Description of investment, (b) Book value, (c) Method of valuation. Rows (1) through (9) and Total.

Part IX Other Assets.

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

Table with 2 columns: (a) Description, (b) Book value. Rows (1) through (9) and Total.

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.

Table with 2 columns: (a) Description of liability, (b) Book value. Row 1 includes (1) Federal income taxes and (2) ADVANCES with a value of 44,635,075. Total is 44,635,075.

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.

Table with 5 main rows and sub-rows (a-e) for adjustments. Total revenue reported as 672,082,099.

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.

Table with 5 main rows and sub-rows (a-e) for adjustments. Total expenses reported as 666,187,893.

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.

SEE SUPPLEMENTAL PAGE

Part XIII Supplemental Information (continued)

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.

**SCHEDULE F
(Form 990)**

Statement of Activities Outside the United States

OMB No. 1545-0047

2021

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

Employer identification number

ALLIANCE FOR SUSTAINABLE ENERGY, LLC

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.

- 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
- 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) EUROPE	NONE	2	PROGRAM SERVICES	SEE ATTACHED	58,845.
(2) EAST ASIA AND THE PACIFIC	NONE	1	PROGRAM SERVICES	SEE ATTACHED	7,505.
(3)					
(4)					
(5)					
(6)					
(7)					
(8)					
(9)					
(10)					
(11)					
(12)					
(13)					
(14)					
(15)					
(16)					
(17)					
3a Subtotal	NONE	3.			66,350.
b Total from continuation sheets to Part I					
c Totals (add lines 3a and 3b)	NONE	3.			66,350.

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

Schedule F (Form 990) 2021

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 a tax exempt 501(c)(3) organization 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

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

EUROPE: ONE EMPLOYEE RESEARCHING COMBINED ACCELERATED STRESS TESTING (C-AST) AS A METHOD TO ENSURE RELIABILITY OF PV MODULES ON THE MARKET. ONE EMPLOYEE SUPPORTING THE COLLABORATIVE NEXTFARM PROJECT, WHICH AIMS TO DEVELOP AND VALIDATE COMPUTATIONAL EFFICIENT MODELS CAPABLE OF CALCULATING THE FATIGUE LOADS FOR TURBINE IN A WIND FARM.

ASIA: ONE EMPLOYEE WORKING IN EUROPE WAS A SPEAKER AT A CONFERENCE IN ASIA RELATED TO COMBINED ACCELERATED STRESS TESTING (C-AST) RESEARCH.

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

DESCRIPTION OF ACCOUNTING METHOD:

ALLIANCE FOR SUSTAINABLE ENERGY USES THE ACCRUAL ACCOUNTING METHOD FOR AMOUNTS ENTERED IN SCHEDULE F, PART I, LINE 3 COLUMN (F).

**SCHEDULE I
(Form 990)**

**Grants and Other Assistance to Organizations,
Governments, and Individuals in the United States**
Complete if the organization answered "Yes" on Form 990, Part IV, line 21 or 22.

OMB No. 1545-0047

2021

**Open to Public
Inspection**

Department of the Treasury
Internal Revenue Service

▶ Attach to Form 990.

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

Name of the organization

ALLIANCE FOR SUSTAINABLE ENERGY, LLC

Employer identification number

26-1939342

Part I General Information on Grants and Assistance

- Does the organization maintain records to substantiate the amount of the grants or assistance, the grantees' eligibility for the grants or assistance, and the selection criteria used to award the grants or assistance? Yes No
- Describe in Part IV the organization's procedures for monitoring the use of grant funds in the United States.

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

1 (a) Name and address of organization or government	(b) EIN	(c) IRC section (if applicable)	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of noncash assistance	(h) Purpose of grant or assistance
(1) COMMUNITY SHARES OF COLORADO 789 SHERMAN ST, #230 DENVER, CO 80203	74-2401941	501(C)(3)	19,145.				SUPPORT ORGANIZATION
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							
(11)							
(12)							

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

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

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

Schedule I (Form 990) 2021

Part III Grants and Other Assistance to Domestic Individuals. Complete if the organization answered "Yes" on Form 990, Part IV, line 22.
Part III can be duplicated if additional space is needed.

(a) Type of grant or assistance	(b) Number of recipients	(c) Amount of cash grant	(d) Amount of non-cash assistance	(e) Method of valuation (book, FMV, appraisal, other)	(f) Description of non-cash assistance
1					
2					
3					
4					
5					
6					
7					

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

SCHEDULE I, PART I, LINE 2

DESCRIPTION FOR MONITORING GRANTS:

THE ALLIANCE HAS A CONTINUING RELATIONSHIP WITH COMMUNITY SHARES OF COLORADO THROUGH ITS EMPLOYEE GIVING CAMPAIGN. AS PART OF THIS GIVING CAMPAIGN, THE ALLIANCE MAKES AN ANNUAL CONTRIBUTION TO COMMUNITY SHARES OF COLORADO WHICH IN TURN PROVIDES INFORMATION TO THE ALLIANCE ON THE GOOD BEING ACCOMPLISHED THROUGH DONATIONS LIKE THOSE FROM THE ALLIANCE.

**SCHEDULE J
(Form 990)**

Compensation Information

OMB No. 1545-0047

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.

2021

Open to Public Inspection

Department of the Treasury
Internal Revenue Service

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? **4a** **4b**
- b** Participate in or receive payment from a supplemental nonqualified retirement plan? **4b**
- c** Participate in or receive payment from an equity-based compensation arrangement? **4c**
- 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? **5a** **5b**
- b** Any related organization? **5b**
- If "Yes" on line 5a or 5b, describe in Part III.

6 For persons listed on Form 990, Part VII, Section A, line 1a, did the organization pay or accrue any compensation contingent on the net earnings of:

- a** The organization? **6a** **6b**
- b** Any related organization? **6b**
- 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. **7**

8 Were any amounts reported on Form 990, Part VII, paid or accrued pursuant to a contract that was subject to the initial contract exception described in Regulations section 53.4958-4(a)(3)? If "Yes," describe in Part III. **8** **9**

9 If "Yes" on line 8, did the organization also follow the rebuttable presumption procedure described in Regulations section 53.4958-6(c)? **9**

	Yes	No
1b		
2		
4a		<input checked="" type="checkbox"/>
4b		<input checked="" type="checkbox"/>
4c		<input checked="" type="checkbox"/>
5a		<input checked="" type="checkbox"/>
5b		<input checked="" type="checkbox"/>
6a		<input checked="" type="checkbox"/>
6b		<input checked="" type="checkbox"/>
7	<input checked="" type="checkbox"/>	
8		<input checked="" type="checkbox"/>
9		

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

Schedule J (Form 990) 2021

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 and/or 1099-NEC 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. MARTIN KELLER PRESIDENT	(i)	492,813.	240,191.	21,822.	60,247.	36,079.	851,152.	
	(ii)	NONE	NONE	NONE	NONE	NONE	NONE	
2 MR. JOHN STOLPA SECRETARY	(i)	289,082.	65,561.	1,105.	59,090.	35,314.	450,152.	
	(ii)	NONE	NONE	NONE	NONE	NONE	NONE	
3 MR. OWEN BARWELL CFO - THRU 2/14/2022	(i)	303,490.	72,124.	20,734.	65,535.	33,960.	495,843.	
	(ii)	NONE	NONE	NONE	NONE	NONE	NONE	
4 DR. PETER GREEN SENIOR VICE PRESIDENT	(i)	358,753.	155,000.	23,064.	74,542.	26,223.	637,582.	
	(ii)	NONE	NONE	NONE	NONE	NONE	NONE	
5 MS. JULIE BAKER SENIOR VICE PRESIDENT	(i)	367,993.	153,079.	1,242.	55,773.	33,987.	612,074.	
	(ii)	NONE	NONE	NONE	NONE	NONE	NONE	
6 DR. JOHNEY GREEN ASSOCIATE LAB DIRECTO	(i)	321,831.	97,134.	7,758.	50,377.	34,197.	511,297.	
	(ii)	NONE	NONE	NONE	NONE	NONE	NONE	
7 MR. WILLIAM FARRIS ASSOCIATE LAB DIRECTO	(i)	278,946.	88,265.	22,745.	148,249.	28,677.	566,882.	
	(ii)	NONE	NONE	NONE	NONE	NONE	NONE	
8 MR. JUAN TORRES ASSOCIATE LAB DIRECTO	(i)	308,721.	95,488.	20,735.	54,891.	10,309.	490,144.	
	(ii)	NONE	NONE	NONE	NONE	NONE	NONE	
9 DR. WILLIAM TUMAS ASSOCIATE LAB DIRECTO	(i)	319,823.	92,929.	10,932.	106,125.	21,737.	551,546.	
	(ii)	NONE	NONE	NONE	NONE	NONE	NONE	
10 DR. ADAM BRATIS ASSOCIATE LAB DIRECTO	(i)	306,386.	85,039.	1,158.	65,865.	30,914.	489,362.	
	(ii)	NONE	NONE	NONE	NONE	NONE	NONE	
11	(i)							
	(ii)							
12	(i)							
	(ii)							
13	(i)							
	(ii)							
14	(i)							
	(ii)							
15	(i)							
	(ii)							
16	(i)							
	(ii)							

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 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

Name of the organization

ALLIANCE FOR SUSTAINABLE ENERGY, LLC

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

2021

**Open to Public
Inspection**

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 SUSTAINBLE 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:

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.

**SCHEDULE O
(Form 990 or 990-EZ)**

Department of the Treasury
Internal Revenue Service
Name of the organization

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

2021

**Open to Public
Inspection**

Employer identification number

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 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

**SCHEDULE O
(Form 990 or 990-EZ)**

Department of the Treasury
Internal Revenue Service
Name of the organization

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

2021

**Open to Public
Inspection**

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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 SEPTEMBER 30, 2021 BY MERCER.

FORM 990, PART VI, SECTION C, LINE 19

DESCRIPTION OF GOVERNING DOCUMENTS MADE AVAILABLE TO THE PUBLIC:
ALLIANCE MAKES ITS GOVERNING DOCUMENTS AND CONFLICT OF INTEREST POLICY
AVAILABLE TO THE PUBLIC UPON REQUEST.

ALLIANCE DOES NOT PROVIDE FINANCIAL STATEMENTS TO THE PUBLIC. AS A
FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTER FOR THE U.S. DEPARTMENT
OF ENERGY, ALLIANCE FOR SUSTAINABLE ENERGY, LLC ONLY PROVIDES FINANCIAL
STATEMENTS TO THE FEDERAL AGENCY FUNDING THE PROJECT.

SCHEDULE O
(Form 990 or 990-EZ)

Supplemental Information to Form 990 or 990-EZ

OMB No. 1545-0047

2021

**Open to Public
Inspection**

Department of the Treasury
Internal Revenue Service

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.

Name of the organization

Employer identification number

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

DESCRIPTION OF OTHER CHANGE IN NET ASSETS:

(5,695,688) - DISTRIBUTION TO MEMBERS

Name of the organization

Employer identification number

ALLIANCE FOR SUSTAINABLE ENERGY, LLC

26-1939342

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

Name of the organization

Employer identification number

ALLIANCE FOR SUSTAINABLE ENERGY, LLC

26-1939342

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

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 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.

SUSTAINABLE TRANSPORTATION

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

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ALLIANCE FOR SUSTAINABLE ENERGY, LLC

26-1939342

FORM 990, PART III - PROGRAM SERVICE

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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 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

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ALLIANCE FOR SUSTAINABLE ENERGY, LLC

26-1939342

FORM 990, PART III - PROGRAM SERVICE

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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 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.

Name of the organization

Employer identification number

ALLIANCE FOR SUSTAINABLE ENERGY, LLC**26-1939342**

FORM 990, PART VII-COMPENSATION OF THE 5 HIGHEST PAID IND. CONTRACTORS

NAME AND ADDRESS	DESCRIPTION OF SERVICES	COMPENSATION
SUN CONSTRUCTION DESIGN SERVICES INC 1232 BOSTON AVENUE LONGMONT, CO 80501	CONSTRUCTION	4,910,711.
COLORADO SCHOOL OF MINES 1200 16TH STREET GOLDEN, CO 80401	RESEARCH	3,897,288.
REGENTS OF THE UNIVERSITY OF COLORADO 3100 MARINE STREET BOULDER, CO 80309	RESEARCH	3,787,734.
ACCENTURE FEDERAL SERVICES LLC 1255 TREAT BLVD SUITE 250 WALNUT CREEK, CA 94597	CONSULTING	4,413,527.
KYMA TECHNOLOGIES 8829 MIDWAY WEST ROAD RALEIGH, NC 27617	ENGINEERING SERVICES	4,906,413.