

Form **990-EZ**

**Short Form
Return of Organization Exempt From Income Tax**

OMB No. 1545-1150

2013

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.

▶ Information about Form 990-EZ and its instructions is at www.irs.gov/form990.

**Open to Public
Inspection**

Department of the Treasury
Internal Revenue Service

A For the 2013 calendar year, or tax year beginning October 1 , 2013, and ending September 30 , 20 14

B Check if applicable: <input type="checkbox"/> Address change <input type="checkbox"/> Name change <input type="checkbox"/> Initial return <input type="checkbox"/> Terminated <input type="checkbox"/> Amended return <input type="checkbox"/> Application pending	C Name of organization Solar Turbine Group International, Inc	D Employer identification number 76-0834919
	Number and street (or P.O. box, if mail is not delivered to street address) Room/suite P.O. Box 426152	E Telephone number (617) 855-5805
	City or town, state or province, country, and ZIP or foreign postal code Cambridge, MA 02142	F Group Exemption Number ▶

G Accounting Method: Cash Accrual Other (specify) ▶ _____ **H** Check if the organization is **not** required to attach Schedule B (Form 990, 990-EZ, or 990-PF).

I Website: ▶ www.stginternational.org

J Tax-exempt status (check only one) – 501(c)(3) 501(c) () ◀ (insert no.) 4947(a)(1) or 527

K Form of organization: Corporation Trust Association Other _____

L Add lines 5b, 6c, and 7b, to line 9 to determine gross receipts. If gross receipts are \$200,000 or more, or if total assets (Part II, column (B) below) are \$500,000 or more, file Form 990 instead of Form 990-EZ ▶ \$ **40777.90**

Part I Revenue, Expenses, and Changes in Net Assets or Fund Balances (see the instructions for Part I)
 Check if the organization used Schedule O to respond to any question in this Part I

Revenue	1 Contributions, gifts, grants, and similar amounts received	1	40777.90
	2 Program service revenue including government fees and contracts	2	
	3 Membership dues and assessments	3	
	4 Investment income	4	
	5a Gross amount from sale of assets other than inventory	5a	
	b Less: cost or other basis and sales expenses	5b	
	c Gain or (loss) from sale of assets other than inventory (Subtract line 5b from line 5a)	5c	
	6 Gaming and fundraising events		
	a Gross income from gaming (attach Schedule G if greater than \$15,000)	6a	
b Gross income from fundraising events (not including \$ _____ of contributions from fundraising events reported on line 1) (attach Schedule G if the sum of such gross income and contributions exceeds \$15,000)	6b		
c Less: direct expenses from gaming and fundraising events	6c		
d Net income or (loss) from gaming and fundraising events (add lines 6a and 6b and subtract line 6c)	6d		
7a Gross sales of inventory, less returns and allowances	7a		
b Less: cost of goods sold	7b		
c Gross profit or (loss) from sales of inventory (Subtract line 7b from line 7a)	7c		
8 Other revenue (describe in Schedule O)	8		
9 Total revenue. Add lines 1, 2, 3, 4, 5c, 6d, 7c, and 8 ▶	9	40777.90	
Expenses	10 Grants and similar amounts paid (list in Schedule O)	10	16000
	11 Benefits paid to or for members	11	
	12 Salaries, other compensation, and employee benefits	12	
	13 Professional fees and other payments to independent contractors	13	
	14 Occupancy, rent, utilities, and maintenance	14	1641.75
	15 Printing, publications, postage, and shipping	15	
	16 Other expenses (describe in Schedule O)	16	27653.45
17 Total expenses. Add lines 10 through 16 ▶	17	45295.20	
Net Assets	18 Excess or (deficit) for the year (Subtract line 17 from line 9)	18	-4517.30
	19 Net assets or fund balances at beginning of year (from line 27, column (A)) (must agree with end-of-year figure reported on prior year's return)	19	40865.46
	20 Other changes in net assets or fund balances (explain in Schedule O)	20	
	21 Net assets or fund balances at end of year. Combine lines 18 through 20 ▶	21	36348.16

Part V Other Information (Note the Schedule A and personal benefit contract statement requirements in the instructions for Part V) Check if the organization used Schedule O to respond to any question in this Part V

		Yes	No
33	Did the organization engage in any significant activity not previously reported to the IRS? If "Yes," provide a detailed description of each activity in Schedule O		✓
34	Were any significant changes made to the organizing or governing documents? If "Yes," attach a conformed copy of the amended documents if they reflect a change to the organization's name. Otherwise, explain the change on Schedule O (see instructions)		✓
35a	Did the organization have unrelated business gross income of \$1,000 or more during the year from business activities (such as those reported on lines 2, 6a, and 7a, among others)?		✓
35b	If "Yes," to line 35a, has the organization filed a Form 990-T for the year? If "No," provide an explanation in Schedule O		
35c	Was the organization a section 501(c)(4), 501(c)(5), or 501(c)(6) organization subject to section 6033(e) notice, reporting, and proxy tax requirements during the year? If "Yes," complete Schedule C, Part III		
36	Did the organization undergo a liquidation, dissolution, termination, or significant disposition of net assets during the year? If "Yes," complete applicable parts of Schedule N		✓
37a	Enter amount of political expenditures, direct or indirect, as described in the instructions ▶ 37a <u>0</u>		
37b	Did the organization file Form 1120-POL for this year?		✓
38a	Did the organization borrow from, or make any loans to, any officer, director, trustee, or key employee or were any such loans made in a prior year and still outstanding at the end of the tax year covered by this return?		✓
38b	If "Yes," complete Schedule L, Part II and enter the total amount involved		
39	Section 501(c)(7) organizations. Enter:		
39a	a Initiation fees and capital contributions included on line 9		
39b	b Gross receipts, included on line 9, for public use of club facilities		
40a	Section 501(c)(3) organizations. Enter amount of tax imposed on the organization during the year under: section 4911 ▶ <u>0</u> ; section 4912 ▶ <u>0</u> ; section 4955 ▶ <u>0</u>		
40b	b Section 501(c)(3) and 501(c)(4) organizations. Did the organization engage in any section 4958 excess benefit transaction during the year, or did it engage in an excess benefit transaction in a prior year that has not been reported on any of its prior Forms 990 or 990-EZ? If "Yes," complete Schedule L, Part I		✓
40c	c Section 501(c)(3) and 501(c)(4) organizations. Enter amount of tax imposed on organization managers or disqualified persons during the year under sections 4912, 4955, and 4958 ▶ <u>0</u>		
40d	d Section 501(c)(3) and 501(c)(4) organizations. Enter amount of tax on line 40c reimbursed by the organization ▶ <u>0</u>		
40e	e All organizations. At any time during the tax year, was the organization a party to a prohibited tax shelter transaction? If "Yes," complete Form 8886-T		✓
41	List the states with which a copy of this return is filed ▶ <u>Massachusetts</u>		
42a	The organization's books are in care of ▶ <u>Amy Mueller</u> Telephone no. ▶ <u>(617) 855-5805</u> Located at ▶ <u>40 Beacon St. #3, Somerville, MA</u> ZIP + 4 ▶ <u>02143</u>		
42b	b At any time during the calendar year, did the organization have an interest in or a signature or other authority over a financial account in a foreign country (such as a bank account, securities account, or other financial account)? If "Yes," enter the name of the foreign country: ▶ _____ See the instructions for exceptions and filing requirements for Form TD F 90-22.1, Report of Foreign Bank and Financial Accounts.		✓
42c	c At any time during the calendar year, did the organization maintain an office outside the U.S.? If "Yes," enter the name of the foreign country: ▶ _____		✓
43	Section 4947(a)(1) nonexempt charitable trusts filing Form 990-EZ in lieu of Form 1041—Check here ▶ <input type="checkbox"/> and enter the amount of tax-exempt interest received or accrued during the tax year ▶ 43 <u>43</u>		
44a	Did the organization maintain any donor advised funds during the year? If "Yes," Form 990 must be completed instead of Form 990-EZ		✓
44b	b Did the organization operate one or more hospital facilities during the year? If "Yes," Form 990 must be completed instead of Form 990-EZ		✓
44c	c Did the organization receive any payments for indoor tanning services during the year?		✓
44d	d If "Yes" to line 44c, has the organization filed a Form 720 to report these payments? If "No," provide an explanation in Schedule O		
45a	Did the organization have a controlled entity within the meaning of section 512(b)(13)?		✓
45b	Did the organization receive any payment from or engage in any transaction with a controlled entity within the meaning of section 512(b)(13)? If "Yes," Form 990 and Schedule R may need to be completed instead of Form 990-EZ (see instructions)		✓

	Yes	No
46 Did the organization engage, directly or indirectly, in political campaign activities on behalf of or in opposition to candidates for public office? If "Yes," complete Schedule C, Part I	46	✓

Part VI Section 501(c)(3) organizations only

All section 501(c)(3) organizations must answer questions 47-49b and 52, and complete the tables for lines 50 and 51.

Check if the organization used Schedule O to respond to any question in this Part VI

	Yes	No
47 Did the organization engage in lobbying activities or have a section 501(h) election in effect during the tax year? If "Yes," complete Schedule C, Part II	47	✓
48 Is the organization a school as described in section 170(b)(1)(A)(ii)? If "Yes," complete Schedule E	48	✓
49a Did the organization make any transfers to an exempt non-charitable related organization?	49a	✓
b If "Yes," was the related organization a section 527 organization?	49b	

50 Complete this table for the organization's five highest compensated employees (other than officers, directors, trustees and key employees) who each received more than \$100,000 of compensation from the organization. If there is none, enter "None."

(a) Name and title of each employee	(b) Average hours per week devoted to position	(c) Reportable compensation (Forms W-2/1099-MISC)	(d) Health benefits, contributions to employee benefit plans, and deferred compensation	(e) Estimated amount of other compensation
None				

f Total number of other employees paid over \$100,000 ▶ 0

51 Complete this table for the organization's five highest compensated independent contractors who each received more than \$100,000 of compensation from the organization. If there is none, enter "None."

(a) Name and business address of each independent contractor	(b) Type of service	(c) Compensation
None		

d Total number of other independent contractors each receiving over \$100,000 ▶ 0

52 Did the organization complete Schedule A? **Note.** All section 501(c)(3) organizations and 4947(a)(1) nonexempt charitable trusts must attach a completed Schedule A ▶ **Yes** **No**

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

Sign Here	Signature of officer: <i>Amy V. Mueller</i> Type or print name and title: Amy V. Mueller, Director / Treasurer	Date: <i>2/14/15</i>
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Paid Preparer Use Only	Print/Type preparer's name	Preparer's signature	Date	Check <input type="checkbox"/> if self-employed	PTIN
	Firm's name ▶	Firm's EIN ▶			
	Firm's address ▶	Phone no.			

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

SCHEDULE O
(Form 990 or 990-EZ)

Department of the Treasury
Internal Revenue Service

Supplemental Information to Form 990 or 990-EZ

Complete to provide information for responses to specific questions on
Form 990 or 990-EZ or to provide any additional information.

▶ Attach to Form 990 or 990-EZ.

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

OMB No. 1545-0047

2013

**Open to Public
Inspection**

Name of the organization Solar Turbine Group International, Inc	Employer identification number 76-0834919
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Form 990-EZ Line 10: Grants Paid TOTAL: \$16,000.00

3/03/2014 Grant to Solar Turbine Group for ongoing workshop improvements and training in Lesotho

9/29/2014 Grant to Solar Turbine Group for ongoing workshop improvements and training in Lesotho

Form 990-EZ Line 16: Other Expenses TOTAL: \$ 27,653.45

Materials and Equipment: \$ 472.89

Office supplies: \$ 99.00

Depreciation: \$ 7,887.24

Travel: \$ 10,875.02

Insurance: \$ 2,222.60

Partner development: \$ 699.20

Services (accounting, website development, information film creation): \$ 5,310.50

Form 990-EZ Line 24: Other Assets TOTAL: \$ 29,891.56

Flow meter sensor package - net worth: \$ 694.10

Carrier A/C Condenser - net worth: \$ 1,833.99

SopoNova Solar Collector Field - net worth: \$ 21,903.67

Tripp Auto Transfer Switch - net worth: \$ 210.83

DC motor - net worth: \$ 285.77

Double-walled fluid tank - net worth: \$ 1,566.76

Anemometer - net worth: \$ 546.91

6kW inverter (240Vac) - net worth: \$ 1,171.63

3-phase AC transformer (1) - net worth: \$ 838.95

3-phase AC transformer (2) - net worth: \$ 838.95

SCHEDULE A
(Form 990 or 990-EZ)

Public Charity Status and Public Support

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2013

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

Department of the Treasury
Internal Revenue Service

▶ Attach to Form 990 or Form 990-EZ.

Open to Public Inspection

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

Name of the organization Solar Turbine Group International, Inc	Employer identification number 76-0834919
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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 11, 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.)
- 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 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.)
- 10 An organization organized and operated exclusively to test for public safety. See **section 509(a)(4)**.
- 11 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 that describes the type of supporting organization and complete lines 11e through 11h.
 - a Type I b Type II c Type III—Functionally integrated d Type III—Non-functionally integrated
 - e By checking this box, I certify that the organization is not controlled directly or indirectly by one or more disqualified persons other than foundation managers and other than one or more publicly supported organizations described in section 509(a)(1) or section 509(a)(2).
 - f If the organization received a written determination from the IRS that it is a Type I, Type II, or Type III supporting organization, check this box
 - g Since August 17, 2006, has the organization accepted any gift or contribution from any of the following persons?
 - (i) A person who directly or indirectly controls, either alone or together with persons described in (ii) and (iii) below, the governing body of the supported organization?
 - (ii) A family member of a person described in (i) above?
 - (iii) A 35% controlled entity of a person described in (i) or (ii) above?

	Yes	No
11g(i)		
11g(ii)		
11g(iii)		

(i) Name of supported organization	(ii) EIN	(iii) Type of organization (described on lines 1-9 above or IRC section (see instructions))	(iv) Is the organization in col. (i) listed in your governing document?		(v) Did you notify the organization in col. (i) of your support?		(vi) Is the organization in col. (i) organized in the U.S.?		(vii) Amount of monetary support
			Yes	No	Yes	No	Yes	No	
(A)									
(B)									
(C)									
(D)									
(E)									
Total									

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

Section A. Public Support

Calendar year (or fiscal year beginning in) ▶	(a) 2009	(b) 2010	(c) 2011	(d) 2012	(e) 2013	(f) Total
1 Gifts, grants, contributions, and membership fees received. (Do not include any "unusual grants.")	0	141257.19	6977.00	27753.35	40777.90	216765.44
2 Tax revenues levied for the organization's benefit and either paid to or expended on its behalf						
3 The value of services or facilities furnished by a governmental unit to the organization without charge						
4 Total. Add lines 1 through 3	0	141257.19	6977.00	27753.35	40777.90	216765.44
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)						146729.21
6 Public support. Subtract line 5 from line 4.						70036.23

Section B. Total Support

Calendar year (or fiscal year beginning in) ▶	(a) 2009	(b) 2010	(c) 2011	(d) 2012	(e) 2013	(f) Total
7 Amounts from line 4	0	141257.19	6977.00	27753.35	40777.90	216765.44
8 Gross income from interest, dividends, payments received on securities loans, rents, royalties and income from similar sources						
9 Net income from unrelated business activities, whether or not the business is regularly carried on						
10 Other income. Do not include gain or loss from the sale of capital assets (Explain in Part IV.)						
11 Total support. Add lines 7 through 10						216765.44
12 Gross receipts from related activities, etc. (see instructions)					12	0
13 First five years. If the Form 990 is for the organization's first, second, third, fourth, or fifth tax year as a section 501(c)(3) organization, check this box and stop here ▶ <input type="checkbox"/>						

Section C. Computation of Public Support Percentage

14 Public support percentage for 2013 (line 6, column (f) divided by line 11, column (f))	14	32.3 %
15 Public support percentage from 2012 Schedule A, Part II, line 14	15	20.6 %
16a 33 1/3% support test—2013. 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 type="checkbox"/>		
b 33 1/3% support test—2012. 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—2013. 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 IV how the organization meets the "facts-and-circumstances" test. The organization qualifies as a publicly supported organization ▶ <input checked="" type="checkbox"/>		
b 10%-facts-and-circumstances test—2012. 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 IV 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 9 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) 2009	(b) 2010	(c) 2011	(d) 2012	(e) 2013	(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) 2009	(b) 2010	(c) 2011	(d) 2012	(e) 2013	(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 IV.)						
13 Total support. (Add lines 9, 10c, 11, and 12.)						
14 First five years. If the Form 990 is for the organization's first, second, third, fourth, or fifth tax year as a section 501(c)(3) organization, check this box and stop here <input type="checkbox"/>						

Section C. Computation of Public Support Percentage

15 Public support percentage for 2013 (line 8, column (f) divided by line 13, column (f))	15	%
16 Public support percentage from 2012 Schedule A, Part III, line 15	16	%

Section D. Computation of Investment Income Percentage

17 Investment income percentage for 2013 (line 10c, column (f) divided by line 13, column (f))	17	%
18 Investment income percentage from 2012 Schedule A, Part III, line 17	18	%
19a 33 1/3% support tests—2013. If the organization did not check the box on line 14, and line 15 is more than 33 1/3%, and line 17 is not more than 33 1/3%, check this box and stop here . The organization qualifies as a publicly supported organization <input type="checkbox"/>		
b 33 1/3% support tests—2012. If the organization did not check a box on line 14 or line 19a, and line 16 is more than 33 1/3%, and line 18 is not more than 33 1/3%, check this box and stop here . The organization qualifies as a publicly supported organization <input type="checkbox"/>		
20 Private foundation. If the organization did not check a box on line 14, 19a, or 19b, check this box and see instructions <input type="checkbox"/>		

Part IV Supplemental Information. Provide the explanations required by Part II, line 10; Part II, line 17a or 17b; and Part III, line 12. Also complete this part for any additional information. (See instructions).

Line 17a : 10%-facts-and-circumstances test - 2013

Public support fraction at the end of FY8 was 32.3%, and the following text documents how this organization meets the facts and circumstances test.

This organization maintains a website to inform the public of our activities and to solicit funds from the public. We are currently working with other organizations (e.g., Kiva, Global Giving) to include a "donate online" option for public supporters, and in FY7 we were able to increase our public support fraction from 14.3% to 32.3% over the past two years.

Members of our Board of Directors present information about our organization and work at a number of public forums throughout the year, at universities (e.g., MIT, Eckerd College, University of Liege), conferences (e.g., EmTech, Solar Paces), and outreach events (e.g., Innoventures)

This organization actively solicits funds from governmental units, including the National Science Foundation (NSF) and the United States Agency for International Development (US AID).

To date, sources of support have been through individual donations, competitive grants and prizes, and industrial donations.

The governing body focuses on two important opportunities for this organization: technology transfer and education (within the USA and outside of these borders) and development of renewable energy technologies appropriate for use in impoverished rural areas. Both goals are in line with internationally supported goals to (1) provide quality education globally, and (2) support improved stewardship of the Earth system by using renewable energy sources. Our technology test facility has been installed at Eckerd College (St. Petersburg, FL) to provide a tool for both undergraduate and community education efforts; we have simultaneously been developing matching curricula which cover related engineering, energy, and social justice topics. This facility is open to the public for visitation during regular campus hours.

This organization is not a membership organization.