

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)?		✓
b	If "Yes," to line 35a, has the organization filed a Form 990-T for the year? If "No," provide an explanation in Schedule O		
c	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 0		
b	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?		✓
b	If "Yes," complete Schedule L, Part II and enter the total amount involved 38b		
39	Section 501(c)(7) organizations. Enter:		
a	Initiation fees and capital contributions included on line 9 39a		
b	Gross receipts, included on line 9, for public use of club facilities 39b		
40a	Section 501(c)(3) organizations. Enter amount of tax imposed on the organization during the year under: section 4911 ▶ 0 ; section 4912 ▶ 0 ; section 4955 ▶ 0		
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		✓
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 ▶ 0		
d	Section 501(c)(3) and 501(c)(4) organizations. Enter amount of tax on line 40c reimbursed by the organization ▶ 0		
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 ▶ Massachusetts		
42a	The organization's books are in care of ▶ Amy Mueller Telephone no. ▶ (617) 855-5805 Located at ▶ 40 Beacon St. #3, Somerville, MA ZIP + 4 ▶ 02143		
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.		✓
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		
44a	Did the organization maintain any donor advised funds during the year? If "Yes," Form 990 must be completed instead of Form 990-EZ		✓
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		✓
c	Did the organization receive any payments for indoor tanning services during the year?		✓
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

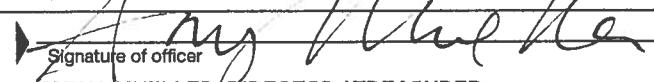
51 Complete this table for the organization's five highest compensated independent contractors who each received more than \$100,000 of compensation from the organization. If there is none, enter "None."

(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	2/14/15 Date
	AMY V. MUELLER, DIRECTOR / TREASURER Type or print name and title	

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

Name of the organization

Solar Turbine Group

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**

Employer identification number

76-0834926

Form 990-EZ Line 16: Other Expenses **TOTAL: \$ 29,753.42**

Materials and Equipment: \$ 18,380.23

Training: \$ 6,471.58

Depreciation: \$ 2,400.30

Travel: \$ 2092.44

insurance: \$ 300.99

Bank fees: \$ 57.88

Other (filing fees, etc.): \$ 50.00

Form 990-EZ Line 24: Other Assets **TOTAL: \$ 6,825.48**

Toyota Hilux - net worth: \$ 120.25

Optical sensor - net worth: \$ 776.04

Bandsaw - net worth: \$ 1,376.13

Spray Foam Machinery System - net worth: \$ 4,553.06

Form 990-EZ Line 22: Other Changes in Net Assets

NEW ACQUISITIONS TOTAL: \$ 6,934.81 8353.12

Bandsaw: \$ 1,934.81 (Placed in service 12/1/13, 7 year depreciation)

Spray Foam Machinery System: \$ 5,000.00 (Placed in service 2/1/14, 7 year depreciation)

SOLD:

SCHEDULE A
(Form 990 or 990-EZ)

Public Charity Status and Public Support

OMB No. 1545-0047

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

Open to Public Inspection

Name of the organization Solar Turbine Group, Inc.	Employer identification number 76-0834926
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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?

	Yes	No
(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?	11g(i)	
(ii) A family member of a person described in (i) above?	11g(ii)	
(iii) A 35% controlled entity of a person described in (i) or (ii) above?	11g(iii)	
 - h Provide the following information about the supported organization(s).

(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.")	9000.00	62302.81	10000.00	6919.60	16000.00	104222.41
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	9000.00	62302.81	10000.00	6919.60	16000.00	104222.41
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)						70880.61
6 Public support. Subtract line 5 from line 4.						33341.80

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	9000.00	62302.81	10000.00	6919.60	16000.00	104222.41
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						104222.41
12 Gross receipts from related activities, etc. (see instructions)					12	9507.05
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	32.0 %
15 Public support percentage from 2012 Schedule A, Part II, line 14	15	26.1 %
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** ►

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 ►

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 ►

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 **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 is 32.0%, 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 working with other organizations (e.g., Kiva, Global Giving) to include a "donate online" option for public supporters, which increased our public support from 21% to 32% over the past 2 years. Members of our Board of Directors present information about our organization and work at public forums throughout the year, including at universities (e.g., MIT, Eckerd College, University of Liege, National University of Lesotho), 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), and the United Nations Development Programme (UNDP). We also solicit funds from African governmental units, such as the Government of Lesotho, and are working to prepare an application to the African Development Bank.

To date, significant funds have been received from the World Bank and individual donations, as well as receipt of funds from competitive grants and prizes as well as industrial donations.

The governing body focuses on two important opportunities for this organization: technology transfer and education within Lesotho, 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. To date we have worked with a number of community partners within Lesotho including a vocational school, the National University, the Ministry of Health, the Ministry of Education, the Ministry of Science and Technology (Appropriate Technology Services), and NGOs working in the health sector in Lesotho. We have supported incorporation of a partner NGO in Lesotho, currently implementing a grant from the UNDP Small Grants Programme to work with our organization in scaling up education and outreach efforts focusing on solar energy technologies. We also have a solar test facility installed at a health facility in Lesotho to provide energy to the facility and document benefits gained through the electrification process; this is in partnership with the Lesotho Ministry of Health.

This organization is not a membership organization.