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Form <b>990</b>  Department of the Treasury Internal Revenue Service	<b>Return of Organization Exempt From Income Tax</b>  <b>Under section 501(c), 527, or 4947(a)(1) of the Internal Revenue Code (except black lung benefit trust or private foundation)</b>  ▶ The organization may have to use a copy of this return to satisfy state reporting requirements	OMB No 1545-0047
		<b>2011</b>
		<b>Open to Public Inspection</b>

<b>A For the 2011 calendar year, or tax year beginning 01-01-2011 and ending 12-31-2011</b>		
<b>B</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	<b>C</b> Name of organization Institute of Gas Technology  Doing Business As Gas Technology Institute  Number and street (or P O box if mail is not delivered to street address) Room/suite 1700 S Mount Prospect Road  City or town, state or country, and ZIP + 4 Des Plaines, IL 600181804	<b>D</b> Employer identification number  36-2170137
		<b>E</b> Telephone number  (847) 768-0500
		<b>G</b> Gross receipts \$ 98,954,803
	<b>F</b> Name and address of principal officer David C Carroll 1700 S Mount Prospect Road DesPlaines,IL 60018	<b>H(a)</b> Is this a group return for affiliates? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		<b>H(b)</b> Are all affiliates included? <input type="checkbox"/> Yes <input type="checkbox"/> No If "No," attach a list (see instructions)
<b>I</b> Tax-exempt status <input checked="" type="checkbox"/> 501(c)(3) <input type="checkbox"/> 501(c) ( ) ◀(Insert no ) <input type="checkbox"/> 4947(a)(1) or <input type="checkbox"/> 527	<b>H(c)</b> Group exemption number ▶	
<b>J Website:</b> ▶ www.gastechnology.org		
<b>K</b> Form of organization <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Trust <input type="checkbox"/> Association <input type="checkbox"/> Other ▶		<b>L</b> Year of formation 1941
		<b>M</b> State of legal domicile IL

Part I	Summary
Activities & Governance	<b>1</b> Briefly describe the organization’s mission or most significant activities GTI performs education services and energy and environmental research projects for industry and government in the United States GTI conducts educational courses on energy related topics and maintains and operates a library focusing on energy related topics
	<b>2</b> Check this box <input type="checkbox"/> if the organization discontinued its operations or disposed of more than 25% of its net assets
	<b>3</b> Number of voting members of the governing body (Part VI, line 1a) . . . . .
	<b>4</b> Number of independent voting members of the governing body (Part VI, line 1b) . . . . .
	<b>5</b> Total number of individuals employed in calendar year 2011 (Part V, line 2a) . . . . .
Revenue	<b>6</b> Total number of volunteers (estimate if necessary) . . . . .
	<b>7a</b> Total unrelated business revenue from Part VIII, column (C), line 12 . . . . .
	<b>b</b> Net unrelated business taxable income from Form 990-T, line 34 . . . . .
Expenses	<b>8</b> Contributions and grants (Part VIII, line 1h) . . . . .
	<b>9</b> Program service revenue (Part VIII, line 2g) . . . . .
	<b>10</b> Investment income (Part VIII, column (A), lines 3, 4, and 7d ) . . . . .
	<b>11</b> Other revenue (Part VIII, column (A), lines 5, 6d, 8c, 9c, 10c, and 11e)
	<b>12</b> Total revenue—add lines 8 through 11 (must equal Part VIII, column (A), line 12) . . . . .
	<b>13</b> Grants and similar amounts paid (Part IX, column (A), lines 1–3 ) . . . . .
	<b>14</b> Benefits paid to or for members (Part IX, column (A), line 4) . . . . .
	<b>15</b> Salaries, other compensation, employee benefits (Part IX, column (A), lines 5–10)
Net Assets or Fund Balances	<b>16a</b> Professional fundraising fees (Part IX, column (A), line 11e) . . . . .
	<b>b</b> Total fundraising expenses (Part IX, column (D), line 25) ▶ <sup>0</sup>
	<b>17</b> Other expenses (Part IX, column (A), lines 11a–11d, 11f–24e) . . . . .
	<b>18</b> Total expenses Add lines 13–17 (must equal Part IX, column (A), line 25)
	<b>19</b> Revenue less expenses Subtract line 18 from line 12 . . . . .
	<b>20</b> Total assets (Part X, line 16) . . . . .
	<b>21</b> Total liabilities (Part X, line 26) . . . . .
	<b>22</b> Net assets or fund balances Subtract line 21 from line 20 . . . . .

<b>Part II</b>	<b>Signature Block</b>
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.	

<b>Sign Here</b>	***** Signature of officer	2012-11-15 Date		
	James F Ingold VP Finance Treas CFO Type or print name and title			
<b>Paid Preparer's Use Only</b>	Preparer's signature	Date	Check if self-employed <input type="checkbox"/>	Preparer's taxpayer identification number (see instructions)
	Firm's name (or yours if self-employed), address, and ZIP + 4	EIN ▶		
	Phone no ▶			

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

Check if Schedule O contains a response to any question in this Part III . . . . . ☐

Education and energy and environmental research projects for industry and government in the United States GTI conducts educational courses on energy related topics and maintains and operates a library focusing on energy related topics

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

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 and section 4947(a)(1) trusts are required to report the amount of grants and allocations to others, the total expenses, and revenue, if any, for each program service reported.

<b>4a</b>	(Code )	(Expenses \$ 36,868,646	including grants of \$ )	(Revenue \$ 58,591,601 )
Sponsored energy and environmental research and development Program services expenses include direct costs on projects only, and exclude allocation of any indirect costs Estimated number of clients 250				

<b>4b</b>	(Code )	(Expenses \$ 1,586,410 including grants of \$ )	(Revenue \$ 2,558,576 )
	Education program and services	Program services expenses include direct costs on projects only, and exclude allocation of any indirect costs	Estimated number of clients 350








[illegible]

**4d** Other program services (Describe in Schedule O )  
(Expenses \$ including grants of \$ ) (Revenue \$ )

<b>4e</b>	<b>Total program service expenses</b>	<b>\$ 38,455,056</b>
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Part IV

Checklist of Required Schedules

		Yes	No
1	Is the organization described in section 501(c)(3) or 4947(a)(1) (other than a private foundation)? <i>If "Yes," complete Schedule A.</i> 	1	Yes
2	Is the organization required to complete <i>Schedule B, Schedule of Contributors</i> (see instructions)?	2	No
3	Did the organization engage in direct or indirect political campaign activities on behalf of or in opposition to candidates for public office? <i>If "Yes," complete Schedule C, Part I.</i>	3	No
4	<b>Section 501(c)(3) organizations.</b> Did the organization engage in lobbying activities, or have a section 501(h) election in effect during the tax year? <i>If "Yes," complete Schedule C, Part II.</i> 	4	Yes
5	Is the organization a section 501(c)(4), 501(c)(5), or 501(c)(6) organization that receives membership dues, assessments, or similar amounts as defined in Revenue Procedure 98-19? <i>If "Yes," complete Schedule C, Part III.</i>	5	
6	Did the organization maintain any donor advised funds or any similar funds or accounts for which donors have the right to provide advice on the distribution or investment of amounts in such funds or accounts? <i>If "Yes," complete Schedule D, Part I.</i>	6	No
7	Did the organization receive or hold a conservation easement, including easements to preserve open space, the environment, historic land areas or historic structures? <i>If "Yes," complete Schedule D, Part II.</i>	7	No
8	Did the organization maintain collections of works of art, historical treasures, or other similar assets? <i>If "Yes," complete Schedule D, Part III.</i>	8	No
9	Did the organization report an amount in Part X, line 21, serve as a custodian for amounts not listed in Part X, or provide credit counseling, debt management, credit repair, or debt negotiation services? <i>If "Yes," complete Schedule D, Part IV.</i>	9	No
10	Did the organization, directly or through a related organization, hold assets in temporarily restricted endowments, permanent endowments, or quasi-endowments? <i>If "Yes," complete Schedule D, Part V.</i>	10	No
11	If the organization's answer to any of the following questions is 'Yes,' then complete Schedule D, Parts VI, VII, VIII, IX, or X as applicable		
a	Did the organization report an amount for land, buildings, and equipment in Part X, line 10? <i>If "Yes," complete Schedule D, Part VI.</i> 	11a	Yes
b	Did the organization report an amount for investments—other securities in Part X, line 12 that is 5% or more of its total assets reported in Part X, line 16? <i>If "Yes," complete Schedule D, Part VII.</i>	11b	No
c	Did the organization report an amount for investments—program related in Part X, line 13 that is 5% or more of its total assets reported in Part X, line 16? <i>If "Yes," complete Schedule D, Part VIII.</i>	11c	No
d	Did the organization report an amount for other assets in Part X, line 15 that is 5% or more of its total assets reported in Part X, line 16? <i>If "Yes," complete Schedule D, Part IX.</i>	11d	No
e	Did the organization report an amount for other liabilities in Part X, line 25? <i>If "Yes," complete Schedule D, Part X.</i> 	11e	Yes
f	Did the organization's separate or consolidated financial statements for the tax year include a footnote that addresses the organization's liability for uncertain tax positions under FIN 48 (ASC 740)? <i>If "Yes," complete Schedule D, Part X.</i> 	11f	Yes
12a	Did the organization obtain separate, independent audited financial statements for the tax year? <i>If "Yes," complete Schedule D, Parts XI, XII, and XIII.</i>	12a	No
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, XII, and XIII is optional.</i> 	12b	Yes
13	Is the organization a school described in section 170(b)(1)(A)(ii)? <i>If "Yes," complete Schedule E.</i>	13	No
14a	Did the organization maintain an office, employees, or agents outside of the United States?	14a	No
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, Part I.</i> 	14b	Yes
15	Did the organization report on Part IX, column (A), line 3, more than \$5,000 of grants or assistance to any organization or entity located outside the U S ? <i>If "Yes," complete Schedule F, Part II and IV.</i>	15	No
16	Did the organization report on Part IX, column (A), line 3, more than \$5,000 of aggregate grants or assistance to individuals located outside the U S ? <i>If "Yes," complete Schedule F, Part III and IV.</i>	16	No
17	Did the organization report a total of more than \$15,000, of expenses for professional fundraising services on Part IX, column (A), lines 6 and 11e? <i>If "Yes," complete Schedule G, Part I.</i>	17	No
18	Did the organization report more than \$15,000 total of fundraising event gross income and contributions on Part VIII, lines 1c and 8a? <i>If "Yes," complete Schedule G, Part II.</i>	18	No
19	Did the organization report more than \$15,000 of gross income from gaming activities on Part VIII, line 9a? <i>If "Yes," complete Schedule G, Part III.</i>	19	No
20a	Did the organization operate one or more hospitals? <i>If "Yes," complete Schedule H.</i>	20a	No
b	If "Yes" to line 20a, did the organization attach its audited financial statement to this return? <b>Note.</b> All Form 990 filers that operated one or more hospitals must attach audited financial statements.	20b	

Part IV

Checklist of Required Schedules (continued)

21	Did the organization report more than \$5,000 of grants and other assistance to governments and organizations in the United States on Part IX, column (A), line 1? <i>If "Yes," complete Schedule I, Parts I and II . . .</i>	21		No
22	Did the organization report more than \$5,000 of grants and other assistance to individuals in the United States on Part IX, column (A), line 2? <i>If "Yes," complete Schedule I, Parts I and III . . .</i>	22		No
23	Did the organization answer "Yes" to Part VII, Section A, questions 3, 4, or 5, about compensation of the organization's current and former officers, directors, trustees, key employees, and highest compensated employees? <i>If "Yes," complete Schedule J . . .</i>	23	Yes	
24a	Did the organization have a tax-exempt bond issue with an outstanding principal amount of more than \$100,000 as of the last day of the year, that was issued after December 31, 2002? <i>If "Yes," answer questions 24b-24d and complete Schedule K. If "No," go to line 25 . . .</i>	24a		No
b	Did the organization invest any proceeds of tax-exempt bonds beyond a temporary period exception? . . .	24b		
c	Did the organization maintain an escrow account other than a refunding escrow at any time during the year to defease any tax-exempt bonds? . . .	24c		
d	Did the organization act as an "on behalf of" issuer for bonds outstanding at any time during the year? . . .	24d		
25a	<b>Section 501(c)(3) and 501(c)(4) organizations.</b> Did the organization engage in an excess benefit transaction with a disqualified person during the year? <i>If "Yes," complete Schedule L, Part I . . .</i>	25a		No
b	Is the organization aware that it engaged in an excess benefit transaction with a disqualified person in a prior year, and that the transaction has not been reported on any of the organization's prior Forms 990 or 990-EZ? <i>If "Yes," complete Schedule L, Part I . . .</i>	25b		No
26	Was a loan to or by a current or former officer, director, trustee, key employee, highly compensated employee, or disqualified person outstanding as of the end of the organization's tax year? <i>If "Yes," complete Schedule L, Part II . . .</i>	26		No
27	Did the organization provide a grant or other assistance to an officer, director, trustee, key employee, substantial contributor, or a grant selection committee member, or to a person related to such an individual? <i>If "Yes," complete Schedule L, Part III . . .</i>	27		No
28	Was the organization a party to a business transaction with one of the following parties? (see Schedule L, Part IV instructions for applicable filing thresholds, conditions, and exceptions)			
a	A current or former officer, director, trustee, or key employee? <i>If "Yes," complete Schedule L, Part IV . . .</i>	28a	Yes	
b	A family member of a current or former officer, director, trustee, or key employee? <i>If "Yes," complete Schedule L, Part IV . . .</i>	28b	Yes	
c	An entity of which a current or former officer, director, trustee, or key employee (or a family member thereof) was an officer, director, trustee, or owner? <i>If "Yes," complete Schedule L, Part IV . . .</i>	28c	Yes	
29	Did the organization receive more than \$25,000 in non-cash contributions? <i>If "Yes," complete Schedule M</i>	29		No
30	Did the organization receive contributions of art, historical treasures, or other similar assets, or qualified conservation contributions? <i>If "Yes," complete Schedule M . . .</i>	30		No
31	Did the organization liquidate, terminate, or dissolve and cease operations? <i>If "Yes," complete Schedule N, Part I . . .</i>	31		No
32	Did the organization sell, exchange, dispose of, or transfer more than 25% of its net assets? <i>If "Yes," complete Schedule N, Part II . . .</i>	32		No
33	Did the organization own 100% of an entity disregarded as separate from the organization under Regulations sections 301.7701-2 and 301.7701-3? <i>If "Yes," complete Schedule R, Part I . . .</i>	33		No
34	Was the organization related to any tax-exempt or taxable entity? <i>If "Yes," complete Schedule R, Parts II, III, IV, and V, line 1 . . .</i>	34	Yes	
35a	Is any related organization a controlled entity of the filing organization within the meaning of section 512(b)(13)?	35a	Yes	
b	Did the organization receive any payment from or engage in any transaction with a controlled entity within the meaning of section 512(b)(13)? <i>If "Yes," complete Schedule R, Part V, line 2 . . .</i>	35b	Yes	
36	<b>Section 501(c)(3) organizations.</b> Did the organization make any transfers to an exempt non-charitable related organization? <i>If "Yes," complete Schedule R, Part V, line 2 . . .</i>	36		No
37	Did the organization conduct more than 5% of its activities through an entity that is not a related organization and that is treated as a partnership for federal income tax purposes? <i>If "Yes," complete Schedule R, Part VI</i>	37		No
38	Did the organization complete Schedule O and provide explanations in Schedule O for Part VI, lines 11 and 19? <b>Note.</b> All Form 990 filers are required to complete Schedule O . . .	38	Yes	

<b>Part V</b> <b>Statements Regarding Other IRS Filings and Tax Compliance</b>				
Check if Schedule O contains a response to any question in this Part V <input type="checkbox"/>				
		<b>Yes</b>	<b>No</b>	
<b>1a</b>	Enter the number reported in Box 3 of Form 1096. Enter -0- if not applicable. .	<b>1a</b> 176		
<b>b</b>	Enter the number of Forms W-2G included in line 1a. Enter -0- if not applicable.	<b>1b</b> 0		
<b>c</b>	Did the organization comply with backup withholding rules for reportable payments to vendors and reportable gaming (gambling) winnings to prize winners?	<b>1c</b>	Yes	
<b>2a</b>	Enter the number of employees reported on Form W-3, <i>Transmittal of Wage and Tax Statements</i> filed for the calendar year ending with or within the year covered by this return. .	<b>2a</b> 266		
<b>b</b>	If at least one is reported on line 2a, did the organization file all required federal employment tax returns?  <b>Note.</b> If the sum of lines 1a and 2a is greater than 250, you may be required to e-file (see instructions).	<b>2b</b>		
<b>3a</b>	Did the organization have unrelated business gross income of \$1,000 or more during the year?	<b>3a</b>	Yes	
<b>b</b>	If "Yes," has it filed a Form 990-T for this year? If "No," provide an explanation in Schedule O.	<b>3b</b>	Yes	
<b>4a</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 or securities account)?	<b>4a</b>		No
<b>b</b>	If "Yes," enter the name of the foreign country: _____ See instructions for filing requirements for Form TD F 90-22.1, Report of Foreign Bank and Financial Accounts.			
<b>5a</b>	Was the organization a party to a prohibited tax shelter transaction at any time during the tax year?	<b>5a</b>		No
<b>b</b>	Did any taxable party notify the organization that it was or is a party to a prohibited tax shelter transaction?	<b>5b</b>		No
<b>c</b>	If "Yes" to line 5a or 5b, did the organization file Form 8886-T?	<b>5c</b>		
<b>6a</b>	Does the organization have annual gross receipts that are normally greater than \$100,000, and did the organization solicit any contributions that were not tax deductible?	<b>6a</b>		No
<b>b</b>	If "Yes," did the organization include with every solicitation an express statement that such contributions or gifts were not tax deductible?	<b>6b</b>		
<b>7</b>	<b>Organizations that may receive deductible contributions under section 170(c).</b>			
<b>a</b>	Did the organization receive a payment in excess of \$75 made partly as a contribution and partly for goods and services provided to the payor?	<b>7a</b>		No
<b>b</b>	If "Yes," did the organization notify the donor of the value of the goods or services provided?	<b>7b</b>		
<b>c</b>	Did the organization sell, exchange, or otherwise dispose of tangible personal property for which it was required to file Form 8282?	<b>7c</b>		No
<b>d</b>	If "Yes," indicate the number of Forms 8282 filed during the year.	<b>7d</b>		
<b>e</b>	Did the organization receive any funds, directly or indirectly, to pay premiums on a personal benefit contract?	<b>7e</b>		No
<b>f</b>	Did the organization, during the year, pay premiums, directly or indirectly, on a personal benefit contract?	<b>7f</b>		No
<b>g</b>	If the organization received a contribution of qualified intellectual property, did the organization file Form 8899 as required?	<b>7g</b>		
<b>h</b>	If the organization received a contribution of cars, boats, airplanes, or other vehicles, did the organization file a Form 1098-C?	<b>7h</b>		
<b>8</b>	<b>Sponsoring organizations maintaining donor advised funds and section 509(a)(3) supporting organizations.</b> Did the supporting organization, or a donor advised fund maintained by a sponsoring organization, have excess business holdings at any time during the year?	<b>8</b>		No
<b>9</b>	<b>Sponsoring organizations maintaining donor advised funds.</b>			
<b>a</b>	Did the organization make any taxable distributions under section 4966?	<b>9a</b>		No
<b>b</b>	Did the organization make a distribution to a donor, donor advisor, or related person?	<b>9b</b>		No
<b>10</b>	<b>Section 501(c)(7) organizations.</b> Enter			
<b>a</b>	Initiation fees and capital contributions included on Part VIII, line 12.	<b>10a</b>		
<b>b</b>	Gross receipts, included on Form 990, Part VIII, line 12, for public use of club facilities.	<b>10b</b>		
<b>11</b>	<b>Section 501(c)(12) organizations.</b> Enter			
<b>a</b>	Gross income from members or shareholders.	<b>11a</b>		
<b>b</b>	Gross income from other sources (Do not net amounts due or paid to other sources against amounts due or received from them).	<b>11b</b>		
<b>12a</b>	<b>Section 4947(a)(1) non-exempt charitable trusts.</b> Is the organization filing Form 990 in lieu of Form 1041?	<b>12a</b>		
<b>b</b>	If "Yes," enter the amount of tax-exempt interest received or accrued during the year.	<b>12b</b>		
<b>13</b>	<b>Section 501(c)(29) qualified nonprofit health insurance issuers.</b>			
<b>a</b>	Is the organization licensed to issue qualified health plans in more than one state? <b>Note.</b> All 501(c)(29) organizations must list in Schedule O each state in which they are licensed to issue qualified health plans, the amount of reserves required by each state, and the amount of reserves the organization allocated to each state.	<b>13a</b>		
<b>b</b>	Enter the aggregate amount of reserves the organization is required to maintain by the states in which the organization is licensed to issue qualified health plans.	<b>13b</b>		
<b>c</b>	Enter the aggregate amount of reserves on hand.	<b>13c</b>		
<b>14a</b>	Did the organization receive any payments for indoor tanning services during the tax year?	<b>14a</b>		No
<b>b</b>	If "Yes," has it filed a Form 720 to report these payments? If "No," provide an explanation in Schedule O.	<b>14b</b>		

Part VI

**Governance, Management, and Disclosure** For each "Yes" response to lines 2 through 7b below, and for a "No" response to lines 8a, 8b, or 10b below, describe the circumstances, processes, or changes in Schedule O. See instructions.  
Check if Schedule O contains a response to any question in this Part VI ☒

Section A. Governing Body and Management

		Yes	No
1a	Enter the number of voting members of the governing body at the end of the tax year . . . . .		
1a	14		
b	Enter the number of voting members included in line 1a, above, who are independent . . . . .	1b	10
2	Did any officer, director, trustee, or key employee have a family relationship or a business relationship with any other officer, director, trustee, or key employee? . . . . .	2	No
3	Did the organization delegate control over management duties customarily performed by or under the direct supervision of officers, directors or trustees, or key employees to a management company or other person? . . . . .	3	No
4	Did the organization make any significant changes to its governing documents since the prior Form 990 was filed? . . . . .	4	No
5	Did the organization become aware during the year of a significant diversion of the organization's assets? . . . . .	5	No
6	Did the organization have members or stockholders? . . . . .	6	Yes
7a	Did the organization have members, stockholders, or other persons who had the power to elect or appoint one or more members of the governing body? . . . . .	7a	Yes
b	Are any governance decisions of the organization reserved to (or subject to approval by) members, stockholders, or persons other than the governing body? . . . . .	7b	Yes
8	Did the organization contemporaneously document the meetings held or written actions undertaken during the year by the following . . . . .		
a	The governing body? . . . . .	8a	Yes
b	Each committee with authority to act on behalf of the governing body? . . . . .	8b	Yes
9	Is there any officer, director, trustee, or key employee listed in Part VII, Section A, who cannot be reached at the organization's mailing address? If "Yes," provide the names and addresses in Schedule O . . . . .	9	No

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

		Yes	No
10a	Did the organization have local chapters, branches, or affiliates? . . . . .	10a	No
b	If "Yes," did the organization have written policies and procedures governing the activities of such chapters, affiliates, and branches to ensure their operations are consistent with the organization's exempt purposes? . . . . .	10b	
11a	Has the organization provided a complete copy of this Form 990 to all members of its governing body before filing the form? . . . . .	11a	Yes
b	Describe in Schedule O the process, if any, used by the organization to review the Form 990 . . . . .		
12a	Did the organization have a written conflict of interest policy? If "No," go to line 13 . . . . .	12a	Yes
b	Were officers, directors or trustees, and key employees required to disclose annually interests that could give rise to conflicts? . . . . .	12b	Yes
c	Did the organization regularly and consistently monitor and enforce compliance with the policy? If "Yes," describe in Schedule O how this was done . . . . .	12c	Yes
13	Did the organization have a written whistleblower policy? . . . . .	13	Yes
14	Did the organization have a written document retention and destruction policy? . . . . .	14	Yes
15	Did the process for determining compensation of the following persons include a review and approval by independent persons, comparability data, and contemporaneous substantiation of the deliberation and decision? . . . . .		
a	The organization's CEO, Executive Director, or top management official . . . . .	15a	Yes
b	Other officers or key employees of the organization . . . . .	15b	Yes
	If "Yes," to line 15a or 15b, describe the process in Schedule O (see instructions) . . . . .		
16a	Did the organization invest in, contribute assets to, or participate in a joint venture or similar arrangement with a taxable entity during the year? . . . . .	16a	No
b	If "Yes," did the organization follow a written policy or procedure requiring the organization to evaluate its participation in joint venture arrangements under applicable federal tax law, and take steps to safeguard the organization's exempt status with respect to such arrangements? . . . . .	16b	

Section C. Disclosure

17	List the States with which a copy of this Form 990 is required to be filed <b>IL</b> , CA
18	Section 6104 requires an organization to make its Form 1023 (or 1024 if applicable), 990, and 990-T (501(c)(3)s only) available for public inspection. Indicate how you made these available. Check all that apply. <input type="checkbox"/> Own website <input type="checkbox"/> Another's website <input checked="" type="checkbox"/> Upon request
19	Describe in Schedule O whether (and if so, how), the organization made its governing documents, conflict of interest policy, and financial statements available to the public. See Additional Data Table.
20	State the name, physical address, and telephone number of the person who possesses the books and records of the organization. <b>James F Ingold</b> 1700 S Mount Prospect Road Des Plai DesPlaines, IL 600181804 (847) 768-0804

Part VII

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

Check if Schedule O contains a response to any question in this Part VII

Section A. Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees

1a Complete this table for all persons required to be listed Report compensation for the calendar year ending with or within the organization’s tax year

- List all of the organization’s **current** officers, directors, trustees (whether individuals or organizations), regardless of amount of compensation, and **current** key employees Enter -0- in columns (D), (E), and (F) if no compensation was paid
- List all of the organization’s **current** key employees, if any See instructions for definition of "key employee "
- List the organization’s five **current** highest compensated employees (other than an officer, director, trustee or key employee) who received reportable compensation (Box 5 of Form W-2 and/or Box 7 of Form 1099-MISC) of more than \$100,000 from the organization and any related organizations
- List all of the organization’s **former** officers, key employees, or highest compensated employees who received more than \$100,000 of reportable compensation from the organization and any related organizations
- List all of the organization’s **former directors or trustees** that received, in the capacity as a former director or trustee of the organization, more than \$10,000 of reportable compensation from the organization and any related organizations

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

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

(A) Name and Title	(B) Average hours per week (describe hours for related organizations in Schedule O)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						(D) Reportable compensation from the organization (W-2/1099-MISC)	(E) Reportable compensation from related organizations (W-2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations
		Individual trustee or director	Institutional Trustee	Officer	Key employee	Highest compensated employee	Former			
(1) Mr David C Carroll President CEO	40 00			X				601,177	0	68,116
(2) Mr Paul G Chromek General Counsel Secretary	40 00			X				216,151	0	63,082
(3) Mr John J Lewnard VP and Chief Tech Officer	40 00			X				248,119	0	47,938
(4) Mr Ronald N Snedic VP Corporate Development	40 00			X				230,244	0	57,767
(5) Mr Christopher Herman VP Finance, Treasurer and CFO	40 00			X				217,257	0	41,664
(6) Mr Vann Bush M D Energy Conversion	40 00				X			213,768	0	49,448
(7) Mr Eddie Johnston M D Infrastructure	40 00				X			206,966	0	39,907
(8) Mr William Liss M D End Use Solutions	40 00				X			192,192	0	62,161
(9) Mr Randall Barnard Director	1 00	X						0	0	0
(10) Mr Robert W Best Director	1 00	X						0	0	0
(11) Mr Arthur Corbin Director	1 00	X						0	0	0
(12) Mr Charles D Davidson Director	1 00	X						0	0	0
(13) Mr John Hofmeister Director	1 00	X						0	0	0
(14) Mr Terry D McCallister Chairman	1 00	X						0	0	0
(15) Mr Bruce Bryan RD Director	40 00				X			162,446	0	50,788
(16) Mr Tony Lindsay RD Director	40 00				X			158,399	0	34,877
(17) Ms Rebecca Ranich Vice Chairwoman	1 00	X						0	0	0



Part VII

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

(A) Name and Title	(B) Average hours per week (describe hours for related organizations in Schedule O )	(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			
(18) Mr David F Smith Director	1 00	X						0	0	0
(19) Mr John W Somerhalder II Director	1 00	X						0	0	0
(20) Ms Lori Traweek Director	1 00	X						0	0	0
(21) Mr Mark Fejer Chief Patent Counsel	40 00					X		197,272	0	51,662
(22) Mr Kent Perry Ex Dir EP Research	40 00					X		193,206	0	50,355
(23) Mr Hamid Abbasi Ex Dir EP Tech Dev	40 00					X		258,443	0	77,089
(24) Mr Quinton Ford Dir Contracting and Legal Affairs	40 00					X		191,703	0	39,108
(25) Mr Guy Lewis Exec Dir Strategic Growth Initiatives	40 00					X		184,827	0	53,454
(26) Mr Thomas E Skains Director	1 00	X						0	0	0
(27) Mr Alexander A Karsner Director	1 00	X						0	0	0
(28) Mr Marc Florette Director	1 00	X						0	0	0
(29) Mr Ron Jibson Director	1 00	X						0	0	0
(30) Mr Carlos Cabrera Director	1 00	X						0	0	0
1b Sub-Total . . . . .										
c Total from continuation sheets to Part VII, Section A . . . . .										
d Total (add lines 1b and 1c) . . . . .								3,472,170		787,416

2

Total number of individuals (including but not limited to those listed above) who received more than \$100,000 of reportable compensation from the organization76

		Yes	No
3	Did the organization list any <b>former</b> officer, director or trustee, key employee, or highest compensated employee on line 1a? <i>If "Yes," complete Schedule J for such individual</i> . . . . .		No
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> . . . . .	Yes	
5	Did any person listed on line 1a receive or accrue compensation from any unrelated organization or individual for services rendered to the organization? <i>If "Yes," complete Schedule J for such person</i> . . . . .		No

Section B. Independent Contractors

1

Complete this table for your five highest compensated independent contractors that received more than \$100,000 of compensation from the organization Report compensation for the calendar year ending with or within the organization's tax year

(A) Name and business address	(B) Description of services	(C) Compensation
Merrill Lynch 540 W Madison Street Suite 2020 Chicago, IL 60661	Investment Management	418,774
Geopure Hydrotechnologies LLC 777 Main St Suite 600 Fort Worth, TX 76102	Engineering Services	203,347
3-GIS LLC 402 Oak St NE Suite C Decatur, AL 35601	Engineering Services	176,799
Plante Moran PLLC 26300 Northwestern Highway Suite 12 Southfield, MI 48076	Auditing services	171,800
Michael J VanAcker 1308 Haddington Ct Palatine, IL 60067	Consulting Services-Proj Mgmt Support	159,400
2 Total number of independent contractors (including but not limited to those listed above) who received more than \$100,000 of compensation from the organization 9		

Part VIII

Statement of Revenue

				(A) Total revenue	(B) Related or exempt function revenue	(C) Unrelated business revenue	(D) Revenue excluded from tax under sections 512, 513, or 514
Contributions, gifts, grants and other similar amounts	1a	Federated campaigns . . .	1a				
	b	Membership dues . . . . .	1b	120,884			
	c	Fundraising events . . . . .	1c				
	d	Related organizations . . . .	1d				
	e	Government grants (contributions)	1e	25,703,714			
	f	All other contributions, gifts, grants, and similar amounts not included above	1f				
	g	Noncash contributions included in lines 1a-1f \$ _____					
	h	Total. Add lines 1a-1f . . . . .		25,824,598			
Program Service Revenue			Business Code				
	2a	Industry sponsored research	541700	32,761,501	23,227,797	9,533,704	
	b	Education/program development	611710	2,558,576	2,558,576		
	c	International member dues	519100	5,000	5,000		
	d	Library Services	519100	502	502		
	e						
	f	All other program service revenue					
	g	Total. Add lines 2a-2f . . . . .		35,325,579			
Other Revenue	3	Investment income (including dividends, interest and other similar amounts) . . . . .		1,538,240		867	1,537,373
	4	Income from investment of tax-exempt bond proceeds . .					
	5	Royalties . . . . .		1,710,557			1,710,557
	6a	Gross rents	(i) Real				
			(ii) Personal				
			273,065				
	b	Less rental expenses					
	c	Rental income or (loss)	273,065				
	d	Net rental income or (loss) . . . . .		273,065			273,065
	7a	Gross amount from sales of assets other than inventory	(i) Securities				
			(ii) Other				
			34,490,100				
	b	Less cost or other basis and sales expenses	32,464,799				
	c	Gain or (loss)	2,025,301				
	d	Net gain or (loss) . . . . .		2,025,301			2,025,301
	8a	Gross income from fundraising events (not including \$ _____ of contributions reported on line 1c) See Part IV, line 18 . . . . .	a				
	b	Less direct expenses . . . . .	b				
	c	Net income or (loss) from fundraising events . .					
	9a	Gross income from gaming activities See Part IV, line 19 . . . . .	a				
	b	Less direct expenses . . . . .	b				
	c	Net income or (loss) from gaming activities . .					
10a	Gross sales of inventory, less returns and allowances . . . . .	a					
b	Less cost of goods sold . . . . .	b					
c	Net income or (loss) from sales of inventory . .						
Miscellaneous Revenue		Business Code					
11a	Admin services	561000	6,773		6,773		
b							
c							
d	All other revenue . . . . .		46,373			46,373	
e	Total. Add lines 11a-11d . . . . .		-207,336				
12	Total revenue. See Instructions . . . . .		66,490,004	25,791,875	9,497,727	5,375,804	

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) but are not required to complete columns (B), (C), and (D)  
Check if Schedule O contains a response to any question 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 governments and organizations in the United States See Part IV, line 21	0			
2	Grants and other assistance to individuals in the United States See Part IV, line 22	0			
3	Grants and other assistance to governments, organizations, and individuals outside the United States See Part IV, lines 15 and 16	0			
4	Benefits paid to or for members	0			
5	Compensation of current officers, directors, trustees, and key employees	2,889,890	225,931	2,663,959	
6	Compensation not included above, to disqualified persons (as defined under section 4958(f)(1)) and persons described in section 4958(c)(3)(B)	0			
7	Other salaries and wages	17,741,125	7,504,372	10,236,753	
8	Pension plan contributions (include section 401(k) and section 403(b) employer contributions)	2,210,263	923,331	1,286,932	
9	Other employee benefits	3,897,064	1,527,147	2,369,917	
10	Payroll taxes	1,613,630	614,399	999,231	
11	Fees for services (non-employees)				
a	Management	279,996		279,996	
b	Legal	31,310		31,310	
c	Accounting	199,800		199,800	
d	Lobbying	351,290		351,290	
e	Professional fundraising See Part IV, line 17				
f	Investment management fees	418,774		418,774	
g	Other	19,453,405	18,464,699	988,706	
12	Advertising and promotion	145,632		145,632	
13	Office expenses	3,102,006	2,494,546	607,460	
14	Information technology	462,466		462,466	
15	Royalties	0			
16	Occupancy	1,729,815	108,280	1,621,535	
17	Travel	1,309,632	543,075	766,557	
18	Payments of travel or entertainment expenses for any federal, state, or local public officials	0			
19	Conferences, conventions, and meetings	177,146	139,359	37,787	
20	Interest	228,090		228,090	
21	Payments to affiliates	0			
22	Depreciation, depletion, and amortization	2,173,698	916,834	1,256,864	
23	Insurance	573,449		573,449	
24	Other expenses Itemize expenses not covered above (List miscellaneous expenses in line 24f If line 24f amount exceeds 10% of line 25, column (A) amount, list line 24f expenses on Schedule O )				
a	Other direct costs on sponsored internal projects	4,993,083	4,993,083		
b	Non Op Postretirement Ben Expense FAS 158	3,075,997		3,075,997	
c	State income tax expense	-15,000		-15,000	
d	Bad debt expense	14,392		14,392	
e					
f	All other expenses	1,814,153		1,814,153	
25	Total functional expenses. Add lines 1 through 24f	68,871,106	38,455,056	30,416,050	0
26	Joint costs. Check here <input type="checkbox"/> if following SOP 98-2 (ASC 958-720) Complete this line only if the organization reported in column (B) joint costs from a combined educational campaign and fundraising solicitation				

Part X

Balance Sheet

					(A)		(B)
					Beginning of year		End of year
Assets	1	Cash—non-interest-bearing . . . . .			1,688,650	1	1,071,051
	2	Savings and temporary cash investments . . . . .			1,722,986	2	2,219,011
	3	Pledges and grants receivable, net . . . . .				3	
	4	Accounts receivable, net . . . . .			15,584,340	4	17,277,721
	5	Receivables from current and former officers, directors, trustees, key employees, and highest compensated employees. Complete Part II of Schedule L . . . . .				5	
	6	Receivables from other disqualified persons (as defined under section 4958(f)(1)) and persons described in section 4958(c)(3)(B). Complete Part II of Schedule L . . . . .				6	
	7	Notes and loans receivable, net . . . . .			250,000	7	250,000
	8	Inventories for sale or use . . . . .				8	
	9	Prepaid expenses and deferred charges . . . . .			533,991	9	511,379
	10a	Land, buildings, and equipment, cost or other basis. Complete Part VI of Schedule D . . . . .	10a	39,566,220			
	b	Less: accumulated depreciation . . . . .	10b	24,365,973	16,192,181	10c	15,200,247
	11	Investments—publicly traded securities . . . . .			53,676,122	11	51,685,411
	12	Investments—other securities. See Part IV, line 11 . . . . .			1,637,987	12	577,388
	13	Investments—program-related. See Part IV, line 11 . . . . .				13	
	14	Intangible assets . . . . .				14	
	15	Other assets. See Part IV, line 11 . . . . .			1,244,918	15	
	16	<b>Total assets.</b> Add lines 1 through 15 (must equal line 34) . . . . .			92,531,175	16	88,792,208
Liabilities	17	Accounts payable and accrued expenses . . . . .			9,410,175	17	14,664,253
	18	Grants payable . . . . .				18	
	19	Deferred revenue . . . . .			8,016,560	19	8,197,244
	20	Tax-exempt bond liabilities . . . . .			2,800,000	20	2,500,000
	21	Escrow or custodial account liability. Complete Part IV of Schedule D . . . . .				21	
	22	Payables to current and former officers, directors, trustees, key employees, highest compensated employees, and disqualified persons. Complete Part II of Schedule L . . . . .				22	
	23	Secured mortgages and notes payable to unrelated third parties . . . . .				23	
	24	Unsecured notes and loans payable to unrelated third parties . . . . .			4,500,000	24	2,800,000
	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 . . . . .			147,275	25	31,474
	26	<b>Total liabilities.</b> Add lines 17 through 25 . . . . .			24,874,010	26	28,192,971
Net Assets or Fund Balances	<b>Organizations that follow SFAS 117, check here</b> <input checked="" type="checkbox"/> <b>and complete lines 27 through 29, and lines 33 and 34.</b>						
	27	Unrestricted net assets . . . . .			67,657,165	27	60,599,237
	28	Temporarily restricted net assets . . . . .				28	
	29	Permanently restricted net assets . . . . .				29	
	<b>Organizations that do not follow SFAS 117, check here</b> <input type="checkbox"/> <b>and complete lines 30 through 34.</b>						
	30	Capital stock or trust principal, or current funds . . . . .				30	
	31	Paid-in or capital surplus, or land, building or equipment fund . . . . .				31	
	32	Retained earnings, endowment, accumulated income, or other funds . . . . .				32	
	33	<b>Total net assets or fund balances</b> . . . . .			67,657,165	33	60,599,237
	34	<b>Total liabilities and net assets/fund balances</b> . . . . .			92,531,175	34	88,792,208

**Part XI Reconciliation of Net Assets**

Check if Schedule O contains a response to any question in this Part XI ☒

<b>1</b>	Total revenue (must equal Part VIII, column (A), line 12)	<b>1</b>	66,490,004
<b>2</b>	Total expenses (must equal Part IX, column (A), line 25)	<b>2</b>	68,871,106
<b>3</b>	Revenue less expenses Subtract line 2 from line 1	<b>3</b>	-2,381,102
<b>4</b>	Net assets or fund balances at beginning of year (must equal Part X, line 33, column (A))	<b>4</b>	67,657,165
<b>5</b>	Other changes in net assets or fund balances (explain in Schedule O)	<b>5</b>	-4,676,826
<b>6</b>	Net assets or fund balances at end of year Combine lines 3, 4, and 5 (must equal Part X, line 33, column (B))	<b>6</b>	60,599,237

**Part XII Financial Statements and Reporting**

Check if Schedule O contains a response to any question in this Part XII ☐

		Yes	No
<b>1</b>	Accounting method used to prepare the Form 990 <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Accrual <input type="checkbox"/> Other _____ If the organization changed its method of accounting from a prior year or checked "Other," explain in Schedule O		
<b>2a</b>	Were the organization's financial statements compiled or reviewed by an independent accountant?		No
<b>b</b>	Were the organization's financial statements audited by an independent accountant?	Yes	
<b>c</b>	If "Yes," to 2a or 2b, does the organization have a committee that assumes responsibility for oversight of the audit, review, or compilation of its financial statements and selection of an independent accountant? If the organization changed either its oversight process or selection process during the tax year, explain in Schedule O	Yes	
<b>d</b>	If "Yes" to line 2a or 2b, check a box below to indicate whether the financial statements for the year were issued on a separate basis, consolidated basis, or both <input type="checkbox"/> Separate basis <input checked="" type="checkbox"/> Consolidated basis <input type="checkbox"/> Both consolidated and separated basis		
<b>3a</b>	As a result of a federal award, was the organization required to undergo an audit or audits as set forth in the Single Audit Act and OMB Circular A-133?	Yes	
<b>b</b>	If "Yes," did the organization undergo the required audit or audits? If the organization did not undergo the required audit or audits, explain why in Schedule O and describe any steps taken to undergo such audits	Yes	

SCHEDULE A  
(Form 990 or 990EZ)

Department of the Treasury  
Internal Revenue Service

Public Charity Status and Public Support

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

▶ Attach to Form 990 or Form 990-EZ. ▶ See separate instructions.

OMB No 1545-0047

2011

Open to Public  
Inspection

Name of the organization Institute of Gas Technology	Employer identification number 36-2170137
---	--

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 **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 Se**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 - Other

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 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?

h

☐

Provide the following information about the supported organization(s)

	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 support?
			Yes	No	Yes	No	Yes	No	
Total									

Part II

Support Schedule for Organizations Described in IRC 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) 2007	(b) 2008	(c) 2009	(d) 2010	(e) 2011	(f) Total
1 Gifts, grants, contributions, and membership fees received (Do not include any "unusual grants ")						
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 <b>Total.</b> Add lines 1 through 3						
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)						
6 <b>Public Support.</b> Subtract line 5 from line 4						0

Section B. Total Support							
Calendar year (or fiscal year beginning in)		(a) 2007	(b) 2008	(c) 2009	(d) 2010	(e) 2011	(f) Total
7	Amounts from line 4						
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 (Explain in Part IV ) Do not include gain or loss from the sale of capital assets						
11	<b>Total support</b> (Add lines 7 through 10)						
12	Gross receipts from related activities, etc (See instructions )					12	
13	<b>First Five Years</b> If the Form 990 is for the organization's first, second, third, fourth, or fifth tax year as a 501(c)(3) organization, check this box and <b>stop here</b>						

Section C. Computation of Public Support Percentage			
14	Public Support Percentage for 2011 (line 6 column (f) divided by line 11 column (f))	14	0 %
15	Public Support Percentage for 2010 Schedule A, Part II, line 14	15	
16a	<b>33 1/3% support test—2011.</b> If the organization did not check the box on line 13, and line 14 is 33 1/3% or more, check this box and <b>stop here.</b> The organization qualifies as a publicly supported organization		
b	<b>33 1/3% support test—2010.</b> If the organization did not check the box on line 13 or 16a, and line 15 is 33 1/3% or more, check this box and <b>stop here.</b> The organization qualifies as a publicly supported organization		
17a	<b>10%-facts-and-circumstances test—2011.</b> 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 <b>stop here.</b> Explain in Part IV how the organization meets the "facts and circumstances" test The organization qualifies as a publicly supported organization		
b	<b>10%-facts-and-circumstances test—2010.</b> 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 <b>stop here.</b> Explain in Part IV how the organization meets the "facts and circumstances" test The organization qualifies as a publicly supported organization		
18	<b>Private Foundation</b> If the organization did not check a box on line 13, 16a, 16b, 17a or 17b, check this box and see instructions		

Part IIIPart III

Support Schedule for Organizations Described in IRC 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) 2007	(b) 2008	(c) 2009	(d) 2010	(e) 2011	(f) Total
1 Gifts, grants, contributions, and membership fees received (Do not include any "unusual grants.")	10,777,210	11,212,297	12,053,084	20,026,815	25,824,598	79,894,004
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	32,763,604	35,013,303	37,151,419	28,425,389	25,791,874	159,145,589
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	43,540,814	46,225,600	49,204,503	48,452,204	51,616,472	239,039,593
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	16,607,162	21,920,300	24,925,190	17,403,480	15,253,431	96,109,563
c Add lines 7a and 7b	16,607,162	21,920,300	24,925,190	17,403,480	15,253,431	96,109,563
8 Public Support (Subtract line 7c from line 6.)						142,930,030

Section B. Total Support						
Calendar year (or fiscal year beginning in)	(a) 2007	(b) 2008	(c) 2009	(d) 2010	(e) 2011	(f) Total
9 Amounts from line 6	43,540,814	46,225,600	49,204,503	48,452,204	51,616,472	239,039,593
10a Gross income from interest, dividends, payments received on securities loans, rents, royalties and income from similar sources	9,025,785	6,326,252	7,035,148	3,458,726	3,304,130	29,150,041
b Unrelated business taxable income (less section 511 taxes) from businesses acquired after June 30, 1975						0
c Add lines 10a and 10b	9,025,785	6,326,252	7,035,148	3,458,726	3,304,130	29,150,041
11 Net income from unrelated business activities not included in line 10b, whether or not the business is regularly carried on	7,792	7,039	44,391	263,232	46,373	368,827
12 Other income. Do not include gain or loss from the sale of capital assets (Explain in Part IV.)						0
13 Total support (Add lines 9, 10c, 11 and 12.)	52,574,391	52,558,891	56,284,042	52,174,162	54,966,975	268,558,461
14 First Five Years If the Form 990 is for the organization's first, second, third, fourth, or fifth tax year as a 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 2011 (line 8 column (f) divided by line 13 column (f))	15	53.220 %
16 Public support percentage from 2010 Schedule A, Part III, line 15	16	50.620 %

Section D. Computation of Investment Income Percentage		
17 Investment income percentage for 2011 (line 10c column (f) divided by line 13 column (f))	17	10.850 %
18 Investment income percentage from 2010 Schedule A, Part III, line 17	18	12.200 %
19a 33 1/3% support tests—2011. 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—2010. 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.** Supplemental Information. Complete this part to provide the explanation required by Part II, line 10; Part II, line 17a or 17b; or Part III, line 12. Also complete this part for any additional information. (See instructions).

Facts And Circumstances Test

Explanation

Additional Data

Software ID: 11000218

Software Version: 2011.0.0

EIN: 36-2170137

Name: Institute of Gas Technology

Form 990, Special Condition Description:

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

(A) Name and Title	(B) Average hours per week	(C) Position (check all that apply)						(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			
Mr David C Carroll President CEO	40 00			X				601,177	0	68,116
Mr Paul G Chromek General Counsel Secretary	40 00			X				216,151	0	63,082
Mr John J Lewnard VP and Chief Tech Officer	40 00			X				248,119	0	47,938
Mr Ronald N Snedic VP Corporate Development	40 00			X				230,244	0	57,767
Mr Christopher Herrman VP Finance, Treasurer and CFO	40 00			X				217,257	0	41,664
Mr Vann Bush M D Energy Conversion	40 00				X			213,768	0	49,448
Mr Eddie Johnston M D Infrastructure	40 00				X			206,966	0	39,907
Mr Willam Liss M D End Use Solutions	40 00				X			192,192	0	62,161
Mr Randall Barnard Director	1 00	X						0	0	0
Mr Robert W Best Director	1 00	X						0	0	0
Mr Arthur Corbin Director	1 00	X						0	0	0
Mr Charles D Davidson Director	1 00	X						0	0	0
Mr John Hofmeister Director	1 00	X						0	0	0
Mr Terry D McCallister Chairman	1 00	X						0	0	0
Mr Bruce Bryan RD Director	40 00				X			162,446	0	50,788
Mr Tony Lindsay RD Director	40 00				X			158,399	0	34,877
Ms Rebecca Ranich Vice Chairwoman	1 00	X						0	0	0
Mr David F Smith Director	1 00	X						0	0	0
Mr John W Somerhalder II Director	1 00	X						0	0	0
Ms Lori Traweek Director	1 00	X						0	0	0
Mr Mark Fejer Chief Patent Counsel	40 00					X		197,272	0	51,662
Mr Kent Perry Ex Dir EP Research	40 00					X		193,206	0	50,355
Mr Hamid Abbasi Ex Dir EP Tech Dev	40 00					X		258,443	0	77,089
Mr Quinton Ford Dir Contracting and Legal Affairs	40 00					X		191,703	0	39,108
Mr Guy Lewis Exec Dir Strategic Growth Initiatives	40 00					X		184,827	0	53,454

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

(A) Name and Title	(B) Average hours per week	(C) Position (check all that apply)						(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			
Mr Thomas E Skains Director	1 00	X						0	0	0
Mr Alexander A Karsner Director	1 00	X						0	0	0
Mr Marc Florette Director	1 00	X						0	0	0
Mr Ron Jibson Director	1 00	X						0	0	0
Mr Carlos Cabrera Director	1 00	X						0	0	0

SCHEDULE C  
(Form 990 or 990-EZ)

Department of the Treasury  
Internal Revenue Service

Political Campaign and Lobbying Activities

For Organizations Exempt From Income Tax Under section 501(c) and section 527

▶ Complete if the organization is described below.  
▶ Attach to Form 990 or Form 990-EZ. ▶ See separate instructions.

OMB No 1545-0047

2011

Open to Public Inspection

If the organization answered “Yes,” to 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,” to 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,” to Form 990, Part IV, Line 5 (Proxy Tax) or Form 990-EZ, line 35c (Proxy Tax), then

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

Name of the organization Institute of Gas Technology	Employer identification number  36-2170137
---	--

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 on behalf of or in opposition to candidates for public office in Part IV	
2	Political expenditures	▶ \$
3	Volunteer hours	

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?	<input type="checkbox"/> Yes <input type="checkbox"/> No
4a	Was a correction made?	<input type="checkbox"/> Yes <input type="checkbox"/> 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?	<input type="checkbox"/> Yes <input type="checkbox"/> 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-

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 (grass roots 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														
e	Total exempt purpose expenditures (add lines 1c and 1d)														
f	Lobbying nontaxable amount. Enter the amount from the following table in both columns.														
<table><tr><td>If the amount on line 1e, column (a) or (b) is:</td><td>The lobbying nontaxable amount is:</td></tr><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></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)														
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 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 instructions for lines 2a through 2f on page 4.)

Lobbying Expenditures During 4-Year Averaging Period					
Calendar year (or fiscal year beginning in)	(a) 2008	(b) 2009	(c) 2010	(d) 2011	(e) Total
2a Lobbying non-taxable amount					
b Lobbying ceiling amount (150% of line 2a, column(e))					
c Total lobbying expenditures					
d Grassroots non-taxable amount					
e Grassroots ceiling amount (150% of line 2d, column (e))					
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)).**

		(a)		(b)
		Yes	No	Amount
<b>1</b>	During the year, did the filing organization attempt to influence foreign, national, state or local legislation, including any attempt to influence public opinion on a legislative matter or referendum, through the use of			
<b>a</b>	Volunteers?		No	
<b>b</b>	Paid staff or management (include compensation in expenses reported on lines 1c through 1i)?	Yes		
<b>c</b>	Media advertisements?		No	
<b>d</b>	Mailings to members, legislators, or the public?		No	
<b>e</b>	Publications, or published or broadcast statements?		No	
<b>f</b>	Grants to other organizations for lobbying purposes?		No	
<b>g</b>	Direct contact with legislators, their staffs, government officials, or a legislative body?	Yes		388,963
<b>h</b>	Rallies, demonstrations, seminars, conventions, speeches, lectures, or any similar means?		No	
<b>i</b>	Other activities? If "Yes," describe in Part IV		No	
<b>j</b>	Total lines 1c through 1i			388,963
<b>2a</b>	Did the activities in line 1 cause the organization to be not described in section 501(c)(3)?		No	
<b>b</b>	If "Yes," enter the amount of any tax incurred under section 4912			
<b>c</b>	If "Yes," enter the amount of any tax incurred by organization managers under section 4912			
<b>d</b>	If the filing organization incurred a section 4912 tax, did it file Form 4720 for this year?			

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

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

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

<b>1</b>	Dues, assessments and similar amounts from members	<b>1</b>	
<b>2</b>	Section 162(e) non-deductible lobbying and political expenditures ( <b>do not include amounts of political expenses for which the section 527(f) tax was paid</b> ).		
<b>a</b>	Current year	<b>2a</b>	
<b>b</b>	Carryover from last year	<b>2b</b>	
<b>c</b>	Total	<b>2c</b>	
<b>3</b>	Aggregate amount reported in section 6033(e)(1)(A) notices of nondeductible section 162(e) dues	<b>3</b>	
<b>4</b>	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?	<b>4</b>	
<b>5</b>	Taxable amount of lobbying and political expenditures (see instructions)	<b>5</b>	

**Part IV Supplemental Information**

Complete this part to provide the descriptions required for Part I-A, line 1, Part I-B, line 4, Part I-C, line 5, and Part II-B, line 1i. Also, complete this part for any additional information.

Identifier	Return Reference	Explanation
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SCHEDULE D  
(Form 990)

Department of the Treasury  
Internal Revenue Service

Supplemental Financial Statements

► Complete if the organization answered "Yes," to Form 990, Part IV, line 6, 7, 9, 10, 11a, 11b, 11c, 11d, 11e, 11f, 12a, or 12b  
► Attach to Form 990. ► See separate instructions.

OMB No 1545-0047

2011

Open to Public Inspection

Name of the organization  
Institute of Gas Technology

Employer identification number  
36-2170137

Part I Organizations Maintaining Donor Advised Funds or Other Similar Funds or Accounts. Complete if the organization answered "Yes" to Form 990, Part IV, line 6.

	(a) Donor advised funds	(b) Funds and other accounts
1	Total number at end of year	
2	Aggregate contributions to (during year)	
3	Aggregate grants from (during year)	
4	Aggregate value at end of year	
5	Did the organization inform all donors and donor advisors in writing that the assets held in donor advised funds are the organization's property, subject to the organization's exclusive legal control? <div><input type="checkbox"/> Yes <input type="checkbox"/> No</div>	
6	Did the organization inform all grantees, donors, and donor advisors in writing that grant funds may be used only for charitable purposes and not for the benefit of the donor or donor advisor, or for any other purpose conferring impermissible private benefit <div><input type="checkbox"/> Yes <input type="checkbox"/> No</div>	

Part II Conservation Easements. Complete if the organization answered "Yes" to Form 990, Part IV, line 7.

1

Purpose(s) of conservation easements held by the organization (check all that apply)

☐ Preservation of land for public use (e g , recreation or pleasure)☐ Preservation of an historically importantly land area  
☐ Protection of natural habitat☐ Preservation of a certified historic structure  
☐ Preservation of open space

2

Complete lines 2a–2d if the organization held a qualified conservation contribution in the form of a conservation easement on the last day of the tax year

	Held at the End of the Year
a	Total number of conservation easements
b	Total acreage restricted by conservation easements
c	Number of conservation easements on a certified historic structure included in (a)
d	Number of conservation easements included in (c) acquired after 8/17/06

3

Number of conservation easements modified, transferred, released, extinguished, or terminated by the organization during the taxable year ► \_\_\_\_\_

4

Number of states where property subject to conservation easement is located ► \_\_\_\_\_

5

Does the organization have a written policy regarding the periodic monitoring, inspection, handling of violations, and enforcement of the conservation easements it holds?

☐ Yes ☐ No

6

Staff and volunteer hours devoted to monitoring, inspecting and enforcing conservation easements during the year ► \_\_\_\_\_

7

Amount of expenses incurred in monitoring, inspecting, and enforcing conservation easements during the year  
► \$ \_\_\_\_\_

8

Does each conservation easement reported on line 2(d) above satisfy the requirements of section 170(h)(4)(B)(i) and 170(h)(4)(B)(ii)?

☐ Yes ☐ No

9

In Part XIV, describe how the organization reports conservation easements in its revenue and expense statement, and balance sheet, and include, if applicable, the text of the footnote to the organization's financial statements that describes the organization's accounting for conservation easements

Part III Organizations Maintaining Collections of Art, Historical Treasures, or Other Similar Assets. Complete if the organization answered "Yes" to Form 990, Part IV, line 8.

1a

If the organization elected, as permitted under SFAS 116, not to report in its revenue statement and balance sheet works of art, historical treasures, or other similar assets held for public exhibition, education or research in furtherance of public service, provide, in Part XIV, the text of the footnote to its financial statements that describes these items

b

If the organization elected, as permitted under SFAS 116, to report in its revenue statement and balance sheet works of art, historical treasures, or other similar assets held for public exhibition, education, or research in furtherance of public service, provide the following amounts relating to these items

(i) Revenues included in Form 990, Part VIII, line 1

► \$ \_\_\_\_\_

(ii) Assets included in Form 990, Part X

► \$ \_\_\_\_\_

2

If the organization received or held works of art, historical treasures, or other similar assets for financial gain, provide the following amounts required to be reported under SFAS 116 relating to these items

a

Revenues included in Form 990, Part VIII, line 1

► \$ \_\_\_\_\_

b

Assets included in Form 990, Part X

► \$ \_\_\_\_\_

For Privacy Act and Paperwork Reduction Act Notice, see the Intructions for Form 990

Cat No 52283D

Schedule D (Form 990) 2011

Part III

Organizations Maintaining Collections of Art, Historical Treasures, or Other Similar Assets (continued)

3

Using the organization's accession and other records, check any of the following that are a significant use of its collection items (check all that apply)

a

☐ Public exhibition

d

☐ Loan or exchange programs

b

☐ Scholarly research

e

☐ Other

c

☐ Preservation for future generations

4

Provide a description of the organization's collections and explain how they further the organization's exempt purpose in Part XIV

5

During the year, did the organization solicit or receive donations of art, historical treasures or other similar assets to be sold to raise funds rather than to be maintained as part of the organization's collection?

☐ Yes

☐ No

Part IV

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

1a

Is the organization an agent, trustee, custodian or other intermediary for contributions or other assets not included on Form 990, Part X?

☐ Yes

☐ No

b

If "Yes," explain the arrangement in Part XIV and complete the following table

	Amount
1c	
1d	
1e	
1f	

2a

Did the organization include an amount on Form 990, Part X, line 21?

☐ Yes

☒ No

b

If "Yes," explain the arrangement in Part XIV

Part V

Endowment Funds. Complete if the organization answered "Yes" to Form 990, Part IV, line 10.

	(a)Current Year	(b)Prior Year	(c)Two Years Back	(d)Three Years Back	(e)Four Years Back
1a	Beginning of year balance . . . . .				
b	Contributions . . . . .				
c	Investment earnings or 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 year end balance held as

a

Board designated or quasi-endowment ▶

b

Permanent endowment ▶

c

Term endowment ▶

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 . . . . .

b

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

	Yes	No
3a(i)		
3a(ii)		
3b		

4

Describe in Part XIV the intended uses of the organization's endowment funds

Part VI

Land, Buildings, and Equipment. See Form 990, Part X, line 10.

Description of property	(a) Cost or other basis (investment)	(b)Cost or other basis (other)	(c) Accumulated depreciation	(d) Book value
1a Land . . . . .		1,467,719		1,017,857
b Buildings . . . . .		26,071,538	13,465,613	12,605,925
c Leasehold improvements . . . . .				
d Equipment . . . . .		9,962,847	8,524,249	1,438,598
e Other . . . . .		2,064,116	1,926,249	137,867
Total. Add lines 1a-1e (Column (d) should equal Form 990, Part X, column (B), line 10(c).) . . . . . ▶				15,200,247





Part XI Reconciliation of Change in Net Assets from Form 990 to Financial Statements			
1	Total revenue (Form 990, Part VIII, column (A), line 12)	1	66,490,004
2	Total expenses (Form 990, Part IX, column (A), line 25)	2	68,871,106
3	Excess or (deficit) for the year Subtract line 2 from line 1	3	-2,381,102
4	Net unrealized gains (losses) on investments	4	
5	Donated services and use of facilities	5	
6	Investment expenses	6	
7	Prior period adjustments	7	
8	Other (Describe in Part XIV)	8	
9	Total adjustments (net) Add lines 4 - 8	9	
10	Excess or (deficit) for the year per financial statements Combine lines 3 and 9	10	-2,381,102

Part XII Reconciliation of Revenue per Audited Financial Statements With Revenue per Return			
1	Total revenue, gains, and other support per audited financial statements . . . . .	1	
2	Amounts included on line 1 but not on Form 990, Part VIII, line 12		
a	Net unrealized gains on investments . . . . .	2a	
b	Donated services and use of facilities . . . . .	2b	
c	Recoveries of prior year grants . . . . .	2c	
d	Other (Describe in Part XIV) . . . . .	2d	
e	Add lines 2a through 2d . . . . .	2e	
3	Subtract line 2e from line 1 . . . . .	3	
4	Amounts included on Form 990, Part VIII, line 12, but not on line 1		
a	Investment expenses not included on Form 990, Part VIII, line 7b . . . . .	4a	
b	Other (Describe in Part XIV) . . . . .	4b	
c	Add lines 4a and 4b . . . . .	4c	
5	Total Revenue Add lines 3 and 4c. (This should equal Form 990, Part I, line 12 ) . . . . .	5	

Part XIII Reconciliation of Expenses per Audited Financial Statements With Expenses per Return			
1	Total expenses and losses per audited financial statements . . . . .	1	
2	Amounts included on line 1 but not on Form 990, Part IX, line 25		
a	Donated services and use of facilities . . . . .	2a	
b	Prior year adjustments . . . . .	2b	
c	Other losses . . . . .	2c	
d	Other (Describe in Part XIV) . . . . .	2d	
e	Add lines 2a through 2d . . . . .	2e	
3	Subtract line 2e from line 1 . . . . .	3	
4	Amounts included on Form 990, Part IX, line 25, but not on line 1:		
a	Investment expenses not included on Form 990, Part VIII, line 7b . . . . .	4a	
b	Other (Describe in Part XIV) . . . . .	4b	
c	Add lines 4a and 4b . . . . .	4c	
5	Total expenses Add lines 3 and 4c. (This should equal Form 990, Part I, line 18 ) . . . . .	5	

Part XIV Supplemental Information			
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Complete this part to 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, Part XI, line 8, Part XII, lines 2d and 4b, and Part XIII, lines 2d and 4b. Also complete this part to provide any additional information.

Identifier	Return Reference	Explanation
X	2	Management has analyzed the tax positions taken by GTI, and has concluded that as of December 31, 2011 and 2010, there were no uncertain tax positions taken or expected to be taken that would require recognition of a liability or disclosure in the consolidated financial statements.

SCHEDULE F  
(Form 990)

Department of the Treasury  
Internal Revenue Service

Statement of Activities Outside the United States

► Complete if the organization answered "Yes" to Form 990,  
Part IV, line 14b, 15, or 16.  
► Attach to Form 990. ► See separate instructions.

OMB No 1545-0047

2011

Open to Public  
Inspection

Name of the organization  
Institute of Gas Technology

Employer identification number  
36-2170137

Part I

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

- 1 For grantmakers. Does the organization maintain records to substantiate the amount of the grants or assistance, the grantees' eligibility for the grants or assistance, and the selection criteria used to award the grants or assistance? . . . . . ☒ Yes ☐ No
- 2 For grantmakers. Describe in Part V the organization's procedures for monitoring the use of grant funds outside the United States
- 3 Activites per Region (Use Part V if additional space is needed )

(a) Region	(b) Number of offices in the region	(c) Number of employees or agents in region or independent contractors	(d) Activities conducted in region (by type) (e g , fundraising, program services, investments, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in region	(f) Total expenditures for region/investments in region
Europe			Program services	Scientific research	12,461
Europe			Unrelated trade or business		3,707
Europe			Indirect management activity		112,424
East Asia and the Pacific			Program services	Scientific research	26,797
East Asia and the Pacific			Indirect management activity		49,990
Middle East and North Africa			Program Services	Scientific research	6,685
Middle East and North Africa			Unrelated trade or business		1,659
Middle East and North Africa			Indirect management activity		3,912
South America			Unrelated trade or business		2,522
South America			Indirect management activity		6,269
North America			Program Services	Education related	4,223
Europe			Program Services	Education related	
Central America and the Caribbean			Program Services	Education related	
3a Sub-total					230,649
b Total from continuation sheets to Part I					
c Totals (add lines 3a and 3b)					230,649

**1**

2 Enter total number of recipient organizations listed above that are recognized as charities by the foreign country, recognized as tax-exempt by the IRS, or for which the grantee or counsel has provided a section 501(c)(3) equivalency letter . . . . . ► \_\_\_\_\_

3 Enter total number of other organizations or entities . . . . . ► \_\_\_\_\_

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

[illegible]

**Part IV Foreign Forms**

- 1

Was the organization a U S transferor of property to a foreign corporation during the tax year? *If "Yes," the organization may be required to file Form 926 (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 file Form 3520 and/or Form 3520-A. (see instructions for Forms 3520 and 3520-A)*

☐

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, 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 file Form 5713, International Boycott Report (see instructions for Form 5713).*

☐

Yes

☒

No

## Supplemental Information

Complete this part to provide the information (see instructions) required in Part I, line 2, and any additional information.

[illegible]

Schedule J  
(Form 990)

Compensation Information

OMB No 1545-0047

2011

Open to Public Inspection

For certain Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees

▶ Complete if the organization answered "Yes" to Form 990, Part IV, question 23.

▶ Attach to Form 990. ▶ See separate instructions.

Name of the organization  
Institute of Gas Technology

Employer identification number  
  
36-2170137

Part I

Questions Regarding Compensation

		Yes	No
1a	Check the appropriate box(es) if the organization provided any of the following to or for a person listed in Form 990, Part VII, Section A, line 1a Complete Part III to provide any relevant information regarding these items		
	<div><div><input type="checkbox"/> First-class or charter travel</div><div><input type="checkbox"/> Housing allowance or residence for personal use</div><div><input checked="" type="checkbox"/> Travel for companions</div><div><input type="checkbox"/> Payments for business use of personal residence</div><div><input type="checkbox"/> Tax idemnification and gross-up payments</div><div><input checked="" type="checkbox"/> Health or social club dues or initiation fees</div><div><input type="checkbox"/> Discretionary spending account</div><div><input type="checkbox"/> Personal services (e g , maid, chauffeur, chef)</div></div>		
b	If any of the boxes in line 1a are checked, did the organization follow a written policy regarding payment or reimbursement or provision of all the expenses described above? If "No," complete Part III to explain	1b	Yes
2	Did the organization require substantiation prior to reimbursing or allowing expenses incurred by all officers, directors, trustees, and the CEO/Executive Director, regarding the items checked in line 1a?	2	Yes
3	Indicate which, if any, of the following the organization uses to establish the compensation of the organization's CEO/Executive Director Check all that apply		
	<div><div><input checked="" type="checkbox"/> Compensation committee</div><div><input checked="" type="checkbox"/> Written employment contract</div><div><input checked="" type="checkbox"/> Independent compensation consultant</div><div><input checked="" type="checkbox"/> Compensation survey or study</div><div><input type="checkbox"/> Form 990 of other organizations</div><div><input checked="" type="checkbox"/> Approval by the board or compensation committee</div></div>		
4	During the year, did any person listed in 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	Yes
b	Participate in, or receive payment from, a supplemental nonqualified retirement plan?	4b	No
c	Participate in, or receive payment from, an equity-based compensation arrangement?	4c	No
	If "Yes" to any of lines 4a-c, list the persons and provide the applicable amounts for each item in Part III		
	Only 501(c)(3) and 501(c)(4) organizations only must complete lines 5-9.		
5	For persons listed in form 990, Part VII, Section A, line 1a, did the organization pay or accrue any compensation contingent on the revenues of		
a	The organization?	5a	Yes
b	Any related organization?	5b	No
	If "Yes," to line 5a or 5b, describe in Part III		
6	For persons listed in form 990, Part VII, Section A, line 1a, did the organization pay or accrue any compensation contingent on the net earnings of		
a	The organization?	6a	No
b	Any related organization?	6b	No
	If "Yes," to line 6a or 6b, describe in Part III		
7	For persons listed in Form 990, Part VII, Section A, line 1a, did the organization provide any non-fixed payments not described in lines 5 and 6? If "Yes," describe in Part III	7	Yes
8	Were any amounts reported in Form 990, Part VII, paid or accrued pursuant to a contract that was subject to the initial contract exception described in Regs section 53 4958-4(a)(3)? If "Yes," describe in Part III	8	No
9	If "Yes" to line 8, did the organization also follow the rebuttable presumption procedure described in Regulations section 53 4958-6(c)?	9	



**Part II Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees.** Use Schedule J-1 if additional space needed.

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

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

(A) Name		(B) Breakdown of W-2 and/or 1099-MISC compensation			(C) Retirement and other deferred compensation	(D) Nontaxable benefits	(E) Total of columns (B)(i)-(D)	(F) Compensation reported in prior Form 990 or Form 990-EZ
		(i) Base compensation	(ii) Bonus & incentive compensation	(iii) Other reportable compensation				
(1) Mr David C Carroll	(i) (ii)	368,923	217,612	14,642	45,552	22,564	669,293	
(2) Mr Paul G Chromek	(i) (ii)	165,582	47,340	3,230	46,493	16,589	279,234	
(3) Mr John J Lewnard	(i) (ii)	191,661	54,930	1,528	35,462	12,476	296,057	
(4) Mr Ronald N Snedic	(i) (ii)	174,236	55,010	998	35,628	22,140	288,012	
(5) Mr Christopher Herrman	(i) (ii)	164,829	51,760	669	19,525	22,140	258,923	
(6) Mr Vann Bush	(i) (ii)	177,794	33,600	2,375	32,676	16,771	263,216	
(7) Mr Eddie Johnston	(i) (ii)	167,812	38,000	1,154	22,587	17,320	246,873	
(8) Mr Willam Liss	(i) (ii)	160,575	30,400	1,218	38,021	24,140	254,354	
(9) Mr Bruce Bryan	(i) (ii)	141,067	18,720	2,659	36,279	14,509	213,234	
(10) Mr Tony Lindsay	(i) (ii)	143,780	13,500	1,119	16,507	18,370	193,276	
(11) Mr Mark Fejer	(i) (ii)	175,025	18,835	3,412	42,834	8,828	248,934	
(12) Mr Kent Perry	(i) (ii)	167,969	21,720	3,518	42,518	7,836	243,561	
(13) Mr Hamid Abbasi	(i) (ii)	159,915	26,010	72,518	60,150	16,939	335,532	
(14) Mr Quinton Ford	(i) (ii)	134,695	17,000	40,008	15,969	23,140	230,812	
(15) Mr Guy Lewis	(i) (ii)	158,545	25,000	1,282	27,097	26,356	238,280	

Part III

Supplemental Information

Complete this part to provide the information, explanation, or descriptions required for Part I, lines 1a, 1b, 4c, 5a, 5b, 6a, 6b, 7, and 8. Also complete this part for any additional information.

Identifier	Return Reference	Explanation
I	4a	Mr. Abbasi received severance payments totalling 50,720 in 2011.
I	1a	GTI requires prior written approval of the President and CEO or the Vice President of Finance, Treasurer and CFO, in order to reimburse any costs related to a spouse accompanying a staff member on a business trip. GTI reimburses all employees up to 200 per year for health club dues substantiated by a receipt.
I	5a	Inventors share in the net proceeds received by GTI from licensed and/or assigned patents on which they are named as an inventor, in accordance with GTI's written Royalty Distribution Procedure. Total such payments to persons listed in Part VII, Section A, amounted to 40,050 in 2011. The payments were made to Mr. Abbasi.
I	7	Non-officers listed in Part VII, Section A, are eligible for incentive compensation under GTI's Management Incentive Plan. Recommended bonuses are calculated under the terms of the plan, and the actual incentive awarded must have the approval of the President of GTI. Officer incentive compensation is determined under the terms of the award, and the actual incentive awarded is subject to discretionary adjustment by, and the approval of, the Compensation Committee of the Board of Directors.

Schedule L  
(Form 990 or 990-EZ)

Department of the Treasury  
Internal Revenue Service

Transactions with Interested Persons

▶ Complete if the organization answered  
"Yes" on Form 990, Part IV, lines 25a, 25b, 26, 27, 28a, 28b, or 28c,  
or Form 990-EZ, Part V lines 38a or 40b.  
▶ Attach to Form 990 or Form 990-EZ. ▶ See separate instructions.

OMB No 1545-0047

2011

Open to Public Inspection

Name of the organization  
Institute of Gas Technology

Employer identification number  
  
36-2170137

Part I Excess Benefit Transactions (section 501(c)(3) and section 501 (c)(4) organizations only).  
Complete if the organization answered "Yes" on Form 990, Part IV, line 25a or 25b, or Form 990-EZ, Part V, line 40b

1	(a) Name of disqualified person	(b) Description of transaction	(c) Corrected?	
			Yes	No

2 Enter the amount of tax imposed on the organization managers or disqualified persons during the year under section 4958 . . . . . ▶ \$ \_\_\_\_\_

3 Enter the amount of tax, if any, on line 2, above, reimbursed by the organization . . . . . ▶ \$ \_\_\_\_\_

Part II Loans to and/or From Interested Persons.  
Complete if the organization answered "Yes" on Form 990, Part IV, line 26, or Form 990-EZ, Part V, line 38a

(a) Name of interested person and purpose	(b) Loan to or from the organization?		(c) Original principal amount	(d) Balance due	(e) In default?		(f) Approved by board or committee?		(g) Written agreement?	
	To	From			Yes	No	Yes	No	Yes	No
Total . . . . . ▶ \$ _____										

Part III Grants or Assistance Benefitting Interested Persons.  
Complete if the organization answered "Yes" on Form 990, Part IV, line 27.

(a) Name of interested person	(b) Relationship between interested person and the organization	(c) Amount of grant or type of assistance

**Part IV**

**Business Transactions Involving Interested Persons.**  
Complete if the organization answered "Yes" on Form 990, Part IV, line 28a, 28b, or 28c.

(a) Name of interested person	(b) Relationship between interested person and the organization	(c) Amount of transaction	(d) Description of transaction	(e) Sharing of organization's revenues?	
				Yes	No

**Part V**

**Supplemental Information**  
Complete this part to provide additional information for responses to questions on Schedule L (see instructions)

Identifier	Return Reference	Explanation
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## Additional Data

**Software ID:** 11000218  
**Software Version:** 2011.0.0  
**EIN:** 36-2170137  
**Name:** Institute of Gas Technology

### Form 990, Schedule L, Part IV - Business Transactions Involving Interested Persons

(a) Name of interested person	(b) Relationship between interested person and the organization	(c) Amount of transaction \$	(d) Description of transaction	(e) Sharing of organization's revenues?	
				Yes	No
GTI Catoosa Test Facility Inc	GTI officer also director of subsidiary	1,000,000	Return of Capital to GTI		No
GTI Catoosa Test Facility Inc	GTI officer also director of subsidiary	179,768	Reimbursement to subsidiary		No
Atmos Energy Corporation	GTI director also officer of company	100,000	GTI Sustaining Membership Program		No
Atmos Energy Corporation	GTI director also officer of company	395	GTI Education class		No
National Fuel Gas Company	GTI director also officer of company	100,000	GTI Sustaining Membership Program		No
National Fuel Gas Company	GTI director also officer of company	10,000	GTI project research funding		No
Washington Gas Light	GTI director also officer of company	100,000	GTI Sustaining Membership Program		No
Washington Gas Light	GTI director also officer of company	4,025	GTI project research funding		No
Piedmont Natural Gas	GTI director also officer of company	100,000	GTI Sustaining Membership Program		No
Piedmont Natural Gas	GTI director also officer of company	5,624	GTI project research expense		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 to provide any additional information.  
▶ Attach to Form 990 or 990-EZ.

OMB No 1545-0047

2011

Open to Public  
Inspection

Name of the organization Institute of Gas Technology	Employer identification number  36-2170137
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Identifier	Return Reference	Explanation
Form 990 Part XI	5	The total of other changes in net assets of -4,676,826 represents unrealized gains and losses on investments carried at fair value

Identifier	Return Reference	Explanation
Form 990 Part VI	11b	The CFO reviews the Form 990 prior to its distribution to the members of the governing body

Identifier	Return Reference	Explanation
Form 990 Part VI	12c	GTI has a separate conflict of interest policy for its Board of Directors. Conflicts of interest must be reported immediately. If a conflict of interest is identified, it is discussed with the General Counsel to identify the proper course of remedial action. These actions may range from recusal in any business transactions involving GTI or the other interested organization, to withdrawing from involvement in the other organizations board of directors, to other actions that assure the conflict of interest or even the appearance of a conflict of interest may be avoided. All GTI employees are covered by a separate written conflict of interest policy. Potential and actual employee conflicts of interest are reviewed by the General Counsel. All employees have an obligation to obtain the General Counsels prior written approval for all such activity. contd below



Identifier	Return Reference	Explanation
Form 990 Part VI	12c	contd from above The failure to obtain such prior written approval shall constitute grounds for immediate dismissal with cause The directors annually complete a conflict of interest questionnaire GTI employees annually complete a conflict of interest disclosure statement, and recertify compliance with the policy on a semi-monthly basis

Identifier	Return Reference	Explanation
Form 990 Part VI	15	The positions that were review ed included the President and CEO, Vice President and Chief Technology Officer, Chief Financial Officer, General Counsel and Secretary, Vice President of Corporate Development, Managing Director, Energy Conversion, Managing Director, End Use Solutions, Managing Director, Infrastructure, and Managing Director, Supply-Exploration and Production. Annually, an outside company, CBIZ, determines the appropriate total compensation ranges for the above positions. A recommendation for merit increases and bonuses is made to the Compensation Committee of the Board of Directors annually, based on the external market study performed by CBIZ, the companys performance, and the individuals performance. The Compensation Committee determines the final merit increase and bonus amounts. Merit increases and bonuses for both officers and managing directors contd below.

Identifier	Return Reference	Explanation
Form 990 Part VI	15	contd from above are based on specific formulas which incorporate target amounts for each set of increases, and are increased or reduced companywide based on the direction of the Compensation Committee. The Compensation Committee specifically approves all compensation for officers and reviews all compensation for managing directors as well. Their actions are detailed in the Compensation Committee Minutes.

Identifier	Return Reference	Explanation
Form 990 Part VI	19	No documents available to the public

Identifier	Return Reference	Explanation
		<p>Form 990 Part XI Line 5 The total of other changes in net assets of -4,676,826 represents unrealized gains and losses on investments carried at fair value Form 990 Part VI Section B Line 11b The CFO reviews the Form 990 prior to its distribution to the members of the governing body Form 990 Part VI Section B Line 12c GTI has a separate conflict of interest policy for its Board of Directors Conflicts of interest must be reported immediately If a conflict of interest is identified, it is discussed with the General Counsel to identify the proper course of remedial action These actions may range from recusal in any business transactions involving GTI or the other interested organization, to withdrawing from involvement in the other organizations board of directors, to other actions that assure the conflict of interest or even the appearance of a conflict of interest may be avoided All GTI employees are covered by a separate written conflict of interest policy Potential and actual employee conflicts of interest are reviewed by the General Counsel All employees have an obligation to obtain the General Counsels prior written approval for all such activity contd below Form 990 Part VI Section B Line 12c contd from above The failure to obtain such prior written approval shall constitute grounds for immediate dismissal with cause The directors annually complete a conflict of interest questionnaire GTI employees annually complete a conflict of interest disclosure statement, and recertify compliance with the policy on a semi-monthly basis Form 990 Part VI Section B Line 15 The positions that were reviewed included the President and CEO, Vice President and Chief Technology Officer, Chief Financial Officer, General Counsel and Secretary, Vice President of Corporate Development, Managing Director, Energy Conversion, Managing Director, End Use Solutions, Managing Director, Infrastructure, and Managing Director, Supply-Exploration and Production Annually, an outside company, CBIZ, determines the appropriate total compensation ranges for the above positions A recommendation for merit increases and bonuses is made to the Compensation Committee of the Board of Directors annually, based on the external market study performed by CBIZ, the companys performance, and the individuals performance The Compensation Committee determines the final merit increase and bonus amounts Merit increases and bonuses for both officers and managing directors contd below Form 990 Part VI Section B Line 15 contd from above are based on specific formulas which incorporate target amounts for each set of increases, and are increased or reduced companywide based on the direction of the Compensation Committee The Compensation Committee specifically approves all compensation for officers and reviews all compensation for managing directors as well Their actions are detailed in the Compensation Committee Minutes Form 990 Part VI Section C Line 19 No documents available to the public</p>

SCHEDULE R  
(Form 990)

Department of the Treasury  
Internal Revenue Service

**Related Organizations and Unrelated Partnerships**  
▶ **Complete if the organization answered "Yes" to Form 990, Part IV, line 33, 34, 35, 36, or 37.**  
▶ **Attach to Form 990.** ▶ **See separate instructions.**

OMB No 1545-0047

2011

Open to Public Inspection

**Name of the organization**  
Institute of Gas Technology

**Employer identification number**  
36-2170137

Part I

Identification of Disregarded Entities (Complete if the organization answered "Yes" on Form 990, Part IV, line 33.)

(a) Name, address, and EIN of disregarded entity	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Total income	(e) End-of-year assets	(f) Direct controlling entity

Part II

Identification of Related Tax-Exempt Organizations (Complete if the organization answered "Yes" on Form 990, Part IV, line 34 because it had one or more related tax-exempt organizations during the tax year.)

(a) Name, address, and EIN of related organization	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Exempt Code section	(e) Public charity status (if section 501(c)(3))	(f) Direct controlling entity	(g) Section 512(b)(13) controlled organization	
						Yes	No

Part III

Identification of Related Organizations Taxable as a Partnership (Complete if the organization answered "Yes" on Form 990, Part IV, line 34 because it had one or more related organizations treated as a partnership during the tax year.)

(a) Name, address, and EIN of related organization	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Direct controlling entity	(e) Predominant income (related, unrelated, excluded from tax under sections 512- 514)	(f) Share of total income	(g) Share of end-of- year assets	(h) Dispropportionate allocations?		(i) Code V—UBI amount in box 20 of Schedule K-1 (Form 1065)	(j) General or managing partner?		(k) Percentage ownership
							Yes	No		Yes	No	
(1) Endesco Clean Harbors LLC  1700 S Mount Prospect Road DesPlaines, IL 60018 36-4193654	Contractor/Consultant	DE	GRI International Inc	Unrelated	-172,735	4,110		No			No	
(2) Cement Lock Group LLC  1700 S Mount Prospect Road DesPlaines, IL 60018 36-4193651	Contractor/consultant	DE	Endesco Services Inc	Unrelated	1,775	3,016	Yes				No	
(3) starline Trenchless Technology LLC  1700 S Mount Prospect Road DesPlaines, IL 60018 22-3647298	Distribution	DE	GRI International Inc	Unrelated	-8,338	283,374		No			No	

Part IV

Identification of Related Organizations Taxable as a Corporation or Trust (Complete if the organization answered "Yes" on Form 990, Part IV, line 34 because it had one or more related organizations treated as a corporation or trust during the tax year.)

(a) Name, address, and EIN of related organization	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Direct controlling entity	(e) Type of entity (C corp, S corp, or trust)	(f) Share of total income	(g) Share of end-of-year assets	(h) Percentage ownership
(1) GRI International Inc 1700 S Mount Prospect DesPlaines, IL 60018 36-4349614	Product Commercialization	DE	N/A	C Corp	-175,184	2,233,549	100 000 %
(2) Endesco Services Inc 1700 S Mount Prospect DesPlaines, IL 60018 36-3177556	Energy/Envrn Tech	IL	N/A	C Corp	-2,235	8,581	100 000 %
(3) GTI Catoosa Test Facility Inc 1700 S Mount Prospect DesPlaines, IL 60018 74-2914111	Testing equipment	DE	N/A	S Corp	-43,617	240,024	100 000 %
(4) CrystaTech Inc 1700 S Mount Prospect DesPlaines, IL 60018 74-2964099	Tech services	DE	N/A	C Corp	317,063	222,866	73 780 %
(5) GTI E&P Services Canada Inc 101 6th Avenue SW Calgary, AB T2P3P4 CA	Tech Services	CA	N/A	C Corp			100 000 %

Part V

Transactions With Related Organizations (Complete if the organization answered "Yes" on Form 990, Part IV, line 34, 35, 35A, or 36.)

Note. Complete line 1 if any entity is listed in Parts II, III or IV

1

During the tax year, did the organization engage in any of the following transactions with one or more related organizations listed in Parts II-IV?

a

Receipt of (i) interest (ii) annuities (iii) royalties (iv) rent from a controlled entity

b

Gift, grant, or capital contribution to related organization(s)

c

Gift, grant, or capital contribution from related organization(s)

d

Loans or loan guarantees to or for related organization(s)

e

Loans or loan guarantees by related organization(s)

f

Sale of assets to related organization(s)

g

Purchase of assets from related organization(s)

h

Exchange of assets with related organization(s)

i

Lease of facilities, equipment, or other assets to related organization(s)

j

Lease of facilities, equipment, or other assets from related organization(s)

k

Performance of services or membership or fundraising solicitations for related organization(s)

l

Performance of services or membership or fundraising solicitations by related organization(s)

m

Sharing of facilities, equipment, mailing lists, or other assets with related organization(s)

n

Sharing of paid employees with related organization(s)

o

Reimbursement paid to related organization(s) for expenses

p

Reimbursement paid by related organization(s) for expenses

q

Other transfer of cash or property to related organization(s)

r

Other transfer of cash or property from related organization(s)

Yes

No

1a

Yes

1b

Yes

1c

No

1d

Yes

1e

No

1f

No

1g

No

1h

No

1i

No

1j

Yes

1k

Yes

1l

No

1m

No

1n

No

1o

Yes

1p

Yes

1q

No

1r

Yes

2 If the answer to any of the above is "Yes," see the instructions for information on who must complete this line, including covered relationships and transaction thresholds

(a) Name of other organization	(b) Transaction type(a-r)	(c) Amount involved	(d) Method of determining amount involved
(1) Endesco Clean Harbors LLC	a	975	Note bal market rate
(2) GTI Catoosa Test Facility Inc	j	143,365	Cost plus fee
(3) GTI Catoosa Test Facility Inc	r	1,000,000	Cash dividend
(4)			
(5)			
(6)			

Schedule R (Form 990) 2011



Provide the following information for each entity taxed as a partnership through which the organization conducted more than five percent of its activities (measured by total assets or gross revenue) that was not a related organization. See instructions regarding exclusion for certain investment partnerships.

[illegible]

Part VII

Supplemental Information

Complete this part to provide additional information for responses to questions on Schedule R (see instructions)

Identifier	Return Reference	Explanation	
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