

Enclosure 3

**Committee on Science, Space and Technology
U. S. House of Representatives
Witness Disclosure Requirement – “Truth in Testimony
Required by House Rule XI, Clause 2(g)(5)**

1. Your Name: Edward Johnston		
2. Are you testifying on behalf of the Federal, or a State or local Government Entity?	Yes	No X
3. Are you testifying on behalf of an entity that is not a government entity?	Yes X	No
4. Other than yourself, please list which entity or entities you are representing: Gas Technology Institute		
5. Please list any grants, cooperative agreements or contracts (including subgrants or subcontracts) that you or the entity you represent have received on or after October 1, 2012: See Attachment A		
6. Please list any foreign government payments that you or the entity you represent have received on or after October 1, 2012: See Attachment B		
7. If your answer to the item in question 3 is “yes”, please describe your position or representational capacity with the entity (entities) you are representing: Senior Vice President, Research and Technology Development		
8. If your answer to the item in question 3 is “yes”, do any of the entities disclosed in item 4 have parent organizations, subsidiaries or partnerships that you are not representing in your testimony?	Yes X	No
9. If your answer to the item in question 3 is “yes”, please list any Federal grants, cooperative agreements, or contracts (including subcontracts) that were received by the entities listed under the question in item 4 on or after October 1, 2012, that exceed 10% of the revenue of the entities in the year received, including the source and amount of each grant or contract to be listed: See Attachment C		

I certify that the above information is true and correct.

Signature:  Date: 28 April 2017

Enclosure 4

False Statement Acts Certification

You are specifically advised that providing false information to this Committee/Subcommittee, or concealing material information from this Committee/Subcommittee is a crime and you can be punished for that. If you acknowledge this, please sign the bottom of this form and return to the Committee. This form will be made part of the hearing record.

Witness signature 

Date 28 April 2017

Attachment A Question 6: Foreign Government Payments						
Receipts from Foreign Government Payments						
2013-2016						
Alberta Innovates	CAN	2016	\$ 364,247.66			
Bird Foundation	ISR	2016	\$ 2,061.00			
		2013	\$ 106,598.00			
Yangquan Coal Mining	CHN	2016	\$ 3,047,608.00			
CCEMC	CAN	2015	\$ 147,500.00			
		2014	\$ 135,196.03			
Natural Resources Canada	CAN	2013	\$ 1,124.35			
Sabic Global	NET	2016	\$ 175,901.65			
Cenagas	MEX	2016	\$ 2,450.00			
Instituto De Energia E Am	BRA	2016	\$ 1,250.00			
Energy Market Authority	SIN	2014	\$ 400.00			
		2013	\$ 375.00			
Petrobras	BRA	2014	\$ 29,500.00			
		2013	\$ 1,395.00			
Government of Hong Kong	HOK	2013	\$ 3,315.00			
Natural Resources Canada- Third Party In-Kind (cost sharing) (No Payments received by GTI):						
		2016	\$ 1,006,177.03			

Attachment C – Question 9: Federal grants, cooperative agreements or contracts received by GTI that that exceed 10% of the revenue of the entities in the year received, including source and amount

Customer Name	Project Start Date	Project End Date	Term	Project Name	GTI Project Number	Contract or PO Number	Total Project Value	Source of Funds
US Department of Energy-National Energy Technology Laboratory	10/1/2012	6/30/2017	4 years 9 months	Advanced Oxy-Combustion Technology Development and Scale Up for New and Existing Coal-fired Power Plants	21854	DE FE 0009448	9,370,395.00	DOE NETL
Research Partnership to Secure Energy for America	12/27/2012	8/31/2016	3 years 8 months	Advanced Hydraulic Fracturing	21406	11122-20	6,116,396.00	DOE NETL
US Department Of Energy	10/1/2013	6/30/2018	4 years 9 months	Membrane postcombustion CO2 capture	21513	DE-FE0012829	10,588,758.00	DOE NETL
US Department of Energy-National Energy Technology Laboratory	10/1/2014	12/31/2017	4 years 3 months	Hydraulic Fracturing Test Site	21686	DE-FE0024292	7,613,075.00	DOE NETL
US Department of Energy-National Energy Technology Laboratory	10/1/2016	9/30/2022	6 years	Supercritical Carbon Dioxide Pilot Plant Test Facility	22076	DE-FE0028979	79,999,226.00	DOE NETL

Attachment A – Question 5: Federal Grants, Cooperative Agreements or Contracts

Customer Name	Project Start Date	Project Name	Total Project Value	Source of Funds
US Department Of Energy	10/1/2012	Reversible CH4 Storage Using a Molecular Sieve Layer as Controllable Nano-Valve	873,515.95	DOE ARPA-E
US Department Of Energy	10/1/2012	Next Generation Pressurized Oxy-Coal Combustion: High Efficiency and No Flue Gas Recirculation	753,375.40	DEOE NETL
University of Texas	10/1/2012	ARPA-E Proposed Free Piston Electro-mechanical Compressor Development for NGV Home Refueling with UT-CEM	1,360,770.00	DOE ARPA-E
US Department Of Energy	1/1/2013	Methane to Methanol fuel: a low temperature process	1,722,899.00	ARPA-E
Research Partnership to Secure Energy for America	12/27/2012	Advanced Hydraulic Fracturing	6,116,396.00	DOE NETL
National Renewable Energy Laboratory	1/1/2013	DOE Building America PARR TO4	499,987.00	DOE Golden
US Trade and Development Agency	1/2/2013	United States - China Shale Gas Training Program	377,986.00	USTDA
US Department of Energy-National Energy Technology Laboratory	2/1/2013	Implementation Initiatives to Advance Alternative Fuel Markets DE-FOA-708	762,222.15	DOE-NETL
US Department Of Energy	11/1/2012	Refinery Upgrading of Hydropyrolysis oil produced from Biomass	3,231,386.00	DOE EERE
US Department Of Energy	3/1/2013	Hydrogen Station Performance Evaluation	400,000.00	DOE EERE
Stone Mountain Technologies Inc	3/15/2013	Low Cost Heat Gas Heat Pump for Building Space Heating	140,003.00	DOE EERE
Aerojet Rocketdyne of DE, Inc.	3/26/2013	Demo of PWR POx Reformer for Natural Gas at GTI	2,156,229.85	DOE ARPA-E
Argonne National Laboratory	8/20/2013	Compressed Natural Gas Fueling Station Design Review	3,828.00	DOE
US DOT PHMSA	9/1/2013	Subsurface Multi-Utility Asset Location	125,998.00	DOT PHMSA

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Customer Name	Project Start Date	Project Name	Total Project Value	Source of Funds
US DOT PHMSA	9/1/2013	Above-ground Detection Tools Including Disbondment and Metal Loss for all Metals Including Cast-Iron Graphitization	415,121.00	DOT PHMSA
Operations Technology Development NFP	9/1/2013	Multi-Utility Asset Detection During Horizontal Directional Drilling		DOT PHMSA
Operations Technology Development NFP	9/1/2013	PHMSA - EMAT for Unpiggable	291,666.00	DOT PHMSA
Operations Technology Development NFP	9/1/2013	Evaluation of Liners and Composites for the Rehabilitation of Distribution and Transmisson Piping Systems	394,121.00	DOT PHMSA
Houston-Galveston Area Council	7/22/2013	Houston-Galveston Area Council - Clean Cities Implementation Initiatives to Advance Alternative Fuel Markets	70,000.00	DOE EERE
US Department Of Energy	10/1/2013	Low Cost High-H2 Syngas Production for Power and Liquid Fuels	800,000.00	DOE NETL
US Department of Energy-National Energy Technology Laboratory	10/1/2013	Hybrid Molten Bed Gasifier for High Hydrogen Syngas Production	800,040.00	DOE NETL
US Department Of Energy	10/1/2013	Membrane postcombustion CO2 capture	10,588,758.00	DOE NETL
Advanced Research Projects Agency-Energy	1/1/2014	Duel electrolyte extraction Electrorefinery for light metal production	807,426.29	DOE-ARPA-E
Argonne National Laboratory	12/16/2013	Novel Operation of Hydrogen Fueling Stations - Argonne	52,493.00	DOE
US DOT PHMSA	1/1/2014	Effects of Hydrocarbon Permeation on Plastic Pipe Strength and Fusion Performance	649,916.00	DOT PHMSA
TDA Research	12/23/2013	A Low-Cost, High capacity Sorbent for Pre-combustion CO2 Capture	1,350,000.00	DOE NETL
Advanced Research Projects Agency-Energy	2/14/2014	Hybrid Solar Receiver	3,969,400.17	DOE ARPA-E

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Customer Name	Project Start Date	Project Name	Total Project Value	Source of Funds
National Renewable Energy Laboratory	2/25/2014	Building America PARR TO5	796,234.00	DOE
Rutgers Univ	1/15/2014	RITA - Pipeline Safety	110,000.00	DOT RITA
University of Houston	1/15/2014	RITA - GPS Based EEN	184,443.00	DOT RITA
Center for Transportation and the Environment	3/1/2014	Austin Hydrogen Station	151,700.00	DOT
Aerojet Rocketdyne of DE, Inc.	9/15/2014	Advanced Gasification Pilot Plant Testing	2,634,491.00	DOE-NETL
US Department of Energy-National Energy Technology Laboratory	10/1/2014	Producing >95% Purity O2 from Air Using Single-stage Membrane Contactor with Hemoglobin Solution	499,998.00	DOE-NETL
US Department Of Energy	9/25/2014	Waste heat and water recovery from power plant flue gas using Transport Membrane Condenser	500,000.00	DOE-NETL
US Department of Homeland Security	9/26/2014	Protecting Critical Natural Gas Infrastructure	397,183.00	Homeland Security
US Department of Energy-National Energy Technology Laboratory	10/1/2014	Hydraulic Fracturing Test Site	7,613,075.00	DOE NETL
Leidos Inc	10/15/2014	TGER Design Support	565,676.00	DoD
TDA Research	10/23/2014	Low cost high-hydrogen syngas production from coal	1,200,000.00	DOE NETL
RTI International	10/17/2014	Coal to Jet using AR POX and AR Coal Gasification	1,826,524.00	DOE NETL
Calstart	3/1/2014	CalStart National Fuel Cell Bus Program Operations Primer	50,000.00	Federal Transportation Administration
US Trade and Development Agency	4/2/2015	Technical Assistance for U.S. - China Shale Gas Training Program Phase II		USTDA

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Customer Name	Project Start Date	Project Name	Total Project Value	Source of Funds
US Department Of Energy	2/11/2015	Catalytic Conversion of Cellulosic Biomass or Algal Biomass plus Methane to Drop in Hydrocarbon Fuel and Chemicals	1,485,415.00	DOE EERE
US Department Of Energy	2/12/2015	Compressor-less Hydrogen Refueling Station using Thermal Compression	250,894.00	DOE EERE
South Coast Air Quality Management District	4/21/2015	Zero Emission Cargo Transport II Demonstration - DOE	2,813,637.00	DOE EERE
Infinia Technology Corporation	6/17/2015	ARPA-E GENSETS FOA-1198 ITC Stirling Heater Head Support	932,960.36	DOE ARPA E
Houston-Galveston Area Council	7/1/2015	HGAC Zero Emissions Cargo Truck Demonstration Project	3,251,170.00	DOE EERE
Operations Technology Development NFP	8/1/2015	Real-Time Multiple Detection During Pipe Installation using HDD System - Project Mgmt	8,757.00	DOT PHMSA
US Department Of Energy	8/11/2015	Flue Gas Water Vapor Latent Heat Recovery for Pressurized Oxy-Combustion	1,999,795.00	DOE NETL
US Department Of Energy	9/1/2015	Energy Savings with Acceptable Indoor Air Quality through Improved Air Flow Control in Residential Retrofit	750,000.00	DOE EERE
US Department of Energy-National Energy Technology Laboratory	10/1/2012	Advanced Oxy-Combustion Technology Development and Scale Up for New and Existing Coal-fired Power Plants	9,370,395.00	DOE NETL
US Department of Energy-National Energy Technology Laboratory	9/3/2015	Enabling Technologies for Oxy-Fired Pressurized Fluidized Bed Combustor Development	1,995,386.00	DOE NETL
US Department of Energy-National Energy Technology Laboratory	10/1/2014	Advanced Turbomachinery Components for Supercritical CO2 Power Cycles	246,917.00	DOE NETL
The Research Foundation for the State Univ of New York	8/23/2015	Condensing Flue Gas for Sub-Ambient Evaporative Cooling and Cool Storage	210,000.00	DOE ARPA-E
US Army Corps of Engineers	9/16/2015	Gas Engine-driven Heat Pump (GHP) Cold Climate Field Demonstration	823,708.00	DoD

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Customer Name	Project Start Date	Project Name	Total Project Value	Source of Funds
US Army Corps of Engineers	9/16/2015	Energy and Water Efficiency Improvements for Dishrooms in Military Dining Facilities	594,470.00	DoD
US Department of Homeland Security	9/26/2014	Phase 2 Event Model and Agency Industry Workshop	199,822.00	Homeland Security
US DOT PHMSA	9/30/2015	Statistical Review and Gap Analysis of LNG Failure Rate Table	418,058.00	DOT PHMSA
US DOT PHMSA	9/30/2015	Evaluation of Corroded Cast Iron Pipe	514,140.00	DOT PHMSA
US DOT PHMSA	9/30/2015	Slow Crack Growth Evaluation of Vintage Polyethylene Pipes	995,191.00	DOT PHMSA
Operations Technology Development NFP	9/30/2015	Intrinsically Locatable Technology for Plastic Piping Systems	153,442.00	DOT PHMSA
Operations Technology Development NFP	9/30/2015	EMAT Sensor for Small Diameter Unpiggable Pipes	547,940.00	DOT PHMSA
US DOT PHMSA	9/30/2015	Approaches for Preventing Catastrophic Events	199,857.00	DOT PHMSA
US Department of Energy-National Energy Technology Laboratory	10/1/2013	Dry Solids Pump Coal Feed Technology Program	2,359,930.00	DOE NETL
US Department of Energy-National Energy Technology Laboratory	10/1/2015	Energy Efficient GO PEEK Hybrid Membrane Process for Post Combustion Carbon Dioxide Capture	1,999,995.00	DOE NETL
US Department Of Energy	10/6/2015	One Step Hydrogen Generation through Sorption Enhanced Reforming	624,389.00	DOE EERE
Advanced Research Projects Agency-Energy	11/24/2015	REACTOR ENGINE	3,199,931.00	DOE ARPA-E
Research Partnership to Secure Energy for America	6/29/2015	Consulting Services for RPSEA	216,000.00	DOE NETL
US Department Of Energy	12/10/2015	Conceptual Design for Supercritical Carbon Dioxide Power Cycle Test Facility	1,636,089.00	DOE Idaho Operations

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Customer Name	Project Start Date	Project Name	Total Project Value	Source of Funds
NanoConversion Technologies Inc.	11/16/2015	High Efficiency C-TEC microCHP (ARPA-E GENSETS FOA-0001198)	500,000.00	DOE ARPA-E
US Department of Energy-National Energy Technology Laboratory	10/1/2014	Advanced Gasifier and Water Gas Shift Technologies for Low Cost Coal Conversion to High Hydrogen Syngas	957,374.00	DOE NETL
TDA Research	1/1/2016	Cost Effective Air Separation System	80,024.00	DOE NETL
Operations Technology Development NFP	9/30/2015	Combined vibration, ground movement, and current sensing detector	276,879.00	DOT PHMSA
BlackPak Inc.	3/10/2016	BlackPak Compressor Testing	25,375.00	DOE ARPA-E
Advanced Research Projects Agency-Energy	6/16/2016	Methane Soft Oxidation - 2016 ARPA-E project	500,000.00	DOE ARPA-E
Petroleum Technology Transfer Council	5/16/2016	RPSEA Technology Dissemination Support	100,908.00	DOE NETL
US Department of Energy-National Energy Technology Laboratory	10/1/2016	Training for Cost-Effective Code-Complaint Maintenance Facilities	749,965.00	DOE NETL
Department of the Army	9/16/2016	Evaluation of Natural Gas, High Efficiency Building Energy Efficiency Technologies for Illinois National Guard Facilities	1,849,916.00	DOD
US Department of Energy-National Energy Technology Laboratory	10/1/2016	Classification of Methane Emissions from Industrial Meters, Vintage vs. New Plastic Pipe, & Plastic-Lined Steel & Cast Iron Pipe	1,090,719.00	DOE NETL
US Department of Energy-National Energy Technology Laboratory	10/1/2016	Methane Mitigation Thermoelectric Generator (MMTEG)	1,212,969.00	DOE NETL
US Department of Energy-National Energy Technology Laboratory	10/1/2016	Supercritical Carbon Dioxide Pilot Plant Test Facility	79,999,226.00	DOE NETL

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Customer Name	Project Start Date	Project Name	Total Project Value	Source of Funds
West Virginia University	4/1/2016	US-China Clean Energy Research Center for WVU	149,718.00	DOE
Quest Integrated Inc	10/13/2016	Development of EMAT Sensors for Corrosion Mapping of Unpiggable Natural Gas Pipelines Using ILI Tools	27,410.00	DOT PHMSA
Quest Integrated Inc	10/13/2016	Development High Performance Gas-Coupled Ultrasonic Transducers for Inspection of Unpiggable Natural Gas Pipelines	27,410.00	DOT PHMSA