

Committee on Energy and Commerce
U.S. House of Representatives
 Witness Disclosure Requirement - "Truth in Testimony"
 Required by House Rule XI, Clause 2(g)

1. Your Name: Robert Hilton		
2. Are you testifying on behalf of the Federal, or a State or local government entity?	Yes	No <input checked="" type="checkbox"/>
3. Are you testifying on behalf of an entity that is not a government entity?	Yes <input checked="" type="checkbox"/>	No
4. Other than yourself, please list which entity or entities you are representing: Alstom		
5. Please list any Federal grants or contracts (including subgrants or subcontracts) that you or the entity you represent have received on or after October 1, 2009: See Attached Sheet		
6. If your answer to the question in item 3 in this form is "yes," please describe your position or representational capacity with the entity or entities you are representing: Vice President, Power Technologies for Government Affairs		
7. If your answer to the question in item 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	No <input checked="" type="checkbox"/>
8. If the answer to the question in item 3 is "yes," please list any Federal grants or contracts (including subgrants or subcontracts) that were received by the entities listed under the question in item 4 on or after October 1, 2009, that exceed 10 percent of the revenue of the entities in the year received, including the source and amount of each grant or contract to be listed: None		
9. Please attach your curriculum vitae to your completed disclosure form.		

Signature



Date: September 11, 2012

Listing of Federal Grants or Contracts Entered Into by Alstom After October 1, 2009

- Alstom's Chemical Looping Combustion Technology with CO2 Capture for New and Retrofit Coal-Fired Power Plants
US DOE NETL
Contract: DE-FE0009484
Contract Performance: Oct 2012 - Sept 2013
- Novel Diode Laser Cladding of High Temperature Alloys for Use in Ultrasupercritical Coal-Fired Boilers
Contract: Titanova contract with DOE/NETL
Contract Performance: Jan 2010 - July 2010
- Carbon Capture and Storage Project at Mountaineer Plant
AEP Contract # 336504X215 as subcontract under DOE Contract DE-FE0002673
Contract 2010-2011(contract terminated)
- Subcontractor on DOE DE-EE0005485 to Virginia Electric Power Company to study reduction in the cost of offshore wind generation.
Contracted in April 2012
- Contract with DOE DE-EE0005494 , Office of Energy Efficiency, & Renewable energy, entitled COST OF ENERGY REDUCTION FOR OFFSHORE TENSION LEG PLATFORM WIND TURBINE SYSTEMS THROUGH ADVANCED CONTROL STRATEGIES FOR ENERGY YIELD IMPROVEMENT, Contract in September 2011 through March 2014
- OE Integrated Smart Distribution
- DOE-AFS Renewables/Wind MARKET Investigation
- Duke Distribution Management System
- First Energy DM-DA/VVC
- Florida Power & Light Transmission Evision Openpdc VSAT
- IIT- Smartgrid Workforce DMS Training
- ISO NE PYSMETRIC Applications- SIDU and Historian
- Marias MTL 230 KV Transline/SUBS DCS ITR
- MG&E Distribution Management System
- NCSU- E-Terrasimulator install and workshop
- PG&E SGIG Project- WAMS
- PNNL SmartGrid Demonstration Project
- SNOPIUD- Distribution Automation and Maintenance
- Southern Company DMS Upgrade and Migration
- WECC- Synchrophasor WAMS

Alstom also has many contracts and subcontracts that involve Federal funds that are not relevant to the subject matter of this hearing particularly in its power transmission and rail transportation businesses.

ROBERT G. HILTON

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PROFESSIONAL EXPERIENCE

ALSTOM, Washington, D.C. and Knoxville, TN.

2008-Present

Current Position: **Vice President, Power Technologies for Government Affairs-** Represent Alstom business interests in governmental affairs from technology perspective. In this position represent the \$6 billion US businesses with particular emphasis on climate change and environmental legislation as well as other matters including R&D funding and regulatory interpretation. . Also represent international interests as affected by US government relations. Contribute as part of the global Power and Environmental Policy Group as appropriate. Interface with Congress, Administration and Agencies (particularly DOE and EPA), and trade organizations and coalitions.

ALSTOM POWER, Knoxville, TN and Paris, France

1996-2008

Position: **Senior Vice President, Marketing, Environment (U.S. organization) and Director, Global Marketing, Environmental Control Systems (global business)** - Environmental Control Systems is a

global air pollution control business within Alstom. I was responsible for global marketing, strategy, technology, and communications. Specific responsibilities include product strategies, new product development, acquisitions, divestitures, licensing, research and development including maintenance and transfer of existing technologies, strategic and operational planning, sales training, general marketing functions, external communications, R&D budgeting, sales support, and regulatory affairs and analysis. In this position I had three functional groups reporting to me:

- 1) Marketing/strategy/Communications
- 2) Research and Development
- 3) CO2 Product development – included licensing technology, R&D, and execution of pilots and demonstrations

Specific products and strategies produced, developed and commercialized:

Advanced intelligent controls utilizing neural net and multi-variable controllers

CO2 capture technology

Advanced flue gas desulphurization technologies

Multi-pollutant and mercury technologies

Alstom acquired ABB Power Generation in 2001. Prior to current position, held positions within North American organization were:

Vice President, DeNOx Product Lines – P/L responsible for developing DeNOx business; developed strategy, organized and recruited group members resulting in 22,000 megawatts of SCR awards worth in excess of \$2 billion to Alstom.

Vice President, Business Development, sales of all APC products

Director, Strategic Development

Business Unit Manager, Ash Systems

Selected Accomplishments:

- Developed CO2 strategy and guided implementation and commercialization
- Opened APC business in China with first year bookings of 30mm Euros and NM of 20%

- Created SCR/NOx business as prime product line in both NAM and Europe
- Capture team leader in sale of largest turnkey project - \$275mm
- Installed complete product strategy system for all products in all regions
- Managed launched of five major new products and complete CO2 program

ENVIROSOURCE TREATMENT & DISPOSAL SERVICES, INC., Horsham, PA 1985-1996
 (\$50MM Division of EnviroSource, Inc. providing treatment and landfill services for environmentally sensitive wastes)

Vice President, Sales and Marketing, Specialized Services

Responsible for all aspects of sales and marketing of stabilization systems and services, material handling systems, water treatment systems, and associated operation and maintenance services to the electric utility and primary metals (iron, steel, and aluminum) industries.

SELECTED ACCOMPLISHMENTS

- Created and negotiated an international partnership that resulted in the winning of the first turnkey project in the history of the company in Europe and established licensees in Asia and Europe.
- Directed the sale and closure of the company's largest (\$35MM) turnkey project.
- Responsible for sales implementation of Super Detox services for electric arc furnace dust that in two years created an annualized volume representing 44% of incoming landfill tonnage, and a 25% electric arc furnace dust market share by year end 1996.
- After becoming Vice president in 1986, raised the FGD (flue gas desulfurization) turnkey sales from \$10MM annually to \$40MM by 1991.
- Between 1985 and 1988, established a coal combustion byproduct sales business with annual revenue of \$2MM and 38% gross profit.

MONIER RESOURCES, INC., San Antonio, TX 1981-1985
 (\$36MM supplier of utility disposal services and construction materials)

Director, Contracts and Supply

Responsible for the general management (P/L) of the Utility Services and Construction Group that included seven landfill operations, one sand operation and associated paving materials/construction activities.

SELECTED ACCOMPLISHMENTS

- Increased Group sales from \$1.5 million in 1981 to \$12 million in 1985.
- Sold first major private conversion of a utility disposal operation worth \$35MM (in 1983 dollars) over initial contract term.
- Negotiated agreements to establish a fly ash/construction material business in the United Kingdom.

CONVERSION SYSTEMS, INC., Horsham, PA 1973-1981
 (Company became EnviroSource Treatment and Disposal Services, Inc.; Acquired by EnviroSource in 1988; a subsidiary of IU International)

Technical Services Manager and Industrial Sales Manager

Held a variety of sales, technical service, and technical positions.

G&WH CORSON LIME COMPANY, Plymouth Meeting, PA 1969-1973
 (IU International subsidiary)

Experienced in all aspects of lime, cement, and asbestos production.

EDUCATION

MBA, Finance - Drexel University, Philadelphia, PA 1978

B.Sc., Chemistry- Philadelphia College of Textiles and Science, Philadelphia, PA 1974

OTHER

Past President and member of the Board of Directors, Institute of Clean Air Companies ; member of the Board of Directors of the Gas Turbine Association; Chairman of the Board of Directors of the Worldwide Pollution control Association

Member of Working Group to advise EPA on Clean Coal Technology for the Clean Air Act Subcommittee

Author or co-author of more than 50 technical papers and publications.

Inventor of 19 US and foreign patents and applications.

Have served as an expert witness on cement chemistry and waste disposal practice in US Federal Court.

Provided testimony to the United States Senate
