

Committee on Energy and Commerce
U.S. House of Representatives
Witness Disclosure Requirement - "Truth in Testimony"
Required by House Rule XI, Clause 2(g)(5)

1. Your Name: Steven E. Winberg		
2. Your Title: Assistant Secretary for Fossil Energy		
3. The Entity(ies) You are Representing: US Department of Energy		
4. Are you testifying on behalf of the Federal, or a State or local government entity?	Yes x	No
5. Please list any Federal grants or contracts, or contracts or payments originating with a foreign government, that you or the entity(ies) you represent have received on or after January 1, 2015. Only grants, contracts, or payments related to the subject matter of the hearing must be listed. None.		
6. Please attach your curriculum vitae to your completed disclosure form.		

Signature: 

Date: 7/19/12



Steven E. Winberg, Assistant Secretary for Fossil Energy

As Assistant Secretary, Steve Winberg is responsible for the management and oversight of FE's research and development program, encompassing coal, oil, and natural gas, as well as the Office of Petroleum Reserves.

Prior to joining DOE, Mr. Winberg served as a senior level executive with proven expertise in fossil energy research & development, energy policy, strategic planning, business development and sales management. He is a specialist in emerging fossil energy technologies affecting the environment and end-use applications with extensive experience in fuels, emerging technologies, renewables, energy regulation, Department of Energy Cooperative Agreements, global energy markets and government relations. He holds patents related to NOx reduction technologies.

Mr. Winberg has 40 years of successful senior corporate management, enabling the development of coal and natural gas technologies for both production and end-use; including emission control technologies, near-zero emission technologies (including CCUS technologies), and improved efficiency power production technologies from early stages, through engineering development and demonstration, and commercial deployment. He has extensive experience working with prime users and owners of gas and coal-based power, fuel generation, and delivery technologies, including an extensive understanding of the Federal Government's business practices and the role it plays in shaping the Nation's energy policies.

Mr. Winberg began his career at the engineering firm Foster Wheeler as an engineer on coal-fired utility boilers. From there, he spent 14 years with Consolidated Natural Gas working in a variety of positions before becoming Vice President for CONSOL Energy Research & Development. Immediately prior to coming to DOE, Mr. Winberg served as a Senior Program Manager at Battelle Memorial Institute.

Over the span of his career, Mr. Winberg has participated in a number of policy and energy initiatives. He has also gained extensive experience in numerous energy technologies, including advanced fossil energy combustion, coal-to-liquids, fluidized bed combustion, emulsified fuels, fuel cells, alternative fuel vehicles, and carbon utilization.

PROFESSIONAL EXPERIENCE

DOE Assistant Secretary for Fossil Energy **2017 - Present**

Battelle Memorial Institute **2014 - 2017**

Program Manager

Responsible for business and proposal development including federal, state, and commercial R&D.

CONSOL Energy Inc. **2003 – 2014**

Vice President, Research & Development, Coal Conversion & Power Development

Responsible for management of CONSOL Energy's R&D department and coal-to-liquids, gas-to-liquids, renewables and fossil generation programs.

Clean Fuels Technology, Inc. (CFT) **2000 – 2002**

(CFT - privately held venture to commercialize emulsified fuels for power generation and diesel sources)

Responsible for developing business plans, new product introduction, operations and marketing in the Northeast and Europe. Originated projects, managed contractual negotiations and implementation, and managed ongoing relationships with partners. Developed and managed projects in Boston, Italy and Ecuador.

Consolidated Natural Gas Company (CNG, currently Dominion Resources)

Director, Commercial Technology and Energy Policy **1997 – 2000**

Responsible for market development and technology support for the company's \$72MM industrial energy market.

Assistant to the Chairman **1994 – 1997**

Responsible for daily operation of the Chairman's office and the following major initiatives:

Director, Environmental Market Development **1986 – 1994**

Created and managed the Environmental Market Development Department to provide technical and environmental compliance assistance to customers. Organized and led Pennsylvania pipeline companies to develop a compliance strategy for compressor stations. CNG compliance costs were reduced from initial estimates of over \$100MM to less than \$40MM.

FOSTER WHEELER ENERGY CORPORATION **1978 - 1986**

Manager, Industrial Marketing & Sales

Responsible for marketing programs and technical sales support to field sales offices for industrial boilers, including emerging technologies. Developed technical presentations and training programs.

EDUCATION

MBA – University of Pittsburgh, Executive MBA Program

B.S., Nuclear Science – S.U.N.Y. Maritime College

PATENTS

Apparatus and Method of Lowering NOx Emissions Using Diffusion Processes, Patent # 5,078,064, 1992

Low NOx Burner Operations with Natural Gas Cofiring, Patent # 4,960,059, 1990

SELECT PAST MEMBERSHIPS**Past**

National Coal Council: Pennsylvania Climate Change Advisory Committee; Marcellus Shale Coalition Research Collaborative; Carnegie Science Center Board; PA DEP Transition Team; Chairman, FutureGen Industrial Alliance; Chairman, Marcellus Shale Coalition Research Collaborative; Coal Industry Advisory Board to the International Energy Agency; World Coal Association Board; Coal Utilization Research Council Steering Committee; EPA Clean Air Act Advisory Committee; EPA Acid Rain Advisory Council