

## **Critical Infrastructure Protection Series**

### **Session Three: The Energy Infrastructure**

April 29, 2002  
9:00 - 12:30 AM  
B1 Conference Center  
1800 K Street NW, Washington, DC

**9:00 AM**

#### **Welcome and Introductions**

*Dr. John J. Hamre, President and CEO, CSIS*

**9:15 AM**

#### **Keynote Address**

*Mr. Eugene R. McGrath, Chairman of the Board, President and CEO, Consolidated Edison, Inc.*

**10:15 AM**

#### **Break**

**10:30 AM**

#### **Panel Discussion**

*Mr. Ralph E. Beedle, Senior Vice President and Chief Nuclear Officer, Nuclear Generation, Nuclear Energy Institute*

*Mr. Terry D. Boss, Senior Vice President of Environment, Safety & Operations, Interstate Natural Gas Association of America*

*Mr. John Felmy, Chief Economist and Director of Policy Analysis and Statistics, American Petroleum Institute*

*Mr. Kevin Kolevar, Senior Policy Advisor for Science and Technology, Department of Energy*

*Dr. Paula L. Scalingi, Founder and President, The Scalingi Group*

**12:30 PM**

#### **Conclusion**

## ***Discussion Framework***

Before September 11, to many the threat of physical attacks on U.S. soil against the nation's privately owned critical infrastructure simply did not seem real. Since those tragic events, there has been increased discussion of the importance of protecting our critical infrastructure. Unfortunately, some of that discussion has taken on an almost hysterical tone, as the public realizes for the first time how many targets that a determined foe could exploit. The result is a lack of focus in the policy community and private sector. There is so much at risk that we don't know what to do first.

The purpose of this CSIS series is to focus on the next steps in critical infrastructure protection. What are the greatest vulnerabilities that, if attacked, could cause the most catastrophic consequences? What are the few, most important issues that policymakers and infrastructure owners must address immediately? What are the most promising avenues for new technology?

This program focuses on the energy infrastructure. We will discuss issues such as:

- What are the most serious vulnerabilities in the energy sector? The nuclear energy industry? Large attractive targets such as pipelines, refineries, and dams? Liquid natural gas operations? The electric grid? How vulnerable are they to attack and, if attacked, how catastrophic would be the results?
- How should we balance our attention between prevention of attacks and preparing for response and recovery from attacks? Are we striking this balance correctly?
- Is the federal government's role and authority in preventing and responding to critical infrastructure emergencies in the energy sector sufficiently clear?
- Is there enough research and development into new technologies that could assist critical infrastructure protection in the energy sector? Is new technology that exists getting to where it can help? If not, why not?
- Is there specific legislation that should be proposed or pushed to increase security in the energy sector? Are there existing laws or regulations that should be changed?

### ***Keynote Speaker***

#### **MR. EUGENE R. McGRATH**

**Chairman of the Board, President and Chief Executive Officer, Consolidated Edison, Inc.**

Eugene R. McGrath is Chairman of the Board, President and Chief Executive Officer of Consolidated Edison, Inc., the holding company; and Chairman and Chief Executive Officer of its largest subsidiary, Con Edison of New York, the regulated utility. Mr. McGrath joined Con Edison of New York as an engineer following college graduation in 1963. He eventually held key executive positions in the utility's major operating and customer service areas and managed fossil-fired and nuclear generating plants. He was elected Vice President in 1978, Executive Vice President in 1982, and President and Chief Operating Officer in 1989. He became Chairman and Chief Executive Officer in September 1990.

Within the energy industry, Mr. McGrath is a member of the Executive Committee of the Energy Association of New York State and a director of the Edison Electric Institute. He also serves on the board of directors of many organizations that advance economic development, human services, culture and education. Mr. McGrath is chairman of the 14th Street/Union Square Local Development Corporation, director of the American Woman's Economic Development Corporation, the Atlantic Mutual Insurance Company, Barnard College, the Business Council of New York State, the Committee for Economic Development, the Fresh Air Fund, the Hudson River Foundation for Science and Environmental Research, Inc., Manhattan College, the New York City Partnership and Chamber of Commerce, Schering-Plough Corporation, the United Way of New York City, and the Wildlife Conservation Society. He is also a member of the Council on Foreign Relations, the Economic Club of New York, the Committee to Encourage Corporate Philanthropy and the Energy Committee of the New York Building Congress.

A native New Yorker, Mr. McGrath earned a mechanical engineering degree from Manhattan College in 1963, a Masters in Business Administration from Iona College in 1980 and completed the Advanced Management Program at Harvard University in 1989. He is a member of the National Academy of Engineering.

### ***Panelists***

#### **MR. RALPH E. BEEDLE**

**Senior Vice President and Chief Nuclear Officer, Nuclear Generation, Nuclear Energy Institute**

Ralph Beedle is senior vice president and chief nuclear officer, nuclear generation, of the Nuclear Energy Institute (NEI). Mr. Beedle came to NEI in 1996 from the Institute of Nuclear Power Operations, where he was involved in nuclear power plant evaluations. In 1985, Mr. Beedle joined the New York Power Authority as the vice president for nuclear support. He was promoted to executive vice president, nuclear generation, in 1991, with responsibility for operation of both the Indian Point 3 and James A. FitzPatrick nuclear power plants. Mr. Beedle graduated from the U.S. Naval Academy in 1962, then served 21 years in the Navy nuclear submarine program. He commanded the nuclear submarine, USS Los Angeles, the first of the SSN688 class of submarines. He was a member of the Secretary of the Navy Strategic Studies Group before retiring in 1983.

#### **MR. TERRY D. BOSS**

**Senior Vice President, Environment, Safety & Operations, Interstate Natural Gas Association of America**

Terry Boss is a mechanical engineer by training. He joined Natural Gas Pipeline Company of America in 1974, where he held positions in field operations, construction, plant and pipeline safety, development engineering, computer engineering and pipeline safety. He joined the Gas Research Institute in 1993 as a principal technology manager in Transmission. His responsibilities there included the Non - Destructive Evaluation program and Pipeline O&M Program. In September 1995, Mr. Boss joined the Interstate Natural Gas Association of America (INGAA) as director of Environment, Safety and Operations. In 1996, he was promoted to Vice President, Environment, Safety and Operations and in 2001 to Senior Vice President. He is responsible for regulatory policy in the areas of pipeline operations, pipeline safety and environment. Mr. Boss received his BS from Iowa State in 1974 and his MBA from Illinois Institute of Technology in 1986.

**MR. JOHN FELMY**

**Chief Economist and Director of Policy Analysis and Statistics, American Petroleum Institute**

John Felmy is Chief Economist and Director of the Policy Analysis and Statistics Department at the American Petroleum Institute. His department is responsible for all statistical publications and economic analysis of the Institute. He has over twenty years experience in energy, economic and environmental analysis. Mr. Felmy is a member of several professional associations including the American Economics Association and the International Association for Energy Economics and is currently Vice President of the U.S. Association for Energy Economics. Currently, Mr. Felmy is serving as the Chairman of the Policy Committee of the Alliance for Energy and Economic Growth. He received Bachelors and Masters in Economics from The Pennsylvania State University and a Ph.D. in Economics from The University of Maryland.

**MR. KEVIN KOLEVAR**

**Senior Policy Advisor for Science and Technology, Department of Energy**

Kevin Kolevar is a Senior Policy Advisor to Secretary of Energy Spencer Abraham. He joined the Department of Energy in 2001 and has specialized in a diverse range of issues, including critical infrastructure protection, climate change, and fossil and nuclear energy. From 1995 to 2000, Mr. Kolevar was a Legislative Assistant to then Senator Spencer Abraham (R-Michigan), and was responsible for issues related to energy, the environment, and technology. Prior to joining Senator Abraham's office, Mr. Kolevar worked for Senator Connie Mack (R-Florida) from 1991 to 1994.

**DR. PAULA L. SCALINGI**

**Founder and President, The Scalingi Group**

Paula Scalingi is the founder and president of The Scalingi Group, a consulting firm that provides expertise, tools, and technologies to the public and private sectors in the areas of infrastructure security, emergency preparedness, energy assurance, and information assurance. In addition to her consulting practice, Dr. Scalingi serves as co-director of the newly-created Forum on Global Security for the State University of New York at Stony Brook. Previously, Dr. Scalingi was the founder and director of the Department of Energy's Office of Critical Infrastructure Protection. The office was established in October 1999 to work with the private and public sectors to help protect the nation's energy infrastructures. Prior to this, Dr. Scalingi was founder and director of the Infrastructure Assurance Center at Argonne National Laboratory, and earlier, the director of the Decision and Information Sciences (DIS) Division. She has also held positions at the Arms Control and Disarmament Agency (ACDA), the House Permanent Select Committee on Intelligence, and the Central Intelligence Agency. Dr. Scalingi has been chairman and advisor to several committees and groups working on critical infrastructure protection within the electric, water, and oil and natural gas sectors. She holds Ph.D. and M.A. degrees from Florida State

University, an M.A. from American University, and a B.A. from the University of Miami. She is also a graduate of the Foreign Service Institute's Program on Economic and Commercial Studies.