

## Evaluating the Energy Security Implications of a Carbon-Constrained U.S. Economy

July 10, 2009  
12:30 pm – 3:00 pm

CSIS B1 Conference Center  
1800 K Street, NW  
Washington, DC 20006

### Biographies

#### **Britt Childs Staley, WRI**

Britt Childs Staley is an Associate with WRI's international climate policy team. Her research primarily focuses on clean technology deployment, including regulatory and investment frameworks to facilitate market penetration of new energy technologies. To date, much of this research has focused on biofuels policy in the US and its implications internationally. In addition to the technology research, she also works on sustainable development issues and international climate policy.

#### **Rick Duke, US Department of Energy**

Before his appointment as the Deputy Assistant Secretary for Climate Policy in the Office of Policy and International Affairs at the US Department of Energy, Mr. Duke was the Director of NRDC's Center for Market Innovation. Prior to joining NRDC, Rick was an Engagement Manager at McKinsey, where his projects included developing a hedging strategy for the world's leading originator of Clean Development Mechanism CO2 credits and managing a major assessment of global greenhouse gas reduction opportunities that was published by both McKinsey and the EU utility Vattenfall. Mr. Duke also previously worked for the Federal Reserve Bank of New York, managed a small renewable energy company in Honduras and consulted for the International Finance Corporation. He holds a Ph.D. from Princeton University where his doctoral work focused on the economics of public investment to deploy emerging clean energy solutions.

#### **Rob Church, American Council on Renewable Energy**

Robert L. Church, P.E. is Vice President of Industry Research & Analysis at ACORE. Mr. Church leads ACORE's efforts to provide analytical services to its members, and contributes to its educational efforts in the public sector. Mr. Church has spent over 30 years in technical and analytical positions in the energy industry, working with both the government and public sector clients. His areas of expertise include engineering, economics and finance, which he has applied to strategic planning, mergers and acquisitions, due diligence, and restructuring activity for utilities and other energy industry stakeholders.

Before joining ACORE in 2008, Mr. Church worked for Management Consulting Services, Inc., the National Rural Electric Cooperative Association, and for Booz, Allen & Hamilton's Energy Practice. Mr. Church has a Bachelor of Science in Electrical Engineering from the University of Texas at Austin and an MBA from the University of Chicago. He is a Registered Professional Engineer.

### **Joe Loper, Alliance to Save Energy**

Joe Loper, Vice President of Policy and Research, supervises the Alliance's policy and research activities. He has more than 15 years of experience in a wide range of energy efficiency research and advocacy, as well as design and deployment of training, education and market transformation programs. Loper was the lead author of "Energy Efficiency in Data Centers: A New Policy Frontier," published in the *Journal of Environmental Quality Management*, (2007) and contributing author for Environmental Protection Agency's *Report to Congress on Server and Data Center Energy Efficiency* (2007). In 2007, he co-authored a chapter of the Presidential Climate Action Project report with recommendations for how the federal government can reduce its carbon footprint by 80 percent below 1990 levels by 2050. As lead author of *Leading by Example: Improving Energy Productivity in Federal Government Facilities* (1998), he worked with the White House and Department of Energy to implement recommendations contained in the report through Executive Order and legislation. Loper received a Master of Science degree in Economics from Rensselaer Polytechnic Institute in 1995 and is a Certified Energy Manager.

### **Sarah Forbes, WRI**

Sarah leads WRI's work on carbon capture and storage (CCS). She developed her expertise in CCS with 8 years of experience in program management and energy analysis at the National Energy Technology Laboratory (NETL) and as a consultant with Potomac-Hudson Engineering. Her publications include *Guidelines for Carbon Dioxide Capture, Transport, and Storage*, work on regulatory frameworks CCS, the role of CCS in state climate change activities, and protocols for reporting CCS projects as greenhouse gas reductions. She previously led the education and roadmap development efforts for the Department of Energy's Carbon Sequestration Research Program.

### **Paul Genoa, Nuclear Energy Institute**

Mr. Genoa is the Director of Policy Development at the Nuclear Energy Institute. His focus is on developing unified industry policies and effectively communicating those policies to key stakeholders. His technical, regulatory and political experience makes him a valuable resource to policymakers on nuclear energy and environmental issues. He is an energy advisor to the U.S. Secretary of Commerce and the U.S. Trade Representative. His professional career in the nuclear industry has spanned 25 plus years working as a Health Physicist on radiation protection and environmental issues at the Florida Power Corporation - *Crystal River Nuclear Plant*, the Arizona Public Service - *Palo Verde Nuclear Generation Station*, and at the Consumers Power - *Big Rock Point Atomic Plant*. He joined the Institute in March of 1995. Mr. Genoa received his B.S. Degree in Environmental Health at Colorado State University's *School of Veterinary Medicine & Biomedical Sciences*. He received his M.B.A. from NOVA University's *School of Business and Entrepreneurship*.