



## Economic Modeling of Federal Climate Legislation: Advancing Model Transparency and Technology Policy Development

July 18-19, 2007

Hyatt Regency Washington on Capitol Hill, Columbia Room  
400 New Jersey Avenue NW, Washington DC

### AGENDA

**WEDNESDAY JULY 18**

***ECONOMIC MODELING: RESULTS, GAPS AND POLICY IMPLICATIONS***

#### **8:00am - Opening**

Welcome - **Tim Profeta**, Director, Nicholas Institute

Overview/Mission of the Workshop - **Brian Murray**, Director for Economic Analysis, Nicholas Institute

#### **Information Needs of the Political and Regulatory Process**

**David McIntosh**, Office of Senator Joseph Lieberman

**Brian McLean**, Director, Office of Atmospheric Programs, US Environmental Protection Agency

#### **8:40am - Session 1: Bounding Analyses of Climate Bills using Selected Models**

*Session Chair:* **Brian Murray**, Nicholas Institute

**Henry Jacoby**, MIT Joint Center on MIT Joint Program on the Science and Policy of Global Change. *Assessment of U.S. Cap and Trade Proposals.*

**Martin Ross**, RTI International. *Assessing Cap-and-Trade Proposals at the Global, National, and Sub-national scales with the ADAGE Model.*

**Ronald Sands**, PNNL/U Maryland Joint Global Change Research Institute. *Application of Second Generation Model (SGM) to US Cap and Trade Reference Scenarios.*

**10:00 am – Break**

**10:15 am – Q&A**

#### **11:00am - Session 2: Federal Agency Modeling and Analysis**

*Session Chair:* **Tim Profeta**, Nicholas Institute

**Francisco de la Chesnaye**, US Environmental Protection Agency. *Analysis of Climate Proposals Using Multiple Models (IGEM, ADAGE, and IPM).*

**Alan Beamon** and **Howard Gruenspecht**, Energy Information Administration (EIA). *EIA Analysis of Climate Proposals Using National Energy Modeling System (NEMS).*

**Q&A**

**12:30pm - Lunch**

#### **1:30pm - Session 3: Defining the Technology Transition**

*Session Chair:* **Eric Williams**, Nicholas Institute

## Nicholas Institute Symposium Agenda

**Richard Richels**, Electric Power Research Institute. *Managing the Transition to Climate Stabilization (Merge model).*

**Bruce McCarl**, Texas A&M University. *Linking Biofuel Supply and Demand using the FASOMGHG model.*

**John (Skip) Laitner**, American Council for an Energy Efficient Economy. *Incorporating End-use Energy Efficiency into CGE Models using AMIGA.*

**Q&A**

**3:15pm - Break**

**3:30pm - Session 4: Perspectives on the Models**

*Session Chair: Brian Murray*, Nicholas Institute

**Richard Newell**, Duke University and Resources for the Future

**Billy Pizer**, Resources for the Future/National Commission on Energy Policy

**John Weyant**, Stanford University

**David Montgomery**, Charles River Associates

**Q&A**

**5:30pm - Adjourn**

*Reception to follow*

**THURSDAY JULY 19**  
**LINKING ADVANCED TECHNOLOGIES, MODELING AND**  
**COMPLEMENTARY TECHNOLOGY POLICIES**

**8:30am - Session 5: Frontier Technologies – Opportunities and Barriers: Technological, Economic, and Policy**

*Session Chair: Josiah Knight*, Pratt School of Engineering, Duke University

**Jim Dooley**, Pacific Northwest National Laboratory. *Carbon capture and storage.*

**Doug Arent**, National Renewable Energy Laboratory. *Advanced renewables*

**Steve Plotkin**, Argonne National Laboratory. *Advanced transportation technologies.*

**Michael Corradini**, University of Wisconsin, *Advanced nuclear technologies*

**Q&A**

**10:30am Break**

**10:45am - Session 6: Crafting Technology Policy**

*Session Chair: Tim Profeta*, Nicholas Institute

**Michal Moore**, Institute for Sustainable Energy, Environment and Economy, University of Calgary. *The role of modeling in the regulatory process: providing incentives for developing and integrating new technology in the power industries to address climate change.*

**Jon Anda**, Environmental Markets Network. *Carbon Markets, Financial Instruments and Induced Technical Change.*

**Bill Bonvillian**, Massachusetts Institute of Technology.

**Q&A**

**12:15pm - Closing Comments**

**12:30pm - Adjourn**