

AGENDA
EMF 25 Working Group Meeting
Energy Demand and Efficiency

Westin Washington DC City Center
1400 M Street NW
Washington DC
November 6-7, 2008

Wednesday, November 5

8-10 PM Informal Reception, Hotel Atrium

Thursday, November 6

8:15 AM Continental Breakfast

9:00 AM Welcome and Study Objectives

9:15 AM Panel & Discussion: What Do Decisionmakers Want?

Robert Fri, Resources for the Future, moderator

David McIntosh

Sam Baldwin, US Department of Energy

James Lockhart, Exelon

(8-minute opening remarks by panelists followed by discussion)

10:30 AM Break and Informal Discussions

10:50 AM Panel & Discussion: What Might Modelers Provide?

John Weyant, Stanford University, moderator

Henry Jacoby, Massachusetts Institute of Technology

Leon Clarke, Joint Global Change Research Institute

Mark Jaccard, Simon Fraser University

John Conti, US Energy Information Administration

(8-minute opening remarks by panelists followed by discussion)

12:15 PM Lunch

1:15 PM Panel & Discussion: Extending Models with Policy and

Micro-Level Analyses

James Sweeney, Stanford University, moderator

Jayant Sathaye, Lawrence Berkeley National Laboratory

Peter Mulder, VU University Amsterdam

Karen Palmer, Resources for the Future

Robert Earle, Brattle

(8-minute opening remarks by panelists followed by discussion)

2:45 PM Break and Informal Discussions

3:00 PM Panel & Discussion: Possible Model Scenarios

Hillard Huntington, Stanford University, moderator

Alan Sanstad, Lawrence Berkeley National Laboratory

Michael Leifman, General Electric

Charles Rossman, Southern

Eric Smith, US Environmental Protection Agency

(8-minute opening remarks by panelists followed by discussion)

5:00 PM Adjournment for the Day

6:30 PM Social Gathering and Dinner, Old Ebbitt Grill

Friday, November 7

8:15 AM Continental Breakfast

9:00 AM Scenario Design Discussions: Revisited

10:30 AM Break and Informal Discussion

10:50 AM Input Assumptions and Required Outputs

12:00 noon Lunch

1:00 PM Final First-Round Scenarios and Next Steps

3:00 PM Adjournment of the Meeting

Pre-Meeting Issues Offered by EMF 25 Participants

Coverage:

- Do we restrict attention to end-use demand and efficiency issues or do we expand coverage to electricity supply efficiency and choices, too?
- Which countries or regions, sectors and time horizons should be selected?

Policy:

- Is a massive investment in energy efficiency and the clean energy sector a primary path to economic recovery in a world rocked by severe economic dislocation over the past month?
- What is the role of efficiency (once defined) in stabilizing greenhouse gases to some target level?
- What complimentary policies to cap and trade might be implemented and how can they be represented in policy models?
- How do you convey policy tradeoffs rather than the single “silver bullet” solution?
- Which utility policies actually reduce energy demand efficiently?

Modeling:

- What are the advantages and limitations of characterizing energy efficiency as a resource to compete directly with alternative supply options?
- How can bottom-up and micro analysis be “scaled up” for incorporation into integrated assessment or other large-scale energy policy models?
- Once innovation introduces a new option, how does this technology penetrate the market?

Underlying energy demand trends (without new energy/environmental policies):

- What is the demand response to high, low or fluctuating oil price paths?
- What is the relationship between energy prices and economic growth?
- What adjustments in energy service demands (vehicle ownership, floorspace, industrial mix) should be expected as the economy grows?
- How will the new realities in the cost of capital influence energy demand and energy efficiency opportunities?

Consumer behavior responses:

- How can models incorporate qualitative traits, technology risks, program costs and other factors that may not be reflected in the average monetary costs of adopting and using competing technologies?
- Which traits and/or responses can actually be measured?
- Have the value of these traits changed over time?
- How do consumers respond to different types of utility conservation programs?
- Can *ex post* evaluations be developed that measure and verify the success of demand reduction programs?
- Have past efficiency and fuel economy standards reduced consumers’ responses to future energy price changes?