A national laboratory of the U.S. Department of Energy
Office of Energy Efficiency & Renewable Energy

NREL Energy Analysis Forum

"Analytic Insights into Carbon Policy Design and the Implications for Energy Efficiency and Renewable Energy"

November 27-28, 2007

Energy Analysis Forum Series

- Initiated in 2001
- Purpose is understanding energy issues (energy analysis)
- For each forum, we choose a current energy issue and address
  - What is known about the issue
  - What isn't known (and should be)
  - What studies should be conducted

Prior Energy Analysis Forums

1. **The role of renewables in regional power markets**
   - August 2001 in Golden, Colorado
   - Helped regional decision makers understand issues and options for use of renewables
2. **The role of renewables in improving air quality**
   - May 2002 in Golden, Colorado
   - Helped federal, state, and local air quality officials understand the potential of renewable energy options
3. **The strategic interests of the U.S in expanding the global use of renewables**
   - June 2003 in Washington, D.C.
   - Helped improve understanding of the costs and benefits to the U.S. of global renewable energy deployment
4. **The adoption of energy efficiency and renewable energy technologies in state markets**
   - November 2004 in Golden, Colorado
   - Helped state officials understand the issues related to using renewables in regional electricity markets.

www.nrel.gov/analysis/forum/

Opening Session – Key Questions

- What analysis has been done, and what are the remaining gaps and analytic needs regarding the effectiveness of various carbon policy designs and implications for EE/RE technologies?
- What analysis tools are available to address climate policy costs and benefits, and how could they be enhanced or new ones developed to address needs?
- What does experience tell us about market interaction among the sectors and its importance to achieving overall carbon goals, whatever those might evolve to be?
- How do carbon regulation designs interact with other policies related to RE and EE technologies (e.g., RPS, RFS, CAFE standards, etc.)?
- What are the analytic needs for better understanding carbon policies and how they relate to economic development, environmental effects, and energy security?