

# 2010 Carbon and Climate Change

## February 16\*, 17-18, 2010 • AT&T Conference Center • Austin, TX

### Tuesday Afternoon, Feb. 16, 2010

5:00 pm 0.00 hr ethics	<b>Tuesday Opening Networking Reception</b>  Join speakers, registrants, and sponsors of the RPSEA CO2 EOR Forum and the UT Carbon and Climate Change Conference, along with regulatory and legislative members and staff at our opening joint reception. Great courtyard and campus views, great conversation, and contacts—don't miss it.
6:30 pm	<b>Adjourn</b>

### Wednesday Morning, Feb. 17, 2010

**Presiding Officer:**  
**Melinda E. Taylor**, Austin, TX

8:00 am	<b>Registration Opens</b>  Includes continental breakfast.
8:45 am	<b>Welcoming Remarks</b>
	<b>Overview, Economics, and Trigger Points</b>
9:00 am 0.50 hr	<b>Conference Overview and International Perspectives</b>  A preview of issues including domestic and international perspectives.  David E. Adelman, The University of Texas School of Law - Austin, TX
9:30 am 0.75 hr	<b>Emerging U.S. Climate Policy and Regulation</b>  An analysis of key provisions of recent EPA regulations and pending cap and trade legislation.  Kenneth Berlin, Skadden, Arps, Slate, Meagher & Flom LLP - Washington, DC
10:15 am	<b>Break</b>
10:30 am 0.83 hr	<b>Understanding the Economics and Key Design Issues of Cap and Trade</b>  This session examines key elements that are necessary for an effective cap and trade program, discusses the assumptions underpinning cap and trade, and compares it with other measures, including carbon taxes, performance standards, etc.  William M. Bumpers, Baker Botts L.L.P. - Washington, DC Kenneth B. Medlock III, Rice University, James A. Baker III Institute for Public Policy - Houston, TX

11:20 am 0.33 hr	<p><b>Technology and Trigger Points, Part I: Technology and Carbon Capture</b></p> <p>An update and review of current technologies for carbon capture—what's being deployed and what are the key technical aspects which impact cost and performance.</p> <p>Nancy Mohn, Alstom Power, Inc. - Windsor, CT Jeffrey N. Phillips, Electric Power Research Institute (EPRI) - Charlotte, NC</p>
11:40 am 0.92 hr	<p><b>Technology and Trigger Points, Part II: Economics and Incentives of Carbon Capture and Mitigation</b></p> <p>At what combinations of energy prices, cost of carbon, special incentives, and financing costs do various technologies and mitigation efforts make sense? This session may also touch on federal incentives and grants impacting trigger points.</p> <p>Moderator: Nancy Mohn, Alstom Power, Inc. - Windsor, CT Panelists: Carey W. King, The University of Texas, Jackson School of Geosciences - Austin, TX Panelists: Jeffrey N. Phillips, Electric Power Research Institute (EPRI) - Charlotte, NC</p>

## Wednesday Afternoon, Feb. 17, 2010

### Presiding Officer:

**Robert W. Gee**, Falls Church, VA

	<p><b>KEYNOTE LUNCHEON PRESENTATION</b></p> <p>Sponsored by Alstom Power, Inc.</p>
12:35 pm	<p><b>Pick up Box Lunch</b></p> <p>Included in conference registration fee.</p>
12:55 pm 0.08 hr	<p><b>Introduction of Luncheon Keynote Speaker</b></p> <p>Raymond L. Orbach, The University of Texas - Austin, TX</p>
1:00 pm 0.75 hr	<p><b>View from the Department of Energy</b></p> <p>An increasingly complex energy economy with growing energy demand and a need to reduce greenhouse gas emissions needs a balanced perspective that considers all three dimensions: supply, economics, and environment—concurrently. Assured, affordable, and sustainable energy supplies will depend on a broad portfolio of proven, new, renewable, and alternative sources coupled with enhanced recovery technologies, greater fuel flexibility, and increased efficiency.</p> <p>Carl O. Bauer, U.S. Department of Energy - Morgantown, WV</p>
1:45 pm 0.50 hr	<p><b>View from the University of Texas: Innovative Business Opportunities and Technologies for Carbon Mitigation</b></p> <p>The future of fossil fuels in a carbon-constrained environment.</p> <p>Raymond L. Orbach, The University of Texas - Austin, TX</p>

2:15 pm	<b>Break</b>
	<b>Follow the Money: Risks and Opportunities</b>
2:30 pm 1.00 hr	<b>Monetizing Carbon, I: Carbon Credit Projects and Carbon Financing</b>  How they work, how they're financed, and a short note on carbon trading.  Scott D. Deatherage, Thompson & Knight LLP - Dallas, TX Matthew J. Harmer, Blue Source - Holladay, UT
	<b>Federal Landscape: EPA, Cap and Trade, and Carbon Transport</b>
3:30 pm 0.50 hr	<b>EPA and Texas State Regulation of Carbon Injections</b>  An overview of the statutory authorities that convey jurisdiction to federal and Texas regulatory agencies to regulate carbon injection, and associated regulatory program developments.  Robert Ko Greenslade, Fulbright & Jaworski, LLP - Austin, TX
4:00 pm	<b>Break</b>
4:15 pm 0.50 hr	<b>The Future of the Refining Sector under Cap and Trade</b>  The impact of cap and trade on the refining sector.  Moderator: Debbie M. Hastings, Texas Oil & Gas Association - Austin, TX Panelists: Kimberly S. Bowers, Valero Energy Corporation - San Antonio, TX Panelists: Robert W. Johnson, Exxon Mobil Corporation - Houston, TX
4:45 pm 0.92 hr	<b>Monetizing Carbon, II: Corporate Strategies and Opportunities from Sustainability and Green Branding</b>  This panel addresses opportunities related to the growing emphasis on sustainability among consumers, employees, investors, and other stakeholders. It focuses on supply chain and product sustainability, led by Wal-Mart's announcement of the Sustainability Index, and Dell's recent leading-edge strategies and achievements related to climate change and sustainability.  Moderator: Michael Berg, Berg & Associates - Austin, TX Panelists: Jon Johnson, University of Arkansas, Sam M. Walton College of Business - Fayetteville, AR Panelists: Mark D. Newton, Dell, Inc. - Round Rock, TX
5:40 pm	<b>Adjourn to Reception</b>

## Thursday Morning, Feb. 18, 2010

### Presiding Officer:

**Michael J. Nasi**, Jackson Walker L.L.P. - Austin, TX

7:45 am	<p><b>Conference Room Opens</b></p> <p>Includes continental breakfast.</p>
	<p><b>The Texas Edge: Geology, Legislative and Policy Initiatives</b></p>
8:20 am 0.17 hr	<p><b>The Texas Edge: Overview and Hypotheticals</b></p> <p>This opening session sets forth some key issues to be addressed in the following panels including two hypotheticals involving carbon capture and sequestration (CCS). The first involves the post-combustion retrofit of an existing East Texas power plant and the second involves a greenfield gasification project in West Texas. Both projects involve short- and long-term carbon storage/EOR opportunities within Texas.</p> <p>Michael J. Nasi, Jackson Walker L.L.P. - Austin, TX</p>
8:30 am 0.50 hr	<p><b>The Texas Edge, Part I: Geology and Enhanced Oil Recovery (EOR)</b></p> <p>A look at the major unique geologic setting in Texas for CCS in both EOR operations and brine aquifers; and storage opportunities that might exist on- and off-shore Texas with reference to the hypothetical CCS cases discussed above.</p> <p>Scott W. Tinker, The University of Texas at Austin Jackson School of Geosciences - Austin, TX</p>
9:00 am 1.00 hr	<p><b>The Texas Edge, Part II: Legislative and Policy Initiatives</b></p> <p>A discussion of the relevant financial and regulatory incentives provided in the past two Texas legislative sessions including HB 469, HB 1796, HB 3676, HB 3896, HB 3732, HB 1967, and SB 1387 and how they affect or benefit the proposed hypothetical developments outlined in the opening session. This session concludes with updates on the Railroad Commission's pending regulation to implement key components of SB 1387.</p> <p>Moderator: Michael J. Nasi, Jackson Walker L.L.P. - Austin, TX</p> <p>Panelists: Darrick W. Eugene, The Congress Avenue Lobby Group - Austin, TX</p> <p>Panelists: Aileen M. Hooks, Baker Botts L.L.P. - Austin, TX</p> <p>Panelists: Leslie L. Savage, Railroad Commission of Texas - Austin, TX</p>
10:00 am	<p><b>Break</b></p>
10:15 am 1.00 hr	<p><b>The Texas Edge, Part III: Experience with and Demand for CO2</b></p> <p>This panel builds on the information and discussion from the prior sessions and focuses on how each project will secure permanent storage for the CO2 captured at each site. Issues to be addressed include 1) locating the best candidate sites for EOR, 2) securing a long-term option for deep brine aquifer storage for each site, and 3) transportation/pipeline issues related to both options.</p> <p>Moderator: Michael J. Nasi, Jackson Walker L.L.P. - Austin, TX</p> <p>Panelists: David L. Coleman, DNV Energy North America - Katy, TX</p> <p>Panelists: Michael J. Hirl, Kinder Morgan CO2 Company, L.P. - Houston, TX</p> <p>Panelists: Steve Melzer, Melzer Consulting - Midland, TX</p>

11:15 am 1.00 hr	<p><b>The Texas Edge, Part IV: Public Participation in the Development of Carbon-Related Projects, from Inception, through Transport, to Injection</b></p> <p>This panel provides a high-level overview of the process and substantive requirements in Texas for obtaining cradle-to-grave authorizations for projects that generate and capture, transmit, and inject carbon. The presentation focuses on opportunities for public input and on strategies for raising and addressing public concerns.</p> <p>Molly Cagle, Vinson &amp; Elkins LLP - Austin, TX  Jeff Civins, Haynes and Boone, LLP - Austin, TX  David O'Brien Frederick, Lowerre, Frederick, Perales, Allmon &amp; Rockwell - Austin, TX</p>
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## Thursday Afternoon, Feb. 18, 2010

### Presiding Officer:

**John Moore**, Stratus Energy Group - Austin, TX

	<b>LUNCHEON PRESENTATION</b>
12:15 pm	<p><b>Pick up Box Lunch</b></p> <p>Included in conference registration fee.</p>
12:40 pm 0.75 hr	<p><b>The Economics and Future of Gas for Power Generation</b></p> <p>Richard G. Smead, Navigant Consulting, Inc. - Houston, TX</p>
1:25 pm	<b>Break</b>
1:40 pm 0.33 hr	<p><b>View from the Commission</b></p> <p>Preparing the Texas electric market for federal climate change legislation.</p> <p>Barry T. Smitherman, Public Utility Commission of Texas - Austin, TX</p>
2:00 pm 1.00 hr	<p><b>Power Generators Panel</b></p> <p>Join top-level executives from leading Texas power companies for a discussion of the key issues, choices, and opportunities confronting power generators in a world where CO2 emissions are expected to become more costly. How will the mix of power generation change: To what extent will the deployment of renewable energy play to reduce carbon emissions? What are expected ranges of increases to the price of power in Texas and across the country under carbon legislative actions currently being discussed? How will consumers and investors respond? What is the future of coal? What regulatory regimes and state and federal incentives make sense to facilitate a transition to reduced carbon levels?</p> <p>Moderator:  Barry T. Smitherman, Public Utility Commission of Texas - Austin, TX  Panelists:  Andrew Gilbert, International Power America, Inc. - New York, NY  Panelists:  Daniel G. Kuehn, Lower Colorado River Authority - Austin, TX  Panelists:  Matthew Schafer, NEXtera Energy Resources - Juno Beach, FL</p>

3:00 pm  
1.00 hr

### **Smart Grids: Key Developments, Economics, and Legal Issues**

With the need to curb greenhouse gases, utilities will need to incorporate more renewable energy sources at the transmission, distribution, and end use level. Distributed energy resources require a networked Smart Grid to maintain grid reliability and availability. Many technological, economic, and legal issues need to be worked out to make the Smart Grid commercially viable. This panel discusses such issues, highlights the progress that the industry has made already, and identifies the gaps that need to be filled.

Moderator:

Erfan Ibrahim, Electric Power Research Institute (EPRI) - Palo Alto, CA

Panelists:

Karl R. Rábago, Austin Energy - Austin, TX

Panelists:

Hannah Jacobs Wiseman, The University of Texas School of Law - Austin, TX

4:00 pm

**Adjourn**