Carbon Capture and Storage
Initiatives, Project Development, and Governments

National Conference of State Legislatures
NCSL ADVANCED COAL TECHNOLOGIES ENERGY INSTITUTE

Tampa, Florida
November 1, 2007

L. Stephen Melzer

Melzer Consulting
CCS: Initiatives, Project Development, and Government

The Foundation: Development of a Carbon Capture and Storage (CCS) Industry

CCS will Necessarily be Interwoven with and Critical to a Huge Retooling of Staple Industries (Oil, Coal, Utilities)
CO₂ Storage

Analogues

- CO₂ EOR
- Natural Gas Storage
- Acid Gas Injection
- Strategic Petroleum Reserve

State Regulated

DOE administered, M&O Contractor - DynMcDermott Petroleum Operations Company
This Might Surprise You but CCS is Starting from a Large Experience Base

- **CO$_2$ Injection**: 4600 Active Injection Wells in the U.S.
- **CO$_2$ Transportation**: 3500 miles of high pressure CO$_2$ pipelines in the U.S.
- **CO$_2$ Processing**: Over ten Large CO$_2$ separation/processing facilities in the U.S.
- **Reservoir Understanding**: Untold Seismic and Geologic Mapping Studies of Potential Host Reservoirs
- **And, yes, CO$_2$ Storage**: 80 Active CO$_2$ EOR Projects Actively Storing CO$_2$ Today
DEDICATED CCS INITIATIVES UNDERWAY

- Government/Industry Projects
- Commercial Projects
- Policy
- Legislation
GOVERNMENT / INDUSTRY PROJECTS

- FutureGen IGCC
  Site Selection 12/07

- DOE Carbon Sequestration Partnerships
  Phase II work on-going,
  Phase III announcements on-going
COMMERCIAL PROJECTS IN PLANNING

- ELECTRICAL POWER
  - w/ POST COMBUSTION CAPTURE
  - w/ PRE COMBUSTION CAPTURE
- POLYGEN
- COAL TO LIQUIDS
- NATURAL GAS SEPARATION
- ETHANOL
- REFINERIES
POLICY INITIATIVES

- INTERSTATE OIL AND GAS COMPACT COMMISSION (IOGCC) MODEL RULES FOR CCS
- INDIVIDUAL STATE ACTIONS
- FEDERAL AGENCY INVOLVEMENT
- INCENTIVES
- CLIMATE CHANGE
  - Cap and Trade
  - Carbon Tax
A BRIEF BIT OF BACKGROUND ON THE IOGCC
The Interstate Oil and Gas Compact Commission

Member States
Alabam (1945)
Alaska (1957)
Arizona (1955)
Arkansas (1941)
California (1974)
Colorado (1935)
Florida (1945)
Illinois (1935)
Indiana (1947)
Kansas (1935)
Kentucky (1942)
Louisiana (1941)
Maryland (1959)
Michigan (1939)
Mississippi (1948)
Montana (1945)
Nebraska (1953)
Nevada (1955)
New Mexico (1935)
New York (1941)
North Dakota (1953)
Ohio (1943)
Oklahoma (1935)
Pennsylvania (1941)
South Dakota (1955)
Texas (1935)
Utah (1957)
Virginia (1982)
West Virginia (1945)
Wyoming (1955)

Associate States
Georgia (1946)
Idaho (1960)
Missouri (1995)
North Carolina (1971)
Oregon (1954)
South Carolina (1972)
Washington (1967)

International Affiliates
Alberta (1996)
British Columbia (2002)
Egypt (1999)
Republic of Georgia (2001)
Newfoundland and Labrador (1997)
Nova Scotia (1997)
Venezuela (1997)
IOGCC’s CARBON CAPTURE AND GEOLOGICAL STORAGE REGULATORY TASK FORCE

- Created in 2003 to Examine Issues of Regulation of CO₂ Injection and Storage
- Comprised of:
  - Representatives of Underground Injection Regulatory Bodies of the States,
  - The Department of Energy
  - The Environmental Protection Agency
  - Environmental Defense NGO
- Conducted a Phase I Effort (Completed in 2005)
- Just Completed their Phase II Effort (Sept 2007) to Draft Model Rules for the States
1. Creation of a nationwide guidance document, approved by the IOGCC, which is specific enough to enable each state to develop its own statutes and regulations while at the same time helping to lay the essential groundwork for a state-regulated, but nationally consistent, “cradle to grave” system for the capture and geologic storage of CO₂.

2. Provide assistance to DOE Carbon Sequestration Partnerships Projects in

   (a) understanding and complying with regulatory requirements for field testing and injection; and

   (b) work with member states in implementing draft model laws and regulations and assessing adequacy of those laws and regulations.
Brief Summary of Phase I Work and Recommendations

• Industry and states have 30+ years experience in the injection, transportation and processing of CO₂.

• States have necessary regulatory analogues in place to facilitate development of a comprehensive CCS regulatory framework.

• CO₂ should be regulated as a commodity to allow the application of oil and gas conservation laws which will facilitate development of storage projects.

• Involve all stakeholders including general public in the development of regulatory frameworks.
EMISSIONS TRADING REGULATIONS

Economic Drivers

Resource Management Drivers

Environmental Drivers

OWNERSHIP AND RESERVOIR PROTECTION

UIC AND HEALTH & SAFETY

CCS REGULATORY FRAMEWORKS
STATE ADMINISTERED “CRADLE TO GRAVE”
CCGS REGULATORY FRAMEWORK

STATE CERTIFICATION AS QUALIFIED CCS PROJECT (INCL CO₂ EOR)

SITE LICENSING AND CERTIFICATION

STATE MODIFIED GAS STORAGE AND UNITIZATION REGULATIONS

SITE AND WELL OPERATIONS

STATE MODIFIED GAS STORAGE AND UIC REGULATIONS

INCORPORATE FEDERAL UIC “LIKE” WELL OPERATIONAL REQUIREMENTS IN A STATE RUN PROGRAM (EXCLUDES FEDERAL OVERSIGHT AUTHORITY)

SITE CLOSURE AND WELL PLUGGING

STATE MODIFIED UIC AND GAS STORAGE REGULATIONS

LONG TERM

STATE ADMINISTERED MODIFIED ABANDONED WELL PROGRAM

STORAGE
STATE ADMINISTERED “CRADLE TO GRAVE” CCGS REGULATORY FRAMEWORK

- Payment of Storage Fee
- Operational Bond
- Site Licensing and Certification
- Site and Well Operations
- Individual Well Bonds
- Bonds released as wells plugged
- Site Closure and Well Plugging
- Long Term Storage
- Bond released 10 years after injection ceases

State administered trust fund assumes responsibility for oversight and liability.
SUMMARY OF PHASE II TASK FORCE PROPOSALS

1. STATES ARE PROPOSED as the lead entities for CCS projects, as states have the necessary regulatory tools and will promote the best interest of the state relative to initiating CCS projects in that state.

2. SOGRAs ARE PROPOSED as the best regulatory agency vehicle to administer a “cradle to grave” flexible and responsive regulatory framework.

3. REGULATORY FRAMEWORK will be a totally state administered program under state authority, incorporating UIC “like” well operational parameters without an accompanying Federal UIC Program regulatory oversight component.

4. STATES WILL BE PROPOSED AS THE ENTITY TO ADMINISTER LONG TERM “CARETAKER” RESPONSIBILITY FOR CCGS PROJECTS, through a State administered trust fund.
POLICY INITIATIVES

- INTERSTATE OIL AND GAS COMPACT COMMISSION (IOGCC) MODEL RULES FOR CCS
- INDIVIDUAL STATE ACTIONS
- FEDERAL AGENCY INVOLVEMENT
- INCENTIVES
- CLIMATE CHANGE
  - Cap and Trade
  - Carbon Tax
INDIVIDUAL STATE ACTIONS
(VERY LIKELY NOT A COMPLETE LIST)

- North Dakota Posted Proposed Rule Changes for 2008 (includes Draft Rules for CCS a la IOGCC model) in September (currently under review)
- Wyoming has Posted Draft Rules for CCS (under review)
- NM and CA have completed Interim Reports on CO$_2$ Sequestration
- Kansas (and others?) currently drafting proposed rules for CCS (a la IOGCC Model Rules)
BACK TO POLICY INITIATIVES

- INTERSTATE OIL AND GAS COMPACT COMMISSION (IOGCC) MODEL RULES FOR CCS
- INDIVIDUAL STATE ACTIONS
- FEDERAL AGENCY INVOLVEMENT
- INCENTIVES
- CLIMATE CHANGE
  - Cap and Trade
  - Carbon Tax
FEDERAL AGENCIES WITH “SKIN” IN THE CCS GAME

• USDOI’s MINERAL MANAGEMENT SERVICE
  – BY WAY OF ITS EXTENSIVE LAND HOLDINGS (PRIMARILY IN THE WEST)

• US DEPARTMENT OF ENERGY
  – BY WAY OF ITS CO₂ SEQUESTRATION LEADERSHIP
  – BY WAY OF ITS OVERSIGHT OF THE STRATEGIC PETROLEUM RESERVE

• U.S. GEOLOGICAL SURVEY
  – BY WAY OF ITS SUBSURFACE KNOWLEDGE AND DATA BASE

• U.S. ENVIRONMENTAL PROTECTION AGENCY
  – BY WAY OF ITS ENVIRONMENTAL REGULATORY MISSION AND ITS ROLE IN GROUNDWATER PROTECTION (IMPLYING A WASTE FRAMEWORK)
POLICY INITIATIVES (CONT’D)

• INTERSTATE OIL AND GAS COMPACT COMMISSION (IOGCC) MODEL RULES FOR CCS
• INDIVIDUAL STATE ACTIONS
• FEDERAL AGENCY INVOLVEMENT
• INCENTIVES
• CLIMATE CHANGE
  – Cap and Trade
  – Carbon Tax
Senate Finance Committee’s Energy Advancement and Investment Act of 2007 (6/19/07)
http://www.senate.gov/~finance/sitepages/leg/LEG%202007/Leg%20110%20061907%20summary.pdf - Under Section II. Carbon Mitigation Incentives

• **CARBON CAPTURE**
  - The SFC proposal would provide a $10 credit per ton for the first 75 million metric tons of CO₂ captured and transported from an industrial source for use in enhanced oil recovery and $20 credit per ton for CO₂ captured and transported from an industrial source for permanent storage in a Deep Geologic Formation (DSF). Qualifying facilities must capture at least 500,000 metric tons of CO₂ per year.

• **CO₂ TRANSPORTATION**
  - Accelerated depreciation for CO₂ pipelines. The proposal allows 7-year treatment for new dedicated pipelines, on the first 300 miles, used to transport CO₂ from an industrial source to a geologic formation for permanent disposal.

• **CO₂ INJECTION**
  - No Direct Incentive being discussed
INCENTIVES UNDER CONSIDERATION
(State-level Examples)

- **Texas HB3732**
  - Recognizes CCS as a Clean Energy Option
  - Incented EOR as CCS by allowing a 1.15% severance tax credit
  - Provided potential ad valorem tax credit for investments to capture CO₂
  - Signed into law 6/07; Currently in Rule Making

- **Wyoming**
  - Wyoming Pipeline Authority extended to CO₂ Pipelines
  - Wyoming Infrastructure Authority

- **North Dakota**
  - North Dakota Pipeline Authority Created to include CO₂ Pipelines

Provides Bonding Authority
POLICY INITIATIVES (CONT’D)

- INTERSTATE OIL AND GAS COMPACT COMMISSION (IOGCC) MODEL RULES FOR CCS
- INDIVIDUAL STATE ACTIONS
- FEDERAL AGENCY INVOLVEMENT
- INCENTIVES

- CLIMATE CHANGE
  - Cap and Trade
  - Carbon Tax

OUTSIDE THE SCOPE OF THIS DISCUSSION
And All at the Federal Level
AN INTERESTING ‘SIDEBAR’ DISCUSSION

DISAGREEMENT ON WASTE OR COMMODITY CO$_2$

- NEARLY ALL STORAGE (e.g., Natural Gas) IS DONE AT STATE LEVEL TODAY (SPR is the exception)
- NEARLY ALL CO$_2$ INJECTION EXPERIENCE AND REGULATORY OVERSIGHT IS ACCOMPLISHED AT STATE LEVEL TODAY
- THE ABOVE ARE INDUSTRY FRIENDLY, RESOURCE BASED, AND WHAT CAN BE REFERRED TO AS ‘BOTTOMS-UP’ or STATE BASED

- A ‘TOP DOWN’ – COMMAND AND CONTROL SYSTEM, DRIVEN BY NATIONAL SPECIFICATIONS IS THE ALTERNATIVE.
- THIS WOULD USE THE FRAMEWORK OF ENVIRONMENTAL LAW, MUCH LIKE THE NUCLEAR WASTE PROGRAM
  - BUT WILL NECESSARILY RELY ON STATES TO IMPLEMENT RULES BASED UPON (STATE) CONSTITUTIONALLY DERIVED LAW PRINCIPLES e.g. Mineral vs. Storage Rights
A HYPOTHETICAL? DILEMMA (1)

- YOU WISH TO PERMIT A NEW POWER PLANT TO ACCOMMODATE GROWING ELECTRICITY DEMAND
- YOU WITNESS (OR EXPERIENCE) AN INABILITY TO PERMIT A NEW COAL PLANT w/o CAPTURE OF CO$_2$
- YOU DON’T WANT TO BET ALL YOUR MARBLES ON NATURAL GAS AVAILABILITY AND PRICE

SO WHAT ARE YOU TO DO?
A HYPOTHETICAL? DILEMMA (2)

- IF YOU LIVE IN AN AREA WITH EOR OPPORTUNITY, YOU MIGHT CONSIDER CAPTURE OF CO$_2$ AND DELIVERY TO EOR PROJECTS, but

- IF NOT (OR IF YOU THINK YOU MIGHT NEED BOTH EOR AND DSF), THERE IS NO ASSURANCE TODAY THAT CCS WILL BE A PERMITABLE OFFSET TO AVOIDED EMISSIONS (SO IT’S A CLASSIC ‘CATCH-22,’ TOO RISKY TO IMPLEMENT SINCE YOU ARE FORCED TO WAIT ON A LEGAL & REGULATORY FRAMEWORK TO EVOLVE)

- AND TO MAKE MATTERS EVEN WORSE, THERE IS NO ASSURANCE THAT EVEN CO$_2$ EOR WILL BE A PERMITABLE OFFSET!

STILL YOU DON’T KNOW WHAT TO DO

........SO HERE WE SIT
RECAP (1)

- The Interest In Carbon Capture And Storage Comes From Climate Concerns And The Growing Pressures To ‘Retool’ The Energy Industry
- It Is But One Of The Alternatives For GhG Reductions... But An Important One
- A Very Large Number Of Alternative Energies Require CCS
- There Is a Very Large And Successful Experience Base (Primarily From The Oil and Gas Industry) By Which To Do CCS
- Gov’t / Industry Projects Are Just Now Beginning to Be Planned to Examine CCS
RECAP (2)

- A Large Number of Commercial Projects Are Being Proposed and Announced but Facing Financial Hurdles and Policy Risks
- Many Policy Initiatives Are Underway (IOGCC, Various State Proposals) Offering Industry Some Help
- Federal Incentives Are Being Considered in the Senate
- U.S. Industry Is Trying to Retool but Caught in a ‘Catch 22’ with no Alternative but to Move Very Slowly Due to Risks and Expenses of Retooling.
- Threats of a Federal Command and Control CCS Regime, Possibly Proving Analogous to Nuclear Waste Program, Could Compound Risks Further
SUPPLEMENTAL SLIDES FOR REFERENCE PURPOSES
This blog is a service of Alston & Bird's Climate Change and Carbon Management team and focuses on rapidly emerging issues associated with greenhouse gas emissions. Our lawyers are experienced with a wide range of domestic and international business, regulatory and litigation issues in this arena.

Department of Energy Proceeds with Carbon Sequestration Demos

October 9, 2007 2:54 PM | Posted by Patrick Greissing | Topic(s): Federal Policy/Programs, Carbon Capture & Storage/Sequestration

The Department of Energy announced today that they will provide $200 million for three large scale carbon sequestration demos. At the same time they stated the road to widespread deployment and commercialization faces many challenges. The funding will be divided among three projects:

1. The Plains CO2 Reduction Partnership. This project will take place in North Dakota and Alberta. The North Dakota project will combine enhanced oil recovery with underground carbon storage. In Alberta, the reuse-sequestration of carbon and hydrogen sulfide from a gas processing plant will be used.

2. The Southeast Regional Carbon Sequestration Partnership. This project will demonstrate carbon storage in a multi-state geologic formation called the Upper Tuscaloosa Formation Massive Sand Unit. The plan is to inject the carbon at two different sites in the formation. The first injection will occur next year using carbon dioxide from a natural formation and the second injection will occur at a later date using carbon from a coal-fired plant.

3. The Southwest Regional Partnership for Carbon Sequestration. This project will inject several million tons of carbon dioxide into the Entrada Sandstone that runs from Colorado to Wyoming, which will test the ability of the cap rock to trap the gas and will help DOE determine future plant sites.

Regarding the possibility of commercialization, Deputy Secretary Clay Sell said, "Significant technological development has to occur, significant planning for infrastructure has to occur, significant development of a regulatory and legal framework has to occur before we can effectively require or implement programs for coal-based carbon capture and sequestration."

Blue Source LLC Announces Successful Capture of Vent Stack CO2

October 9, 2007 12:56 PM | Posted by Patrick Greissing | Topic(s): Business Initiatives, Carbon Capture & Storage/Sequestration

Blue Source, LLC, announced on October 8th the successful capture of vent stack CO2 flowing from a natural
• Department of Energy Proceeds with Carbon Sequestration Demos - Oct 9, 2007 2:54 PM
• Blue Source LLC Announces Successful Capture of Vent Stack CO₂ - Oct 9, 2007 12:56 PM
• California Hopes to Influence Federal Climate Change Policy - Oct 9, 2007 10:27 AM
• Auto Industry Appeals Vermont District Court Decision Authoring State Regulation of CO₂ Tailpipe Emissions - Oct 8, 2007 10:34 AM
• CO₂ Pipeline Study Bill Introduced - Oct 8, 2007 10:24 AM
• North Dakota/Minnesota Dispute Over Imported Power Carbon Tax Heats Up - Oct 5, 2007 2:19 PM
• Senate Finance Committee Ties Extension of CTL Credit to CCS Requirement - Oct 5, 2007 9:22 AM
• Senator Bond Calls for Liability Protection for CCS – Oct 5, 2007 9:08 AM
• Another IGCC Hits the Shoals of CCS - Oct 4, 2007 9:05 AM
• Heavy Oil CO₂-EOR Deal Struck in Alberta - Oct 3, 2007 12:16 PM
• CCS Technology Deal Struck With Saskatchewan-based HTC Pure Energy - Oct 3, 2007 12:08 PM
• Farming for Carbon - Oct 3, 2007 11:14 AM
• British Columbia Calls for Full Sequestration - Oct 3, 2007 11:04 AM
• Sierra Club’s EAB Petition Regarding Bonanza PSD Permit Alleges CCS is a Regulatory Alternative - Oct 3, 2007 10:07 AM
• Rentech’s Natchez’s Facility Takes Another Step Forward - Oct 3, 2007 9:36 AM
• Ahoy, Mates, Thar’ She Blows -- CO₂, That Is, According to the California Attorney General - Oct 3, 2007 9:15 AM
• Japan Joins the London Protocol - Oct 3, 2007 9:10 AM
• ICAO To Veto Inclusion of Airlines in EU-ETS - Sept 28, 2007 2:53 PM
• U.S. Proposes Goals to Reduce GHG Emissions - Sept 28, 2007 2:45 PM
• IOGCC Releases Model CCS Rules - Sept 26, 2007 10:47 AM
• Major World Emitters Agree to Landmark Global GHG Deal -- But Not Under Kyoto - Sept 25, 2007 8:13 AM
• California Energy Commission Hosting Oct 1 Workshop - Sept 25, 2007 8:10 AM
• Nevada Environmental Commission Commits to CCS - Sept 21, 2007 9:47 AM
• "The Commercial Deployment of Carbon Capture and Storage Technology" - Sept 21, 2007 9:41 AM
• Waxman Letter Challenges EPA's Decision to Grant Permit for Coal-Fired Generation Without CO2 Controls - Sept 20, 2007 12:16 PM
• Big Stone II Loses Two Commitments - Sept 20, 2007 12:01 PM
• Australian CCS Project Seeking Government Assistance - Sept 19, 2007 10:06 AM
• Endangered Species Act Consultation Requirements Poised to Become Next Hammer for GHG-Emitting Projects - Sept 19, 2007 9:55 AM
• California Judge Tosses GHG Nuisance Suite - Sept 18, 2007 10:02 AM
• Kyoto Protocol Approves Coal-Based Methodology - Sept 17, 2007 8:44 AM
• Vermont Judge Rules on GHG Emissions for Automakers - Sept 12, 2007 9:45 AM
• First-Ever Refinery Offset Deal Reached - Sept 12, 2007 8:50 AM
• The Permian May Be Moving to Kansas - Sept 11, 2007 10:18 AM
• Wallula Energy Resource Center to Test Carbon Injection into Basalt - Sept 11, 2007 10:14 AM
• California ARB Proposal and Trucking Industry - Sept 11, 2007 8:49 AM
• Alston & Bird Goes "Bazaar" - Sept 7, 2007 10:29 AM
• Carbon Tax in 2012? - Sept 7, 2007 9:12 AM
• Renewables Trend Continues to Grow - Sept 7, 2007 8:31 AM
• BNA Audioconference -- The Climate Change Implications of Carbon Capture and Storage - Sept 6, 2007 4:50 PM
• SaskPower Decides Against CCS as Power Supply Strategy - Sept 6, 2007 2:36 PM
• House Select Committee: The Future of Coal under Carbon Cap and Trade - Sept 6, 2007 2:32 PM
• Bush Supports APEC Climate Change Pact - Sept 6, 2007 2:04 PM
• Private Economic Analysis of Carbon Prices Released - Sept 6, 2007 8:30 AM
• The Cutting Edge of Agricultural Law - Sept 5, 2007 3:18 PM
• Blue Source, LLC Announces CCS Deal - Sept 5, 2007 2:06 PM
• CCS A Focus on Sept 5, 2007 House Committee on Science & Technology Hearing on CTL - Sept 5, 2007 2:04 PM
• EU Airlines To Be Part Of EU-ETS In 2011 - Sept 5, 2007 10:30 AM
DeHihns Heads SEER - Aug 29, 2007 11:50 AM
Kentucky Governor Expected To Sign New Law Favorable To Developers - Aug 28, 2007 3:02 PM
Western Climate Initiative Announces GHG Reduction Goals - Aug 23, 2007 12:45 PM
Carbon Capture and Storage Conference - Austin, Texas - Aug 23, 2007 9:14 AM
Maine and Massachusetts Propose RGGI Rules - Aug 16, 2007 9:35 AM
Finding The Balance: Energy And Climate Change Summit - Aug 15, 2007 9:30 AM
Oregon Establishes GHG Reduction Goals - Aug 9, 2007 9:46 AM
AB32 Advisory Committee Gives Nod To CCS - Aug 2, 2007 2:59 PM
CCS-Related Litigation Begins to Appear in Federal Courts - Aug 2, 2007 9:51 AM
SaskPower to Decide on Investment in Oxyfuel Technology - Jul 27, 2007 9:55 AM
New Jersey and Florida Adopt GHG Emission Restrictions - Jul 19, 2007 10:00 AM
EPA Region 8 Comments on West Elk Mine's Proposed CMM Project - Jul 16, 2007 3:04 PM
• Florida Executive Orders require Reduction in GHG Emissions - Jul 13, 2007 3:07 PM
• New Mexico Releases Interim Report On CO2 Sequestration Rules - Jul 10, 2007 3:12 PM
• New Jersey Global Warning Reponse Act - Jul 8, 2007 3:15 PM
• Northwest Company Proposes Sequestration Project - Jul 6, 2007 3:18 PM
• China Leads in CO2 Emissions - Jun 21, 2007 6:20 PM.
• Maine Governor Signs RGGI-Model Statute - Jun 21, 2007 6:17 PM
• HB 3732 Signed By Texas Governor - Jun 20, 2007 6:24 PM
• RFP Issued By Basin Electric For CO2 Demonstration Project - Jun 20, 2007 6:21 PM
• Illinois EPA Issues Permit For $2B IGCC In Taylorville - Jun 15, 2007 6:34 PM
• Western Governors Association Enacts Pro-CCS Resolution - Jun 15, 2007 6:29 PM
• CTL Developer Rentech Moving Forward On Natchez Project - Jun 15, 2007 6:27 PM
• Mass. V. EPA Decision Sparks State Court Litigation - Jun 14, 2007 6:40 PM
• Australia's Moomba Carbon Storage Project - Jun 14, 2007 6:39 PM
• Texas Capture-Ready IGCC Facility Plan Abandoned - Jun 14, 2007 6:37 PM
• Senate Debate And Floor Amendments - Jun 13, 2007 6:49 PM
• DOE Releases Risk Assessment For FutureGen Project - Jun 8, 2007 6:54 PM
• Section 48A Credits - Jun 8, 2007 5:51 PM
• Litigation Heats Up With Massachusetts v. EPA - Jun 1, 2007 7:09 PM

Links
• International Initiatives
• Federal Legislation Summary
• State And Regional Developments
• Coddington Testifies Before Senate Committee On Energy And Natural Resources