

Eastern Coal Council

"Promoting Coal through Education & Public Awareness"

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FOR IMMEDIATE RELEASE

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The Southeast Regional Carbon Sequestration Partnership (SECARB) Coal Seam Group Activities & Business Opportunities in Today's Carbon and Energy Environment

"The Case for Carbon Sequestration" will be presented by the Southeast Regional Carbon Sequestration Partnership (SECARB) in the Clean Coal Technologies Session at the Eastern Coal Council's 29th Annual Conference & Exposition on May 19-20, 2008, in Kingsport, Tennessee. The group will discuss carbon sequestration research goals, objectives and opportunities for business in today's carbon and energy environment.

SECARB, led by Southern States Energy Board of Norcross, GA, represents 11 southeastern states (Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Texas, and Virginia). SECARB is one of seven partnerships created by the U.S. DOE to help determine the best approaches for capturing and storing carbon dioxide (CO₂), thought to contribute to global climate change. SECARB is addressing point source CO₂ emissions in the southeastern United States by geographically linking sources with potential sequestration sinks. SECARB will accomplish its objectives by defining similarities in the 11 state region; characterizing the region relative to sources, sinks, transport, sequestration options, and existing and future infrastructure requirements; identifying and addressing issues for technology deployment; developing public involvement and education mechanisms; identifying the most promising capture, sequestration, and transport options; and developing action plans for implementation and technology validation.

The SECARB Partnership in defining the potential for storing CO₂ in four field sequestration validation tests in three locations. The field validation tests are: 1) a Stacked Storage Project in the Gulf Coast Region that builds upon the Texas Bureau of Economic Geology's experience on the Frio Basin CO₂ Project; 2) a Coal Seam Project for the validation of sequestration opportunities in the Central Appalachian Basin and the Black Warrior Basin; and 3) a Saline Aquifer Project that is focused upon

validating geologic storage in close proximity to a large coal-fired power plant in the Electric Power Research Institute's Test Center program.

SECARB's Coal Seam Group is currently researching the carbon sequestration potential and corresponding enhanced coalbed methane recovery of unmineable coal seams in the Central Appalachian and Black Warrior Basins. The coal seam research team incorporates individuals from the Virginia Center for Coal and Energy Research (Virginia Tech), Marshall Miller and Associates, the Geological Survey of Alabama, Advanced Resources International, the Kentucky Geological Survey, the University of Alabama, Southern Company and the Eastern Coal Council. The VCCER is leading the team in conducting a field validation test in both the Central Appalachian and Black Warrior Basins where coal seams will be tested for both carbon storage and enhanced coalbed methane recovery.

The moderator/presenter will be Dr. Robert Wright, Legislative Fellow, Senator Voinovich. Other presenters are:

- Dr. Gerald Hill, Southern States Energy Board
- Nino Ripepi, Virginia Center for Coal and Energy Research, Virginia Tech
- Mike Miller, Marshall Miller & Associates

The business opportunities session moderator and presenters are:

- DeAnn Craig , CNX Gas
- Diana Tickner, Peabody Energy

Dr. Robert Wright has more than forty years of experience in energy technologies and electrical power generation, both fossil fuels and nuclear. That experience includes five years in education, eight years in industry and thirty-two years in government. He's held positions as an engineer, advisor, consultant and manager. He's published over 20 technical articles. Dr. Wright is currently serving as a Legislative Fellow in the office Senator George Voinovich where he advises and counsels on climate change and energy issues to the sub-committee on Clean Air and Nuclear Safety of the Senate Environment and Public Works Committee. Prior to that he served for one year as a Congressional Fellow with U.S. Congressman Dennis Rehberg of Montana in the 109th Congress where he advised on energy issues, particularly regarding coal. He holds the position of Senior Program Manager in the Office of Sequestration, Hydrogen and Clean Coal Fuels in the U. S. Department of Energy in Washington, DC. In this position he advises DOE senior management with regard to programs and policies that address global climate change, hydrogen production and end use, and carbon capture and storage. He represents the Office of Fossil Energy and the Department in these same areas in the international arena of bi-laterals, dialogues, forums and partnerships.

Dr. Jerry Hill holds degrees in civil and environmental engineering and has 30 years experience in siting and permitting energy facilities, including coal-fired power plants for investor owned utilities; cogeneration facilities for industrial applications; and natural gas combined cycle merchant plants.

His experience covers conventional and emerging technologies. Dr. Hill has been a technical advisor to the Southern States Energy Board for the past decade and serves as senior technical advisor to the Southeast Regional Carbon Sequestration Partnership (SECARB).

Dr. DeAnn Craig was named Senior Vice President – Asset Assessment of CNX Gas Corporation in July of 2007. In this capacity, Dr. Craig will play a key role in helping CNX Gas determine how to best deploy capital to more quickly and efficiently monetize its asset base. Prior to joining CNX Gas, she was most recently employed by Chevron North America Exploration and Production (Chevron). Dr. Craig is also a prior president of the Society of Petroleum Engineers. Dr. Craig began her career at Phillips Petroleum as a petroleum engineer, where she rose to the position of Manager, Worldwide Drilling and Production. Later, she became president of Phillips' Canadian exploration and development operations. This was followed by a tour in Washington, D. C., where she was a government affairs representative for Phillips, while also serving as president of the Society of Petroleum Engineers. Dr. Craig earned her Ph.D., two master's degrees, and two B. S. degrees from the Colorado School of Mines, where she is also a member of the Board of Trustees. Dr. Craig holds an MBA from Regis University in Denver and is also a registered professional engineer in Colorado.

The world is short of energy, and coal's affordability, abundance and security of supply make it the only fuel that can close the gap between rising needs and scarce and expensive alternatives. As Vice President of Generation Development at Peabody Energy, Dianna Tickner is responsible for advancing the next generation of ultra clean coal-fueled electricity generating plants and Btu Conversion projects.

A member of Peabody's management team since 1996, Dianna currently oversees projects worth more than \$4 billion at the world's largest private-sector coal company. She recently helped lead the development of the Prairie State Energy Campus in Southern Illinois. A model for clean electricity, Prairie State will have a superior environmental profile, including carbon dioxide emission rates that are 15 percent lower than conventional plants. Dianna also continues to play a central role in the development of venture capital and equity partnerships to transform coal into aircraft and diesel fuel and pipeline-quality natural gas. For example, Dianna was key in Peabody's recent partnership with ConocoPhillips to develop one of the nation's largest carbon-capture-ready coal-to-gas projects in Western Kentucky. Before assuming her current role, she served as President of Peabody COALTRADE.

Prior to joining Peabody, Dianna held a variety of mining engineering positions of increasing responsibility in Arkansas, Colorado and Texas. She also served as Vice President of Contract Management and Planning for Montana Power Co.

Dianna holds an MBA from the University of Montana and a bachelor's degree in Mining Engineering from the University of Missouri-Rolla (recently renamed the Missouri University of Science and Technology Engineering). She is a registered professional engineer and a member of the Society for Mining, Metallurgy and Exploration.

Nino Ripepi is a Virginia Tech graduate with a degree in Mining Engineering. His research interests are in the areas of Energy Economics and Modeling, Environmental Impacts of Mining and Coalbed Methane Production and Stimulation. He is currently conducting research related to enhancing coalbed methane production using carbon dioxide sequestration. He is a Ph.D. Candidate in Mining Engineering at Virginia Tech and his dissertation titled "Analysis of Using Carbon Sequestration for Enhanced Coalbed Methane Recovery in the Central Appalachian Basin" accompanies his research efforts.

Michael J. Miller, a registered professional engineer in TN, is Vice President, Oil and Gas Division, Marshall Miller & Associates, Kingsport, TN. Mike has a Master of Science Degree in Petroleum and a Bachelor of Science in Physics. Mike has worked has closely providing due diligence reviews for acquisitions and investments in coalbed methane, coal mine methane, organic shale, and conventional oil and gas properties in the United States, Eastern Europe, and China.

Limited exhibit space is available. The cost for exhibit space is only \$500.00. One person attends all meeting functions and special activities planned for attendees. Call TODAY to insure the opportunity of showcasing your company or organization.

For additional information or to register contact the EASTERN COAL COUNCIL, P. O. Box 858, Richlands, VA 24641-0858. PHONE: 276/964-6363 or 964-9088, FAX: 276/964-6342, or E-Mail: ECC@Netscope.Net. Check the Eastern Coal Council's website www.easterncoalcouncil.org for quality print photographs, additional information and updates " www.easterncoalcouncil.org "

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