NCC 2016 ANNUAL FALL MEETING
SET FOR OCTOBER 4-5 MILWAUKEE

Please plan to join us on October 4-5 in Milwaukee, Wisconsin for the National Coal Council’s 2016 Annual Fall Meeting. The theme for this year’s program is “Value-Added Opportunities for Coal.” Presentations will feature projects and technologies that represent future growth markets for coal and coal by-products.

In addition to the half-day program, we’ll be hosting an optional tour of We Energies’ Oak Creek Expansion Units 1 & 2, among the cleanest and most efficient coal-fueled power plants in the U.S. Located on the shores of Lake Michigan, the combined supercritical units have a net generating capacity of 1,230 MW.

https://www.we-energies.com/home/OCXP_FS_C.pdf

The preliminary schedule for the NCC meeting:
Oct. 4 – Welcoming Reception – 6-8 pm
Oct. 5 – Full Council Meeting – 8:15 am-12:15 pm
Oct. 5 – Grab’n’Go Box Lunch – 12:15 pm
Oct. 5 – Oak Creek Plant Tour – 12:30-4 pm

The event will be hosted at the Hilton City Center in downtown Milwaukee, a Historic Hotels of America property built in 1927 in the Art Deco style.

Hilton Milwaukee City Center

THANK YOU CH2M & SOAP CREEK ENERGY for your sponsorship support!
The following sponsorship opportunities are available:
Event Sponsor - $4016
Reception Sponsor - $2016
Hotel Keycard Sponsor - $1016
Grab’n’Go Lunch Sponsor - $716
Breakfast & Break Sponsor - $516

REGISTER & SPONSOR TODAY
Visit the NCC website at http://www.nationalcoalcouncil.org/page-NCC-Events.html for hotel, meeting and sponsorship registration information or contact NCC Membership & Meetings Director, Hiranthie Stanford at 202-756-4524 or hstanford@NCC1.org.
Keeping our NCC community informed of news from our members.
NCC members are invited to submit news items regarding their companies and organizations to Janet Gellici at info@NCC1.org.

Fred Palmer, Total Spectrum
Webcast on Campaign 2016 & 21st Century Coal
ACC Webcast Details
Fred Palmer, Partner at Total Spectrum will present a webcast for the American Coal Council on “Campaign 2016 and 21st Century Coal – Policy Parity, Jobs & Energy Abundance.” The webcast will be hosted on July 12, 2-3 pm Eastern.

John Siegel, Bowie Resource Partners
ClearStack Power Partnership Appointment
http://www.clearstack.com/
John Siegel, Executive Chairman of Bowie Resource Partners and Tom Hewson, CEO of ClearStack announced the appointment of Tim Curran, formerly with ALSTOM Power, to head up the ClearStack Naughton Retrofit Project. Bowie is a partner with ClearStack which is developing innovative, clean coal pre-combustion technology.

NCC ASSOCIATES NEWS ITEMS
Fred Palmer & Michael Garvin
Coal Forums Planned
Fred Palmer, Total Spectrum and Michael Garvin, University of Iowa have teamed up to organize a series of forums on 21st Century Coal throughout the U.S. in the coming months. The events will address emerging technologies and how they are providing coal producers viable options for sustainable future markets. Info on technology development stemming from the best coal research centers in the country will be featured. New financing models originating on Wall Street to support coal will be discussed. If you are interested in sponsoring or providing a host location please contact Garvin at 515-321-7000 or michael@renais.org.

Todd Cunningham
Freelance Editing, Writing & Publishing Services
tcunningham03@comcast.net – 703-567-8122
NCC would like to thank Todd Cunningham for his years of service writing the “Coal Currents” section of our newsletter, which is being discontinued beginning with this issue of the publication. Todd has extensive utility industry experience through his previous work at NRECA and EEI. He is well versed in providing coverage of coal/energy and environmental issues and specializes in writing white papers, case studies and special reports. Please contact Todd directly if you are interested in securing his services. Thank you, again, Todd for your service for the NCC. Todd Cunningham LinkedIn

NRG COSIA Carbon XPRIZE
Deadline July 15, 2016
Applications are due July 15th for teams interested in competing for the $20 million prize to develop breakthrough technologies that will convert CO2 to valuable products. http://carbon.xprize.org/

COAL RESOURCES
U.S. Department of Energy
www.doe.gov
Office of Fossil Energy
National Energy Technology Laboratory
www.netl.doe.gov
Coal & Power Systems
EIA Coal Data Browser
www.eia.gov/coal/data/browser

COAL RESOURCES
Greener Grid Invites More Cyber Attacks
Washington Examiner
June 2016
“Unburnable Carbon” Burnable with CCS
Imperial College of London May 2016
Stanford Will NOT Divest from Fossil Fuel
Statement of Stanford Board of Trustees
Cutting Methane Emissions May Be More Expensive Than We Thought
Morning Consult June 2016
Feds, California scramble to head off blackouts
Washington Examiner
June 2016
Mission Innovation Ministerial Supports Clean Energy Research
Mission Innovation Partners June 2016
Rare Earth Elements Extracted from Coal Ash
ASM International Duke University Report
Icelandic Scientists Turn Captured CO2 into Stone
The Guardian June 2016
Midwest Power Supply Could Fall Short After 2017
MISO Survey in Wisconsin State Journal June 2016

National Coal Council
NationalCoalCouncil.org
John J Siegel, Jr, Executive Chairman, Bowie Resource Partners, LLC ("BRP"), has more than 30 years of experience as a founder and operator of coal mining and marketing companies. John is the majority owner of BRP.

John holds a Bachelor of Science degree from St. Joseph’s College in Rensselaer, Indiana. He attended Law School at the University of Louisville – Louis D. Brandies School of Law while working as a stock broker with Bache & Company until 1978 when he embarked upon a long career in the coal industry. John founded Green Bay Fuels in 1980, along with NFL Hall of Famer Paul Hornung. He sold Green Bay Fuels in 1985, which was the springboard for his expanding role in the coal industry.

In 1998, John Siegel bought Jader Fuels, a large Illinois surface operation which he sold to AEI in 2001. In 2009, John set his sights on the Western Bituminous region of the US coal industry, purchasing Bowie Resources, in Colorado. He parlayed that single mine, which produced 5 million tons per year, into a $435 million acquisition of the Canyon Fuels Utah mining complexes from Arch Coal in 2013, creating a 13 million ton per year company with 1,200 employees.

Earlier this year, John announced the $358 million acquisition from Peabody Energy, Inc. of the TwentyMile and El Segundo mining complexes in Colorado and New Mexico, which transaction has been stalled by the Peabody Chapter 11 bankruptcy. BRP, however, continues to pursue these and other synergistic acquisitions.

BRP is the only producer with US West Coast export capacity having exported in excess of 10 million tons since 2013 through the Ports of Stockton and Richmond, CA.

Bowie Resource Partners produces high-quality, cleaner-burning coal that is sold to markets throughout the world.

The company has a diverse portfolio of four mining operations in Utah and Colorado that produce an aggregate of 13 million tons of high-BTU, low-sulfur bituminous coal. Bowie’s mines include some of the most productive and longest, continuously-operating mines in the United States, including three longwall mining operations – Bowie Mine, Skyline Mine and Sufco Mine – and one room-and-pillar operation – Dugout Canyon Mine.

Bowie Resources has won the National Mining Association’s Sentinels of Safety Award for its operations in 2005, 2010, 2011, 2012 and 2014. The company has earned additional safety awards from the Colorado Mining Association, the Utah Mining Association and Rocky Mountain Coal Mining Institute.

Two corporate affiliates – Bowie Refined Coal LLC and ClearStack Power LLC – offer environmental control technologies and services.

John Siegel
Bowie Resource Partners, LCC
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NCC ACTIVITIES & NEWS

NCC CO2 Utilization White Paper Progressing

Initial chapter drafts are due in mid-July for the white paper requested by Secretary Moniz assessing opportunities to advance commercial markets for CO2 from coal-based power generation. Contributions from NCC members and associates will be consolidated into a draft document which will be reviewed by the NCC’s Coal Policy Committee (CPC) in early August. Following CPC review, a final document will be prepared and presented to the full membership of the NCC. An NCC FACA meeting is being scheduled for late August to secure the vote of NCC members on the CO2 Utilization report. Details on the CPC meeting and Full Council FACA meeting will be emailed to NCC members in the coming weeks.

Thank you to the following individuals for their participation in the NCC white paper:
CPC Chair & Vice Chair – Deck Slone & Bill Brownell
Report Chair – Kipp Coddington
Chapter Leads – Bob Hilton & Sarah Wade & Kipp Coddington & Janet Gellici

If you have questions about the report, please contact Janet Gellici at jgellici@NCC1.org or 202-756-4524.

NCC FILES QER COMMENTS

NCC filed comments for consideration in the second installment of the Quadrennial Energy Review – QER 1.2. The comments reflect recommendations culled from recent NCC reports focused on the need for policy parity for CCS/HELE technologies to meet our environmental objectives, the need for a diverse energy portfolio and the need for technology innovation.

Thanks are due to members of the NCC’s Chair’s Advisory Council for their review and editing of the comments prior to submission.

NCC’s QER comments may be accessed on the NCC website: http://www.nationalcoalcouncil.org/studies/2016/NCC-QER_1_2-Comments-FINAL.pdf

CHAIR’S ADVISORY COUNCIL MEMBERS

CAC members work with NCC leadership to guide the strategic direction of the Council and also serve as members of the NCC Executive Advisory Board, convened at the request of Secretary Moniz to provide with more impactful, more timely and more responsive advice.

For information on joining the CAC, please contact Janet Gellici jgellici@NCC1.org
USEA ADVANCING NCC POLICY PARITY MESSAGE

In mid-June, NCC CEO Janet Gellici attended a Carbon Capture, Utilization & Storage Conference in Virginia. Barry K. Worthington, Executive Director of the U.S. Energy Association (USEA) delivered a keynote session presentation on CCUS Policy Parity, referencing the NCC’s recent Policy Parity report and championing the financial incentives and policy measure recommendations noted in the report. Among the mechanisms Worthington cited for advancing policy parity were price stabilization, contracts for differences, feed-in tariffs, grants, private activity bonds, tax deferred bonds, portfolio standards and loan guarantees, details of which are noted in the NCC’s “Leveling the Playing Field: Policy Parity for CCS Technologies.”

Worthington concluded his presentation noting that USEA intends to carry the policy parity message forward in various international forums, including the upcoming Carbon Sequestration Leadership Forum (CSLF) in London and the World Energy Council (WEC) meeting in Istanbul, among others.

FORMER DOE ASSISTANT SECRETARY CITES NCC POLICY PARITY REPORT

Also presenting a keynote address at the CCUS Conference was Julio Friedmann, former Assistant Secretary of DOE’s Office of Fossil Energy, now with the Lawrence Livermore National Laboratory, who addressed CCUS in the Context of Global Markets & the Paris Climate Agreement. Friedmann noted that the COP21 Paris Agreement’s increasing carbon constraint outcomes suggest greater grounds for CCUS policy parity. He noted that CCUS for natural gas is now a priority, there’s more interest in negative emissions pathways such as BECCS (biomass energy with CCS) and DAC CCS (direct air capture), and a greater need for industrial CCS.

Friedmann referenced the work of the NCC on the issue of policy parity for CCS, along with other organizations supporting this message, including UNFCC, IEA, WEC, World Coal Association, Western Governors Association, Southern States Energy Board, Clean Air Task Force, Environmental Defense Fund and the Great Plains Institute among others.

Friedmann also commented on the need to advance a modular approach to CCUS technology deployment, including the development of CO₂ “micromarkets” for utilizing carbon dioxide in chemical, mineralization, carbonation and other applications. The NCC’s forthcoming report for Secretary Moniz focused on CO₂ utilization will contribute to this conversation.
ClearPath is advocating for a constructive approach toward managing our nation’s energy and environmental needs, an approach that works with industry to develop cleaner technologies. This includes the advancement of clean fossil fuel technologies, such as carbon capture, that can divert power plant emissions into the ground or to be reused for other useful purposes.

www.clearpath.org

At ClearPath we believe in America’s entrepreneurial spirit. One that builds new technologies, not just for America, but for the whole world. We need a real debate that leads to real solutions. We need fewer top down government policies and more focus on working with free markets rather than against them.

OUR MISSION IS TO ACCELERATE CONSERVATIVE CLEAN ENERGY SOLUTIONS

Clean coal and gas is among the pillars advocated by ClearPath.

HOW TO EXPAND CARBON CAPTURE

1. **Update the 45Q tax credit**
   Carbon capture is a technology that could divert a fossil plant's pollution from the atmosphere into the ground. When pumped into an oil field, the captured pollution can simultaneously increase oil production and reduce emissions. Despite the benefits, federal support for carbon capture has waned and one of the last significant carbon capture incentives called the 45Q tax credit needs to be updated.

2. **Accelerate fossil R&D**
   Scientists can turn solid coal into an energy-rich gas. This coal “syngas” can then be used in more efficient systems and cutting-edge carbon capture applications. More research would accelerate syngas and other clean fossil developments.

3. **Streamline carbon capture permitting**
   FutureGen 2.0, the government’s flagship carbon capture project, was largely derailed by a lengthy Environmental Protection Agency permit process. The process should be streamlined to reduce the regulatory burden on future project developers.

4. **Create master limited partnership parity**
   Many other types of energy projects receive preferential tax treatment called a master limited partnership. This incentive should apply to carbon capture projects to better level the playing field and encourage more market-driven energy development.

*A regularly featured column on industry, university and government initiatives in support of clean coal technology development & commercialization.*