NCC 2017 SPRING MEETING

MARCH 14-15
OLD TOWN ALEXANDRIA, VA

The 2017 Annual Spring Meeting of the National Coal Council will be hosted March 14-15 at the Sheraton Suites Old Town in historic Alexandria, Virginia on the banks of the Potomac River.

We are pleased to confirm the following presenters:

Andy Roberts, Research Dir., Global Thermal Markets, Wood Mackenzie
“Opportunities for Coal in the Trump Administration”

Jeff Keffer, CEO/Steve Nelson, COO, Longview Power LLC

Chip Bottone, President & CEO, FuelCell Energy

David Denton, Sr. Director Business Development Energy, RTI International
“Advanced Technologies for CO2 Capture & Utilization: Power & Industrial Applications”

REGISTRATION IS NOW OPEN!
Meeting registration forms & hotel reservation details are at:
http://www.nationalcoalcouncil.org/page-NCC-Events.html

Please Consider Sponsoring 2017 Spring Meeting
The 2017 Spring Annual Meeting will provide us with an opportunity to welcome new appointees to the U.S. Department of Energy and to acquaint them with our members and the activities/objectives of the NCC. We’ve already extended an invitation for new DOE appointees to join us and address the Council.

We’d like to host a GREAT event ~ you can help. Please consider joining our current sponsors ~ DOMINION ENERGY, HEADWATERS & ADA-ES ~ for the NCC Spring 2017 meeting. We welcome sponsorship support from $500-$5,000 and we'll work with you to design something that provides the greatest visibility and benefit for your company. For information contact NCC Meetings Director Hiranthie Stanford at hstanford@NCC1.org.

Thank you Spring 2017 Program Development Committee members: David Denton (RTI International), Ellen Ewart (Wood Mackenzie), Jerry Oliver (Global Tech Management) and Connie Senior (ADA-ES).
NCC Community News

NCC members are invited to submit news items regarding their companies and organizations to Janet Gellicci at info@NCC1.org.

Bill Brownell, Hunton & Williams

H&W Launches New Blog – The Nickel Report


The folks at Hunton & Williams recently launched a new blog devoted to the discussion of energy and environmental law trends and developments. The January 5th, 2017 posting, authored by Bill Brownell, NCC Coal Policy Committee Vice Chair, addresses the nuances of interpretations of Executive Branch rules, including New Source Review.

Kemal Williamson, Peabody Energy

2016 Peabody Energy Clean Coal Awards

In December, Peabody Energy recognized U.S. coal power plants for top environmental performance, including lowest SO2 and NOx, and best efficiency (heat rate), as well as industry pioneers advancing large-scale CCUS projects. Award winners included the following NCC member companies ~ congratulations to all the winners and kudos to Peabody for launching this awards program:

Dynegy ~ Coffeen Plant
American Electric Power ~ SWECO’s John W. Turk Jr. Plant
Southern Company ~ Mississippi Power’s Kemper County


Mike Jones, Lignite Energy Council

Cornerstone Article on North Dakota Lignite

Mike Jones, NCC 2016 Executive Committee Member, authored an article on “Enhancing, Preserving and Protecting North Dakota’s Lignite Industry” for the Autumn 2016 issue of Cornerstone Magazine.

Congratulations to Mike on his year-end 2016 retirement from the Lignite Energy Council!


Charlie Bullinger, Great River Energy

Cornerstone Article on Coal Beneficiation

NCC member Charlie Bullinger co-authored an article on “Effect of Coal Beneficiation on the Efficiency of Advanced PCC Power Plants” for the Autumn 2016 issue of Cornerstone Magazine.

http://www.nxtbook.com/nxtbooks/wiley/cornerstone_2016autumn/#/48

Jason Makansi, Pearl Street

Publishes New Book

Jason Makansi has published a new book – Painting by Numbers – that addresses “numerical illiteracy” in the general population and is geared for people with no background in math. The book’s subtitle is “How to sharpen your BS detector and smoke out the ‘experts’ – using examples drawn from polling data, medicine, climate modeling and more.”

https://www.amazon.com/Painting-Numbers-sharpen-detector-experts/dp/0998425907

COAL RESOURCES & NEWS

U.S. Department of Energy
www.energy.gov
Office of Fossil Energy
National Energy Technology Laboratory
www.netl.doe.gov
Coal & Power Systems

America’s First ‘Clean Coal’ Plant is Now Operational
Washington Post 1-10-17

Pershing Pitches Republican Argument for Climate Action
Exchange Monitor 12-8-16

Breakthrough Energy Launches $1 Billion Energy Investment Fund
Forbes 12-12-17

Manhattan Institute Offers Energy Policy Transition Tips

Coal Plant Retirements Will Continue
Brookings 12-19-16

Energy Bills Soar in Shift from Coal Power Stations
The Australian 1-4-17

Energy Commodity Prices Rose More Than Other Commodity Sectors in 2016
EIA 1-3-17

Coal Production Declines in 2016, With Average Coal Prices Below Their 2015 Level
EIA 1-9-17

Effluent Limitation Guidelines: What They Mean and Your Options
Power Engineering 12-22-16

National Coal Council
NationalCoalCouncil.org
NCC Member Focus

Danny Gray was appointed to serve on the National Coal Council in 2016 and has wasted no time becoming actively engaged in Council leadership. He is among the newest members of the NCC 2017 Executive Committee and a member of NCC 2017 Chair’s Leadership Council.

Danny’s technical expertise and energy policy knowledge are a formidable combination. Thank you for your service, Danny!

Danny Gray is Executive Vice President-Governmental & Environmental Affairs for Charah, Inc., where he is responsible for legislative affairs, regulatory and environmental agency policy interface, and program implementation. Danny has served executive roles in managing all facets of coal combustion residue disposal and beneficial use. His key focus has been on industry regulatory policy and compliance, business operations, product development, marketing and sales.

Danny has more than 35 years of experience in the electric utility and coal ash management industries, starting with American Electric Power (AEP). He has served in senior executive roles at three of the largest U.S.-based coal ash management companies and as President of a specialty engineering firm focused on coal ash disposal and material handling systems design.

Danny serves on the Southern States Energy Board (SSEB) on the Committee for Clean Coal Energy Policies & Technologies. He served as President of the Board of Directors of the American Coal Council (ACC) in 2014. Danny also serves on the Board of the American Coalition for Clean Coal Electricity (ACCCE).

Danny has testified before the Senate Environment & Public Works Committee and various state legislative committees on behalf of the coal ash management and beneficial use industry.

Danny graduated with honors from Virginia Tech with a Bachelor of Science in civil engineering, and is a registered professional engineer in multiple states. He is a native of Roanoke VA, and currently resides in Marietta GA.

DANNY L. GRAY, P.E.
EVP GOVERNMENTAL & ENVIRONMENTAL AFFAIRS
CHARAH, INC.

With more than 25 years of experience, Charah provides coal combustion product (CCP) management and power plant support services at approximately 50 locations in over 20 states. The company’s material handling capabilities, along with the technical expertise in the chemical and physical properties of CCPs, enhance its operations and complement its network of sales and marketing specialists who develop markets to utilize CCP products.

Charah handles more than 11 million tons per year of CCPs that include Pozatec, flue gas desulfurization (FGD) scrubber sludge, conditioned fly ash, bottom ash, coal gasification slag, and spec and non-spec gypsum. The company operates and maintains the latest in equipment and heavy machinery with a substantial fleet consisting of various sized dozers, excavators, dredges, loaders, backhoes, trucks, compactors, water trucks and other support equipment.

www.charah.com

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The NCC would like to thank the following members for their service on the 2016 Executive Committee. We value and appreciate your leadership!

**Dr. Michael Jones, Vice President R&D, Lignite Energy Council**

**David Lawson, Vice President Coal, Norfolk Southern Corp.**

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**Welcome!**

**NCC 2017 Executive Committee**

**Coal Consumers**
Shannon Banaga, Director Federal Affairs, TECO Energy
John Kennedy, VP & General Mgr. Plant Operations, Dynegy
Scott Teel, Vice President Fuel Services, Southern Company Operations
Greg Workman, Director Fuels, Dominion Resources

**Coal Producers**
Deck Slone, Sr. VP Strategy & Public Policy, Arch Coal
Kemal Williamson, President Americas, Peabody Energy

**Coal Transportation**
George Duggan, Vice President Coal Marketing, BNSF Railway
Todd Savage, EVP/Group Leader, Savage Companies

**Support Services**
Lisa J.N. Bradley, PhD DABT, VP & Senior Toxicologist, Haley & Aldrich
Bill Brownell, Chairman, Hunton & Williams
Ted Doheny, II, President & CEO, Joy Global
Sheila Glesmann, SVP Environmental & External Affairs, ADA Carbon Solutions
Danny Gray, EVP Governmental & Environmental Affairs, Charah Inc.

**Ex Officio (Former Chairs of NCC)**
Joseph W. Craft, III, President, Alliance Coal
Michael Durham, Founder, Soap Creek Energy
Joe Hopf, Talen Energy (retired)
Jeff Wallace, Southern Company (retired)

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**NCC SPEAKING ENGAGEMENTS**

Upcoming presentations by NCC CEO Janet Gellici:
~ PRB Users Group/Electric Power Conference – April 2017, Chicago
~ Carbon Management Technology Conference – July 2017, Houston
Volunteers Extraordinaire

These new members are guiding lights and a volunteer coordinator’s delight! Each volunteered to summarize a recent NCC report; the summaries will be used in briefing packets NCC is preparing for the incoming Trump Administration and Department of Energy staff. A tremendous effort that will benefit us all ~ thank you!

NCC CHAIR’S LEADERSHIP COUNCIL

The NCC CHAIR’S LEADERSHIP COUNCIL (CLC) is a coalition of coal industry leaders from varied disciplines drawn from the NCC membership. The CLC provides a forum for industry savvy, committed NCC members to provide strategic guidance to the Council and develop plans and programs in pursuit of NCC objectives.

The NCC has an increasingly important role to play this year in advising the incoming Trump Administration and the new Secretary of Energy on the objectives and work of the NCC. The reports NCC has prepared under Secretary Moniz’s tenure include findings and recommendations of particular relevance to the incoming Administration’s stated objectives to reinvigorate the U.S. coal industry.

CLC members are being called upon this year to help acquaint the incoming Administration with the activities and objectives of the Council and to set priorities for the Council’s future reports for the new Secretary of Energy. Please join us in the important undertaking.

We are now welcoming memberships for the 2017 Chair’s Leadership Council. If you would like additional information, please contact Janet Gellici at jgellici@NCC1.org.

Thank you to the following organization for their CLC 2017 membership!
News from the Department of Energy

DOE Offers Conditional Commitment for First Advanced Fossil Energy Loan Guarantee

In late December, DOE offered a conditional commitment to guarantee loans of up to $2 billion to Lake Charles Methanol LLC to construct the world’s first methanol production facility to employ carbon capture technology in Lake Charles, LA. The captured carbon would be used for enhanced oil recovery (EOR) in Texas. If constructed, the project would be the first petroleum coke (petcoke) to methanol facility in the U.S.

This project would represent the first loan guarantee made under the Advanced Fossil Energy Project solicitation issued by DOE’s Loan Programs Office (LPO). In announcing the award, Secretary Moniz noted that the LPO had received more than 70 applications to its current solicitations for almost $50 billion in loans and loan guarantees.


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DOE Funding Coal Research Projects at Universities

http://www.grants.gov/web/grants/view-opportunity.html?oppId=290836

DOE is accepting applications to fund new research through its annual University Coal Research (UCR) and Historically Black Colleges and Universities and Other Minority Institutions (HBCU/OMI) programs. DOE expects to select 4-5 projects under the UCR program, each of which could receive up to $400,000; 3-4 awards are expected to receive funding under the HBCU/OMI program with awards limited to $250,000 for each project. Applications are due by February 17, 2017.

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U.S.-Canada Partner on Oxy-Combustion


DOE and Canada’s Natural Resources Canada (NRCan) announced in October the opening of a new 1 Megawatt Thermal (MWth) facility to test an advanced process to capture CO₂ emissions from coal power plants. The new 1 MWth facility will test oxy-fired pressurized fluidized bed combustion (oxy-PFBC) as a means to more efficiently and economically capture CO2 and help advance the commercialization of CCUS in the U.S. as well as Canada. Successful results from this project will help scale up the oxy-PFBC process to commercial scale.

The test plant is an ongoing collaborative project between DOE and NRCan, and its research and development lab, CanmetEnergy. The project is being led by the Gas Technology Institute (GTI) in partnership with the Linde Group, the Electric Power Research Institute (EPRI), Alstom Power and Alberta Innovates. The project received $13 million under DOE’s Office of Fossil Energy’s advanced combustion program, and is managed by the Department’s National Energy Technology Laboratory (NETL).

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Annual Coal Report Now Available

http://www.eia.gov/coal/annual/

The Energy Information Administration (EIA) has released its annual coal report, providing annual data on U.S. coal production number of mines, productive capacity, recoverable reserves, employment, productivity, consumption, stocks and prices. All data are for 2015 and prior years.

In 2015, coal production dropped 10.3% year-over-year to below 900 million short tons, the lowest annual production level since 1986. The average number of employees at U.S. coal mines decreased 12% from 65,971 employees to the lowest on record since EIA began collecting data. U.S. coal consumption of 798 MMSt in 2015 was 13.1% lower from the 2014 levels. Average sales price of coal from U.S. mines was $31.83 per short ton in 2015, 8.6% lower than the prior year.
WHO KNEW?*
The Power of Collaboration: BHP Billiton & SaskPower +++

The International CCS Knowledge Centre

BHP Billiton and SaskPower have established the International CCS Knowledge Centre (Regina, Saskatchewan) to help advance CCS as a means of reducing greenhouse gas emissions. The Knowledge Centre will enhance global access to the data, information and lessons learned from SaskPower’s unique Boundary Dam facility – the first power plant to successfully integrate CCS. In broadly sharing the outcomes of this unique project, BHP and SaskPower hope to assist project developers to reduce both the capital and operating costs of subsequent projects. The Knowledge Centre will also advocate for policies that support the development of CCS with the aim of accelerating global deployment of CCS.

Since the announcement of its formation in late 2015, the Knowledge Centre has welcomed the collaborative participation of a Japanese consortium in undertaking a study to jointly assess the feasibility of the potential application of Japanese technologies in future CCUS projects in Saskatchewan. The study, sponsored by Japan’s New Energy and Industrial Technology Development Organization (NEDO) is being undertaken by the Knowledge Centre, Japan Coal Energy Center (JCOAL), Mitsubishi Heavy Industries, Ltd. (MHI) and Mitsubishi Hitachi Power Systems Ltd. (MHPS). It is intended to show how Japanese technologies could improve carbon capture and storage (CCS) and air quality control system (AQCS) applications for carbon capture utilization and storage (CCUS) projects in Saskatchewan, as well as to identify potential global applications of these technologies.

The Knowledge Centre is also being used to facilitate collaborative efforts between the Province of Saskatchewan and the Province of Quebec. In June 2016, Premiers of both Provinces agreed to expand their collaborative relationship to further develop the potential of CCS, contributing to the development of knowledge and best practices to reduce GHG emissions through CCS while improving the economic return on projects by reusing the captured CO₂ for other purposes. The Provinces agreed to accelerate the development and deployment of CCS technologies exchange update and information on CCS projects and technologies, and work together to explore opportunities for further collaborations.

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