WELCOME SECRETARY PERRY

It’s official!
On March 2nd, 2017, the U.S. Senate confirmed Rick Perry to lead the U.S. Department of Energy.

Members of the National Coal Council extend their congratulations to Secretary Perry.

In its capacity as an advisory group to the Secretary of Energy, NCC is pleased to offer its advice and guidance on policy and technology matters related to coal and its use in domestic markets and as an international trade commodity.

We look forward to working with Secretary Perry to advance the Administration’s goals of energy security and energy independence.
Cherry Blossoms & Meeting Attendance are Blooming

It’s official! The U.S. National Park Service has decreed March 14-17 as peak blooming period for the Washington, DC Cherry Blossom Festival.

https://www.nps.gov/subjects/cherryblossom/bloom-watch.htm

The NCC’s 2017 Annual Spring Meeting is also blossoming with nearly 1,300 industry attendees and more than a dozen Department of Energy (DOE) representatives registered to attend. The event is being hosted March 14-15 at the Sheraton Suites Old Town in historic Alexandria, Virginia on the banks of the Potomac River.

Program and registration details are available on the NCC Events page: http://www.nationalcoalcouncil.org/page-NCC-Events.html

The high attendance at this event means seating will be limited and cozy! As a special incentive, we’re offering GUARANTEED FRONT ROW SEATS for all meeting sponsors. It’s not too late to consider supporting NCC with a meeting sponsorship.

By participating as a sponsor, your organization will benefit from acknowledgements extended during the event, including verbal recognition from the podium as well as inclusion on meeting signage and in the meeting program.

Join your colleagues from the following sponsoring companies in the front row premier seating section.

Thank you Spring Meeting Sponsors ~

EVENT SPONSOR
SOAP CREEK ENERGY
LUNCH SPONSOR
CHARAH LLC
BREAK SPONSORS
ADA-ES, Dominion Energy, Headwaters, Savage Companies

See page 4 for sponsorship details.
NCC Community News

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

Joe Divoky, Babcock & Wilcox
http://www.babcock.com/
Congratulations to Joe Divoky on his new position with Babcock & Wilcox as Business Process Improvement Specialist. Joe is now responsible for defining and implementing simplified and sustainable processes that improve execution, efficiency and customer satisfaction.

Julia d’Hemecourt & Fred Eames
Hunton & Williams
www.hunton.com
NCC Legal Counselors Julia d’Hemecourt and Fred Eames recently published a blog posting entitled “Trump’s One-Two Punch on Regulations” addressing the President’s Executive Order eliminating two old regulations for every new one and imposing a cap on the economic cost of regulations each year. https://www.huntonnickelreportblog.com/2017/02/trumps-one-two-punch-regulations/

Betsy Monseu, American Coal Council
Coal Trading Association merges with ACC
www.americancoaclouncil.org
The Coal Trading Association officially merged with the American Coal Council. Coal trading matters will be addressed by a new ACC Coal Trading Committee.

Benjamin Sporton, World Coal Association
https://www.worldcoal.org/basic-coal-facts
The WCA has published a new fact sheet about the basic facts on coal, including how coal is formed, mined and produced and information on where coal is found. It also reviews the various uses of coal and features up-to-date data on the global coal industry.

Jeff Erikson, Global CCS Institute
The Global CCS Institute is hosting a fifth webinar in a series on public engagement, education and outreach for CCS. The latest webinar will focus on social site characterization and is scheduled for Thursday, March 23, 4 pm Eastern.

Shannon Angielski, CURC
www.coal.org ~ http://www.curc.net/
CURC is now CURC! To clarify, the former Coal Utilization Research Council is now the Carbon Utilization Research Council. Congratulations to Shannon and CURC on the new org.
The National Coal Council’s Spring Meeting provides a number of Sponsorship Opportunities for those wishing to demonstrate their support for NCC and enhance the visibility for their organization at the meeting. We welcome and appreciate sponsorship support at any level.

Thank you to the following Annual Spring Meeting 2017 meeting sponsors:

**Soap Creek Energy**
Charah, Inc.
ADA-ES, Dominion Energy, Headwaters & Savage Companies

If you don’t see an opportunity that suits you, please let us know and we’ll design something special just for you!

**SPONSORSHIP SELECTION**

- Event Sponsor ~ $4,000
- Program Sponsor ~ $2,000
- Reception Sponsor ~ $1,500
- Keynote Session Sponsor ~ $750 ~ Acknowledgement of Company during Keynote Session
- Buffet Lunch Sponsor ~ $600
- Breakfast & Break Sponsor ~ $500

Company: ____________________________________________________________________________
Contact: ____________________________________________________________________________
Phone: ______________________________________________________________________________
Email: ______________________________________________________________________________

**PAYMENT SELECTION**

- Enclosed is my check for $_________ Check made payable to National Coal Council
- Please invoice me for $_________
- Please provide me with bank wire transfer information.
- I’d like to pay by credit card, please invoice me with a link to pay via secured credit card site.

Contact Hiranthie Stanford for Additional Information
202-756-4524 – hstanford@NCC1.org

National Coal Council
1101 Pennsylvania Ave. NW, Ste. 300, Washington, DC 20004
Fax: 202-688-2201
NCC ACTIVITIES & NEWS

MEMBER FOCUS ON HIATUS

NCC’s regularly featured column spotlighting one of our members is on hiatus this month. To learn more about your fellow NCC members, you can access features on 22 members at http://www.nationalcoalcouncil.org/page-NCC-Member-Focus.html or check out all 44 members featured in NCC newsletters dating back to July 2013. http://www.nationalcoalcouncil.org/page-NCC-Newsletters.html

NCC CO₂ Building Blocks Report Featured in Cornerstone Magazine

http://www.nxtbook.com/nxtbooks/wiley/cornerstone_2016winter/#/36

The Winter issue of Cornerstone Magazine features an article on NCC’s most recent report for the Secretary of Energy. The article, entitled “CO₂ as a Building Block for Achieving Global Climate Goals,” highlights key findings and recommendations from NCC’s “CO₂ Building Blocks: Assessing CO₂ Utilization Options.”


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

CHAIR’S LEADERSHIP COUNCIL MEMBERS TO MEET WITH DOE SENIOR STAFF

Members of the NCC’s CHAIR’S LEADERSHIP COUNCIL (CLC) will be meeting with senior members of the U.S. Department of Energy’s Office of Fossil Energy during the NCC’s Spring Annual Meeting to discuss coal-related priorities under the new Administration and opportunities for NCC to enhance its assistance to DOE in meeting its goals. Thank you CLC members for your engagement on behalf of the Council.
News Worthy from the Department of Energy

Federal Revenues from Energy on Federal Lands Decline

In FY 2016, the U.S. government collected almost $6 billion in revenues from royalties, rental costs and other fees from activities related to energy production on federal and American Indian lands, including from production of coal, natural gas and gas liquids. From FY2010 to FY2013, federal revenues increased; revenues in FY2013 exceeded $14 billion and have since decreased each successive year. Revenues in FY2016 were the lowest since at least FY2004. [http://www.eia.gov/todayinenergy/detail.php?id=29652](http://www.eia.gov/todayinenergy/detail.php?id=29652)

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SO₂ Emissions from U.S. Power Plants Have Fallen Faster than Coal Generation

[Sulfur dioxide (SO₂) emissions produced in the generation of electricity at power plants in the U.S. declined by 73% from 2006 to 2015, a much larger reduction than the 32% decrease in coal-fired electricity generation over that period. From 2014 to 2015, the most recent year with complete power plant emissions data, SO₂ emissions fell 26%—the largest annual drop in percentage terms in the previous decade.](http://www.eia.gov/todayinenergy/detail.php?id=29812)
More News Worthy from the Department of Energy

U.S. Coal Production & Coal Generation Expected to Rise in Near Term
https://www.eia.gov/todayinenergy/detail.php?id=29872

Coal production in the U.S. totaled 739 million short tons (MMst) in 2016, an 18% decline from 2015 and the lowest level of coal production since 1978. Because nearly all coal produced in the U.S. is used to generate electricity, coal production and coal-fired electricity generation are closely connected. In 2017 and 2018, as natural gas prices are expected to increase, coal is expected to regain some share of the electricity generation mix, and coal production is expected to increase slightly.

The past decline in coal production has not been uniform across the three major coal-producing regions in the U.S. Production declines in the Western region, which includes the Powder River Basin that spans parts of Wyoming and Montana, have been similar to the overall U.S. production, falling 36% since 2008, nearly equal to the 37% decline nationally. Production declines in the Appalachian region have been more pronounced, falling by 53% since 2008. The Interior region, which includes the Illinois Basin, increased by 2% from 2008 to 2016.

The expected increase in coal production through 2018 also varies across regions. Coal production is expected to increase most in the Western region, rising from 407 MMst (2016) to 443 MMst (2018). Forecast production levels in the Appalachian and Interior regions are relatively flat. Coal production in the Appalachian region, where production costs are relatively high, is expected to be 177 MMst in 2018, slightly lower than the 2016 level of 183 MMst. Interior coal production is expected to increase from 150 MMst (2016) to 152 MMst (2018).

Japan’s Energy Sector
https://www.eia.gov/beta/international/analysis.cfm?iso=JPN

Japan is one of the largest global importers of hydrocarbons as a result of limited domestic energy resources and a high level of energy consumption. After the Fukushima nuclear incident in early 2011 and delays in returning nuclear power generation, the country has become more dependent on fossil fuels and, to a lesser extent, renewable energy for its electricity use.
News Worthy from the Administration & Congress

House Subcommittee on Energy
Hearing on Modernizing Nation’s Energy Infrastructure

On February 15th, 2017, the House Subcommittee on Energy, chaired by Rep. Fred Upton (R-MI), held a hearing examining the state of America’s evolving energy infrastructure and barriers to innovation, modernization and further job creation and economic growth. Experts testifying included:

- Ganesh Bell, Chief Digital Officer & General Manager of Software Analytics, General Electric
- Lonnie Stephenson, International President, International Brotherhood of Electrical Workers
- Terry O’Sullivan, General President, Laborers’ International Union of North America
- Steve Hauser, CEO, GridWise Alliance

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House Subcommittee on Environment
Hearing on Modernizing Environmental Laws

On February 16th, 2017, the House Subcommittee on Environment, chaired by Rep. John Shimkus (R-IL), held a hearing examining environmental law challenges and opportunities for expanding infrastructure and promoting development and manufacturing. Experts testifying included:

- Ross Eisenberg, Vice President Energy & Resources Policy, National Association of Manufacturers
- Emily Hammond, Professor of Law, George Washington University (Center for Progressive Reform)
- Melissa Mays, Founder, Water You Fighting For?
- Jonathan Mitchell, Mayor, New Bradford, MA
- Thomas Sullivan, Vice President Small Business Policy, U.S. Chamber of Commerce
- Kevin Sunday, Director Government Affairs, Pennsylvania Chamber of Business & Industry

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Senate Committee on Energy & Natural Resources
Nomination Hearing for the Honorable Rick Perry to be Secretary of Energy

On January 19th, 2017, the Senate Committee on Energy and Natural Resources, chaired by Senator Lisa Murkowski (R-AK), held a hearing to consider the nomination of the Honorable Rick Perry to be Secretary of Energy. In his opening remarks, Perry commented on his role as Governor of Texas, the nation’s leading energy producing state. He committed to advocating and promoting American energy in all forms and highlighted Texas’ efforts to reduce coal power plant emissions and incentivize clean coal technologies.

Technology Centre Mongstad (TCM) is the world’s largest facility for testing and improving CO$_2$ capture technologies, a vital part of the carbon capture and storage (CCS) route to market. At TCM, the focus is on testing and improving CO$_2$ capture technology in the very final stage before full-scale operation.

TCM aims to help reduce the cost and risks of CO$_2$ capture technology deployment by providing an arena where vendors can test, verify and demonstrate proprietary CO$_2$ capture technologies. The Centre aims to be the preferred verification partner for CO$_2$ capture technologies internationally.

TCM provides access to two intrinsically different, real-life flue gases for testing: flue gas from a gas turbine power plant and flue gas from a refinery catalytic cracker, which resembles flue gas from a coal-fired power plant. The CO$_2$ contents are about 3.5% and 13%, respectively with flexibility to dilute/enrich the flue gas sources. This enables vendors the unique opportunity to flexibly test their capture technologies for both coal- and gas-fired power plants, as well as on other industrial applications, using the same facility.

The TCM test site is equipped with two distinct units for post-combustion capture technology verification with space available to add others.

The Economist produced an overview video on TCM that can be viewed here: http://www.economist.com/blogs/babbage/2012/08/tackling-climate-change?bclid=0&bctid=1799012686001

NCC members might recall a presentation by Buz Brown, CEO of ION Engineering delivered at the NCC’s 2016 Spring Annual Meeting in which he discussed ION’s patented liquid absorbent technology that produces a more efficient and lower cost way to capture CO$_2$ than traditional methodologies. http://www.nationalcoalcouncil.org/studies/2016/NCC-Spring-2016-Buz%20Brown-ION-Engineering.pdf

ION’s technology is being tested at TCM ~ learn more here: https://www.youtube.com/watch?v=CCQn9z3wzKg

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