

coal ENERGY

Issue 1 • 2018

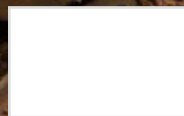
From the Mine to the Utility

UPCOMING
MEMORIAL

World News:
INDONESIA

FOCUS ON CCS

**TRUMP'S
PROGRESS**



Find Us on Facebook



coalenergyonline



Coal Energy
1,688 likes · 18 talking about this

Update Page Info Follow

Magazine
Coal Energy is a magazine linking the 4 main coal associations and remembering miners who have sacrificed their lives working in the coal mining industry.

About Photos Likes



<https://www.facebook.com/coalenergyonline>



World News:
INDONESIA **22**



Coal Stocks **20**

table of contents

Features:

- 06 Upcoming 2017 Memorial
- 08 Trump's Progress
- 10 Championing CC Technology

Departments:

- 20 Coal Stocks
- 22 World News: INDONESIA
- 31 Member Spotlights

In every issue:

- 03 Letter from your Publisher
- 04 Association Comparisons
- 13 In the Press
- 24 Association Members
- 32 Industry Events
- 34 Index to Advertisers
- 34 Upcoming Issue

Published & Produced By:

Martonick Publications, Inc.

PO Box 244322
Boynton Beach, FL 33424

Toll Free Phone: (866) 387-0967
Toll Free Fax: (866) 458-6557

info@martonickpublications.com
www.martonickpublications.com
www.coalenergyonline.com

The opinions expressed by the authors of the articles contained in Coal Energy are those of the respective authors, and do not necessarily represent the opinion of the publisher.

President:

Maria Martonick

Vice President:

Steve Martonick

Managing Editor:

A.J. Raleigh

Research Coordinator:

Vivian Mofeed

Contributing Writers:

Maria Martonick, Dino Grandoni,
Benjamin Sporton, Hal Quinn, Gary
Kohn, Kevin Johnston

Graphic Designer:

Natalia Filatkina

Railcar Repair



Wheelset Services



Tank Car Repair



Bearings



PROGRESS
RAIL SERVICES

Wheels



Locomotive Parts & Repair



Railcar Parts

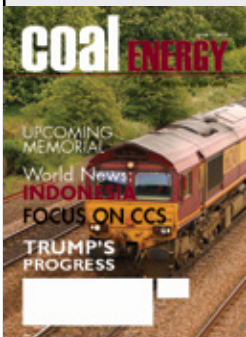


Our integrated products and services, combined with our strategically located facilities, set us apart in the industry. Call us today and put the power of Progress to work for you.

800-476-8769

www.progressrail.com

letter from THE PUBLISHER



APRIL 2018

Dear readers,

Welcome to Issue 1, 2018 of Coal Energy. Coal Energy is proud to be the source journal for information about coal related associations in the industry. We currently provide information at your fingertips on different groups to benefit your companies' needs and targets. By providing information at a glance on each group, and including current member lists, your company can analyze the forums available to market, promote, and lobby for America's future regarding coal energy.

In this issue we feature articles on Trump's progress in the industry, on carbon capture technology and coal stock basics.

In every issue, Coal Energy includes a world news piece to bring the reader up to date on import/export and investment news around the globe. In this issue we take a look at Rio Tinto's sale of the Kestrel Mine in Australia to EMR and Adaro, an Indonesian listed coal company.

Every year our writers gather information on the tragic loss of coal miners in the industry. MSHA's updates are included semi-annually as well as tributes and memorials to honor our fallen miner's. The memorial for 2017 will be included in the next issue. Please stay tuned to remember our nation's heroes that lost their lives to provide energy for America. Please take a moment of silence as you review information regarding these miners on page 6.

Coal Energy is also proud to be able to provide quick news updates gathered from various sources to create an easy wealth of industry information at the click of a button. From newly released equipment, to quarterly finance news, you can easily review important industry happenings in our press release section starting on page 13.

Please visit our website, www.coalenergyonline.com, for current and prior editions of Coal Energy.

You can also like and share our facebook page (www.facebook.com/coalenergyonline) created to network with the nations promoters of coal, suppliers of coal, and public interface for the image of coal energy.

With the ongoing trend and convenience of electronic publications, we are pleased to inform you our online readership is increasing daily. To be added to our digital delivery database, please send an email to info@martonickpublications.com with your subject as Digital Delivery. We are proud to announce that our facebook page now has a weekly reach of over 5,000 contacts and is liked by 1,700 individuals and companies who support coal and coal energy.

We extend a warm appreciation to our supporting advertisers, please support them as they make the publication you are reading possible. If your target market spans across to members of more than one coal association, then Coal Energy is the place for you to represent your company. Please contact our advertising sales representatives should you require additional information at info@martonickpublications.com.

And again, thank you for picking up, or clicking on, another edition of Coal Energy.

If you have any questions, editorial submissions, advertising interest or just comments about Coal Energy please feel free to email me directly at maria@martonickpublications.com.

Warmest regards,

Maria Martonick
President
Martonick Publications,
Inc.



ASSOCIATION COMPARISONS



AMERICAN COAL ASH ASSOCIATION

MISSION:

The ACAA advances the management and use of coal combustion products in ways that are environmentally responsible, technically sound, commercially competitive and more supportive of a sustainable global community.

www.acaa-usa.org

THE NATIONAL MINING ASSOCIATION

MISSION:

NMA's mission is to build support for public policies that will help Americans fully and responsibly benefit from our abundant domestic coal and mineral resources. Our objective is to engage in and influence the public process on the most significant and timely issues that impact mining's ability to safely and sustainably locate, permit, mine, transport and utilize the nation's vast resources.

NMA serves its membership by:

- Promoting the safe production and use of coal and mineral resources
- Establishing a strong political presence in the Nation's Capital
- Serving as the information center for and a single voice of U.S. mining
- Addressing the current and future policy needs of U.S. mining, mining equipment manufacturers and support services members of NMA

www.nma.org

NATIONAL COAL TRANSPORTATION ASSOCIATION

MISSION:

The Mission of the NCTA is to provide education and facilitation for the resolution of coal transportation issues in order to serve the needs of the general public, industry, and all modes of transportation.

This is accomplished through the sponsoring of educational forums and providing opportunities for the lawful exchange of ideas and knowledge with all elements of the coal transportation infrastructure.

www.nationalcoaltransportation.org

AMERICAN SOCIETY OF MINING AND RECLAMATION

MISSION:

ASMR's mission is to represent and serve a diverse national and international community of scientists, practitioners, private industry, technicians, educators, planners, and government regulators involved in mineral extraction and the reclamation of disturbed lands. ASMR promotes the advancement of basic and applied reclamation science through research and technology transfer in the Society's annual meetings, workshops, published proceedings, newsletters, Reclamation Matters magazine, and the ASMR web site.

<http://fp1.ca.uky.edu/asmr>

AMERICAN COAL COUNCIL

MISSION:

American Coal Council (ACC) provides relevant educational programs, market intelligence, advocacy support and peer-to-peer networking forums to advance members' commercial and professional development interests.

ACC represents the collective interests of the American coal industry ~ from the hole-in-the-ground to the plug-in-the-wall ~ in advocating for coal as an economic, abundant and environmentally sound fuel source. ACC serves as an essential resource for industry, policy makers and public interest groups. The Association supports activities and objectives that advance coal supply, consumption, transportation and trading.

www.americancoalcouncil.org

WORLD COAL ASSOCIATION

MISSION:

The World Coal Association is a global industry association comprising the major international coal producers and stakeholders. WCA works to demonstrate and gain acceptance for the fundamental role coal plays in achieving a sustainable and lower carbon energy future. Membership is open to companies and not-for-profit organizations with a stake in the future of coal from anywhere in the world, with member companies represented at Chief Executive level. WCA is the global network for the coal industry.

www.worldcoal.org/about-wca/

RMEL

MISSION: RMEL, through its diverse membership, educational events, and programs, facilitates the discovery of solutions and strategies for vital issues facing the electric utility industry.

www.rmel.org

COAL TRADING ASSOCIATION

MISSION:

The Coal Trading Association (CTA) is the only trade association dedicated exclusively to the needs of traders, trading managers, brokers, risk managers, sales managers, and purchasing managers in the coal trading industry.

CTA was established in 1999 to promote coal trading capability and liquidity in the US. CTA develops and maintains industry standards for coal trading activity with the goal of achieving a disciplined, liquid and efficient coal trading industry. To achieve this goal, CTA develops policies, exchanges information among members and other interested professional and technical groups, and offers training programs to improve the knowledge, skills, and practice tools of its members.

www.coaltrade.org

PLEASE STAY TUNED FOR COAL ENERGY'S MEMORIAL TO HONOR OUR BRAVE COAL MINERS WHO LOST THEIR LIVES IN THE INDUSTRY IN 2017

1. RAY HATFIELD, JR. , 42, JANUARY 26TH, 2017
2. FRANKLIN L. VANNOY, 54, FEBRUARY 10TH, 2017
3. JASON K. MATTHEWS, 43, FEBRUARY 27TH 2017
4. JOSEPH W. PARTIN, 33, MARCH 30TH, 2017
5. DENNIS FILLINGER, 62, APRIL 6TH, 2017
6. MICHAEL RAMSEY, 62, MAY 6TH, 2017
7. LUCHES ROSSER, 44, MAY 19TH 2017
8. RODNEY S. OSBORNE, 32, JUNE 13TH, 2017
9. MARIUS SHEPHERS, 32, JUNE 19TH, 2017
10. ANDREW OXENRIDER, 28, JULY 25TH, 2017
11. JASON D. STEVENS, 32, AUGUST 3RD, 2017
12. OWEN M. JONES, 51, AUGUST 25TH 2017
13. JAIME OLIVAS, 39, SEPTEMBER 28TH, 2017
14. JAMES R. ADKINS, 48, OCTOBER 23RD, 2017
15. THURMAN A. WATTS, 34, DECEMBER 29TH 2017

Special thank you to our current sponsors:



Please contact maria@martonickpublications.com for the opportunity to sponsor the memorial section.

TRUMP DID MORE FOR 'CLEAN COAL' IN ONE WEEK THAN IN ALL OF 2017

February 13, 2018

By Dino Grandoni

In a few short days, Trump has taken concrete steps toward bringing carbon-capture-and-storage technology, often called "clean coal," into mainstream use. The White House managed to do more work on carbon capture in one week than it fit into all of 2017.

Carbon capture has caught the attention of lawmakers because it offers both parties — and the president — a way to achieve their political goals without compromising on basic beliefs. Some Democrats concerned about climate change push the technology as a way of reducing the release of greenhouse gases without imperiling jobs, even if some environmentalists worry about prolonging the use of fossil fuels. Led by Trump, the GOP has championed a new emphasis on fossil-fuel extraction, most prominently coal — and technologies like carbon capture allow such production to be done in a more environmentally

friendly way. To boot, Republicans like how carbon dioxide can be pumped underground to unlock even more petroleum in a process called enhanced oil recovery.

It would seem to be a win-win for both parties and Trump's budget reflects that logic.

Last Friday, Trump signed a spending deal that included a new tax credit for projects attempting carbon capture — a process by which carbon dioxide is caught and stored underground instead of being released into the atmosphere and contributing to climate change.

Then on Monday, the White House released a budget proposal that restored funding to the Energy Department's "clean coal" efforts. The Trump administration called for \$502 million in funding for Fossil Energy Research and Development program, according

to a summary released by the department.

That's still a 20 percent cut from 2017 funding levels. Yet one year ago, the Trump administration was calling for the office's budget to be slashed by a whopping 55 percent.

Dan Reicher, former chief of staff at the Energy Department, said the administration's spending on carbon capture and storage would reinforce the new carbon-capture incentives.

It seems "the administration now realizes carbon capture and storage is a viable technology," Reicher said.

Carbon-capture advocates hope the one-two punch of a tax break and a research bump puts the technology on the same path wind and solar energy started years ago.



Making Too Many Calls?

Freight Car Parts...
Locomotive Parts...
AEI Equipment...


One call does it all! 800-878-9440

"Combining DOE research that improves energy technologies with an incentive to deploy those technologies is a proven winning combination demonstrated by wind and solar power," said Matt Lucas, an associate director at the Center for Carbon Removal.

Energy Secretary Rick Perry said as much in his briefing to reporters on the budget.

"I think everybody who is in touch with reality will tell you that fossil fuels are going to continue to play a role in the future," Perry said. "Our goal is to produce it more cleanly." Perry noted that last year his department signed a deal with Saudi Arabia's energy ministry to collaborate on carbon capture.

It should, of course, be noted the White House's budget proposal is essentially a wish list of what the Trump administration wants the federal government to look like. Congress needs to consent to any changes.

Much of the rest of the proposed

budget for the Energy Department mirrors what the Trump administration asked for last year.

The administration wants a 17.5 percent increase for the department's National Nuclear Security Administration, which maintains the nation's nuclear weaponry. It wants to cut funding to the Office of Energy Efficiency and Renewable Energy (EERE) by two-thirds from 2017 levels. It wants to eliminate entirely the department's tech incubator, the Advanced Research Projects Agency-Energy (ARPA-E).

And just like last year, many of Trump's wishes for Energy are unlikely to come true. Both then and now, programs such as EERE and ARPA-E are just too popular among Democrats and enough Republicans in Congress to be maimed or killed. But members of both parties are willing to support carbon-capture efforts, as demonstrated by the recent congressional spending deal.

So, on this one issue that Trump may get what he wants from lawmakers and energy policy.

HERE ARE SOME OTHER HIGHLIGHTS FROM TRUMP'S BUDGET:

- *Cutting \$2.5 billion from the Environmental Protection Agency, a 23 percent decrease, The Post's Brady Dennis reports.*
- *Slashing several dozen EPA programs altogether, including "funding for state radon-detection initiatives; assistance to fund water system improvements along the U.S.-Mexico border; and partnerships to monitor and restore water quality in the Gulf of Mexico, Puget Sound and other large bodies of water."*
- *Cutting by 90 percent restoration programs for other bodies of water — namely, the Chesapeake Bay and Great Lakes (even though those programs would be retained). "A 90 percent cut isn't substantially different for zeroing it out like they did last time," said Betsy Nicholas, executive director of Waterkeepers Chesapeake. "If it were a priority, they would have fully funded it."*

Airport Runways
Housing Subdivisions
Interstate Highways
State Highways
County Roads
State Parks
Parking Lots
Feedlot Pads
Pond & Lake Floors

SON-HAUL INC.

Leading The Industry In Soil Stabilization & Quick Setting Flowable Fill

Asphalt Pulverization • Cement • Class C Fly Ash • Full Depth Reclamation • Lime • Flash Fill

20011 Cty Rd 13
PO Box 1449
Fort Morgan, CO 80701
970.867-4401
www.flashfill.net
www.son-haul.com

SONFILL LLC

CHAMPIONING CARBON CAPTURE TECHNOLOGY

27TH MAR 2018

By: Benjamin Sporton / WCA Chief Executive

ONE YEAR OF PETRA NOVA'S SUCCESS STORY

Petra Nova is the world's largest post-combustion carbon capture facility installed on an existing coal-fuelled power plant.

It is also one of two coal-fuelled power plants operating with carbon capture and storage (CCS) with SaskPower's Boundary Dam in Canada being the other one.

In the last year alone, the 240MW Petra Nova plant, located in Houston, Texas, has captured about 1.6 million tonnes of CO₂, – the equivalent of taking 342,000 cars off the road for a year.

Petra Nova first captured CO₂ on September 19, 2016 and has the capacity to capture more than 90% of the CO₂ emitted from the flue gas slipstream.

By being built on an existing coal unit, Petra Nova shows an economic path to make existing and new fossil fuel plants significantly more environmentally viable as we transition to more sustainable energy future.

The success of this project has wider implications for the future deployment of CCS as a vital climate mitigating technology. Petra Nova demonstrates the viability of CCS.

CCS is the only technology that is able to eliminate emissions from coal and gas-fired power plants. It is also one of the few

technologies that can address emissions from industrial processes, including the production of steel, cement, and other chemicals, all of which will remain critical building blocks of modern society.

The International Energy Agency (IEA) estimates that 14% of emission reductions by 2060 will come from CCS technology. The Intergovernmental Panel on Climate Change (IPCC) has said that climate action would be 138% more expensive, if not impossible, without widespread deployment of CCUS technology.

In order to meet global targets, the Global CCS Institute reckons we need over 2000 CCS facilities around the world by 2040. However, today, there are only 37 large-scale CCS projects, including Petra Nova.

Despite the importance attached to CCS in helping to achieve global climate goals, the technology has not received the same level of support as other low emissions technologies.

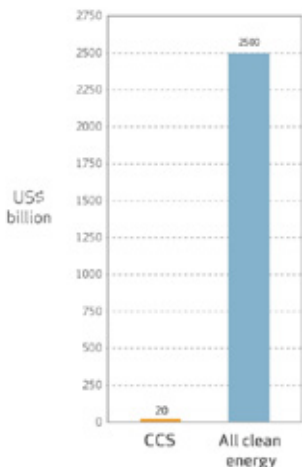
While there have been important CCS project breakthroughs since 2005, the vital role CCS will play globally in the transition to a low-carbon economy has not yet translated broadly enough into policy support at national levels.

Worldwide, around US\$2.5 trillion has been invested in clean energy technologies in the last ten years. Less than 1% of this has gone to CCS.

Clean energy investment 2006 - 2015 (US\$ billion)

CCS:
\$20
billion

Total clean
energy:
\$2500
billion



Source: Clean energy data from Bloomberg New Energy Finance, 2016. Clean Energy Investment By the Numbers - End of Year 2015. CCS data sources from IEA, 2015. Tracking Clean Energy Progress 2015. Energy Technology Perspectives 2015 Except IEA input to the Clean Energy Ministerial, Paris. OECD/IEA

It's for this reason that incentives such as the recently announced 45Q tax credits in the United States are welcome news. The WCA sees this increased and extended support for companies that invest in CCUS technologies in the United States as an important step to encourage the wider deployment of CCUS. We hope it also encourages other countries to act in getting policy mechanisms in place to help drive deployment of this essential climate technology.

The WCA is encouraging international partners, such as development banks and governments, to work together to increase funding for, and the use of these technologies.

Often I get asked what the coal industry is doing to accelerate the deployment of the technology.

In recent years the coal industry has joined with a range of partners, both public and private to help drive development of CCS.

A prominent example of this has been the Australian coal industry's COAL21 Fund, a fund created by a levy on Australian coal production which has now invested \$300 million in the past 10 years and has leveraged another \$550 million from other sources in CCS research and development.

Other projects, such as GreenGen in China, are either being supported or have been supported by the coal and electricity industries. These and many other examples show how the industry is committed to CCS.

Financial and policy support have always been essential in getting any new clean technology deployed.

For those who say CCS is not viable, we say Petra Nova proves otherwise. A year on and still going strong. If we're going to see this success replicated elsewhere, we'll need to see policy parity for all low emission technologies, including CCS, and a step-up in investment.

COAL STORAGE



(Lake Charles, Louisiana)

Borton can help the customer design, plan, and build their coal storage facility. Our experienced engineers can assist with the crucial designing stage. Our experience allows us to utilize the latest technological advancements.

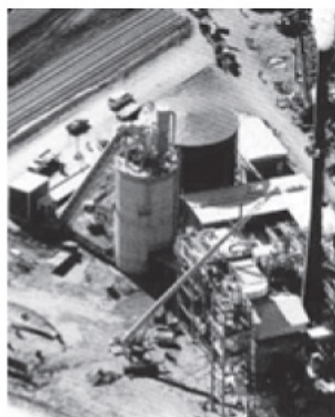
Renovation of existing facilities can improve efficiency and meet the customer's ever-changing requirements.



Building silos, conveyors, and controls for handling coal is an area of expertise for Borton.



(Converse County, Wyoming)



(Louden, Tennessee)

Whether the customer's project includes loading out by train, truck, or ship, Borton will incorporate the latest technology in automation, scales, and conveying.



UTTER CONSTRUCTION, INC.

Safely Supporting Power Generation

Ash Pond Closures

Landfill Construction & Development

Waste Pond Dredging & Maintenance

Landfill Operations & Maintenance

**Material Processing & Dewatering
Techniques**

Environmental Maintenance

Material Handling & Transportation

Civil Site Development & Earthwork

Commercial Scaffolding & Carpentry

Miscellaneous Concrete Services

Pipe System Installations



1302 State Route 133
Bethel, Ohio 45106

Office: (513) 876-2246
Fax: (513) 876-3626

www.utterconstruction.net



PRESS RELEASES

Peabody Receives 'Employer of the Year – Energy & Natural Resources' Award from Corporate LiveWire / March 26, 2018

Peabody was recently named “Employer of the Year – Energy & Natural Resources” for 2018 by United Kingdom-based Corporate LiveWire, which called the company a “pacesetter in safety and health, sustainability practices and its people orientation.”

The honors were given by a panel of judges as part of Corporate LiveWire’s annual Innovation & Excellence Awards program, which recognizes companies for innovation, products and services, industry recognition, use of technology, sustainable development, ethical practice, service excellence, marketing and branding and employee satisfaction. The judging panel was made up of experts in entrepreneurial leadership, business data solutions and creative thinking.

“...Peabody serves as an example of excellence as they promote an inclusive and people-cen-

tered culture which creates competitive advantage,” the judges wrote. “The company seeks an empowered and collaborative workplace that is built upon a foundation of mutual trust and respect. Peabody routinely gathers feedback from team members to identify opportunities that further enhance the employee value proposition.”

Peabody (NYSE: BTU) is the leading global pure-play coal company, serving power and steel customers in more than 25 countries on six continents. The company offers significant scale, high-quality assets, and diversity in geography and products. Peabody is guided by seven core values: safety, customer focus, leadership, people, excellence, integrity and sustainability.

For further information, visit PeabodyEnergy.com.

NMA Supports Tax Credit to Safeguard Reliable Coal Based Power Generation / March 14, 2018

WASHINGTON, D.C. – *National Mining Association (NMA) President and CEO Hal Quinn today issued the following statement in support of “The Electricity Reliability and Fuel Security Act,” sponsored by Rep. Larry Bucshon (R-Ind.). The bill, a response to threats to the resiliency of the nation’s power grid due to the loss of almost 600 coal plants nationwide since just 2010, would provide a 30 percent tax credit for fixed operation and maintenance expenses of a coal-based generating unit for up to five years:*

“This coal baseload electricity generation tax credit is a necessary measure that will help to safeguard the reliability and resiliency of the nation’s power grid. The credit will help arrest the dramatic retirement of these power plants that provide reliable capacity, resilient generation and critical support services to the grid.”

Arch Coal, Inc. Announces Successful Repricing and Amendment to Credit Agreement / ST. LOUIS, April 3, 2018

Arch Coal, Inc. (NYSE: ARCH) announced today that it has successfully completed an amendment to its credit agreement to further reduce the interest rate on its senior secured term loan facility. The new interest rate for the approximately \$300 million term loan facility is LIBOR plus 275 basis points - reflecting a 50 basis point reduction from its previous level and representing one of the lowest rates in the coal industry. The LIBOR floor remains at 1.0 percent. There is no change to the maturities as a result of this repricing amendment. The reduction in the interest rate is expected to generate incremental annual cash interest savings of \$1.5 million.

"We are extremely pleased to complete another successful repricing of our senior secured term loan," said John T. Drexler, Arch's Chief Financial Officer. "Through our refinancing and repricing efforts, since October 5, 2016, we have reduced the interest rate on our term loan by a total of 625 basis points and have lowered our interest expense by approximately \$22 million on an annualized basis. We sincerely thank our lenders for their continued confidence and support."

Credit Suisse acted as sole lead arranger on the transaction.

U.S.-based Arch Coal, Inc. is a top coal producer for the global steel and power generation industries. Arch operates a streamlined portfolio of large-scale, low-cost mining complexes that produce high-quality metallurgical coals in Appalachia and low-emitting thermal coals in the Powder River Basin and other strategic supply regions. For more information, visit www.archcoal.com.

Forward-Looking Statements: This press release contains "forward-looking statements" - that is, statements related to future, not past, events. In this context, forward-looking statements often address our expected future business and financial performance, and often contain words such as "expects," "anticipates," "intends," "plans," "believes," "seeks," or "will." Forward-looking statements by their nature address matters that are, to different degrees, uncertain. For us, particular uncertainties arise from changes in the

demand for our coal by the domestic electric generation industry; from legislation and regulations relating to the Clean Air Act and other environmental initiatives; from operational, geological, permit, labor and weather-related factors; from fluctuations in the amount of cash we generate from operations; from future integration of acquired businesses; and from numerous other matters of national, regional and global scale, including those of a political, economic, business, competitive or regulatory nature. These uncertainties may cause our actual future results to be materially different than those expressed in our forward-looking statements. We do not undertake to update our forward-looking statements, whether as a result of new information, future events or otherwise, except as may be required by law. For a description of some of the risks and uncertainties that may affect our future results, you should see the risk factors described from time to time in the reports we file with the Securities and Exchange Commission.

Specialized Utility Plant Services



- Coal & Ash Handling Solutions
- Coal & Ash Transportation
- Water Filtration & Processing
- Bulk Transportation of All Materials
- Ash & Waste Management
- Resource Recovery & Marketing
- High Powered Wet & Dry Vacuuming
- Excavation for Ponds & Landfills



7440 I-25 Frontage Rd (East Side), Frederick, CO 80530
(303) 772-4577 • Metro (303) 442-6829 • Fax (303) 442-5706

Kinross Gold Receives the U.S. Mining Industry's Top Safety Certification / March 22, 2018

WASHINGTON, D.C. – The National Mining Association (NMA) today recognized Kinross Gold Corporation for receiving independent certification under its **CORE Safety®** system. Kinross, one of the leading gold mining companies in the world, is the eighth NMA member company to complete each step of this process.

“We congratulate Kinross on starting out 2018 with this noteworthy accomplishment in mine safety and health,” said NMA CEO and President Hal Quinn. “Kinross’ efforts have more than proven that putting people first is a true core value for the company and it goes above and beyond to make sure every employee returns home safe and healthy every day.”

“Kinross is very proud to have one of the best safety records in our industry, and we continuously work to maintain and strengthen our

performance,” said J. Paul Rolinson, Kinross Gold’s president and CEO. “Mining responsibly is an imperative at Kinross and being certified under **CORESafety** ensures best practices are implemented at our operations.”

CORESafety’s approach to safety and health emphasizes accident prevention and uses a risk-based management system anchored in leadership, management and assurance. The framework is designed to go beyond what is required by regulations, focusing on a goal of continuous improvement. Its objective is zero fatalities and a 50 percent reduction in mining’s injury rate within five years of implementation. In 2017, companies participating in the **CORESafety** system closed the year with zero fatalities across U.S. operations.

CORESafety is a risk-based mine safety and health manage-

ment system developed by NMA. **CORESafety** participants agree to: commit to the **CORESafety** system; implement a functionally-equivalent version of the **CORESafety** safety and health management system; submit to NMA annual self-assessments of progress toward implementation of the **CORESafety** safety and health management system; and, if the company elects to become or maintain **CORESafety** certification, complete a thorough third-party assessment of its safety and health management system to verify that it is functionally equivalent to **CORESafety** and submit the assessment report to NMA.

Predictive Safety conducted the independent audit for Kinross Gold.

For more information on the **CORESafety** program, visit www.coresafety.org.

COAL COMBUSTION PRODUCTS



Innovation by Lafarge

Lafarge is your solutions provider for CCP utilization

- > Over fifty years of acquired experience and technical expertise in the ash business
- > One of the largest suppliers, and users of concrete-quality fly ash and other CCPs
- > A leading consumer of fly ash, bottom ash, and gypsum for use in raw feed
- > One of the largest consumers of synthetic gypsum for use in wallboard
- > A leading supplier of CCPs for geotechnical applications

Bottom line: Lafarge is an ideal partner for marketing your CCPs

To learn more, contact your Lafarge representative or visit us at www.lafarge-na.com



© 2012 Lafarge North America Inc., Reston, VA

Westmoreland Reports Fourth Quarter and Full Year 2017 Results; Capital Structure Optimization Underway / April 2, 2018

Englewood, CO – April 2, 2018 - Westmoreland Coal Company (Nasdaq:WLB) (the "Company") today reported its fourth quarter and full year 2017 financial results and provided an update on its capital structure evaluation. In light of ongoing discussions with Westmoreland's creditors in connection with the Company's capital structure review, Westmoreland will not host a conference call for investors this quarter.

2017 Results and Highlights: Fourth Quarter:

- Revenues of \$363.8 million from 12.8 million tons sold
- Net income applicable to common shareholders of \$35.1 million, or \$1.87 per share
- Adjusted EBITDA of \$86.0 million
- Cash flow provided by operating activities of \$93.0 million;
- Free cash flow of \$83 million;

Full Year:

- Revenues of \$1.4 billion from 49.7 million tons sold
- Net loss applicable to common shareholders of \$71.3 million, or \$3.82 per share
- Adjusted EBITDA of \$269.3 million
- Cash flow provided by operating activities of \$114.2 million
- Free cash flow of \$129.6 million

"Cash flow generated by our business exceeded expectations in 2017 as we benefited from our safe and efficient operations and meeting our customer requirements under the long-term sales contracts," said Interim President and Chief Executive Officer, Michael Hutchinson. "As we previously noted, we are working diligently to improve our capital structure so it better matches our cash flow profile."

Gary Kohn, Westmoreland's Chief Financial Officer, stated, "Together with our financial and legal advisers we are designing an improved capital structure for Westmoreland Coal and all of our subsidiaries. Our aim is to create a capital structure that better aligns with our cash flow and allows for an improved balance sheet. During the restructuring process, we have remained focused on safety and on providing our customers with the level of service they have come to expect from Westmoreland."

Safety

Westmoreland's safety metrics for the year ended December 31, 2017 are shown below:

	Year Ended December 31, 2017	
	Reportable Rate	Lost Time Rate
U.S. Surface Operations	1.45	0.89
U.S. National Surface Average	1.35	0.78
Percentage	107%	114%
U.S. Underground Operations	1.55	0.97
U.S. National Underground Average	4.86	3.78
Percentage	32%	26%
Canadian Operations	1.49	0.41

Balance Sheet, Cash Flow and Liquidity

Westmoreland finished the year with \$103.2 million in cash and cash equivalents, up from \$60.1 million at December 31, 2016. At December 31, 2017, the Company had an undrawn \$50 million revolving credit facility, of which \$28.7 million, net of letters of credit and borrowing base restrictions, was available for borrowing.

Free cash flow generated in 2017 was \$129.6 million, which was the result of strong operations, favorable year-end working capital, and a net \$13.4 million of released bond collateral. Bond collateral returns were previously included in cash from investing activities, but are now included on several lines of cash from operating activities on the cash flow statement. As a result, bond collateral return is included in free cash flow generation. Capital expenditures totaled \$35.0 million, and net cash from loan and lease receivables was \$50.5 million. Included in cash flow provided by operations were cash uses for interest expense of \$98.1 million and for asset retirement obligations of \$43.4 million.

Gross debt plus capital lease obligations at December 31, 2017 totaled \$1.1 billion, down \$70.7 million from year end 2016. Outstanding gross indebtedness, cash on hand and net debt as of December 31, 2017 were as follows:

	<u>Gross Debt</u>	<u>Cash on Hand</u>	<u>Net Debt</u>
		(in millions)	
Parent	\$ 692.8	\$ 47.2	\$ 645.6
San Juan	56.6	19.3	37.3
WMLP	326.5	36.7	289.8
Consolidated	<u>\$ 1,075.9</u>	<u>\$ 103.2</u>	<u>\$ 972.7</u>

Consolidated and Segment Results

Consolidated Adjusted EBITDA in the fourth quarter was \$86.0 million, down 4% from the record high quarterly Adjusted EBITDA of \$89.1 million in the same period of the prior year. Full year consolidated Adjusted EBITDA of \$269.3 million, which included an incremental \$37.1 million from the early Capital Power repayment of loan and lease receivables, was down slightly from the previous year.

The Coal - U.S. segment fourth quarter Adjusted EBITDA was up 18% to \$43.9 million. Full year 2017 Adjusted EBITDA was up 2% to \$129.3 million. These improvements were driven by high-margin reclamation work at the Jewett mine and performance from the San Juan mine. Also reflected in the year-over-year comparisons are the 2016 coal supply contract expirations at the Jewett and Beulah mines.

The Coal - Canada segment fourth quarter Adjusted EBITDA was down 41% to \$18.9 million. Full year 2017 Adjusted EBITDA was up 2% to \$90.0 million. The year-over-year fourth quarter comparison was negatively impacted by the accelerated Capital Power receipt in the first quarter of 2017 due to the loss of financing income after the payment was made. Results in the Coal - Canada segment were also affected by the now-resolved dragline issues at the Estevan mine and the cost overruns due to operational issues at the Coal Valley mine earlier in the year.

The Coal - WMLP segment had fourth quarter Adjusted EBITDA of \$15.8 million, a 25% decrease from the prior year, and full year Adjusted EBITDA of \$68.7 million, a 13% decrease. Operations at the Coal - WMLP segment were negatively impacted by ongoing Ohio open-market pressures and the Kemmerer pit flooding in the first half of 2017.

The Power segment Adjusted EBITDA of \$14.4 million in the fourth quarter and \$11.3 million for the full year 2017 benefited from the acceleration of non-cash deferred revenue associated with the exit of the power supply contracts at ROVA.

Corporate Update

Westmoreland expects to file its annual report on Form 10-K today containing an audit opinion with an explanatory paragraph referring to Westmoreland's conclusion that substantial doubt exists regarding its ability to continue as a going concern. Delivery of financial statements with such an audit opinion constitutes a breach of certain covenants under the revolver and the San Juan term loan. If accelerated, default under the revolver can cause a cross-default to the Westmoreland term loan and senior notes. Westmoreland has obtained waivers from the specific lender groups with respect to the potential event of default, as well as certain other matters. The waivers provide Westmoreland with additional time to continue negotiations with lenders regarding changes to the capital structure. Substantially all of Westmoreland's debt is now classified as current as of December 31, 2017.

Westmoreland has suspended the search for a permanent Chief Executive Officer until the conclusion of the capital structure negotiations.

Notes

Westmoreland presents certain non-GAAP fi-

ancial measures, including Adjusted EBITDA and free cash flow, that Westmoreland believes provide meaningful supplemental information and provide meaningful comparability to prior periods. Reconciliations of non-GAAP to GAAP measures are presented in the accompanying tables.

About Westmoreland Coal Company

Westmoreland Coal Company is the oldest independent coal company in the United States. Westmoreland's coal operations include surface coal mines in the United States and Canada, underground coal mines in Ohio and New Mexico, a char production facility, and a 50% interest in an activated carbon plant. Westmoreland also owns the general partner of and a majority interest in Westmoreland Resource Partners, LP, a publicly traded coal master limited partnership (NYSE:WMLP). For more information, visit www.westmoreland.com.

For further information please contact:

Gary Kohn, Chief Financial Officer

1-720-354-4467

gkohn@westmoreland.com



**Delivering
Tough, Tested, &
Innovative
material handling
solutions**

*backed by genuine and dependable
industry experience since 1944.*



visit martin-eng.com
call 800.544.2947
email info@martin-eng.com

A Global Company



® Registered trademark of Martin Engineering Company in the US and other world countries.
© 2012 Martin Engineering Company. Additional information can be found at www.martin-eng.com/resources.

The best coal cars come from FreightCar America.

FreightCar America is the world's leading coal car builder for good reason. Its BethGon®II gondola car and AutoFlood III™ automatic discharge hopper car are the standards of the industry.

No one builds more aluminum, steel, and stainless steel coal cars than FreightCar America. That should come as no surprise - FreightCar America and its predecessor companies have been at it for 105 years!

In addition to coal cars, FreightCar America builds flat cars, mill gondolas, intermodal cars, coil steel cars, covered hopper cars and AVC Aluminum Vehicle Carriers.

Contact your friends at FreightCar America to find out more about the best freight cars, produced by America's most innovative railcar builder.



**FreightCar
America**

We are America's freight car builder.

Two North Riverside Plaza
Suite 1250
Chicago, IL 60606
800-458-2235
www.freightcaramerica.com

TOP 4 COAL- MINING STOCKS AS OF APRIL 2018

By Kevin Johnston | April 2018

Coal mining is a tricky business right now. Demand for coal has been decreasing and could continue on that downtrend. However, China still needs a lot of coal, and more relaxed restrictions under President Donald Trump could be the boost the industry needs. In his first speech to Congress, Trump said, «We are going to stop the regulations that threaten the future and livelihood of our great coal miners.»

CLOUD PEAK ENERGY INC. (CLD)

The stock of Cloud Peak Energy rose steadily in 2016, but the price saw a decline throughout a good portion of 2017. This occurred on low volume, so the move looked like an orderly base rather than a major sell-off. A steep drop on Feb. 23, 2017, was the result of the company offering new common shares. This diluted the price of existing shares. Investors were watching to see if the stock would

remain resilient by breaking out of its base, and sure enough, the stock broke out in October 2017. After moving sideways for several months, the stock ticked up again in the final trading days of 2017, peaking at over \$5.50 per share in January 2018 before declining sharply during the broad sell-off to current levels around \$3.26.

Cloud Peak is focused primarily on the United States Powder River Basin, but it also has operations in other regions. Earnings growth is expected to slow for the next three years, so this would be a contrarian play. If you think deregulation will turn the coal industry around, the declines in the stock over recent years could make it look like a bargain. Cloud Peak owns or controls 1.1 billion tons of reserves that are either proven or probable. It is developing projects in Wyoming and southern Montana, and it owns surface mines in both of those states.

The company posted rising revenues and positive operating income over the second and third quarters of 2017, although revenue ticked down sequentially and operating income was negative for the period ending Dec. 31, 2017. Investing in this stock would be done on the basis of expecting a resurgence in coal prices and further easing of regulations on the coal industry. Cloud Peak's market cap is \$229.335 million, making it the smallest company on our list. It does not pay a dividend at this time. (For more, see: Coal Firms Plead to Courts, Trump for West Coast Export Terminals.)

- Average Volume: 1,144,306
- Market Cap: \$229.335 million
- P/E Ratio (TTM): N/A
- EPS (TTM): -\$0.09
- Dividend and Yield: N/A (N/A)



BHP BILLITON LIMITED (BHP)

BHP Billiton is a major miner of copper, iron and coal. It also works in the areas of silver, lead, zinc, uranium and gold. The advantage with this stock is that it does not rely exclusively on coal, so it is less likely to suffer if the coal market takes a downturn. In other words, this is not a pure coal play, but it offers the protection of a diversified product portfolio.

BHP Billiton stock began rising in late June 2017, and after some volatility, it posted strong gains into year end. After the share price fluctuated along with the overall markets in February and March, the 50-day moving average remains above the 200-day moving average, which indicates that the stock may have some upside potential. Revenues, gross profit and operating income have been dropping for the past three years. On April 5, 2017, BHP Billiton declared force majeure for its Australian operations, meaning it could not fulfill contracts because the railways were inoperable due to a tropical cyclone. A six-week strike at the company's Escondida plant also hurt production.

However, BHP Billiton has extensive holdings across Australia, the Gulf of Mexico, and Trinidad and Tobago. The likelihood of any single event causing the company serious harm is very low. The company has a market capitalization of \$115.18 billion. (See also: Beyond Gold: Top Picks in Industrial Metals.)

- Average Volume: 3,043,795
- Market Cap: \$115.18 billion
- P/E Ratio (TTM): 24.77
- EPS (TTM): \$1.76
- Dividend and Yield: N/A (N/A)

RIO TINTO PLC (RIO)

Rio Tinto is another company that mines other mineral resources besides coal. Its coal mines serve both the thermal (heating) and metallurgical (steel-making) industries. Like BHP, the diversity of products helps protect Rio Tinto from fluctuations in coal prices. The company explores worldwide for minerals and metals. It also processes aluminum, copper, diamonds, gold, iron and uranium.

The stock price dropped significantly in mid-February 2017, but after reaching a low in June, it began moving in an uptrend. After the 50-day moving average nearly converged with the 200-day moving average around the time of the June low, the short-term moving average is once again well above its long-term counterpart, which suggests that there could be more upside in store for the stock. Similar to its peers, Rio Tinto posted strong gains into the beginning of 2018 but then declined along with the broader market.

For investors seeking longevity, it is important to note that Rio Tinto dates back to 1873. Although it is based in London, the company has announced a major project in Western Australia that will create more than 1,000 jobs. Its Silvergrass iron ore mine in that region also saw increasing activity in 2017. In April 2017, Rio Tinto learned that the Australian Taxation Office determined that the company owes an additional \$447 million for the years 2010 to 2013. The company has disputed the amount. Rio Tinto is also subject to recent allegations in the U.S. from the Securities and Exchange Commission (SEC) regarding inadequate accounting and reporting procedures. (See also: SEC Charges Rio Tinto With Fraud.)

- Average Volume: 3,286,754
- Market Cap: \$85.105 billion
- P/E Ratio (TTM): 10.38
- EPS (TTM): \$4.87
- Dividend and Yield: \$2.20 (4.27%)

SOUTH32 LIMITED (SOUHY)

Previously called BHP Coal Holdings, South32 was a part of BHP but now operates independently. The company mines other products besides coal, but it does provide coal to both the thermal coal and metallurgical coal industries. The stock began a steady uptrend in mid-2016, but it entered a sideways price consolidation in 2017. It broke upward out of that base in July, and after a strong performance in December and declines along with the broader market in February, the stock looks like it has some additional upside potential.

This company operates in Australia, South America and South Africa. It produces aluminum, coal, manganese, silver, lead and zinc. South 32 currently has a market cap of \$12.697 billion. Average daily volume is only 48,432, so this stock may not be as liquid as larger stocks. (For more, see: Understanding Liquidity Risk.)

- Average Volume: 48,432
- Market Cap: \$12.697 billion
- P/E Ratio (TTM): 11.52
- EPS (TTM): \$1.09
- Dividend and Yield: \$0.73 (5.70%)

THE BOTTOM LINE

This is a sector that may be overlooked. However, these four stocks could do well in 2018. When following these companies, it is important to monitor not only coal, but also the other minerals that the companies work with. Since these companies are not pure coal miners, checking the price of a basket of minerals could serve better than simply checking coal pricing.

In addition, investors should continue to monitor quarterly reports to see if any downtrend occurs in revenues or operating income. If a slip in those figures does develop, this could be an indication that the stocks are about to move downward.



World News: **INDONESIA**



RIO TINTO AGREES SALE OF KESTREL MINE TO EMR AND ADARO FOR \$2.25 BILLION

Rio Tinto has entered into a binding agreement with a consortium comprising private equity manager EMR Capital (EMR) and PT Adaro Energy Tbk (Adaro), an Indonesian listed coal company, for the sale of its entire 80 per cent interest in the Kestrel underground coal mine in Queensland, Australia, for \$2.25 billion.

Rio Tinto chief executive J-S Jacques said “The sale of Kestrel, together with the announced divestments of Hail Creek and our undeveloped coal projects, delivers exceptional value to our shareholders and will leave our portfolio stronger and more focused on delivering the highest returns

through targeted allocation of capital.

“I would like to thank the many people at Rio Tinto and the communities where we operate, whose hard work and commitment has contributed to the success of the coal business over many years. I wish them continued success under new ownership.”

The transaction is subject to customary conditions precedent being satisfied, including the receipt of regulatory approvals from Australia’s Foreign Investment Review Board and the Queensland Government.

Subject to all regulatory ap-

provals and other conditions precedent being satisfied, completion is expected to occur in the second half of 2018. It will bring the total amount achieved from the recent divestments of Rio Tinto’s Queensland coal assets to \$4.15 billion, with the funds to be used for general corporate purposes.

Rio Tinto anticipates that Australian income tax will be payable on sale proceeds which are in excess of the cost base of the assets at completion. The currently estimated tax payable is in the order of \$0.5 billion, however the quantum of tax payable will depend on the final proceeds (after taking into account working capi-

tal adjustments), the tax cost base at completion and the total of capital gains and losses realised by the Rio Tinto Australian tax consolidated group at 31 December 2018.

ABOUT THE ASSET*

The Kestrel mine is located in the Bowen Basin, 40km north-east of Emerald in central Queensland, Australia. Kestrel employs longwall mining to produce high quality coking and thermal coal products for export markets.

In 2017 the Kestrel mine produced 5.1 million tonnes of saleable coal, comprising 4.25 million tonnes of hard coking coal and 0.84 million tonnes of thermal coal. At 31 December 2017, Rio Tinto reported marketable reserves for Kestrel of 146 million tonnes and mineral resources of 241 million tonnes.

In 2017 Kestrel generated EBITDA of \$341 million and profit before tax of \$258 million, being Rio Tinto's attributable share. Rio Tinto's share of gross assets at 31 December 2017 was \$1,441 million.

*Note – production, ore reserves and mineral resources:

Production, marketable reserves and mineral resources tonnages are shown on a 100 per cent basis.

The estimate of total marketable reserves for Kestrel was reported on page 228 of the Rio Tinto 2017 Annual Report, released to the market on 2 March 2018 and available on www.riotinto.com.

The Competent Persons responsible for this reserve estimate were Dr Richard Ruddock AusIMM and Mr Lawrence Simmonds AusIMM.

The estimate of mineral resources for Kestrel was reported to the market on page 234 of the Rio Tinto 2017 Annual Report, released to the market on 2 March 2018 and available on www.riotinto.com.

The Competent Person responsible for this resource estimate was Dr Richard Ruddock AusIMM.

Rio Tinto is not aware of any new information or data that materially affects the above estimates as reported in the 2017 Annual Report and confirms that all material assumptions and technical parameters underpinning these estimates continue to apply and have not materially changed.

The form and context in which each Competent Person's findings are presented have not been materially modified.



“Mining With Purpose”

(618)-643-5500

McLeansboro, IL 62859

www.whiteoakresources.com

Current National Coal Transportation Association Members

A. Stucki Company
AKJ Industries
Alliance Coal, LLC
Alliant Energy
Alltranstek LLC
Alpha Natural Resources
Alpha Products Incorporated
AmerenEnergy Services
American Electric Power
American Railcar Industries, Inc.
Amsted Rail
Arch Coal Sales Company, Inc.
Arizona Electric Power Coop. Inc.
Arizona Public Service Company
Arkansas Electric Cooperative Corp
Appalachian Railcar Services, Inc.
Associated Electric Coop., Inc.
Associated Terminals

Basin Electric Power Cooperative
Benetech, Incorporated
Bosch Rexroth Corp.

CANAC, Inc.
CDG Engineers, Architects,
Planners
CIT Rail Resources
City Utilities of Springfield

Cleco Corporation
Cloud Peak Energy
Colorado Springs Utilities
CONSOL Energy, Inc.
Consumers Energy Company
Cooper T. Smith
CPS Energy
Crown Products

Dairyland Power Cooperative
David J. Joseph Company
Dayton Power & Light Company
Detroit Edison
Drummond Coal Sales Inc.
Duke Energy
Dynegy Marketing and Trade

Ecofab Australiasia
Ellcon-National, Inc.
The Empire District Electric Co.
Energy Publishing, Inc.
Enserco Energy
Entergy Services, Inc.
Excel Rail Management LLC
Exelon Generation Company
Exponent, Inc.

FirstEnergy Corporation
Flagship Rail Services, LLC

Florida Power & Light Co.
FreightCar America

GATX Rail
Global Barrier Coatings
Global One Transport, Inc
Global Coal Sales
Grand River Dam Authority
Great River Energy
The Greenbrier Companies

Hall St. Coal Terminal
Helm Financial Corporation
Hendricks River Logistics
Heyl & Patterson

Idaho Power Company
iIRX

Jim Walter Resources, Inc.

Kansas City Power & Light
Company
Kiewit Mining Group, Inc.
Kinder Morgan Terminals, Inc.
Koch Carbon, Inc.

Lexair, Inc.
Locomotive Service, Inc.
Lower Colorado River Authority

Amsted Rail



Current National Coal Transportation Association Members

Luminant

Macquarie Rail, Inc.
Martin Engineering
Maxeefish LLC
MEAG Power
Metro East Industries
MidAmerican Energy Co.
Midland Railway Supply
Midwest Generation, LLC
Midwest Industrial Supply, Inc.
Miner Enterprises Inc.
Minnesota Power
Mitsui Rail Capital, LLC
Momar Incorporated
Muscatine Power & Water

Nalco Company
Nebraska Public Power District
Newmont Mining Corporation
New York Air Brake
Northern Indiana Public Service Company
Norwest Corporation
NRG Energy, Inc.
NV Energy

Oglethorpe Power Corp.
Oklahoma Gas & Electric Co.
Omaha Public Power District
Ontario Power Generation Inc.

Otter Tail Power Company

PacifiCorp
Patriot Coal Corporation
Peabody COALSALES Co.
Pincock Allen & Holt
Platte River Power Authority
Portland General Electric Company
PPL EnergyPlus, LLC
Precision Roller Bearing Company
Progress Rail Services, Inc.

QMASTOR Limited

Rail Link, Inc.
Railroad Financial Corporation
RAS Data Services
RESIDCO
Rhino Energy, LLC

Salt River Project
St. James Stevedoring Partners, LLC
Seminole Electric Cooperative Inc.
Southern Company Services
Standard Steel
Strato Inc.
Strategic Rail Systems
Structural Composites of Indiana, Inc.

Taggart Global, LLC

Tampa Electric Company
Teck Coal Limited
Tennessee Valley Authority
Texas Municipal Power Agency
The Timken Company
T. Parker Host
Transportation Services Inc
TrinityRail
Tri-State Generation and Transmission Association
TUCO/NexGen Services
Tucson Electric Power Company

UtahAmerica Energy

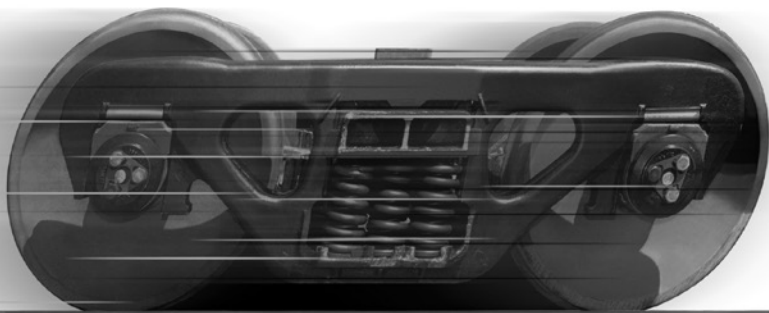
Wabtec Corporation
We Energies
Westar Energy, Inc.
Western Farmers Electric Coop.
Western Fuels Association, Inc.
WestRail
Westmoreland Coal Sales Company
White Energy Coal North America, Inc.
Wisconsin Public Service Corp.
Wood MacKenzie

Xcel Energy
Xcoal Energy & Resources

Zinkan Enterprises, Inc.

Below the deck...we're a cut above.

- Truck systems
- Side frames
- Bolsters
- Constant contact side bearings
- Couplers
- Draft sills
- Coil springs
- Center plates
- Draft gears
- Bearing adapters
- Cushioning units
 - End-of-car
 - Center-of-car
- Wheels, curved-plate, heat-treated
- Roller bearings



Amsted Rail

200 W. Monroe Street • Chicago, IL 60606 • (312) 853-5680 • amstedrail.com

Current American Coal Council Members

- ADA Environmental Solutions, Inc.
 AEP River Operations
 AEP/Cook Coal Terminal
 AKJ Industries
 Alliance Coal, LLC
 Alliant Energy
 Alpha Coal Sales Co. LLC
 ALSTOM Power
 Ameren Energy Fuels & Services Co.
 American Electric Power
 Arch Coal, Inc.
 Argus Media, Inc.
 Arizona Public Service
 Armstrong Coal
 ASGCO

 B & W Resources, Inc.
 Benetech, Inc
 Black & Veatch
 BNSF Railway
 Boral Material Technologies
 Buchanan Ingersoll & Rooney
 Bunge

 Canal Barge Company Inc
 Carbon Partners
 Cargill, Incorporated
 Central Coal Company
 Charah, Inc.
 Chevron Mining
 Cloud Peak Energy
 CME Group
 Coal Marketing Company (USA) Inc.
 Coal Network, Inc
 Colorado Springs Utilities
 CONSOL Energy, Inc.
 Constellation Energy
 Crouse Corp
 CSX Transportation

 Dairyland Power Cooperative
 David J. Joseph Company
 Dayton Power & Light Company
 Dominion Energy
 Dominion Generation
 Drummond Company, Inc.
 Duke Energy

 DTE Energy Coal Services
 Dynegy

 East Side River Transportation
 Eagle River Coal, LLC
 Energy Ventures Analysis, Inc.
 Enserco-Black Hills Power
 Entergy
 Environmental Energy Services, Inc.
 Ernst & Young
 Evolution Markets LLC

 FirstEnergy

 Florida Marine Transporters
 Foresight Energy, LLC
 FreightCar America
 Fuel Tech, Inc.

 Genscape
 Glencore Ltd.
 Glenview Capital
 Golder Associates Inc.
 Great River Energy
 Green River Collieries, LLC

 Hallador Energy Company
 Headwaters Energy Services
 Hellerworx, Inc.
 Helm Financial Corporation
 Holcim (US) Inc.

 ICAP United, Inc.
 Ingram Barge Company
 IntercontinentalExchange
 Integrity Coal Sales Inc.
 Interlake Steamship Company

 James River Coal Co
 James River Coal Sales, Inc.
 JM Energy Advisors, LLC
 JMP Coal Holdings, LLC
 John T Boyd Company

 Kansas City Southern Railway
 KCBX Terminals Company
 Kiewit Mining Group
 Kinder Morgan Terminals
 Kirby Ocean Transport Company
 Koch Carbon, LLC
 Koehler-Bright Star, LLC

 L & L Energy, Inc.
 LGE-KU Services Co.
 Lower Colorado River Authority
 Luminant Energy

 MacArthur Energy
 Marquette Transportation Company
 Martin Engineering
 McGuireWoods LLP
 Mercuria Energy Trading, Inc.
 Metro Ports
 MidAmerican Energy Company
 Midwest Generation EME
 Minnesota Power
 MinTech Enterprises
 Montana Rail Link, Inc.
 MRT, a CEMEX Company
 Murray Energy Corporation

 NexGen Coal Services, Ltd.
 Norfolk Southern Corporation
 Norwest Corporation
 Novinda Corporation
 NRG Energy, Inc.
 Nucor Corporation

 Oglethorpe Power Corp
 Omaha Public Power District

 Patriot Coal Corporation
 Peabody Energy
 Pevier Coal Sales Co., Inc.
 Pincock, Allen & Holt
 Platte River Power Authority
 Platts
 Portland General Electric
 PPL EnergyPlus, LLC
 PricewaterhouseCoopers LLP
 Progress Energy
 PSEG Energy Resources & Trading

 Rhino Energy LLC
 Richwood
 River Basin Energy
 River Trading Company, LTD
 Roberts & Schaefer Company
 RWE Trading Americas Inc

 Saint Consulting
 Salt River Project
 Sampling Associates International
 Savage Services, Inc.
 SCANA Corporation
 SCH Terminal Co.
 Separation Technologies
 SGS Mineral Services
 SNL Energy
 Southern Company
 Standard Laboratories, Inc.
 Starfuels, Inc.
 Storm Technologies, Inc.

 Taggart Global, LLC
 Tampa Electric Company
 TECO Coal Corp
 Tennessee Valley Authority (TVA)
 Trayport Inc.
 Trafigura AG
 Traxys North America
 Tucson Electric Power Company

 Union Pacific Railroad Company
 United Maritime Group
 United Bulk Terminals
 Usibelli Coal Mine, Inc.

 Vitol

 We Energies
 Westar Energy
 Westmoreland Coal
 White Energy Coal North America Inc.
 White Oak Resources, LLC
 Wisconsin Public Service Corporation
 Wood Mackenzie

 Xcel Energy
 Xcoal Energy & Resources

Current American Coal Ash Association Members

UTILITY MEMBERS (39)

AES Corporation
 Ameron Energy
 American Electric Power (AEP)
 Aurora Energy, LLC
 Basin Electric Power Cooperative
 Colorado Springs Utilities
 Colstrip Energy Limited Partnership
 Consumers Energy
 Dairyland Power Cooperative
 Dominion
 DTE Energy
 Duke Energy
 FirstEnergy Corp.
 Great River Energy
 JEA (formerly Jacksonville Electric Authority)
 Kansas City Power & Light
 LG&E and KU Services Company (formerly E.ON U.S.)
 Lower Colorado River Authority
 Midwest Generation LLC
 Montana-Dakota Utilities Co.
 Muscatine Power & Water
 Nebraska Public Power District
 Platte River Power Authority
 PPL Generation, LLC
 Public Service Company of New Hampshire
 Public Service Enterprise Group (PSEG)
 Raven Power
 Santee Cooper
 South Carolina Electric & Gas Company
 Southern Company
 Southern Illinois Power Cooperative
 Sunflower Electric Power Coop
 Tampa Electric Company
 Tennessee Valley Authority
 Tri-State Transmission & Generation Association, Inc.
 WE Energies
 Wisconsin Public Service
 Wolverine Power Supply Coop
 Xcel Energy

MARKETER MEMBERS (16)

ASHCOR Technologies Ltd
 Ash Grove Resources LLC
 Boral Material Technologies Inc.
 Charah Environmental
 Headwaters Resources
 Holcim (US) Inc.
 Kansas City Fly Ash LLC
 Lafarge - NA
 MRT - A CEMEX Company
 Nebraska Ash
 Salt River Materials
 Separation Technologies LLC
 The SEFA Group
 Trans Ash
 VHSC Cement, LLC
 Waste Management

SPECIALTY MARKETERS (13)

Beneficial Reuse Management
 Eagle Environmental Services, LLC
 Lehigh Cement
 McDonald Farms Enterprises, Inc.
 Mobile Abrasives, Inc.
 Romano Associates
 Pozzi-Tech, Inc.
 Reed Minerals (Harsco)
 Sphere One, Inc.
 Synthetic Materials (SYNMAT)
 U.S. Minerals
 USC Technologies
 USNR Energy Services

ASSOCIATE MEMBERS (67)

ADA Environmental Solutions
 Advanced Wall Technologies, LLC
 AECOM
 Agru America, Inc.
 American Gypsum Company
 Clean Earth Dredging Technologies, LLC
 CalStar Products
 Carmeuse Lime & Stone
 CeraTech, Inc.
 CETCO
 CH2M Hill
 Civil & Environmental Consultants, Inc.
 Conestoga-Rovers & Associates
 Consolidated Terminals and Logistics Co.
 DiGioia Gray and Associates, LLC
 Draper Aden Associates
 DustMaster Enviro Systems
 Dynastone
 EnergySolutions
 Fiore & Sons, Inc.
 Flashfill Services, LLC
 FLSmidth, Inc.
 GAI Consultants, Inc.
 GEI Consultants, Inc.
 Georgia-Pacific Gypsum, LLC
 Geosyntec Consultants
 Golder Associates
 Gradient
 GSE Lining Technology, LLC
 Haley & Aldrich, Inc.
 Haver Filling Systems, Inc.
 HDR Engineering
 Hilltop Enterprises, Inc.
 Hull & Associates, Inc.
 Joyce Engineering
 LB Industrial Systems
 Lhoist North America (formerly Chemical Lime Company)
 Magaldi Power SpA
 Maxxon Corporation
 Mississippi Lime Company
 National Gypsum Company
 Natural Resource Technology, Inc.
 Novinda Corp
 Parsons

Phillips and Jordan, Inc.
 Pinnacle Design/Build Group, Inc.
 PMI Ash Technologies, LLC
 Prairie State Generating Company
 River Consulting
 Rogers, Townsend & Thomas, PC
 S&ME, Inc.
 Saiia Construction Company, LLC
 Schiff Hardin LLP
 Silar Services, Inc.
 Son-Haul, Inc.
 Stantec Consulting Services, Inc.
 Temple-Inland Inc.
 Terracon Consultants, Inc.
 TestAmerica Laboratories, Inc.
 The Ohio State University
 TransWood Carriers, Inc.
 United States Gypsum Company
 University of Kentucky - CAER
 University of Wyoming - Western Research Institute
 URS Corporation

INDIVIDUAL MEMBERS (10)

Dawn Santoianni, Tau Technical Communications, LLC
 W. Lee Daniels, VA Tech Foundation
 David Goss, DCGoss Consulting, LLC
 Ross Guenther, Ceramext, LLC
 Kris Johnson, Aspen Gold Consulting
 Paul Koziar, Paul Koziar Consulting
 Cheri Miller, Gypsum Parameters
 Ishwar P. Murarka, Ish Inc.
 Don Saylak, Professor Emeritus, TAMU
 John Ward, John Ward Inc.

HONORARY MEMBERS (19)

Allen Babcock
 Dale Baker
 Claude Brown
 Jim Burnell
 Craig Cain
 John H. Faber
 Dean Golden
 David J. Hassett
 Howard Humphrey
 Gary Jablonski
 Dennis Jones
 Oscar Manz
 James Merkel
 Dr. Tarun Naik
 James Plumb
 Joseph Pound
 Simons Prins
 Robert Styron
 Jim Weeks

NON-UTILITY CCP PRODUCER MEMBERS (2)

Alcoa Generating Corporation
 Electric Energy, Inc.

Current RMEL Members

ABB, Inc.	CoBank	Hawkeye Helicopter LLC
ABCO Industrial Sales, Inc.	Colorado Energy Management, LLC	HDR, Inc.
ADA-ES, Inc.	Colorado Powerline, Inc.	High Energy Inc. (HEI)
Advanced Motor Controls	Colorado Public Utilities	Highline Electric Assn.
Alexander Publications	Commission	Hitachi Power Systems America,
Alstom Power	Colorado Rural Electric Association	Ltd
Altec Industries, Inc.	Colorado Springs Utilities	Holy Cross Energy
AMEC	Colorado State University	Homer Electric Association, Inc.
American Coal Council	Commonwealth Associates, Inc.	Howard Electric Cooperative
AREVA Solar Inc.	ComRent	Hubbell Power Systems
Arizona Electric Power Cooperative,	Continental Divide Electric	Hughes Brothers, Inc.
Inc.	Cooperative	
Arizona Electrical Apparatus	Cooling Tower Depot	IBEW, Local Union 111
Arizona Public Service	Corporate Risk Solutions, Inc.	IMCORP
Arkansas River Power Authority	County of Los Alamos Dept. of	Independence Power & Light
Asplundh Tree Expert Co.	Public Utilities	Industrial Cooling Solutions
Associated Electric Cooperative,	CPS Energy	Intercounty Electric Coop
Inc.		Association
ATCO Emissions Management	Delta Montrose Electric Assn.	Intermountain Rural Electric Assn.
Austin Energy	DIS-TRAN Packaged Substations,	ION Consulting
AZCO INC.	LLC	Irby
	Dowdy Recruiting LLC	Irwin Industries, Inc.- Power Plant
		Services
Babcock & Wilcox Company	E & T Equipment, LLC	
Babcock Power, Inc.	E3 Consulting	J.L. Hermon & Associates, Inc.
Basin Electric Power Cooperative	El Paso Electric Company	
Beta Engineering	Electrical Consultants, Inc.	Kahuna Ventures, LLC
Black & Veatch Corp.	Emerson Process Management	Kansas City Board of Public Utilities
Black Hills Corporation	Empire Electric Association, Inc.	KD Johnson, Inc.
Black Hills Electric Cooperative	Encompass Energy Services LLC	Kiewit
BMT Acquisition, LLC	Energy & Resource Consulting	Kit Carson Electric Cooperative
Boilermakers Local #101	Group, LLC	Kleinfelder
Boone Electric Cooperative	Energy Reps	Klondyke Construction LLC
Border States Electric	Equal Electric, Inc.	
Bowman Consulting Group	ESC engineering	La Junta Municipal Utilities
Brand Energy & Infrastructure	Estes Park Light & Power Dept.	La Plata Electric Association, Inc.
Services	Exponential Engineering Company	Lake Region Electric Coop Inc.
Brooks Manufacturing Company		Lamar Utilities Board
Burns & McDonnell	Foothills Energy Services Inc.	Laminated Wood Systems, Inc.
Butler Public Power District	Fort Collins Utilities	Las Animas Municipal Light &
	Foster Wheeler	Power
	Fuel Tech, Inc.	Lauren Engineers & Constructors
C.I.Agent Solutions		LEADERSHIP A Business
Carbon Power & Light, Inc.	Gallup Joint Utilities	Imperative, Inc.
Casey Industrial, Inc.	GE Power & Water	Lewis Associates, Inc.
CB&I	Golder Associates, Inc.	Lincoln Electric System
CBS Arc Safe	Grand Island Utilities	Llewellyn Consulting
Center Electric Light & Power	Grand Valley Rural Power Lines,	Longmont Power and
System	Inc.	Communications
CH2M HILL	Great Southwestern Construction,	Loup River Public Power District
Chimney Rock Public Power District	Inc.	Loveland Water & Power
City of Alliance Electric Department	Gunnison County Electric	Luminate, LLC
City of Aztec Electric Department	Association, Inc.	
City of Cody		Magna IV Engineering Inc.
City of Farmington	Hamilton Associates, Inc.	Marsulex Environmental
City of Fountain	Hamon Research - Cottrell	Technologies
City of Gillette	Harris Group, Inc.	Missouri River Energy Services
City of Glenwood Springs	Hartigan Power Equipment	Mitsubishi Power Systems
City of Imperial	Company	Americas, Inc.
City of Yuma		
Co-Mo Electric Cooperative		

SCANTECH

Process control specialists

On-line Real Time Analysis for Process Control

- Coal
- Coke
- Iron Ore
- Industrial minerals
- and many others

Over 850
units installed
in 51 countries

Contact us for advice:
Tel: +61 7 3710 8400
Fax: +61 7 3710 8499
www.scantech.com.au
sales@scantech.com.au

COALSCAN



COALSCAN

THROUGH BELT
ELEMENTAL
ANALYSER



CM 100

COKE MOISTURE
MONITOR



TBM 200 SERIES

MICROWAVE
MOISTURE
MONITOR



CTLIC

CONSOLIDATED TERMINALS AND LOGISTICS CO.

Invest with the **BEST**

CTLIC for your **inbound** and **outbound** **COAL SHIPMENTS**

Contact: **Tom Torretti** - P: 314.835.9332 - Email: Tom.Torretti@cgb.com A Division of **LCB** Enterprises, Inc.

www.ctlconline.com

Current RMEL Members

- Morgan County Rural Electric Assn.
 Mountain Parks Electric, Inc.
 Mountain States Utility Sales
 Mountain View Electric Assn.
 Mycoff, Fry & Prouse LLC
- NAES Corp.
 Navigant
 Navopache Electric Cooperative, Inc.
 Nebraska Public Power District
 NEI Electric Power Engineering, Inc.
 New Mexico State University
 Nol-Tec Systems, Inc.
 Nooter/Eriksen, Inc.
 Norris Public Power District
 North Platte Light & Power
 Northeast Community College
 Northwest Rural Public Power District
 Novinda Corporation
 NRG Reliability Solutions LLC
 NV Energy
- O I C Outage
 Omaha Public Power District
 Omnicon Technical Sales
 Osmose Utilities Services, Inc.
 Otero County Electric Cooperative
- PacifiCorp
 Panhandle Rural Electric Membership Assn.
 PAR Electrical Contractors, Inc.
 PCS Mobile
 Peterson Co.
 Pike Electric, LLC
 Pine Valley Power, Inc.
 Pioneer Electric Cooperative, Inc.
 Pipefitters Local Union #208
 Platte River Power Authority
 PNM Resources
 Poudre Valley Rural Electric Assn.
 Power & Industrial Services Corp
 POWER Engineers, Inc.
 Power Equipment Specialists, Inc.
 Power Pole Inspections
 Power Product Services
 PowerQuip Corporation
 Precision Resource Company
 Provo City Power
- Quanta Services
- REC Associates
 Reliability Management Group (RMG)
 Reliable Power Consultants, Inc.
- Rkneal, Inc.
 Sabre Tubular Structures
 Safety One Inc.
 SAIC
 San Isabel Electric Assn.
 San Luis Valley Rural Electric Cooperative
 San Marcos Electric Utility
 San Miguel Power Assn.
 Sangre De Cristo Electric Assn.
 Sargent & Lundy
 Savage Services Corporation
 Scientech
 Sega Inc.
 Siemens Energy Inc.
 Sierra Electric Cooperative, Inc.
 Sierra Southwest Cooperative Services, Inc.
 SNC-Lavalin Constructors Inc.
 Solomon Associates
 South Central PPD
 Southeast Colorado Power Assn.
 Southeast Community College
 Southern Pioneer Electric Company
 Southwest Energy Systems LLC
 Southwest Generation
 Southwest Transmission Cooperative, Inc.
 Southwestern Power Administration
 Southwire Company
 SPIDAWeb LLC
 Springfield Municipal Light & Power
 SPX Cooling Technologies
 SPX Transformer Solutions, Inc.
 SRP
 St. George Energy Services Department
 Stanley Consultants, Inc.
 STEAG Energy Services LLC
 Storm Technologies Inc.
 STRUCTURAL
 Sturgeon Electric Co., Inc.
 Sulphur Springs Valley Electric Cooperative
 Sundt Construction
 Sunflower Electric Power Corporation
 Switchgear Solutions, Inc.
- T & R Electric Supply Co., Inc.
 Technically Speaking, Inc.
 TestAmerica Laboratories, Inc.
 The Empire District Electric Company
 The Louis Berger Group
 Thomas & Betts Steel Structures Division
- Thomas & Betts, Utility
 Total-Western, Inc.
 Towill, Inc.
 Trachte, Inc. "Buildings & Shelters"
 Trans American Power Products, Inc.
 Transmission & Distribution Services, LLC
 TRC Engineers, Inc.
 Trees Inc
 Tri-State Generation and Transmission Assn.
 Trimble
 Trinidad Municipal Light & Power
- U.S. Water Services
 UC Synergetic
 Ulteig Engineers, Inc.
 United Power, Inc.
 Universal Field Services Inc.
 University of Idaho Utility Executive Course College of Business and Economics
 UNS Energy Corporation
 URS Energy & Construction Inc.
- Victaulic
- Wärtsilä North America, Inc.
 Wazee Companies LLC
 WESCO
 Westar Energy
 Western Area Power Administration
 Western Line Constructors Chapter, Inc. NECA
 Western Nebraska Community College
 Western United Electric Supply
 Westinghouse Electric Company
 Westwood Professional Services
 Wheat Belt Public Power District
 Wheatland Electric Cooperative
 Wheatland Rural Electric Assn.
 White River Electric Assn., Inc.
 White River Valley Electric Cooperative
 WHPacific, Inc.
 Willbros Engineers
 William W. Rutherford & Associates
 Wyrulec Company
- Xcel Energy
- Y-W Electric Association, Inc.
 Yampa Valley Electric Association, Inc.
- Zachry Holdings, Inc.

Member Spotlights



AKJ INDUSTRIES, INC.

Contact: James Marcum
10175 Six Mile Cypress Pkwy Unit 1
Phone: 239-939-1696
Fax: 239-939-2173
Website: www.akjindustries.com
Email: jimm@akjindustries.com
Categories: Chemicals, Dust Control, Liquid Solid Separation, Freeze Protection



PHOENIX PROCESS EQUIPMENT CO.

Contact: John Waugh
2402 Watterson Trail
Phone: 502-499-6198
Fax: 502-499-1079
Website: www.dewater.com
Email: phoenix@dewater.com
Categories: Filters, Dewatering Equipment



STRATO, INC.

100 New England Avenue, Piscataway, NJ 08854
Phone: 800-792-0500
Fax: 800-378-7286
Website: www.stratoinc.com
Email: customerservice@stratoinc.com



HOWDEN NORTH AMERICA

7909 Parklane Rd., Columbia, SC 29209
Phone: 800.327.8885
Website: howden.com
Email: sales@howdenbuffalo.com



FORD STEEL COMPANY

Contact: Phil Cady
PO Box 54
2475 Rock Island Blvd.
St. Louis, MO 63043 USA
Mobile: 314-578-0205
Email: pcady@fordsteel.com
Category: Abrasion Resistant Materials



ASGCO " COMPLETE CONVEYOR SOLUTIONS"

Contact: Aaron Gibbs
301 Gordon Street, Allentown, PA 18102
Phone: 610-821-0216
Fax: 610-778-8991
Website: www.asgco.com
Email: info@asgco.com
Categories: Coal Support Services



PENN LINE SERVICE, INC.

Contact: Don Dillinger
300 Scottdale Avenue, Scottdale, PA 15683
Phone: 724-887-9110
Fax: 724-887-2151
Website: www.pennline.com
Email: don@pennline.com



HARDSTEEL, INC.

Address: 702 Bear Creek Cutoff Road
Tuscaloosa, AL 35405
Phone: 205.343.9100
Fax: 205.343.0073
Website: www.hardsteel.com
Email: info@HardSteel.net
Categories: Abrasion Resistant Materials/Services



SUPERIOR INDUSTRIES

Contact: Corey Poppe
315 East State Hwy 28 PO Box 684
Morris, MN
320-589-2406
320-585-5644 Fax
Website: www.superior-ind.com
Email: corey.poppe@superior-ind.com
Categories: Fans, Material Handling, Ash Handling Systems

TRAXYS NORTH AMERICA

Contact: Matt Reed
PO Box 308 Ceredo WV 25507
Phone: 304-781-6618
Fax: 304-453-6917
Website: www.traxys.com
Email: matt_reed@traxys.com

FIRST ENERGY SOLUTIONS

Contact: Mark Fraley
341 White Pond Dr, Akron, OH 44320
Phone: 330-315-6767
Fax: 330-436-1916
Website: www.firstenergycorp.com
Email: fraley@firstenergycorp.com
Categories: Coal Consumers

INDUSTRY EVENTS

NATIONAL COAL TRANSPORTATION ASSOCIATION

APRIL 23-25, 2018

Spring Conference
Hammock Beach Resort, Palm
Coast, Florida

JUNE 11-13, 2018

Operations and Maintenance
Conference
Marriott at Vanderbilt University,
Nashville, Tennessee

JULY 31, 2018

NCTA Scholarship Application
Deadline

FALL 2018

NCTA Scholarship Awards
David Laffere Scholarship
Three Member's Children
Scholarships

SEPTEMBER 10-12, 2018

Forty-Fourth Annual Business
Meeting and General Conference
Omni Interlocken Resort,
Broomfield, Colorado

MSHA

JUNE 4-8, 2018

Northern Regional Mine Rescue
Contest

RMEL

MAY 20-22, 2018

2018 Spring Management,
Engineering & Operations
Conference
Keystone, Colorado

JUNE 6-7, 2018

Transmission Resiliency, Response
and Restoration Symposium
Austin, Texas

JUNE 13-14, 2018

Effective Teams and Myers Briggs
Workshop

Lone Tree, Colorado

JUNE 27, 2018

2018 RMEL Foundation Golf
Tournament

Littleton, Colorado

AUGUST 15-16, 2018

Leadership Workshop

Lone Tree, Colorado

AUGUST 24, 2018

Safety Roundtable – August
2018

Golden, Colorado

SEPTEMBER 16-18, 2018

2018 Fall Executive Leadership
and Management Conference
San Antonio, Texas

AMERICAN COAL COUNCIL

MAY 8, 2018

Reception at the Eastern Fuel
Buyers Conference

Lake Buena Vista, Florida

AUGUST 6-8, 2018

Coal Market Strategies

Santa Ana Pueblo, NM

DECEMBER 3-4, 2018

Coal Trading Conference
New York, NY

AMERICAN COAL ASH ASSOCIATION

OCTOBER 2-3, 2018

ACAA 2018 Fall Membership
Meeting

New Orleans, LA

JANUARY 30-31, 2018

ACAA 2019 Winter
Membership Meeting

Houston, Texas

*To submit more events for publish or to include information about
your organizations calendar of events, please email [info@martonick-
publications.com](mailto:info@martonick-
publications.com) . Thank you.*



We Build... You Haul

**Experienced OEM Supplier of New Diesel
Powered Mining Equipment**



Dry Systems Technologies (DST®) introduces new 18.5 Ton Diesel Hauler to its line of OEM mobile underground supply and support vehicles. Utilizing the Cummins QSB4.5 and C8.3 engines, the new range of product haulers are available for both Permissible and Non-Permissible mining applications. Utilizing DST's patented state of the art Dry Scrubber Diesel Emissions Control Technology, these machines provide ultra clean performance removing up to 97 percent of total DPM



**Dry Systems
Technologies®**



7.5 Ton Tractor Supply Vehicle



3.5 Yard Permissible Scoop

Dry Systems Technologies

10420 Rising Court
Woodridge, Illinois 60517
(630) 427-2051

1430 U.S. Hwy. 45 N
Vienna, Illinois 62995
(618) 658-3000

3175 South 125 West
Price, UT 84501
(435) 637-0825

www.drysystemstech.com



Upcoming Issue

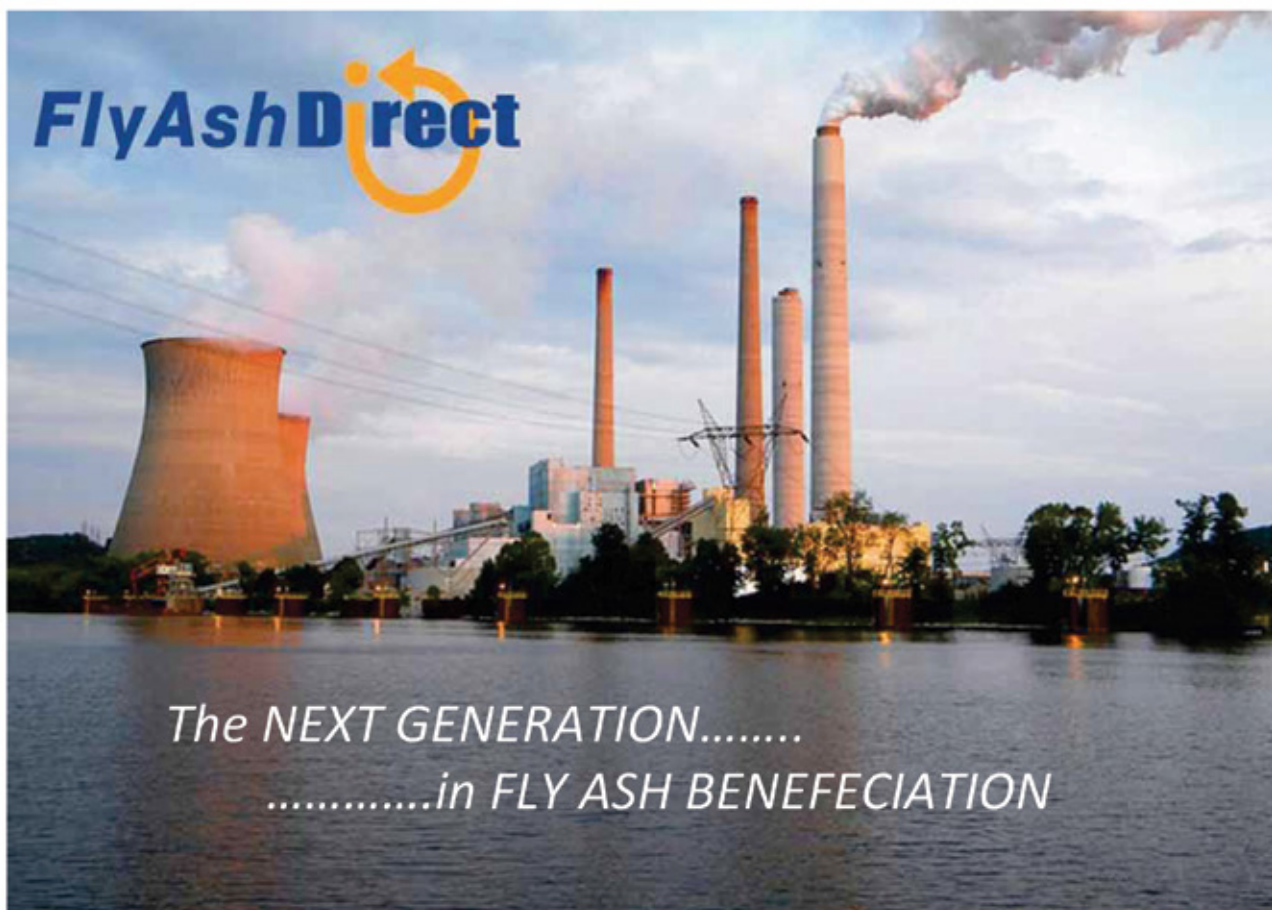
2017 MINER'S MEMORIAL
MEET ANDREW WHEELER
MEMBERSHIP DIRECTORY

Index to Advertisers

Amsted Rail	24,25,OBC	www.amstedrail.com
Borton, L.C	11	www.borton.biz
CH2M Hill	7	www.ch2mhill.com/power
Comet Industries	8	N/A
Consolidated Terminals LC	29	www.ctlconline.com
Dry Systems Technologies	33	www.drysystemstech.com
Freight Car America	19	www.freightcaramerica.com
Fly Ash Direct	IBC	www.flyashdirect.com
La Farge	15	www.lafargenorthamerica.com
Martins Engineering	18	www.martin-eng.com
McDonald Farm Enterprises, Inc	14	www.mcdonaldfarmsinc.com
Progress Rail	2	www.progressrail.com
Scantech	29	www.scantech.com.au
Son Haul Inc	9	www.son-haul.com
Utter Construction, Inc	12	www.utterconstruction.net
While Oak Resources LLC	23	www.whiteoakresources.com



FlyAshDirect



*The NEXT GENERATION.....
.....in FLY ASH BENEFECIATION*

CARBON BLOCKER™

- ✓ **PROVEN** and **PATENTED** Technology approved for use by many **State DOT** agencies
- ✓ **EXTENSIVE** field experience since 2005
- ✓ **HIGHLY EFFECTIVE** on **POWDERED ACTIVATED CARBON**
- ✓ Minimal **CAPITAL** costs and no plant interruption

*Contact FlyAshDirect's **Concrete Research Laboratory** to schedule a **FREE** comprehensive analysis of your ash. The proof is in the results.*



FlyAshDirect
866-871-9733
www.flyashdirect.com

In partnership with:

The Chemical Company



Moving the coal industry forward with lighter, longer-lasting bogie systems.

Amsted Rail® is the driving force in building the most reliable bogie assemblies in the world. Lightweight with a long wheel life, our bogies are designed to deliver increased payloads and greater equipment uptime.

Around the globe, Amsted Rail bogies consistently exceed the million-mile barrier, even in the ever-changing harsh operating climate of heavy haul freight transportation.

Amsted Rail®

Shaping the future of heavy haul rail

www.amstedrail.com | +1.312.922.4501 | 311 S. Wacker Drive, Suite 5300, Chicago, IL 60606

© 2017 Amsted Rail Company, Inc.