

coal ENERGY

Issue 4 • 2017

From the Mine to the Utility

WORLD NEWS:
SOUTH AFRICA

CORESAFETY
Yields Zero Fatalities

UPCOMING
MEMORIAL EDITION



Find Us on Facebook



coalenergyonline



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



World News:
SOUTH AFRICA **22**



table of contents

Features:

- 08 NMA: CORESAFETY participants complete 2017 with zero fatalities
- 06 Upcoming 2017 Memorial
- 10 Cloud Peak Energy to Supply New Japanese IGCC Power Plant

Departments:

- 20 Statistics: Production Surge
- 22 World News: South Africa
- 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, David Zatezalo,
Travis Snyder, Zach Smith, Andrew
Moore, Lisa Miller

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



JANUARY 2018

Dear Readers,

Welcome to Issue 4, 2017.

As we close the year, we are happy to announce coal's recent production surge. According to the US Energy Information Administration US coal production totaled an estimated 15.6 million st in the week ending December 2nd, up 8.8 percent from the year ago week. More information and statistics can be found on page 20.

An export agreement has been signed by Cloud Peak to supply Japan's new IGCC power plant. Cloud Peak announced that it has entered into a long term coal export sales agreement with JERA Trading Pte Ltd. Shipments are expected to commence as early as the end of 2019 and continue for thirty to forty months, reaching up to one million metric tons in the final contract year.

In 2017 we have sadly lost fifteen miners in the coal industry. Please stay tuned as we plan *Coal Energy's* memorial to these brave miners.

In our next issue, we will get a deeper look at Trump's recent new tariffs on solar energy.

Coal Energy presents recent press releases at a glance for the previous quarter. From financial news and product releases, to grants and awards, please email info@martonickpublications.com with any news that may be considered for publish in following issues. This editions press releases can be found starting on page 13.

Coal Energy remains 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 every issue *Coal Energy* brings you a member list for each of the main coal organizations. Whilst your company may already be listed, please remember you can

feature your company in the member spotlights section by emailing info@martonickpublications.com.

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 to serve as a 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.



At CH2M HILL, we do more than engineer, procure, and construct. We help you deliver EPC—energy to power your community.

Our global engineering, procurement, and construction professionals deliver tailored solutions to create and operate power generation facilities to produce energy from natural gas, coal, oil, and renewable resources. This experience allows us to provide services ranging from site selection and feasibility studies, through design, procurement, and construction, to commissioning and plant start-up.

CH2M HILL delivers EPC and that's energy to power your community.

Outperformance™
ch2mhill.com/power

NMA'S CORESAFETY® PARTICIPATING COMPANIES COMPLETE 2017 WITH ZERO FATALITIES

WASHINGTON, D.C. / January 2, 2018

The National Mining Association (NMA) today announced that companies participating in its CORESafety® system closed 2017 with zero fatalities.

"The CORESafety® framework is designed to drive continuous improvement in mining safety performance was born out of an industry desire to set aside competition, foster a proactive safety culture among mining companies and share best practices to protect its people," said Hal Quinn, NMA President and Chief Executive Officer. "We're seeing more and more companies certified, and this important milestone – zero fatalities – shows that the hard work that goes into implementation pays off in the most important way."

In 2011, the members of NMA came together to create CORESafety®, a risk-based safety management system whose objective is zero fatalities and a 50 percent reduction in mining's injury rate within five years of implementation. CORESafety® offers a management system approach to mine safety that has won international recognition among safety experts.

Its innovative approach departs from the conventional "top - down - one - size - fits - all" model to favor a scalable framework for operations of all sizes.

"This important achievement comes despite a regrettable increase in fatalities industrywide from 2016 to 2017. The safety progress from CORESafety® is a reminder that our commitment to mine safety never ends as we strive for continuous improvement in preventing accidents and injuries," added Quinn.

For more information on the CORESafety® program, visit www.coresafety.org. For 2017 mine safety data, visit the **Mine Safety and Health Administration** website at www.msha.gov.



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)



(Loudon, 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

CLOUD PEAK ENERGY SIGNS LONG-TERM COAL EXPORT AGREEMENT WITH JERA TRADING TO SUPPLY NEW JAPANESE IGCC POWER PLANT

GILLETTE, WYO / BUSINESS WIRE
JANUARY 16, 2018



Cloud Peak Energy announced today that its wholly-owned subsidiary, Cloud Peak Energy Logistics ("CPEL"), has entered into a term coal export sales agreement with JERA Trading Pte Ltd. ("JERAT"), which is a trading company based in Singapore (<http://jeratrading.com/>).

Shipments are expected to commence as early as the end of 2019 and continue for a period of between thirty and forty months, reaching up to one million metric tonnes in the final contract year.

Coal produced at Cloud Peak Energy's Spring Creek Mine, located near Decker, Montana, will be carried by the BNSF Railway to Westshore Terminals at Roberts Bank, Vancouver, for loading onto ocean-going vessels for subsequent delivery to two new state-of-the-art Integrated coal Gasification Combined Cycle ("IGCC") coal-fired power plants in Fukushima Prefecture, Japan. The two 540-megawatt IGCC plants are being developed by Mitsubishi Corporation Power Ltd., along with Mitsubishi Heavy Industries, Ltd., Mitsubishi Electric Corporation, Tokyo Electric Power Company Holdings, Incorporated and Joban Joint Power Co., Ltd. IGCC systems generate power using a combined cycle format incorporating coal gasification and both gas and steam turbines. IGCC

systems offer enhanced generation efficiency, as well as reductions in carbon dioxide (CO₂) emissions of about 15% in comparison with the latest, state-of-the-art, conventional coal-fired power plant designs and substantially lower than most plants in operation in the United States. The first new IGCC plant is scheduled to commence operation in September 2020.

"Cloud Peak Energy is pleased to be part of the Fukushima IGCC project and to help support Japan's investment in next generation coal technology," said Colin Marshall, Cloud Peak Energy's President and CEO. "If similar plants were to be built in the U.S. it would go a long way to addressing concerns about CO₂ emissions while providing low cost reliable electricity. Today's announcement also demonstrates the strategic importance of American energy resources to key Asian allies."

Ronan Lory, JERA Trading Managing Director, indicated that "JERA Trading is glad to have secured a long-term coal sourcing agreement with Cloud Peak Energy, it demonstrates that North America remains a key supplier of quality coal for exports and vindicates our decision to set up our new subsidiary JERA Trading North America, LLC."

ABOUT CLOUD PEAK ENERGY®

Cloud Peak Energy Inc. (CLD) is headquartered in Wyoming and is one of the largest U.S. coal producers and the only pure-play Powder River Basin coal company. As one of the safest coal producers in the nation, Cloud Peak Energy mines low sulfur, subbituminous coal and provides logistics supply services. The Company owns and operates three surface coal mines in the PRB, the lowest cost major coal producing region in the nation. The Antelope and Cordero Rojo mines are located in Wyoming and the Spring Creek Mine is located in Montana. In 2016, Cloud Peak Energy shipped approximately 59 million tons from its three mines to customers located throughout the U.S. and around the world. Cloud Peak Energy also owns rights to substantial undeveloped coal and complementary surface assets in the Northern PRB, further building the Company's long-term position to serve Asian export and domestic customers. With approximately 1,300 total employees, the Company is widely recognized for its exemplary performance in its safety and environmental programs. Cloud Peak Energy is a sustainable fuel supplier for approximately three percent of the nation's electricity.

ABOUT JERA TRADING

JERA Trading Pte Ltd. (JERAT) is a jointly owned company owned two-thirds by JERA Trading International Pte. Ltd., a wholly owned subsidiary of JERA Co. Inc. which is an equal joint venture between two major

Japanese electric power companies, TEPCO Fuel & Power (Tepco) and Chubu Electric Power Company (Chubu), and one-third by EDF Trading, the trading arm of EDF, the French leading low carbon power producer in Europe.

JERAT is responsible for the global coal procurement of Chubu, Tepco and EDF. It operates an integrated coal and freight supply chain and has benefited from EDF Trading's expertise in energy commodity trading and risk management to minimize the costs and optimize the revenues associated with the delivery of coal requirements of its shareholders and third party customers.

JERAT is one of the leading utility-backed coal traders globally with a presence in both the Atlantic and Pacific basins. It operates in all major coal and freight markets (Europe, Asia, North and South America) and trades both physical and financial products.

JERAT is headquartered in Singapore with offices in London and in Maryland. More information on <http://www.jeratrad.com>.

CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS

This release contains "forward-looking statements" within the meaning of the safe harbor provisions of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934.



**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 U.S. and other world locations.
© 2012 Martin Engineering Company. Additional information can be obtained at www.martin-eng.com

Forward-looking statements are not statements of historical facts and often contain words such as "may," "will," "expect," "believe," "anticipate," "plan," "estimate," "seek," "could," "should," "intend," "potential," or words of similar meaning. Forward-looking statements are based on management's current expectations or beliefs as well as assumptions and estimates regarding our company, industry, economic conditions, government regulations, energy policies and other factors. Forward-looking statements may include, for example, (1) the anticipated timing for commencement of coal shipments to JERAT, (2) the anticipated sales volumes and duration of future sales to JERAT, (3) estimated timing for commercial operation for JERAT's IGCC plants, (4) other statements regarding this transaction and anticipated future benefits of this transaction and (5) other statements regarding our plans, strategies, prospects, expectations, beliefs, assumptions and estimates concerning our business, industry, economic conditions, operating

results, financial condition and other matters that do not relate strictly to historical facts. These statements are subject to significant risks, uncertainties, and assumptions that are difficult to predict and could cause actual results to differ materially and adversely from those expressed or implied in the forward-looking statements, including risks relating to the following factors: (i) JERAT's IGCC plants are not constructed or commissioned on the currently planned schedule or at all, or at the currently planned size, due to challenges associated with regulatory approvals and permits, construction, financing, government policies or other issues, (ii) logistics, transportation or mining related disruptions, delays or other difficulties that adversely impact the timing or volumes of our planned coal shipments or our logistics or mining costs, (iii) performance issues or disputes under our agreements with JERAT or with our rail and port logistics providers, (iv) the impact of future seaborne coal pricing levels, or (v) other risks and uncertain-

ties that adversely impact our ability to realize the anticipated benefits of the transactions described herein. For a discussion of some of the additional factors that could adversely affect our future results or the anticipated benefits of this transaction, refer to the risk factors described from time to time in the reports and registration statements we file with the Securities and Exchange Commission ("SEC"), including those in Item 1A - Risk Factors in our most recent Form 10-K and any updates thereto in our Forms 10-Q and current reports on Forms 8-K. There may be other risks and uncertainties that are not currently known to us or that we currently believe are not material. We make forward-looking statements based on currently available information, and we assume no obligation to, and expressly disclaim any obligation to, update or revise publicly any forward-looking statements made in this release, whether as a result of new information, future events or otherwise, except as required by law.

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



**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

PRESS RELEASES

Miners Day: Honoring America's Miners / December 6, 2017



U.S. Labor Secretary Alexander Acosta visits miners in West Virginia

Today is National Miners Day – a day to recognize and appreciate the nearly 300,000 men and women who work in America's mines.

I'm proud to say that I have been a miner and worked with miners for most of the past four decades, as a laborer, foreman, manager, and, eventually, CEO. Now, as Assistant Secretary of Labor for Mine Safety and Health, I am honored to salute the miners of America on behalf of the agency that strives to keep them safe.

Miners are at work in every state, extracting coal, gold, salt, limestone, granite, copper, iron, zinc, gravel, and dozens of other essential stones and minerals. They supply the raw materials for much of the energy we depend on as well as our roads, our electronics, and many household products that we use every day (even toothpaste).

Congress designated December 6 as National Miners Day in 2009 to recognize those contributions. At the Mine Safety and Health Administration, we honor America's miners every day by working to keep them safe. I will work with all stakeholders to instill a culture of safety at all mines.

David Zatezalo is the Assistant Secretary of Labor for Mine Safety and Health.

Peabody Honors Global Leadership In Clean Coal Technologies /

ST. LOUIS, Dec. 5, 2017 /PRNewswire/

Peabody today recognized innovation in clean coal technologies among leading examples of coal-fueled generating plants from the United States, China, Japan and India with their Fourth Annual Peabody Global Clean Coal Leadership Awards. Presented at Power-Gen International 2017 in Las Vegas, the awards recognize the cleanest coal plants in the world and shine a light on the tremendous environmental progress being made to improve emissions through greater use of technology.

"Coal remains an essential part of the energy mix, and technology will continue to play an important role in meeting the world's emissions goals," said Peabody President and Chief Executive Officer Glenn Kellow. "Peabody has advocated clean coal technologies for two decades and we are proud to recognize companies that are advancing these technologies to help achieve energy security, economic progress and environmental solutions."

Honors are based on the best environmental performance for reducing key criteria emission rates and carbon dioxide (CO₂). Categories include leadership in reducing sulfur dioxide (SO₂) and nitrogen oxides (NO_x), and improving efficiency as measured by heat rate, which results in a lower carbon footprint. In addition, Peabody recognized a new coal plant and an industry pioneer advancing carbon capture and storage technologies. A distinguished panel of international experts in high-efficiency, low-emissions (HELE) and carbon capture technologies selected the award recipients following a comprehensive review process.

"Each of these recipients we find to be deserving of the awards as they are advancing projects that exemplify leadership in clean coal technologies," said Dr. Andrew Minchener OBE, General Manager - International Energy Agency Clean Coal Centre, who was among the panel of judges. Other judges included Kipp Coddington, Director – Energy Policy and Economics, School of Energy Resources, University of Wyoming; Carl Bozzuto – independent consultant for the Electric Power Research Institute and Global Carbon Capture and Storage Institute among others; and Dr. Holly Krutka, Vice President - Coal Generation and Emissions Technologies, Peabody.

The Award Honorees Included:

- **Dynegy's Duck Creek Power Station:** Honored for SO₂ Leadership and Performance. The 425-megawatt Duck Creek plant operates in Canton, Ill., and virtually eliminated SO₂ emissions. The SO₂ achievement is attributed to the wet flue-gas

desulfurization technology paired with low-sulfur Powder River Basin coal.

- **Shenergy Company Limited's Shanghai Waigaoqiao No. 3 Power Generation Co., LTD:** Honored for NO_x Leadership and Performance and Heat Rate Leadership and Performance. The 2,000-megawatt (2 units x 1,000 megawatt) Waigaoqiao No. 3 Power Generation plant located in Shanghai has one of the lowest global NO_x emissions profiles at 0.11 pounds per megawatt hour. The power plant's heat rate of 8,141 Btu per kilowatt hour is among the best in the world. Waigaoqiao No. 3 was designed to achieve high-efficiency operation and the plant's operators have made retrofit improvements to further boost the annual average net efficiency to as high as 44.5 percent, lower heating value (LHV).

- **Kyushu Electric Power Company Inc.'s Matsuura Power Station No. 2:** Honored for New Coal Plant Leadership and Innovation. The 1,000-megawatt ultra-supercritical plant located in Matsuura, Japan, is currently under construction and expected to come on line in 2019. It is designed to have an efficiency of over 45 percent, LHV, which will make it one of the most efficient coal-fueled power plants in the world, reducing CO₂ and regulated emissions.

- **U.S. Department of Energy's National Carbon Capture Center, managed and operated by Southern Company:** Honored as Carbon Capture and Storage Pioneer. The National Carbon Capture Center in Wilsonville, Ala., is a world-class neutral test facility working to advance technologies to reduce greenhouse gas emissions from coal- and natural gas-based power plants. The center works with third-party technology developers to bridge the gap between laboratory research and large-scale demonstrations. In addition, the National Carbon Capture Center chairs the International Test Center Network to accelerate research, development and deployment of carbon capture technologies.

Nabha Power Limited, a wholly owned subsidiary of Larsen & Toubro, was also recognized as an honorable mention in the Heat Rate Leadership and Performance category. The 1,400-megawatt power plant in Rajpura, Punjab is among the most efficient supercritical plants in India, and last year notably

achieved its lowest auxiliary power consumption of 5.2 percent at 77 percent plant load. In addition, the plant implemented a number of environmental controls, including Mitsubishi Advanced Combustion Technology burners for NOX emissions reduction, 100 percent washed coal, a zero-water discharge system and utilization of 100 percent of its dry fly ash on a sustainable basis.

HELE coal-fueled generation, available today, includes multiple technologies capable of reducing the vast majority of SO₂, NO_x, particulate matter, mercury and other emissions. Advanced HELE technologies result in a smaller environmental footprint, achieving as much as a 25 percent reduction in a plant's CO₂ emissions rate. Longer-term investments in next-generation carbon capture technologies are necessary to transition to the ultimate goal of near-zero emissions from coal-fueled power.

The Peabody Global Clean Coal Leadership Awards program was established in 2014 to showcase coal-fueled power plants for top environmental performance, highlight innovative leadership and improve education about the benefits of clean coal technologies.

Peabody is the world's largest private-sector coal company. The company is also a leading voice in advocating for sustainable mining, energy access and clean coal technologies. Peabody serves metallurgical and thermal coal customers in more than 25 countries on five continents. For further information, visit **PeabodyEnergy.com**.

CONTACT:

Travis Snyder
(314) 342-4351

The 2017 National Coal Mine Rescue Contest / Source: MSHA

2017 National Coal Mine Rescue, First Aid, Bench, and Preshift Competition results

Overall

First: Metinvest United Coal Company West's "Red Team" from Grundy, Virginia

Second: CNXC Resources - Harvey Mine's "Harvey Grey Team" from Sycamore, Pennsylvania

Third: ACI Tygart Valley/Leer Mine's "Leer Mine Blue Team" from Grafton, West Virginia



Mine rescue contests are designed to sharpen skills and test the knowledge of team members who would be called on to respond to a mine emergency. The contest requires team members to solve a hypothetical problem while being timed and observed by judges according to complex rules

Specific Categories

- **Preshift:** Warrior Coal's Chad Greenlee, "Cardinal Team" from Madisonville, Kentucky
- **Bench Biopak 240R:** Arch Coal's Barry Rowe, "Viper Red Team" from Williamsville, Illinois
- **Bench BG4:** Harvey Mine's John Helmick, "Harvey Blue Team" from Sycamore, Pennsylvania
- **First Aid:** Alpha Natural Resources' "Southern West Virginia Team #1" from Beckley
- **Day 1 Mine Rescue:** Southern Pocahontas, Inc.'s "Cherokee Team" from Welch, West Virginia
- **Day 2 Mine Rescue:** ACI Tygart Valley/Leer Mine's "Leer Mine Blue Team" from Grafton
- **Mine Rescue/First Aid:** Alden Resources LLC's "Alden Resources Team" from Corbin, Kentucky

CONSOL Energy Completes Spin-Off as Independent Publicly Traded Low-Cost Producer and Exporter of Coal / CANONSBURG, Pa., Nov. 29,

2017 /PRNewswire/

Foundational assets include the Pennsylvania Mining Complex, a premier low-cost producer in Northern Appalachia, and the Ownership of CONSOL Marine Terminal, a major East Coast exporter of U.S. coals Begins "regular way" trading today on NYSE under ticker "CEIX"

CONSOL Energy Inc. (NYSE: CEIX) (CONSOL), formerly named CONSOL Mining Corporation, today announced that it has completed the separation from its former parent company CNX Resources Corporation (NYSE: CNX), formerly named CONSOL Energy Inc., and has begun operating as an independent, publicly-traded company listed on the New York Stock Exchange under the symbol "CEIX". CONSOL is a low-cost producer of high-Btu thermal and crossover metallurgical coals from its Pennsylvania Mining Complex in the Northern Appalachian Basin, and it also owns and operates a major coal export terminal located in the Port of Baltimore. The company is well positioned to capitalize on the ongoing recovery in the coal markets, and its coal assets and management team have a demonstrated capability of generating strong free cash flow throughout all parts of the commodity cycle.

"This is a monumental event in the history of a 150-plus year old company. I am very excited about what the future has in store for CONSOL and about being able to lead a team of extremely talented people. The coal assets that are the foundation of our company today are well-capitalized and have a well-documented history of generating strong free cash flow. We look forward to now allocating capital to further develop this globally known platform that stands apart within the industry in terms of safety, margins, and productivity. We are committed to strong financial discipline and will be rate-of-return-driven as we evaluate future growth and capital return opportunities. I also want to take this opportunity to thank our advisors, banking partners and investors who provided us with the necessary support to make this spin-off possible. We are coming out with a strong balance sheet and liquidity that complements our asset base. Investor expectations are re-emerging and the timing of our spin ties very nicely to prior upcycles that should create value for all of our stakeholders" said Jimmy Brock, Chief Executive Officer of CONSOL Energy Inc.

Capitalization

As of November 28, 2017, CONSOL has total debt of approximately \$918 million after taking into ac-

count the various financings entered into as part of the spin-off, unrestricted cash and cash equivalents of approximately \$142 million and total liquidity of approximately \$354 million, after accounting for \$88 million in outstanding letters of credit. We also anticipate entering into an accounts receivables securitization facility by the end of 2017 that is anticipated to provide us with additional liquidity of approximately \$50 million. Based on the when-issued share price at the close of business on November 28, 2017, and approximately 28 million shares outstanding, the current equity market capitalization of CEIX is approximately \$600 million. CEIX is expected to be added to the S&P Small Cap 600 GICS Coal & Consumable Fuels Sub-Industry Index.

Completion of the Spin-off

Under the terms of the separation and distribution agreement, on November 28, 2017, the CNX Resources Corporation stockholders received a distribution of one share of common stock of the newly named CONSOL Energy for every 8 shares of the

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

CNX Resources Corporation's common stock held as of the close of business on the record date of November 15, 2017. No fractional shares of CONSOL Energy were issued, and stockholders will receive cash in lieu of fractional shares.

In connection with the distribution, the former parent changed its name from CONSOL Energy Inc. to CNX Resources Corporation and retained its ticker symbol "CNX" on the New York Stock Exchange. At the same time, the newly formed CONSOL Mining Corporation changed its name to CONSOL Energy Inc., and its common stock begins trading today on the New York Stock Exchange under the ticker symbol "CEIX".

In addition, the former parent transferred all of its ownership interest in CNX Coal Resources LP to CONSOL Energy Inc. as part of the separation. As a result, CNX Coal Resources LP changed its name to CONSOL Coal Resources LP and changed its ticker to "CCR".

About CONSOL Energy Inc.

CONSOL Energy Inc. (NYSE: CEIX) is a Canonsburg-based producer and exporter of high-Btu bituminous thermal and crossover metallurgical coal. It owns and operates some of the most productive longwall mining operations in

the Northern Appalachian Basin. Our flagship operation is the Pennsylvania Mining Complex, which has the capacity to produce approximately 28.5 million tons of coal per year and is comprised of 3 large-scale underground mines: Bailey, Enlow Fork, and Harvey. The company also owns and operates the CONSOL Marine Terminal, which is located in the port of Baltimore and has a throughput capacity of approximately 15 million tons per year. In addition to the ~767 million reserve tons associated with the Pennsylvania Mining Complex, the company also controls approximately 1.6 billion tons of greenfield thermal and metallurgical coal reserves located in the major coal-producing basins of the eastern United States. Additional information regarding CONSOL Energy may be found at www.consolenergy.com.

Contacts:

Investor:

Mitesh Thakkar, (724) 485-3133
miteshthakkar@consolenergy.com

Media:

Zach Smith, (724) 485-4017
zacherysmith@consolenergy.com



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

Arch Coal, Inc. Announces Stock Repurchase Agreement with Monarch Alternative Capital / ST. LOUIS, Dec. 11, 2017

Arch Coal, Inc. (NYSE: ARCH) ("Arch") today announced that it has entered into a stock repurchase agreement with certain investment funds managed by Monarch Alternative Capital LP (collectively, "Monarch").

Under the terms of the stock repurchase agreement, Arch has agreed to repurchase from Monarch 500,000 shares of Arch's common stock at a purchase price of \$83.03 per share, representing aggregate consideration of approximately \$41.5 million. Arch intends to fund the repurchase with cash on hand. The share repurchase would be made pursuant to, and would count toward, Arch's existing share repurchase program of up to \$500 million.

The transaction is expected to close on or about December 14, 2017, and is subject to customary closing conditions.

Arch plans to continue its share repurchase program, subject to a number of factors including business and market conditions, and will provide a progress update at its fourth quarter earnings conference call in early 2018.

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.

Westmoreland Announces Executive Leadership Changes; Kevin Paprzycki Stepping Down as CEO / Englewood, CO — November 28, 2017

Westmoreland Coal Company (Nasdaq:WLB) today announced that Kevin Paprzycki is stepping down from his position as Chief Executive Officer effective immediately. Mr. Paprzycki served in this position since 2015.

The Board of Directors appointed Michael "Hutch" Hutchinson, Audit Committee Chairman and current member of the Board, to serve as the interim Chief Executive Officer while a search is conducted for a permanent replacement. Mr. Hutchinson will oversee Westmoreland's strategic direction and be responsible for managing day-to-day operations until the new CEO is appointed.

"We'd like to thank Kevin for his dedication to Westmoreland during his years serving as Chief Financial Officer and then CEO," said Jan Packwood, Chairman of the Westmoreland Board. "Looking forward, we are very confident in our talented senior leadership team and our highly skilled mining personnel. We believe that our search will identify a new leader with the skills and talent necessary to continue our unparalleled service to our customers, while developing and expanding our future prospects."

Mr. Hutchinson, a native of Colorado, had a career with Deloitte and Touche spanning 35 years that included lead-

ing its Audit and Enterprise Risk Management Practice as well as its Energy and Natural Resources Practice both in Denver.

The Board commenced a search for a full-time successor and is engaging a leading executive search firm to identify and evaluate candidates.

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

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

WEEKLY US COAL PRODUCTION SURGES TO HIGHEST TOTAL IN THREE MONTHS

Houston (Platts)--7 Dec 2017 5:21 pm EST/22:21 GMT



Making Too Many Calls?

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

 **Comet**
One call does it all! 800-878-9440

US coal production totaled an estimated 15.6 million st in the week ended December 2, up 11.6% from the prior week and up 8.8% from the year-ago week, US Energy Information Administration data showed Thursday.

For the recently concluded week, coal production in Wyoming and Montana, which primarily consists of coal from the Powder River Basin, totaled an estimated 7.4 million st, up 12.9% compared with last week and up 8.6% from the year-ago week.

In Northern Appalachia, weekly coal production totaled an estimated 2.16 million st, up 11.9% from last week and up 11.2% from the year-ago week. Annualized production would total 110.3 million st, up 8.2% from last year.

It was the largest weekly estimate in three months. Production this year topped out at an estimated 17 million st in the week ended August 19, then largely declined.

On an annualized basis, coal production in Wyoming and Montana would total 356.3 million st, up 8% from last year.

In the Illinois Basin, weekly coal production totaled an estimated 1.98 million st, up 10% from last week and up 9.2% from last year. Annualized production would total 105.2 million st, up 6.9% from 2016.

Platts Analytics estimates that utility coal stockpiles stood at 140.1 million st as of last Thursday; the five-year average for the month of November is 169.6 million st, according to EIA data.

In Central Appalachia, weekly coal production totaled an estimated 1.69 million st, up 8.3% from last week and down 6% from last year.

Annualized 2017 production would total 88.4 million st, up 15.7% from last year.

Based on the most recent EIA estimates and first-quarter revisions, US coal production in 2017 on an annualized basis would total 784.9 million st, up 7.8% from last year.

By Andrew Moore, andrew.moore@spglobal.com
Edited by Lisa Miller, lisa.miller@spglobal.com



“Mining With Purpose”

(618)-643-5500

McLeansboro, IL 62859

www.whiteoakresources.com



World News: **SOUTH AFRICA**

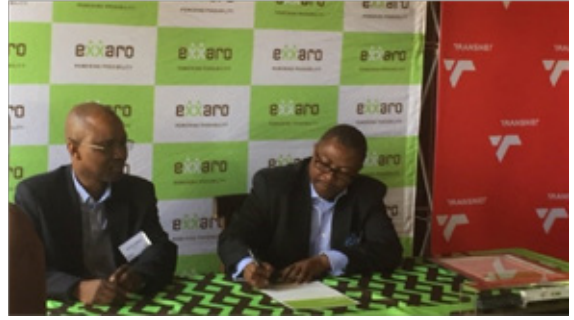


EXXARO AGREES ON 10-YEAR COAL TRANSPORTATION DEAL WITH TRANSNET

AFRICAN NEWS AGENCY (ANA) / 3 OCTOBER 2017, 4:00PM



Mxolisi Mgojo, CEO Exxaro and Siyabonga Gama, Group CEO Transnet at the Coal transportation signing ceremony at Grootegeluk Mine on Tuesday (Pic supplied: Exxaro)



Mxolisi Mgojo, CEO Exxaro and Siyabonga Gama, Group CEO Transnet at the Coal transportation signing ceremony at Grootegeluk Mine on Tuesday (Pic supplied: Exxaro)

JOHANNESBURG - South African diversified miner, Exxaro Resource, on Tuesday signed a 10-year coal export transportation agreement with the country's state-owned logistics company, Transnet, in a bid to increase coal volumes from Waterberg to Richards Bay Coal Terminal.

Over 50 percent of South Africa's remaining reserves lie in the Waterberg coalfields, a 3,500km² expanse of Limpopo that stretches into Botswana and hosts almost 76 billion tonnes of in-situ inferred resources in 11 coal-bearing zones. Exxaro said the agreement with Transnet will allow for the transportation of a total of 7.8 million tonnes of export coal, of which three million tonnes will come from the Waterberg once all the projects are ramped up.

Exxaro chief executive, Mxolisi Mgojo, said the miner was proud to be developing the Waterberg area in collaboration with Transnet. "This is an exciting milestone for Exxaro and is a realisation of our vision to contributing to the unlocking of the Waterberg, thus creating jobs and powering economic development in South Africa," Mgojo said.

"As such, we will be investing 50 percent of our R20 billion coal capex programme over the next five years in coal in the Waterberg area." Mgojo also said that Transnet had a proven track record in building rail capacity and expanding export rail performance in the Waterberg area and across South Africa.

Siyabonga Gama, Transnet Group chief executive, also welcomed the agreement. "We are pleased with reaching a key milestone with Exxaro to improve rail infrastructure in the Waterberg area which includes the strengthening and expansion of the Waterberg Link (the Lephale Line)," Gama said.

"We are a key enabler to growing the South African economy and are playing our role in developing more rail capacity and unlocking the capacity of the Waterberg region to domestic and export markets." This agreement comes at a time when the Transnet's Waterberg Programme is in full swing with plans to complete the second phase of the project in March 2019.

The first phase in the Waterberg Expansion Programme was completed in 2016 and it included a 1.8km passing loop which enables 100-wagon trains to cross without disrupting other rail operations on the line.

The Waterberg upgrade phase two will grow export rail capacity to six million through incremental upgrades of the existing rail networks and yards using additional loops, while maintaining the existing axle load, electrical upgrades and improved train control systems.

Exxaro said the signing of the long-term agreement with Transnet will enable the GG6 expansion of the Grootegeluk operation in the Waterberg area that requires rail capacity to Richards Bay Coal Terminal.

Current National Coal Transportation Association Members

A. Stucki Company	Cleco Corporation	Florida Power & Light Co.
AKJ Industries	Cloud Peak Energy	FreightCar America
Alliance Coal, LLC	Colorado Springs Utilities	GATX Rail
Alliant Energy	CONSOL Energy, Inc.	Global Barrier Coatings
Alltranstek LLC	Consumers Energy Company	Global One Transport, Inc
Alpha Natural Resources	Cooper T. Smith	Global Coal Sales
Alpha Products Incorporated	CPS Energy	Grand River Dam Authority
AmerenEnergy Services	Crown Products	Great River Energy
American Electric Power	Dairyland Power Cooperative	The Greenbrier Companies
American Railcar Industries, Inc.	David J. Joseph Company	Hall St. Coal Terminal
Amsted Rail	Dayton Power & Light Company	Helm Financial Corporation
Arch Coal Sales Company, Inc.	Detroit Edison	Hendricks River Logistics
Arizona Electric Power Coop. Inc.	Drummond Coal Sales Inc.	Heyl & Patterson
Arizona Public Service Company	Duke Energy	Idaho Power Company
Arkansas Electric Cooperative Corp	Dynegy Marketing and Trade	iIRX
Appalachian Railcar Services, Inc.	Ecofab Australiasia	Jim Walter Resources, Inc.
Associated Electric Coop., Inc.	Ellcon-National, Inc.	Kansas City Power & Light
Associated Terminals	The Empire District Electric Co.	Company
Basin Electric Power Cooperative	Energy Publishing, Inc.	Kiewit Mining Group, Inc.
Benetech, Incorporated	Enserco Energy	Kinder Morgan Terminals, Inc.
Bosch Rexroth Corp.	Entergy Services, Inc.	Koch Carbon, Inc.
CANAC, Inc.	Excel Rail Management LLC	Lexair, Inc.
CDG Engineers, Architects,	Exelon Generation Company	Locomotive Service, Inc.
Planners	Exponent, Inc.	Lower Colorado River Authority
CIT Rail Resources	FirstEnergy Corporation	
City Utilities of Springfield	Flagship Rail Services, LLC	

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

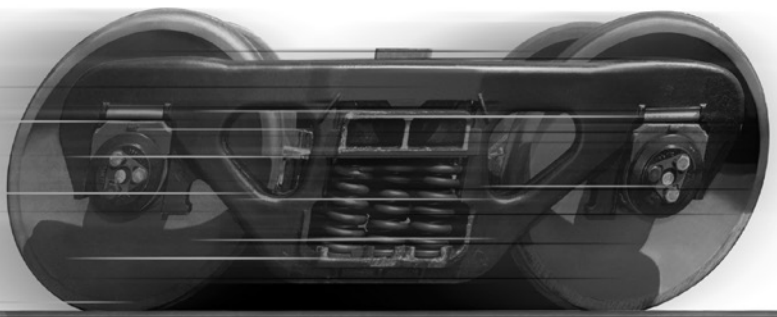
 Wabtec Corporation
 We Energies
 Westar Energy, Inc.
 Western Farmers Electric Coop.
 Western Fuels Association, Inc.
 WestRail
 Westmoreland Coal Sales Company
 White Energy Coal North America, Inc.
 Wisconsin Public Service Corp.
 Wood MacKenzie

 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.	Florida Marine Transporters	Oglethorpe Power Corp
AEP River Operations	Foresight Energy, LLC	Omaha Public Power District
AEP/Cook Coal Terminal	FreightCar America	
AKJ Industries	Fuel Tech, Inc.	
Alliance Coal, LLC		Patriot Coal Corporation
Alliant Energy	Genscape	Peabody Energy
Alpha Coal Sales Co. LLC	Glencore Ltd.	Pevier Coal Sales Co., Inc.
ALSTOM Power	Glenview Capital	Pincock, Allen & Holt
Ameren Energy Fuels & Services Co.	Golder Associates Inc.	Platte River Power Authority
American Electric Power	Great River Energy	Platts
Arch Coal, Inc.	Green River Collieries, LLC	Portland General Electric
Argus Media, Inc.		PPL EnergyPlus, LLC
Arizona Public Service	Hallador Energy Company	PricewaterhouseCoopers LLP
Armstrong Coal	Headwaters Energy Services	Progress Energy
ASGCO	Hellerworx, Inc.	PSEG Energy Resources & Trading
	Helm Financial Corporation	
	Holcim (US) Inc.	Rhino Energy LLC
B & W Resources, Inc.		Richwood
Benetech, Inc.	ICAP United, Inc.	River Basin Energy
Black & Veatch	Ingram Barge Company	River Trading Company, LTD
BNSF Railway	IntercontinentalExchange	Roberts & Schaefer Company
Boral Material Technologies	Integrity Coal Sales Inc.	RWE Trading Americas Inc
Buchanan Ingersoll & Rooney	Interlake Steamship Company	
Bunge		Saint Consulting
	James River Coal Co	Salt River Project
Canal Barge Company Inc	James River Coal Sales, Inc.	Sampling Associates International
Carbon Partners	JM Energy Advisors, LLC	Savage Services, Inc.
Cargill, Incorporated	JMP Coal Holdings, LLC	SCANA Corporation
Central Coal Company	John T Boyd Company	SCH Terminal Co.
Charah, Inc.		Seperation Technologies
Chevron Mining	Kansas City Southern Railway	SGS Mineral Services
Cloud Peak Energy	KCBX Terminals Company	SNL Energy
CME Group	Kiewit Mining Group	Southern Company
Coal Marketing Company (USA) Inc.	Kinder Morgan Terminals	Standard Laboratories, Inc.
Coal Network, Inc	Kirby Ocean Transport Company	Starfuels, Inc.
Colorado Springs Utilities	Koch Carbon, LLC	Storm Technologies, Inc.
CONSOL Energy, Inc.	Koehler-Bright Star, LLC	
Constellation Energy		Taggart Global, LLC
Crouse Corp	L & L Energy, Inc.	Tampa Electric Company
CSX Transportation	LGE-KU Services Co.	TECO Coal Corp
	Lower Colorado River Authority	Tennessee Valley Authority (TVA)
	Luminant Energy	Trayport Inc.
Dairyland Power Cooperative	MacArthur Energy	Trafigura AG
David J. Joseph Company	Marquette Transportation Company	Traxys North America
Dayton Power & Light Company	Martin Engineering	Tucson Electric Power Company
Dominion Energy	McGuireWoods LLP	
Dominion Generation	Mercuria Energy Trading, Inc.	Union Pacific Railroad Company
Drummond Company, Inc.	Metro Ports	United Maritime Group
Duke Energy	MidAmerican Energy Company	United Bulk Terminals
	Midwest Generation EME	Usibelli Coal Mine, Inc.
DTE Energy Coal Services	Minnesota Power	
Dynegy	MinTech Enterprises	Vitol
	Montana Rail Link, Inc.	We Energies
East Side River Transportation	MRT, a CEMEX Company	Westar Energy
Eagle River Coal, LLC	Murray Energy Corporation	Westmoreland Coal
Energy Ventures Analysis, Inc.		White Energy Coal North America Inc.
Enserco-Black Hills Power	NexGen Coal Services, Ltd.	White Oak Resources, LLC
Entergy	Norfolk Southern Corporation	Wisconsin Public Service Corporation
Environmental Energy Services, Inc.	Norwest Corporation	Wood Mackenzie
Ernst & Young	Novinda Corporation	
Evolution Markets LLC	NRG Energy, Inc.	Xcel Energy
	Nucor Corporation	Xcoal Energy & Resources

Current American Coal Ash Association Members

UTILITY MEMBERS (39)

AES Corporation
Ameren 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
Agu 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
FLSmith, 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.
Saia 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, Ltd
Alstom Power	Colorado Rural Electric Association	Holy Cross Energy
Altec Industries, Inc.	Colorado Springs Utilities	Homer Electric Association, Inc.
AMEC	Colorado State University	Howard Electric Cooperative
American Coal Council	Commonwealth Associates, Inc.	Hubbell Power Systems
AREVA Solar Inc.	ComRent	Hughes Brothers, Inc.
Arizona Electric Power Cooperative, Inc.	Continental Divide Electric 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 Public Utilities	Independence Power & Light
Asplundh Tree Expert Co.	CPS Energy	Industrial Cooling Solutions
Associated Electric Cooperative, Inc.		Intercounty Electric Coop Association
ATCO Emissions Management	Delta Montrose Electric Assn.	Intermountain Rural Electric Assn.
Austin Energy	DIS-TRAN Packaged Substations, LLC	ION Consulting
AZCO INC.	Dowdy Recruiting LLC	Irby
		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 Group, LLC	Kit Carson Electric Cooperative
Boilermakers Local #101	Energy Reps	Kleinfelder
Boone Electric Cooperative	Equal Electric, Inc.	Klondyke Construction LLC
Border States Electric	ESC engineering	
Bowman Consulting Group	Estes Park Light & Power Dept.	La Junta Municipal Utilities
Brand Energy & Infrastructure Services	Exponential Engineering Company	La Plata Electric Association, Inc.
Brooks Manufacturing Company		Lake Region Electric Coop Inc.
Burns & McDonnell		Lamar Utilities Board
Butler Public Power District	Foothills Energy Services Inc.	Laminated Wood Systems, Inc.
	Fort Collins Utilities	Las Animas Municipal Light & Power
C.I.Agent Solutions	Foster Wheeler	Lauren Engineers & Constructors
Carbon Power & Light, Inc.	Fuel Tech, Inc.	LEADERSHIP A Business
Casey Industrial, Inc.		Imperative, Inc.
CB&I	Gallup Joint Utilities	Lewis Associates, Inc.
CBS Arc Safe	GE Power & Water	Lincoln Electric System
Center Electric Light & Power System	Golder Associates, Inc.	Llewellyn Consulting
CH2M HILL	Grand Island Utilities	Longmont Power and Communications
Chimney Rock Public Power District	Grand Valley Rural Power Lines, Inc.	Loup River Public Power District
City of Alliance Electric Department	Great Southwestern Construction, Inc.	Loveland Water & Power
City of Aztec Electric Department		Luminate, LLC
City of Cody	Gunnison County Electric Association, Inc.	
City of Farmington		Magna IV Engineering Inc.
City of Fountain		Marsulex Environmental Technologies
City of Gillette	Hamilton Associates, Inc.	Missouri River Energy Services
City of Glenwood Springs	Hamon Research - Cottrell	Mitsubishi Power Systems
City of Imperial	Harris Group, Inc.	Americas, Inc.
City of Yuma	Hartigan Power Equipment Company	
Co-Mo Electric Cooperative		

**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

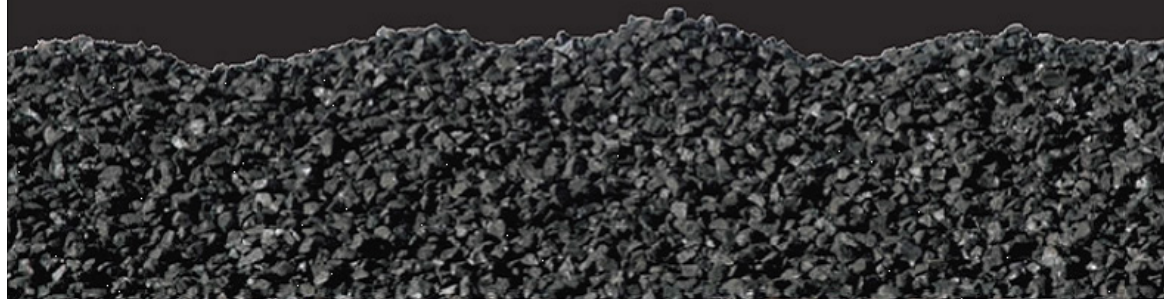


CTL

CONSOLIDATED TERMINALS AND LOGISTICS CO.

Invest with the **BEST**

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



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

www.ctlconline.com

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



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



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 56089-2406
320-585-5644 Fax
Website: www.superior-ind.com
Email: corey.poppe@superior-ind.com
Categories: Fans, Material Handling, Ash Handling Systems



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

JANUARY 31, 2018

Payment Due for 2018 Annual
Membership Fees

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

FEBRUARY 1-2, 2018

Arkansas Annual Mine Health
and Safety Conference

FEBRUARY 26 – MARCH 1, 2018

Inaugural Surface Mining
Emergency Response Training &
Competition

JUNE 4-8, 2018

Northern Regional Mine Rescue
Contest

RMEL

JANUARY 30-31, 2018

Physical and Cyber Security
Conference

Tempe, Arizona

FEBRUARY 23, 2018

Safety Roundtable
Westminster, Colorado

MARCH 7-8, 2018

Power Supply Planning and
Projects Conference

Lone Tree, Colorado

MARCH 14-15, 2018

Transmission Planning and
Operations Conference

Lone Tree, Colorado

MARCH 21-22, 2018

Distribution Operations and
Maintenance Conference

Lone Tree, Colorado

MARCH 28-29, 2018

Safety Conference
Lone Tree, Colorado

MAY 20-22, 2018

2018 Spring Management,
Engineering & Operations
Conference
Keystone, Colorado

AMERICAN COAL COUNCIL

MARCH 6-8, 2018

Spring Coal Forum
Clearwater Beach, Florida

AMERICAN COAL ASH ASSOCIATION

JANUARY 30-31, 2018

ACAA 2018 Winter Meeting
Sarasota, Florida

*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

UPCOMING 2017
MINER'S MEMORIAL
WORLD NEWS: INDONESIA
TRUMP'S NEW TARIFFS

Index to Advertisers

Amsted Rail	24,25,OBC	www.amstedrail.com
Borton, L.C	8	www.borton.biz
CH2M Hill	7	www.ch2mhill.com/power
Comet Industries	20	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	17	www.lafargenorthamerica.com
Martins Engineering	11	www.martin-eng.com
McDonald Farm Enterprises, Inc	16	www.mcdonaldfarmsinc.com
Progress Rail	2	www.progressrail.com
Scantech	29	www.scantech.com.au
Son Haul Inc	12	www.son-haul.com
Utter Construction, Inc	9	www.utterconstruction.net
While Oak Resources LLC	21	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:
 **BASF**
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.