

# coal ENERGY



Issue 3 • 2016

From the Mine to the Utility

**WORLD NEWS:**  
**GERMANY**

**POLITICS**  
**VS. COAL**

**MEMBER**  
**DIRECTORY**

# Find Us on Facebook



**coalenergyonline**



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



## POLITICS VS. COAL 6

# table of contents

## Features:

- 06 Politics vs. Coal
- 09 Surface Mine Reclamation Awards
- 12 From the Desk of Joseph A. Main

## Departments:

- 25 Statistics Corner
- 26 World News: Germany
- 35 Member Spotlights

## In every issue:

- 03 Letter from your publisher
- 04 Association Comparisons
- 15 In the Press
- 28 Association Members
- 36 Industry Events
- 38 Index to Advertisers
- 38 Upcoming Issue



## World News: GERMANY 26

### 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,  
Joseph A. Main, Brian Parkin  
Vivian Mofeed, Hal Quinn

### **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](http://www.progressrail.com)

# letter from THE PUBLISHER



SEPTEMBER 2016

Dear readers,

Welcome to Issue 3, 2016 of **Coal Energy**.

In this issue, we examine the mining communities that will host the presidential debates and the impact of the elections on these communities. For reclamation news, we are proud to feature the surface mine reclamation awards. Our third feature is from the desk of Joseph A. Main taking a look at how we can further prevent mining fatalities.

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 our last issue we featured a profile on EURACOAL. To begin looking at some of Europe's coal dependency, we take a look at Germany's news as they hesitate to phase out their dependency on coal.

**Coal Energy** is pleased to bring back our statistics department to allow our readers a quick glance at up to date data.

**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.

**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 department.

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.

In our next issue, we will be featuring an in depth look at energy policies from the election results. We will also be featuring Poland in our world news section.

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](http://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](http://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](http://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](http://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/](http://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.rmел.org](http://www.rmел.org)

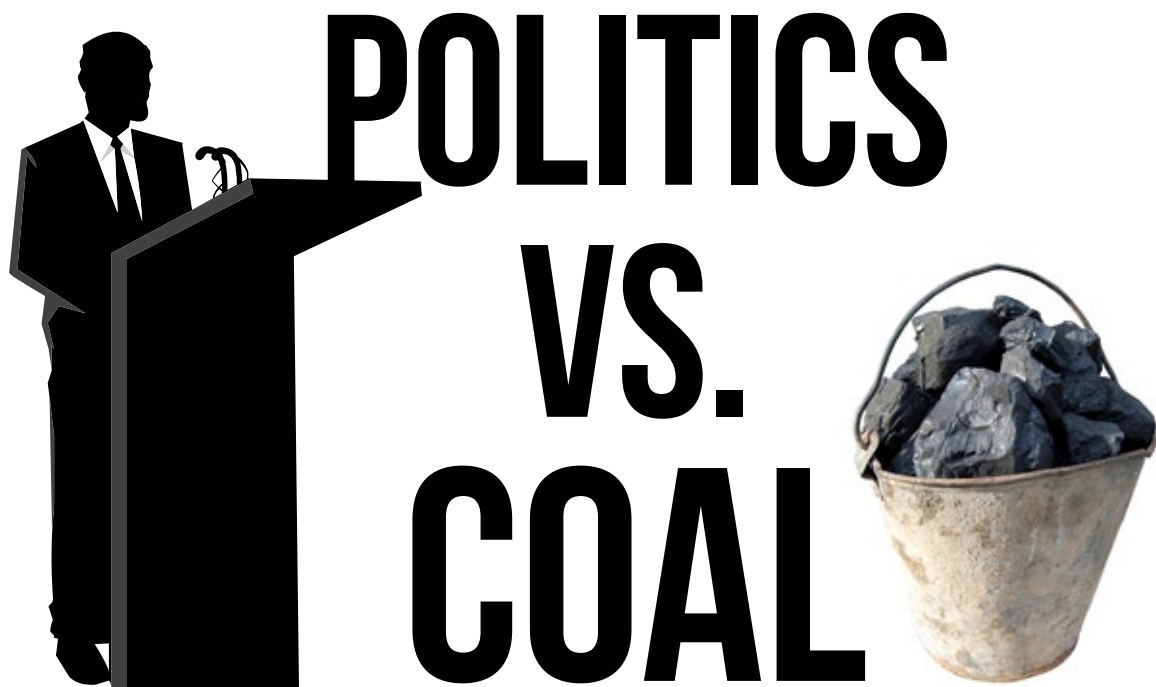
## COAL TRADING ASSOCIATION

### 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](http://www.coaltrade.org)



## **MINING COMMUNITIES PROVIDE THE BACKDROP FOR PRESIDENTIAL DEBATES, AND A WINDOW INTO WHAT'S AT STAKE FOR MANY AMERICANS IN THE ELECTION**

WASHINGTON, D.C.—The American mining industry will be the backdrop in three of the four states where the presidential candidates debate. In Virginia, Missouri and Nevada, the candidates will be surrounded by communities that rely heavily on mining for reliable, low-cost energy; high-paying jobs; and important state revenues. Those communities are on the front lines of many others that will be significantly impacted by the policies of the next administration.

### **ENERGY**

Seventy percent of voters have said candidates' positions on energy policy will be important to their vote this fall, and both presidential candidates have spoken boldly about their very different perspectives on the coal industry and its place in America's energy future. At the

same time, nearly seven in 10 voters support an "all of the above" energy strategy that includes coal (Morning Consult poll conducted for NMA, August 3-5, 2016).

Over the last eight years, policies such as the Environmental Protection Agency's Mercury and Air Toxics rule have worked to take coal-powered electricity off the energy grid. Pending regulations—e.g. the Clean Power Plan; a multi-year moratorium on federal coal leases; and the Stream Protection Rule—will continue this trend. As that coal-powered energy disappears, it takes with it a key source of affordable, reliable energy for Americans; important state and federal tax revenues; and related high-paying jobs.

The next administration has an

opportunity to take a more balanced approach to energy policy. This will be especially helpful to debate states like Virginia and Missouri, where coal is important to their economies and communities, as it is elsewhere across America.

Oct. 4, 2016, Vice Presidential Debate, Farmville, Va.

- Key to Virginia's economy:

Virginia is the number one coal exporting customs district in the U.S., exporting 26.2 million tons of coal in 2015.

Virginia's average annual coal mining wage of \$73,900 is 31 percent above the state average wage of \$56,600.

Virginia mining supports 64,390 jobs in total (including direct, indirect and induced).



Virginia mining companies paid \$1.7 billion in federal, state and local taxes (including direct, indirect and induced).

- Providing reliable, affordable electricity in Virginia:

Because of Virginia's use of coal for power generation, its retail electricity price is 9.31 cents/kWh – 11 percent below the national average.

Oct. 9, 2016, Second Presidential Debate, St. Louis, Mo.

- Key to Missouri's economy:

Missouri's average annual mining wage of \$68,000 is nearly 50 percent above the state average of \$46,000.

Mining in Missouri supports 33,380 jobs in total (including direct, indirect and induced), supporting total labor income of \$2 billion.

Missouri mining companies paid \$636 million in federal, state and local taxes (including direct, indirect and induced).

- Providing reliable, affordable electricity in Missouri:

Coal generated 78 percent of Missouri's electricity in 2015. Because of Missouri's significant use of coal for power generation, its retail electricity price is 9.3 cents/kWh – 11 percent below the national average.

#### Minerals availability and land access

While the U.S. is rich in mineral resources, permit delays, regulatory uncertainty and land withdrawals hamper investment in our domestic resources, increasing our reliance on foreign imports. Pending EPA regulations threaten minerals miners with redundant financial assurance regulations that duplicate existing state and federal rules.

The next administration has an opportunity to advance policies that will support the responsible development of domestic minerals resources, with Nevada as a leading example of communities that would benefit greatly from such action.

Oct. 19, 2016, Third Presidential Debate, Las Vegas, Nev.

- Key to Nevada's economy:

Nevada's ranks first in U.S. nonfuel mineral production valued at \$6.9 billion in 2015.

Nevada's average annual mining wage of \$93,000 is more than twice the state average wage of \$44,500. Mining in Nevada supports 61,900 jobs total (including direct, indirect and induced).

Nevada mining companies paid \$1.9 billion in federal, state and local taxes (including direct, indirect and induced).

#### Key Questions for Our Next President

Given the importance of affordable and reliable electricity made possible through coal mining, and our economy's reliance on minerals and metals to build infrastructure and sustain high-wage employment, the debates should probe into whether candidates' positions address the realities faced by working Americans.

Key questions the candidates should be asked:

- In the past, both Democratic and Republican administrations have supported an "all of the above" energy policy, which advocates for the balanced use of all energy resources available, including coal, natural gas, nuclear and renewables. Seventy percent of voters have said the candidates' position on energy policy will be important to their vote this fall, with another seven in 10 voters supporting an "all of the above" energy strategy (Morning Consult poll conducted for NMA, August 3-5, 2016). What is your position on the "keep it in the ground" movement being championed by environmental groups demanding that the world's fossil fuels be kept in the ground?

- Is this movement realistic given our current energy grid (5 percent of electricity generated by wind and solar)? What would such a transformation of our energy grid cost on the front end from an infrastructure perspective and on the back end in terms of electricity costs to consumers, and where will these funds come from?

- Nevada is a mineral rich state, yet current policies tie up the mining industry in red tape, with multiple federal agencies typically taking seven to 10 years to approve a new mining project that could provide well-paying jobs for hundreds. Where should the balance be between environmental oversight and efficient regulatory responsibility?



## **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](http://www.utterconstruction.net)

# Office of Surface Mining Reclamation and Enforcement Announces Winners of the 2016 Abandoned Mine Land Reclamation Awards



WASHINGTON, D.C. – The Office of Surface Mining Reclamation and Enforcement today announced the winners of the 2016 Abandoned Mine Land Reclamation Awards, which honor the highest quality projects across the nation to reclaim abandoned coal mines.

Part of OSMRE's mission is to ensure that coal mines are reclaimed after mining is complete, including the reclamation of mines abandoned before Congress passed the Surface Mining Control and Reclamation Act of 1977 (SMCRA).

Only projects that are funded wholly or in part by Abandoned Mine Land funds and completed by approved state or tribal regulatory programs, are eligible to win an Abandoned Mine Land Reclamation Award. A panel of judges, composed of directors of state reclamation programs and OSMRE managers, voted to determine the winners.

## THIS YEAR'S WINNERS ARE:

### National Award

*Sand Coulee Water System Restoration Project*  
Cascade County, Montana  
Montana Department of Environmental Quality  
Abandoned Mine Lands Program

### Small Project Award

*The 2015 Halleck Mine AML Project*  
Bowman, North Dakota  
The North Dakota Public Service Commission AML  
Division

### Appalachian Region Award

*Reclaiming a Company Town*  
Morgan Township, Green County, PA  
Pennsylvania Department of Environmental  
Protection  
Bureau of Abandoned Mine Reclamation

### Mid-Continent Region Award

*Highway 15 Pit Subsidence Emergency*  
St. Clair County, Illinois  
Illinois Department of Natural Resources

### Western Region Award

*Coyote Canyon Coal Fire Mitigation*  
Coyote Canyon, New Mexico  
Navajo Abandoned Mine Land Reclamation  
Program

OSMRE Director Joe Pizarchik will present the 2016 Abandoned Mine Land Reclamation awards at the Annual Conference of the National Association of Abandoned Mine Land Programs in Bozeman, Montana on September 26, 2016.

*The Office of Surface Mining Reclamation and Enforcement (OSMRE) carries out the requirements of the Surface Mining Control and Reclamation Act of 1977 in cooperation with states and tribes. OSMRE's objectives are to ensure that coal mining activities are conducted in a manner that protects citizens and the environment during mining, to ensure that the land is restored to beneficial use after mining, and to mitigate the effects of past mining by aggressively pursuing reclamation of abandoned coal mines. For instant updates on OSMRE, follow the bureau's Twitter feed @OSMRE.*



# 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](http://www.freightcaramerica.com)



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



20011 Cty Rd 13  
PO Box 1449  
Fort Morgan, CO 80701  
970.867-4401  
[www.flashfill.net](http://www.flashfill.net)  
[www.son-haul.com](http://www.son-haul.com)

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

SONFILL LLC



***“Mining With Purpose”***

(618)-643-5500

McLeansboro, IL 62859

[www.whiteoakresources.com](http://www.whiteoakresources.com)

# RENEWED FOCUS ON PREVENTING MINING FATALITIES

From the Desk of Joseph A. Main,  
October 4th 2016



Today we held a meeting with mining industry stakeholders across the nation with a call to action to reduce mining deaths. I also sent a letter to every mine today to enlist their support.

Dear Mine Operators and Miners,

Today, MSHA held an important mining industry stakeholder meeting, with a call to action to prevent mining deaths.

While there have been great strides to improve mining safety, leading to 2015 as the safest year in mining history in terms of the fewest number of mining deaths and lowest fatal and injury rates ever recorded, the mining deaths that have occurred this year make clear that much more needs to be done to protect our nation's miners. With mining deaths nearing the same number as last year, and the need to have protections in place so every miner can go home safe and

healthy at the end of each shift, there is a need for the mining community to increase efforts to curb these mining deaths. MSHA is doing just that and I know if we all apply our efforts we can prevent these mining deaths.

Just look at the efforts launched last August to curb mining deaths at metal and nonmetal mines when MSHA and the mining community jointly launched one of the most extensive efforts ever with great success. On the heels of a rash of mining deaths that began in October 2013 and resulted in 52 deaths within a 23 month period, the fatal prevention actions we all launched last August led to historic results. Mining deaths were held to just three over a nearly seven month period in metal and nonmetal and we had the longest stretch known in mining history for that sector where no miner died on the job for 133 straight days. Additionally, last year there were no mining deaths in the traditionally deadliest month of the year –

October. We know we can achieve the goal of reduced fatalities because we have.

There have been 22 mining deaths through September this year, with four of those in September. Eight were in coal and 14 were in metal and nonmetal. Last year through September there were 24 mining deaths – nine in coal and 15 in metal and nonmetal. As fall begins, we are presented with one of our biggest challenges in the mining community – October historically ranks as the deadliest month in metal and nonmetal. There is a need for the entire mining community to refocus efforts on preventing these tragedies. We are taking action through a number of ways to help stem the tide of this recent trend.

We are launching a renewed effort that includes help from all the MSHA staff in Coal, Metal and Nonmetal, Educational Policy & Development, and Technical Support to get out to the mine sites with enforcement and outreach at both metal and nonmetal and coal mines. We are calling on mine operators, miners, mining organizations and associations to increase attention on conditions and hazards that are leading to miner deaths. You can find the information on the mining deaths this year and best practices to prevent them posted on **[msha.gov](https://www.msha.gov)**.

MSHA has issued numerous recent alerts and near misses including a Metal and Nonmetal co-sponsored safety alert on seat belt use

with our Alliance partner, the Association of Equipment Manufacturers. In response to troubling recent trends in fatalities and nonfatal accidents, Coal issued a recent Call to Safety reminding miners to “stop and take a breath” before proceeding with the next task at hand.

### WHAT CAN YOU DO?

We are urging your help by conducting thorough examinations of the work place to assure conditions and hazards that lead to deaths and injuries are identified and prevented. Also make sure your miners are properly trained to do their work and make sure your compliance program is effective. Particular attention should be paid to standards that frequently lead to mining deaths such as "Rules to Live By" and the nine standards commonly cited at underground coal mines. Please pass on the information to your miners and managers on the causes of deaths, injuries and illnesses, and the alerts being issued.

It takes the entire mining community to make sure miners have a safe and healthful work place so they can go home safe and healthy each shift. We are counting on your help.

Joseph A. Main  
Assistant Secretary



**Outperformance™**  
[ch2mhill.com/power](http://ch2mhill.com/power)





# PRESS RELEASES

## Arch Coal Announces Proposed Board of Directors / September 6, 2016

Board to Consist of Seven Highly-Qualified and Experienced Executives

ST. LOUIS, September 6, 2016 - Arch Coal, Inc. today announced the proposed composition of its new board of directors. Subject to the Court's confirmation of the company's Plan of Reorganization, the term of the new board members will begin upon the company's emergence from Chapter 11.

In addition to John W. Eaves, Arch's chief executive officer, the Arch board will be comprised of the following six directors:

Patrick J. Bartels, Jr. is a managing principal at Monarch Alternative Capital LP, which focuses on investing in stressed and distressed companies across various industries and geographies. He has served as a director of WCI Communities, Inc. since 2009. Prior to joining Monarch in 2002, Mr. Bartels was a high-yield investments analyst at Invesco. He began his career at PricewaterhouseCoopers LLP. Bartels holds the Chartered Financial Analyst designation.

James N. Chapman brings more than 30 years of investment banking experience across a wide range of industries, including metals and mining, energy, and natural resources, as well as significant experience as a capital markets and strate-

gic planning consultant. Since 2004, Chapman has served as a non-executive Advisory Director of SkyWorks Capital, LLC, an aviation and aerospace management consulting services company.

Sherman K. Edmiston III has more than 20 years of experience working with companies undergoing major transitions as a principal investor, investment banker and advisor. He recently served as chief restructuring officer of Xinerdy, Ltd., a Central Appalachian producer of thermal and metallurgical coal. Edmiston has served on a number of boards during his career and previously served as a member of the board of JL French Automotive Castings, Inc.

Patrick A. Kriegshauser serves as executive vice president and chief financial officer and as a principal owner of Sachs Electric Company, a leading specialty electrical and design firm. He has considerable experience in the coal and energy industries, including a 15-year career at Arch, during which he served as senior vice president and chief financial officer. In addition, he served on the board of directors of Walter Energy for 10 years.

Richard A. Navarre is an accomplished senior executive with more than 30 years of diverse international business and financial experience, including as president of Peabody Energy.

In his 19 years with Peabody, Navarre had executive responsibility for virtually all areas of the company. During his tenure, Peabody's market cap grew from \$480 million to more than \$20 billion. He currently is a director on the boards of two publicly listed NYSE companies.

Scott D. Vogel is a partner at Vogel Partners LP, a private investment firm, after serving as managing director at Davidson Kempner Capital Management LP. During his 14-year tenure at Davidson Kempner, Vogel invested in a diverse set of industries, including industrials and industrial services, business services, transportation, and metals and mining. Previously, Vogel worked at MFP Investors, investing in special situations and turnaround opportunities for the private investment firm of Michael F. Price, and at Chase Securities. Vogel has served on numerous boards during his career and is currently a member of the board of Merrill Corp.

"We look forward to welcoming a new board of independent directors with the right mix of experience and business acumen to help guide Arch in a rapidly evolving and highly dynamic market environment," said Eaves. "These directors bring proven track records and diverse perspectives from both inside and outside our industry. I am confident that their leadership will contribute to Arch's future

success. I look forward to working with the new board to create value, to achieve operational excellence, to maintain our leadership in mine safety and environmental stewardship, and to serve the needs of our customers in the metallurgical and power generation industries."

"I would also like to thank Arch's outgoing board members for their exemplary service to the company over many years," Eaves continued. "Their leadership was instrumental in enabling Arch to become a top U.S. coal producer, a low-cost operator and a recognized leader in safety and environmental performance, and they have played a pivotal role in guiding us through our successful financial restructuring."

A hearing to consider confirmation of the Plan by the U.S. Bankruptcy Court for the Eastern District of Missouri is scheduled to commence on September 13, 2016.

U.S.-based Arch Coal, Inc. is a top coal producer for the global

steel and power generation industries, reliably serving customers worldwide. Its network of large-scale, low-cost mining complexes and high-quality metallurgical and thermal reserves are located in the most strategic coal supply basins in the United States. For more information, visit [www.archcoal.com](http://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 en-

vironmental initiatives; from operational, geological, permit, labor and weather-related factors; from fluctuations in the amount of cash we generate from operations; from potential demands for additional collateral for self-bonding; 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.

## Capito and Manchin Announce Nearly \$250K for WVSU Coal Research Program / 25 August 2016

Funding from the Department of Energy (DOE) will support research to investigate methods of using photosynthetic organisms for energy processes that will use less water and reduce the need for wastewater remediation.

WASHINGTON, D.C. – U.S. Senators Shelley Moore Capito (R-W.Va.) and Joe Manchin (D-W.Va.) today announced nearly \$249,999 will be awarded to West Virginia State University (WVSU) from the Department of Energy (DOE) to address scientific and technical issues that are key to ensuring the nation can continue to rely on traditional resources for clean, secure, and affordable energy

while enhancing environmental protection.

"Research and development of clean coal technologies is important not only to the future of coal, but also to the opportunities that are available for West Virginia students. Coal remains the lifeblood of West Virginia's energy economy, and this grant will help us continue to grow and strengthen this important sector," said Senator Capito.

"I am glad this funding will support cutting edge research at West Virginia State University," Senator Manchin said. "Enhancing research opportunities at our colleges and universities will open

doors for our students. This is crucial for West Virginia to remain competitive in the global marketplace and I applaud WVSU for their dedication to clean coal technologies and energy security."

West Virginia State University (WVSU) Research and Development Corporation (Institute, WV) will investigate and determine a technically feasible and cost-effective process for designing photosynthetic organisms capable of sequestering selenium and nitrates from flue gas desulfurization (FGD) wastewater.

Source: Shelley Moore Capito

# Poll: Majority of Voters Support Coal as Part of a Diverse Mix of Energy Resources

Tuesday, 23 August 2016 14:21 / Last Updated on Tuesday,

23 August 2016 15:01

As the CPP Returns to Court Next Month, New Polling Shows Americans Concerned about Energy Costs and Support Coal as Part of a Diverse Energy Mix

WASHINGTON, D.C.—A majority of American voters support the use of coal as part of a diverse mix of energy resources, according to national polling released today by the National Mining Association (NMA).

With arguments on the Clean Power Plan (CPP) just weeks away, the poll, conducted Aug. 3-5, found that nearly seven in 10 voters support a continued mix of resources that includes coal, natural gas, nuclear power and renewable sources, with just 15 percent opposing (19 percent did not answer).

“The numbers are clear: Americans expect reliable and affordable energy, powered by a diverse mix of energy sources including coal, natural gas, nuclear power, oil and renewable sources,” said Hal Quinn, NMA’s president and CEO. “The CPP would block that choice by unlawfully restructuring our entire energy grid to reduce an affordable energy option and inevitably raise energy prices for all Americans.”

Findings at a glance: Voter sentiment vs. CPP realities

**Poll finding:** Nearly seven in 10 voters support a mix of coal, natural gas, nuclear power and renewable power sources to ensure reliability and lower costs, with just 15 percent opposing (19 percent did not answer).

**Fact about CPP:** The EPA’s own estimates forecast that the CPP will force the retirement of 56 coal-fired power plants from 2016–2018—plants that used 55.3 million tons of coal in 2014—limiting the ability to rely on coal for the diversification that allows price increases in any one fuel to be offset by another.

**Poll finding:** When asked about their energy concerns, American voters are most concerned about costs, with dependence on foreign resources and environmental impacts following.

**Fact about CPP:** If CPP is implemented, the typical annual household electricity bills in 2020 will be more than a third higher than they were in 2012, (an estimated \$680 per family). At the same time, climate change benefits will be virtually unmeasurable, with global temperatures reduced by just 0.016 degree Fahrenheit over the next century. To view state-by-state impacts of the CPP, visit: <http://www.countoncoal.org/costly-power-plan/>

**Poll finding:** Eighty-seven percent of Americans think their electricity costs, which today come from a mix that includes 34 percent coal, are either “just right” (46 percent) or “too high” (41 percent).

**Fact about CPP:** Currently Americans save an estimated \$93 billion in electricity costs annually through the diverse power grid that is anchored by coal. Under the CPP, however, more than 40 states will face double-digit increases in the

cost of electricity, with the CPP increasing wholesale electricity prices by \$214 billion, and an additional \$64 billion for the construction of replacement generating capacity.

**Poll finding:** Seven in 10 voters, regardless of party affiliation, support federal investment in the development of technologies that will continue to make coal-powered energy cleaner.

**Fact about CPP:** While ignored by the CPP, clean coal technologies are making combustion of coal more efficient, achieving a more than 90 percent reduction in emissions of sulfur dioxide and nitrogen oxide over the last few decades. Ongoing advancements in high efficiency, low emission (HELE) coal technologies and carbon capture and storage (CCS) hold significant promise for the future. These advances in technology will slow or vanish without a durable coal-based generation capacity.

**Methodology:** This poll was conducted from August 3-5, 2016, among a national sample of 2001 registered voters. The interviews were conducted online and the data were weighted to approximate a target sample of registered voters based on age, race/ethnicity, gender, educational attainment, region, annual household income, home ownership status and marital status, with a margin of error of plus or minus two percentage points

Source the national mining association

# American Mining Operations Honored for Outstanding Environmental Performance

Department of the Interior Annual Environment, Reclamation Awards Pay Tribute to Seven U.S. Coal, Mineral Mines

**LAS VEGAS** – Four U.S. coal mines and three mineral mines today won annual awards from the U.S. Department of the Interior for their outstanding environmental performance, mine reclamation accomplishments and community outreach programs.

The awards were presented by officials from the U.S. Office of Surface Mining Reclamation and Enforcement (OSMRE) and the Bureau of Land Management (BLM) during ceremonies hosted by the National Mining Association (NMA). The annual awards, selected by the agencies, recognize the best environmental and reclamation practices throughout the year for coal and mineral mining.

“NMA is proud of these award winners for the commitment they have shown to sustainable mining techniques, best practices and the communities in which they operate,” said NMA President and CEO Hal Quinn. “Their work has contributed to millions of acres of land successfully reclaimed by America’s mining companies over the past quarter century. This is sustainable mining that represents modern mining in America and we’re grateful to the Department of the Interior for recognizing modern mining at its best.”

The department’s award winners were selected by judges from the respective awarding agencies. David Berry, OSMRE regional director, Western Regional Office, presented the awards to the winning coal operations and Michael Nedd, BLM assistant director-energy, minerals and realty management, presented to the winning minerals mine operations at a luncheon reception in Las

Vegas, Nev. during the National Mining Association’s MINExpo INTERNATIONAL® 2016, the largest mining show in the world.

National Mining Association members Kinross Gold, Navajo Transitional Energy Company and Westmoreland Coal Company received three of the environmental awards.

“It is a great honor to receive this recognition. We are very proud of our people and the effort they put into our reclamation and closure activities,” said Kinross Gold’s Lauren Roberts, senior vice-president, corporate development.

The Reclamation and Sustainable Mineral Development Awards are presented by the BLM in recognition of outstanding reclamation activities that restore land to other productive uses following mining operations and recognize community outreach programs that provide valuable infrastructure and conservation services to local communities. The Excellence in Surface Coal Mining Awards are presented by the OSMRE to coal companies that achieve the most exemplary mining and reclamation in the country, typically by demonstrating sound mining practices and executing effective reclamation plans designed to enhance post-mining land use.

The Department of the Interior began the environmental awards program for mining in 1986 with the OSMRE’s “Excellence in Surface Coal Mining Reclamation” award. In 2002, BLM inaugurated a parallel program for reclamation of mineral mines, presenting its first awards the following year for sustainable development practices.

The winners of the Department of the Interior’s Awards are:

## BLM AWARD WINNERS:

Hardrock Mineral Director’s Award

Baker Hughes Argenta Mine (Battle Mountain, Nevada)

Hardrock Mineral Small Operator Award

Jubilee Mine, LLC (Fairbanks, Alaska)

BLM Hardrock Mineral Community Outreach & Economic Security Award

Kinross Kettle River-Buckhorn Mine (Republic, Wash.)

## OSM AWARD WINNERS:

National Award

Northampton Fuel Supply Company, Inc., PA Surface Mine Permit, Loomis Bank Operation (Freeland, Penn.)

National Award-Mid Continent Region

Solar Sources Inc., Cannelburg Mining Complex (Daviess County, Ind.)

National Award-Appalachian Region

Westmoreland Resource Partners LP, Oxford Mining Company, LLC, Daron-Consol Mine (Harrison County, Ohio)

National Award-Western Region

Navajo Transitional Energy Company, BHP Billiton Mine Management Company, Navajo Mine (Fruitland, N.M.)

For more information on the DOI environment and reclamation awards, see [www.doi.gov](http://www.doi.gov) or [www.nma.org](http://www.nma.org)



## RMEL Foundation Awards 30 Scholarships

For the 2015-2016 academic year, the RMEL Foundation has awarded \$90,000 in scholarships to 30 deserving students pursuing careers in the electric energy industry. The RMEL Foundation Scholarship Selection Committee received nearly 400 well-qualified applications in 2015. With students applying from across the United States and pursuing many worthwhile degrees and careers in the electric energy industry, it was very difficult for the committee to select the recipients out of such a high caliber pool of applicants.

Recipients were selected based upon their goals for their future in the industry, motivation, academic achievements and service to their community and school.

The following two students were awarded with RMEL Foundation craft scholarships.

Benjamin Kuhr is from Clarkson, Nebraska and has been accepted into the utility line program at Northeast Community College. Upon graduation, he would like to work to at an electric utility in Nebraska and work towards becoming a journeyman lineman.

Brock Schueth is also attending Northeast Community College. He enrolled in August of 2014 and was named to the President's Honor List for the Fall 2014 semester. He enjoys working out in the elements and looks forward to becoming an apprentice lineman restoring and maintaining power.

This year, 22 students were chosen to receive RMEL Foundation baccalaureate scholarships.

Nicholas Aerni – Nicholas is attending the University of Kentucky majoring in Electrical and Computer Engineering. He has interned at Duke Energy and will graduate in May of 2016 at which time he plans on taking his

F-E Exam and immediately begin graduate coursework in electrical engineering with a power and energy focus.

Joshua Bowman is from McMurray, Pennsylvania, and is currently attending Penn State University. He is majoring in Nuclear and Mechanical Engineering and works with Engineers Without Borders. Joshua is currently a sophomore and will be graduating in May of 2017.

Cassandra Bradley is attending the University of Wisconsin-Madison where she is majoring in Electrical Engineering. She is currently interning at American Transmission Company where she analyzes schematics and works in the field at substations. Cassandra is also a member of the Society of Women Engineers.

Liam Collins from Canton, Massachusetts and is currently a high school senior. He will be attending Princeton University in the fall and plans to pursue a degree in electrical engineering. He has already had experience as an Electrician's Assistant and has plans to perform research in efficient conductors at the Princeton Institute for the science and technology of materials.

Nathan Drogemuller is currently attending the University of Wisconsin-Madison where he is studying nuclear engineering. He interned at Xcel Energy in 2014 and plans to do so again this summer. Nathan will be graduating in May of 2016.

Michael Elliott graduated from high school in Oxford, Mississippi and will be attending Vanderbilt University in the fall. He is president of his robotics team and plans to pursue a career in the industry as an electrical engineer.

Kaitlin Hall is from Idaho Falls, Idaho, where she graduated number one in her class. She will be attending the University of Utah in the fall where she will be studying Electrical Engineering. Kaitlin would like to research and design technology for producing electricity from sustainable renewable energy sources.

Rae Harris plans on attending Scripps College in the Fall. She is from Bayfield, CO and plans to pursue engineering because it combines her passion for STEM projects and her creative nature.

Zachary Heitkamp is a repeat recipient of the RMEL Foundation Scholarship. He is from Dunbar, Nebraska, and is attending the University Of Nebraska Omaha where he is majoring in Mechanical Engineering. Zachary's father and sister work in electric generation and he plans to follow in their footsteps upon graduating in 2018.

Andrew Hora is attending South Dakota State University majoring in Electrical Engineering. He sits on the Electrical & Computer Science Student Advisory Council and, after working for an electric utility, would like to own his own power firm and design electrical schematics for large businesses.

Jakob Howard is from Highlands Ranch, Colorado and is currently attending the Colorado School of Mines. He is pursuing a degree in electrical engineering and plans to focus on renewable energy efficiency and the development of sustainable infrastructure in undeveloped regions.

Allen Jiang just graduated high school in Louisville, Kentucky and plans to attend the University Of California At Berkeley in the Fall. He has already participated in numerous science and engineering fairs and robotic competitions and hopes to use his

computer engineering degree to improve our power system.

Zachary Lee is attending John Brown University where he maintains a 4.0 GPA, while earning his Electrical Engineering degree. He currently works part time as a power electronics teaching assistant and serves as President of the John Brown University IEEE Student Branch. Zachary has also served as a Student Ambassador to the IEEE PES T&D Conference.

John Pittala is from Kansas City, Missouri. He will be attending Kansas State University in the Fall where he plans to major in Electrical Engineering. His passion is finding new and safe solutions to produce energy that will sustain our future energy consumption.

Tyana Rasmusan will graduate from Montana Tech of the University of Montana in May of 2017 with a degree in Electrical

Engineering. She is from Butte, Montana and hopes to utilize her "out-of-the-box" thinking skills to make a difference in the world.

Lauren Rippy will be attending Baylor University in the Fall. She will be the fourth generation in her family involved in the power industry. She intends to get involved in mission-oriented groups such as Engineers Without Borders so she can use engineering to better the world.

Kitt Roney is currently attending Arizona State University. She is starting an internship at Arizona Public Service this summer as a Fossil Generation Intern. She has also interned at Southwest Gas Corporation. Kitt is a member of the Society of Women Engineers and served as the Fundraising Chair for the American Society of Mechanical Engineers.

Tanmay Shah will be attending the University Of Illinois-Champaign this Fall. He will be majoring in Electrical/Computer Engineering with a concentration in Power Systems. Tanmay wants to contribute to creating new digital processing systems for smart grids.

Dakota Stormer, another repeat scholar recipient, is from Austin, Texas and is majoring in Chemical Engineering at the University of Texas at Austin. He has worked towards innovative designs of solar-tracking photovoltaic cells, winning an alternative energy competition. Upon graduation, Dakota would like to work for the EPA and advise the Board of Science.

Christopher Wix will be a senior at Colorado State University this Fall majoring in Mechanical Engineering. He currently works at Platte River Power Authority's Rawhide Power Station and previously worked at the City of Fort Collins Power & Light.

This is the 10th year the RMEL Foundation has offered named scholarships. The named scholarship program accepts donations and provides scholarships on behalf of the donor. If your company would like to consider a scholarship please contact RMEL at (303) 865-5544.




The winner of the 2015 Babcock Power Scholarship is Allan Bartlett.

Allan is currently attending the University Of Kentucky where he is double majoring in Electrical Engineering and Computer Hardware. Allen has worked at Kentucky Utilities Transmission Substation Construction Engineering Coop and Kentucky Utility Reliability Engineering Coop. He has also participated in a renewable energy study abroad program in Pamplona, Spain.

# DOWN TIME SUCKS

**Protect your equipment.  
Avoid down time. Make more money.**

HardSteel manufactures chromium-carbide overlay plate and offers complete value-added services.  
Call or click today to see how HardSteel can help.  
Because down time really does suck.

 HardSteel.com  205.343.9100

The winner of the 2015 Black & Veatch Scholarship is Eric Rothmier.

Eric Rothmier is attending the University Of Missouri, majoring in Mechanical Engineering. He has worked for Independence Power Light and Honeywell FM&T in Kansas City. Eric would like to be able to create and modify systems that will keep people safe and solve problems efficiently and effectively.

The winner of the 2015 Burns & McDonnell Scholarship is Dakotah Simpson.

This is the second year Dakotah has received an RMEL Foundation Scholarship. Dakotah is working on his Electrical Engineering Degree at the South Dakota School of Mines and Technology. This summer, Dakotah will be interning with Burns & McDonnell with the Substation Division.

The winner of the 2015 Kiewit Scholarship is Patrick Keep.

Patrick is attending Iowa State University and majoring in Mechanical Engineering. Patrick's goal is to design and develop clean, environmentally friendly fuel sources for the generation of electricity. Patrick also received an RMEL Foundation Scholarship last year.

The winner of the 2015 Ulteig Engineers Inc Scholarship is Samuel Friedman.

Samuel is from Denver, Colorado and is currently attending the Colorado School of Mines where he is working on his Electrical Engineering degree. Samuel hopes to develop renewable resources and plans on pursuing a Master's in Electrical Engineering after completing his undergraduate studies.

The winner of the 2015 Zachry Group Scholarship is Ryan Rickerson.

This is Ryan's second year receiving the Zachry Holdings RMEL Foundation Scholarship. Ryan is currently attending Texas A&M University majoring in Electrical Engineering. His dad works for ERCOT and Ryan has a fascination for the complexity and diversity of the problems solved by engineers. Ryan would like to develop alternative power generation technologies.

RMEL also announced the launch of the "Friends of RMEL" or Scholarship. What makes this scholarship unique is that it is driven by the generous support of individual RMEL members as opposed to a company or organization. After an evening of competitive bidding at the end of

the silent auction at last year's Fall Convention in San Antonio, RMEL members generously reached into their pockets and pledged even more dollars to the scholarship fund. over 45 individuals donated \$100 or more. the foundation board wanted to honor these donors by putting those dollars immediately to work through the "FOR-RMEL" scholarship.

We're proud to announce that the winner of this year's scholarship is Lusina Rangel from San Antonio, TX. Lusina will begin attending St. Mary's University and plans to become an Electrical Engineer.

Over the past 15 years the Foundation has awarded 197 scholarships totaling \$480,500. The RMEL Foundation is proud to award funding to these deserving students for continued education in the electric energy industry. The scholarship donations have been established through individual and corporate donations, as well as contributions from the Silent Auction, Spring Conference Golf Outing and the RMEL Foundation Golf Tournament. To learn more about the RMEL Foundation, visit [www.RMEL.org](http://www.RMEL.org).

Congratulations to all this year's scholarship recipients.

## 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

## 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.

Borton, L.C. • 200 E. First St. • Hutchinson, KS 67501 • Voice (620) 669-8211 • Fax (620) 662-3225 • [borton@borton.biz](mailto:borton@borton.biz)

# Innovation by Lafarge

COAL COMBUSTION  
PRODUCTS

### 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](http://www.lafarge-na.com)



© 2012 Lafarge North America Inc., Reston, VA

**LAFARGE**  
bringing materials to life™





Martonick Publications, Inc.

**Proud to be the Publisher of**  
***Coal Energy***

Martonick Publications, Inc. specializes in publications for associations and non-profit organizations.

***We bring great publications to life!***

Your Source For:

- Trade Publications
- Annual Reports
- Member Directories
- Newsletters
- Anniversary Publications
- Special Edition Magazines
- Conference Programs
- Show Guides
- Custom Publications

Providing full editorial, sales, graphic design and distribution support on every project!

*For information on all of our services, please contact us:  
[info@martonickpublications.com](mailto:info@martonickpublications.com)*

**[www.martonickpublications.com](http://www.martonickpublications.com)**



## FIRST UNION RAIL

A Wells Fargo Company

### The right equipment. The right lease. The right people.

Taking your coal to market efficiently and reliably requires the right equipment. First Union Rail has just what you need: superior railcars and experienced professionals who can offer leasing terms and structures that make sense for your company. Let us help move your business forward with:

- Railcar operating/capital leases
- High-quality, diverse fleet
- Fleet management services

Ready to learn more? Call today at 847-318-7575

[Firstunionrail.com](http://Firstunionrail.com)

© 2012 Wells Fargo & Company. All rights reserved. First Union Rail Corp. is associated with Wells Fargo & Company, a company that is not regulated in Canada as a financial institution, a bank holding company or an insurance company. MC-4383



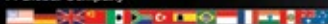
## Delivering Tough, Tested, & Innovative material handling solutions

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



visit [martin-eng.com](http://martin-eng.com)  
call 800.544.2947  
email [info@martin-eng.com](mailto:info@martin-eng.com)

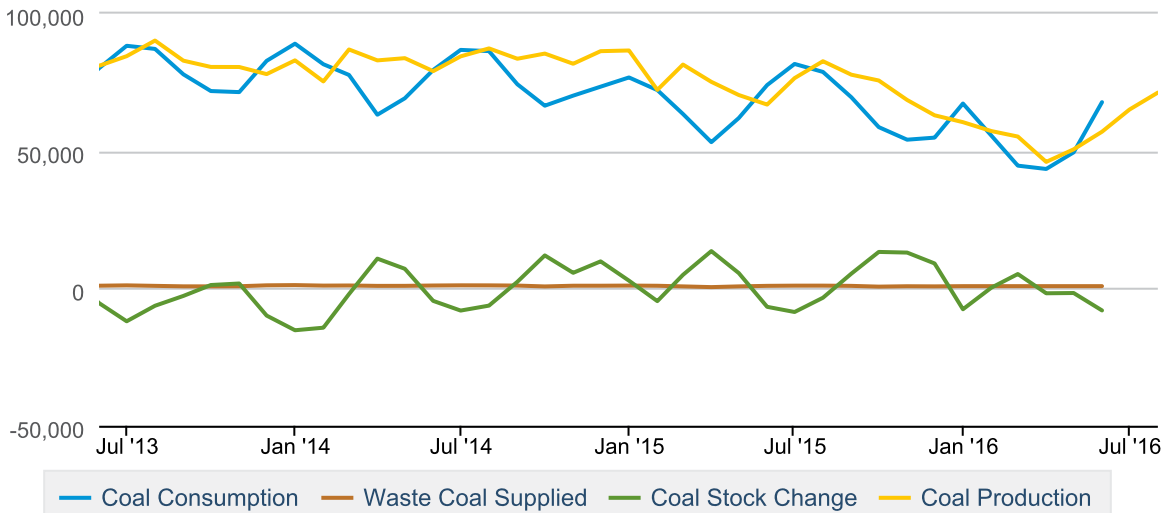
A Global Company



® Registered trademark of Martin Engineering Company in the US and other select locations.  
© 2012 Martin Engineering Company. Additional information can be obtained at [www.martin-eng.com/resources](http://www.martin-eng.com/resources).

# STATISTICS CORNER

Thousand Short Tons



Data source: U.S. Energy Information Administration



## Making Too Many Calls?

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



## Comet

One call does it all! 800-878-9440





# World News: **GERMANY**



## GERMANS HESITATE ON COAL PHASE-OUT TARGET IN MERKEL POLICY PAPER

By Brian Parkin / August, 2 2016



- Government paper avoids setting phase out goal for coal power
- Germany relies on coal even as it tops the EU in green energy

A policy document prepared for Chancellor Angela Merkel shows the German government is hesitating to set fixed coal-reduction targets ahead of national elections.

Even as the European Union's biggest economy boasts the most installed green power on the continent, it also continues to emit the most greenhouse gas in the 28-nation bloc. That paradox is forcing Merkel, who'll campaign for a fourth term in 2017, to manage political constituencies at odds with each other.

The four-page document from June was drafted by the chancellery following the Federal Environment Ministry's advice Germany can meet its commitments to cut emissions. Minister Barbara Hendricks said in January that a coal phase-out could be possible by 2050. Now, according to the document seen by Bloomberg News, the government wants to postpone firm decisions on timing until after elections take place.

Germany is just at "the start point" of formulating its national strategy to comply with the Paris Accord, reads the document. Concrete policy moves such as mapping a shutdown of coal-fired power are "politically controversial" and need careful impact assessments, according to the paper.

A spokesman for the chancellery declined to comment on the climate plan.

### Emission Targets

Merkel is facing conflicting economic forces that threaten to undermine initiatives to mitigate climate change. Hard coal and lignite plants owned by RWE AG and EON SE generated about 43 percent of Germany's power last year. At the same time, investors including Allianz SE and Commerzbank AG have advocated for a speedy phase-out from coal.

Germany committed to cut carbon dioxide emissions by 40 percent in 2020 compared to 1990 levels and has managed a 27 percent reduction at the end of last year. In the French capital in December, Germany signed up to cutting carbon pollution by as much as 95 percent by 2050 from 1990 levels.

Signatories will begin talks putting the deal into law in November. Germany, as chair of next year's Group of Twenty meetings, is expected to endorse bold international climate policies.

## Current National Coal Transportation Association Members

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

# ***Amsted Rail***

## Current National Coal Transportation Association Members

Locomotive Service, Inc.  
Lower Colorado River Authority  
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 COALSALSALES Co.  
Pincok 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](http://amstedrail.com)



## Current American Coal Council Members

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

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



# 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](http://www.scantech.com.au)  
[sales@scantech.com.au](mailto:sales@scantech.com.au)

**COALSCAN**

### COALSCAN

THROUGH BELT  
ELEMENTAL  
ANALYSER



### CM 100

COKE MOISTURE  
MONITOR



### TBM 200 SERIES

MICROWAVE  
MOISTURE  
MONITOR

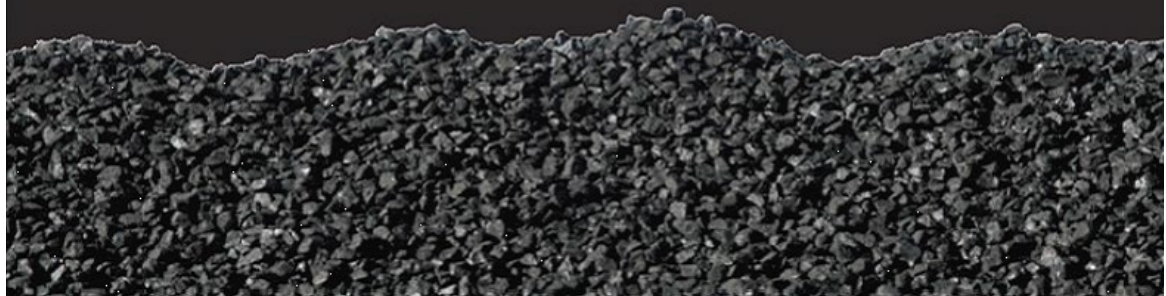


# CTL

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](mailto:Tom.Torretti@cgl.com) A Division of **CGL** Enterprises, Inc.

[www.cglonline.com](http://www.cglonline.com)

## Current RMEL Members

NRG Reliability Solutions LLC NV Energy	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.	Transmission & Distribution Services, LLC TRC Engineers, Inc. Trees Inc Tri-State Generation and Transmission Assn. Trimble Trinidad Municipal Light & Power
O I C Outage Omaha Public Power District Omnicon Technical Sales Osmose Utilities Services, Inc. Otero County Electric Cooperative	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.	
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	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	
Quanta Services	Xcel Energy	
REC Associates Reliability Management Group (RMG) Reliable Power Consultants, Inc. Rkneal, Inc.	Y-W Electric Association, Inc. Yampa Valley Electric Association, 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 Sciencetech	Zachry Holdings, 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.		

## Current Coal Trading Association Members

Alpha Coal Sales Co. LLC Ameren Corp Arch Coal Sales, LLC Argus Media, Inc. Bunge Cargill, Inc. Cloud Peak Energy Resources, LLC CME Group Colorado Springs Utilities CONSOL Energy Dominion Generation	DTE Coal Services Duke Energy Dynegy Eagle River Coal, LLC Energy Ventures Analysis, Inc. Evolution Markets Inc. ICAP Energy LLC IntercontinentalExchange Kiewit Mining Group Inc. Koch Carbon, LLC Mercuria Energy Trading, Inc.	NRG Energy, Inc. Patriot Coal Peabody Coal Trade LLC PPL EnergyPlus, LLC River Trading Company, LTD RWE Trading Americas Inc Starfuels, Inc. Tennessee Valley Authority (TVA) Trayport Inc. United Bulk Terminals Vitol
---	---	---

## 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](http://www.akjindustries.com)  
Email: [jimm@akjindustries.com](mailto:jimm@akjindustries.com)  
Categories: Chemicals, Dust Control, Liquid Solid Separation, Freeze Protection



### 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](http://www.asgco.com)  
Email: [info@asgco.com](mailto:info@asgco.com)  
Categories: Coal Support Services



### HARDSTEEL, INC.

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



### PHOENIX PROCESS EQUIPMENT CO.

Contact: John Waugh  
2402 Watterson Trail  
Phone: 502-499-6198  
Fax: 502-499-1079  
Website: [www.dewater.com](http://www.dewater.com)  
Email: [phoenix@dewater.com](mailto:phoenix@dewater.com)  
Categories: Filters, Dewatering Equipment



HOWDEN NORTH AMERICA  
7909 Parklane Rd., Columbia, SC 29209  
Phone: 800.327.8885  
Website: [howden.com](http://howden.com)  
Email: [sales@howdenbuffalo.com](mailto:sales@howdenbuffalo.com)



### 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](http://www.pennline.com)  
Email: [don@pennline.com](mailto:don@pennline.com)



### SUPERIOR INDUSTRIES

Contact: Corey Poppe  
315 East State Hwy 28 PO Box 684  
Morris, MN 56205  
Phone: 320-589-2406  
Fax: 320-585-5644  
Website: [www.superior-ind.com](http://www.superior-ind.com)  
Email: [corey.poppe@superior-ind.com](mailto:corey.poppe@superior-ind.com)  
Categories: Fans, Material Handling, Ash Handling Systems



### STRATO, INC.

100 New England Avenue, Piscataway, NJ 08854  
Phone: 800-792-0500  
Fax: 800-378-7286  
Website: [www.stratoinc.com](http://www.stratoinc.com)  
Email: [customerservice@stratoinc.com](mailto:customerservice@stratoinc.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](mailto:pcady@fordsteel.com)  
Category: Abrasion Resistant Materials

### TRAXYS NORTH AMERICA

Contact: Matt Reed  
PO Box 308 Ceredo WV 25507  
Phone: 304-781-6618  
Fax: 304-453-6917  
Website: [www.traxys.com](http://www.traxys.com)  
Email: [matt\\_reed@traxys.com](mailto: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](http://www.firstenergycorp.com)  
Email: [fraleym@firstenergycorp.com](mailto:fraleym@firstenergycorp.com)  
Categories: Coal Consumers



## INDUSTRY EVENTS

### AMERICAN COAL COUNCIL

**DECEMBER 5-6, 2016**

Coal Trading Conference,  
New York City

### RMEL

**OCTOBER 5, 2016**

Distribution Engineers  
Workshop  
Lone Tree, CO

**OCTOBER 13, 2016**

Renewable Planning and  
Operation Conference  
Lone Tree, CO

**NOVEMBER 2, 2016**

Electric Energy  
Environmental Conference  
Lone Tree, CO

**NOVEMBER 4, 2016**

Safety Roundtable-  
November 2016  
Fort Collins, CO

**NOVEMBER 9, 2016**

Practical Application of the  
2017 NESC Workshop  
Lone Tree, CO

### COAL TRADING ASSOCIATION

**DECEMBER 5-6, 2016**

15th Annual Coal Trading  
Conference  
Times Square, New York  
City

### AMERICAN SOCIETY OF MINING AND RECLAMATION

American Exploration  
& Mining Association's  
122nd Annual Meeting,  
Exposition & Short Courses  
**DECEMBER 5-9, 2016**  
Sparks/Reno, Nevada

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



Martonick Publications, Inc.

Martonick Publications, Inc is proud to be the publisher of

## Coal Energy

For information on all of our services, please contact us:  
[info@martonickpublications.com](mailto:info@martonickpublications.com)

Your Source For:

- Trade Publications
- Annual Reports
- Member Directories
- Newsletters
- Anniversary Publications
- Special Edition Magazines
- Conference Programs
- Show Guides
- Custom Publications

[www.coalenergyonline.com](http://www.coalenergyonline.com)

## FINE COAL SIZING FROM 6.2MM TO 45 MICRONS



### Coal Processing Benefits:

- Removal of high ash fraction from clean coal spiral product or 6" hydrocyclone underflow
- Ash and moisture content reduction in final product
- Minimal operator involvement
- Polyweb™ screens exceeding 12 months
- Patented technology



Five-Deck Stack Sizer




STAND  
**431**

**Coal Prep**  
International  
2013  
Annual Coal Processing Exhibition and Conference

[www.Derrick.com](http://www.Derrick.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](http://www.flyashdirect.com)

In partnership with:  
 **BASF**  
The Chemical Company



## Upcoming Issue

COAL'S FUTURE  
WORLD NEWS : POLAND  
MEMBERSHIP DIRECTORY

## Index to Advertisers

Amsted Rail	28,29	<a href="http://www.amstedrail.com">www.amstedrail.com</a>
Borton, L.C	22	<a href="http://www.borton.biz">www.borton.biz</a>
CH2M Hill	14	<a href="http://www.ch2mhill.com/power">www.ch2mhill.com/power</a>
Comet Industries	25	N/A
Consolidated Terminals LC	33	<a href="http://www.ctlconline.com">www.ctlconline.com</a>
Derrick Corporation	36	<a href="http://www.derrick.com">www.derrick.com</a>
Dry Systems Technologies	OBC	<a href="http://www.drysystemstech.com">www.drysystemstech.com</a>
First Union Rail	24	<a href="http://www.firstunionrail.com">www.firstunionrail.com</a>
Fly Ash Direct	37	<a href="http://www.flyashdirect.com">www.flyashdirect.com</a>
Freight Car America	10	<a href="http://www.freightcaramerica.com">www.freightcaramerica.com</a>
Trinity Rail	IBC	<a href="http://www.trinityrail.com">www.trinityrail.com</a>
HardSteel, Inc.	20	<a href="http://www.hardsteel.com">www.hardsteel.com</a>
La Farge	22	<a href="http://www.lafargenorthamerica.com">www.lafargenorthamerica.com</a>
Martins Engineering	24	<a href="http://www.martin-eng.com">www.martin-eng.com</a>
McDonald Farm Enterprises, Inc	21	<a href="http://www.mcdonaldfarmsinc.com">www.mcdonaldfarmsinc.com</a>
Progress Rail	2	<a href="http://www.progressrail.com">www.progressrail.com</a>
Scantech	33	<a href="http://www.scantech.com.au">www.scantech.com.au</a>
Son Haul Inc	11	<a href="http://www.son-haul.com">www.son-haul.com</a>
Utter Construction, Inc	8	<a href="http://www.utterconstruction.net">www.utterconstruction.net</a>
White Oak Resources LLC	11	<a href="http://www.whiteoakresources.com">www.whiteoakresources.com</a>





## Coal Transportation Solutions

America relies on coal, and when it comes to rail transportation for coal, you can rely on TrinityRail. Products such as our rugged rotary gondolas, industry-leading Rapid Discharge® cars and now the revolutionary RDL™, our newest coal car innovation, make TrinityRail your time-tested industry leader. With a complete line of proven and reliable coal car products and services, TrinityRail makes coal transportation effortless. As your single source provider, TrinityRail continues on track to meet your challenges and deliver new ideas.

## Your Single Source

TrinityRail delivers a complete line of innovative railcars and components, comprehensive fleet management and leasing options, and dedicated field service. A fully integrated suite of transportation and logistics services, TrinityRail Asset Management Solutions (T-RAMS®), provides improved fleet utilization, reduced working capital requirements, and more effective administration and management of your rail equipment.

TrinityRail provides a unique perspective and in-depth understanding of rail equipment operations, which helps keep your fleet rolling. With access to a world-class team of transportation experts and a full-range of products and services, TrinityRail can help you increase the return on every component of your investment. Wide-ranging, integrated solutions designed to make rail shipping cost-effective and trouble-free – that's what TrinityRail is all about.

Your Single Source. TrinityRail



*Built to Deliver®*

2525 Stemmons Freeway, Dallas, Texas 75207  
214.631.4420 Fax 214.589.8623  
[www.trinityrail.com](http://www.trinityrail.com)



# We Build...You Haul

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



**Dry Systems  
Technologies®**

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



*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](http://www.drysystemstech.com)