

Issue 3, 2022

# Coal Energy

FROM THE MINE TO THE UTILITY

**ENERGY POLICY SHOULD  
SUPPORT AFFORDABILITY,  
NOT UNDERMINE IT**

**WYOMING  
INNOVATION  
CENTER**

**WE WILL REGRET  
CLOSING DOWN  
OUR RELIABLE COAL  
PLANTS**

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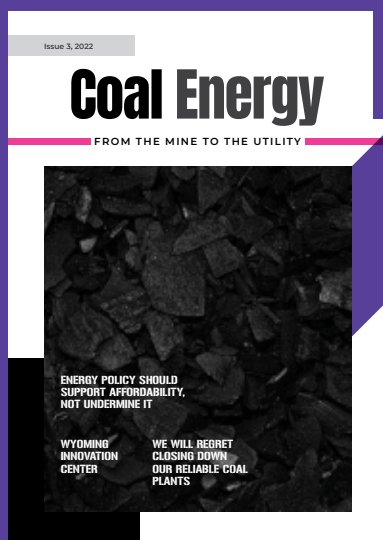
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Dear readers,

Welcome to Issue 3, 2022 of **Coal Energy**.

In this issue, we take focus on the Wyoming Innovation Center, a facility that aims to research the different uses of coal.

In our feature opinion, we take a look at why energy policy should never undermine affordability. Supporting that opinion, we have a sound off column on why we will regret closing down our reliable coal plants.

In every issue, **Coal Energy** includes a world news piece to bring the reader up to date on import/export and investment news around the globe. In this edition we review why the energy crisis is reviving coal demand and production and see some examples of revived coal projects in countries worldwide.

**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.

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You can also like and share our facebook page ([www.facebook.com/coalenergyonline](http://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**.

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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](mailto:maria@martonickpublications.com).

Warmest regards,

Maria Martonick  
President  
Martonick Publications, Inc.



# Association Comparisons



<https://www.nma.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



<https://www.movecoal.org/>

## NATIONAL COAL TRANSPORTATION ASSOCIATION

### Mission:

To promote the safe, economical, and reliable transport of coal by facilitating communication among coal transport, allied industries and associations to maximize sharing of best practices to serve the needs of industry and the public.



<https://WWW.ASRS.US>

## AMERICAN SOCIETY OF RECLAMATION SCIENCES

### Mission:

ASRS's mission is to represent and serve a diverse international community of scientists, practitioners, private industry, technicians, educators, planners, and government regulators involved in mineral extraction and disturbed ecosystem reclamation.

ASRS 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 publication, Reclamation Sciences, and the ASRS website.





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## 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.



<https://www.americancoalcouncil.org>

## 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.



<https://www.worldcoal.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.



<https://www.rmcl.org>

## RMEL

### Mission:

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# ENERGY POLICY SHOULD SUPPORT AFFORDABILITY, NOT UNDERMINE IT



**T**he United States is playing energy inflation whack-a-mole. Gasoline prices have retreated from wallet-draining summer highs, but consumers now find themselves looking at surging natural gas and electricity bills. The global energy crisis — driven by a warring Russia cutting oil and gas to western Europe — continues to batter both energy markets and American families' budgets. U.S. natural gas prices, which had been extraordinarily low for a decade, have doubled this year — and quadrupled since the start of the pandemic, even reaching 14-year highs in August.

As natural gas prices go, so goes electricity. Natural gas is used to generate nearly 40% of America's power, the largest share of U.S. electricity. The U.S. consumer-price index for electricity in August climbed 15.8% from August 2021, the biggest such 12-month increase in 40 years. In states where natural gas accounts for far more than 40% of power — such as in New England and New York — wholesale electricity prices are soaring even higher. They're projected to jump 96% and 124%, respectively, by year's end. Consumers are going to feel this surge in gas prices in ways

they haven't before. The U.S. has fumbled away much of the fuel diversity that was once the hallmark of our electricity mix. As regulatory pressures and clean energy mandates have pushed half of the U.S. coal fleet into retirement, many utilities no longer have the option to turn to a different fuel when gas prices spike.

In the past, as the price of gas would rise, the coal fleet could be used to act as an affordability barrier, ramping up production and shielding consumers from higher prices. With that shield either weakened — or even gone in some regions — consumers are destined to take soaring natural gas prices on the chin.

Today's lack of balance is a policy failure that we must learn from. The race to shutter America's coal fleet before reliable, affordable alternatives are in place has left the nation perilously dependent on an overstretched natural gas system — and at the mercy of natural gas prices.

While natural gas was supposed to be a bridge to the future, we're stuck on that bridge and paying the price. The better approach — one we can still take — is to open new lanes across the bridge



for a balanced fuel mix. Natural gas, coal, and nuclear power are all critically needed to provide stability and fuel diversity until such time as emerging technologies can reliably shoulder some of the load. Despite this need for balance, we're actively undermining it. The U.S. Environmental Protection Agency is pursuing a suite of regulations with the sole intent of forcing accelerated coal plant closures. It's a policy alarmingly detached from global events and consumer needs. Singular focus on reducing carbon emissions has relegated electricity affordability and even grid reliability to the backseat. Consumers are already paying the price for our energy policy missteps. Now is the time for Congress to

insist on a policy pivot to head off an energy crisis that has the potential to be of unprecedented magnitude. Energy price volatility has no end in sight. What America needs is an energy policy that insulates consumers from soaring prices and accepts the limits of integrating intermittent wind and solar power. This is the blueprint that will ensure we have an affordable and reliable supply of power as we navigate the future. Recognizing and embracing the value of the fuel diversity we still have within our grasp — instead of carelessly tossing it aside — is just the place to begin. Matthew Kandrach is president of Consumer Action for a Strong Economy, a free-market advocacy organization.



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# US DEPARTMENT OF LABOR AWARDS \$985K TO FUND MINE SAFETY AWARENESS, EDUCATION, TRAINING IN KEY MINING INDUSTRY STATES



*Brookwood-Sago grants seek to make mining safe for workers, operators*

**W**ASHINGTON – The U.S. Department of Labor today announced the award of \$985,284 in grants to support the development and delivery of education and training by 10 organizations that will help identify, avoid and prevent unsafe working conditions in, and around the nation's mines. Supported by the Brookwood-Sago Mine Safety grant program, recipients will create training materials, promote and conduct mine safety training or educational programs, and evaluate their effectiveness. The awards align with the department's Mine Safety and Health Administration's emphasis on targeting programs and materials for smaller mines and the miners working at them. MSHA is seeking to educate miners and industry employers about new federal standards, and high-risk

activities or hazards the agency identifies.

"The Mine Safety and Health Administration exists to protect the safety and health of the nation's miners," said Assistant Secretary for Mine Safety and Health Chris Williamson. "The tragedies at the Brookwood and Sago mines are stark reminders of the risks miners face on the job. The grants we're awarding today will support critically important training and education that the people working in our mines need and deserve."

Established under the Mine Improvement and New Emergency Response Act of 2006, the program honors 25 miners who died in mine disasters at the Jim Walter Resources #5 mine in Brookwood, Alabama, in 2001, and at the Sago Mine in Buckhannon, West Virginia, in 2006.





The recipients Brookwood-Sago grants in fiscal year 2022 are as follows:

- University of Alabama at Tuscaloosa received \$158,962, to develop training materials for a three-hour, instructor-led course to raise workplace hazards awareness among new, inexperienced surface mine operators.
- Arizona Board of Regents at the University of Arizona in Tucson received \$157,936, for comprehensive training, assessment and compliance reporting tools in its "SMARTer Training: A Data-Driven, Collaborative Toolkit to Improve Training and Reporting Outcomes for Contractors and Small Mine Operators" project.
- Hutchinson Community College in Kansas received \$100,300, for hazard recognition training materials to include virtual reality simulation and traditional materials to train Kansas and Nebraska miners.
- Southeast Community and Technical College in Cumberland, Kentucky, received \$82,438 to develop, market, deliver and evaluate Parts 46 and 48 coal and metal nonmetal Powered Haulage and Mobile Equipment Safety Training.
- United Mine Workers of America Career Centers Inc. in Prosperity, Pennsylvania, received \$55,046 to develop a bilingual "Miners' Statutory Rights Awareness" training program to complement existing miner's statutory rights training that may be used to either inform new miners or reinforce the understanding of experienced miners of their legal rights under U.S. laws and

regulations and the appropriate response(s) if they encounter unsafe or unhealthy working conditions.

- South Dakota School of Mines and Technology in Rapid City received \$120,000, to develop virtual reality training, interactive training materials and New Miner Training Program focused on prevention of unsafe conditions in mines, bring awareness to hazards and preparedness.
- Western Dakota Technical College, also in Rapid City received \$109,945 for training focused on power haulage and mobile equipment safety, and mine emergency prevention and preparedness.
- The University of Texas at Arlington received \$50,000 for training materials focused on identifying fall hazards and best practices in reducing minors' workplace injuries and fatalities; and to develop fall prevention training for miners.
- Virginia Department of Energy in Big Stone Gap received \$50,000 to enhance the virtual reality training to simulate conditions at mine sites to help identify, avoid and prevent unsafe working conditions and avoid unsafe





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# WABTEC CELEBRATES 10 YEARS IN FORT WORTH



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October 2022



**F**ort Worth welcomed a new resident in October 2012 as Wabtec opened the doors to a 1-million-ft<sup>2</sup> locomotive plant and 250,000-ft<sup>2</sup> mining plant. The region was an ideal location for Wabtec's new plants. The Dallas/Fort Worth metroplex offered a strong talent pool, leading universities, a major international airport, proximity to key customers, and resources to compete in the global marketplace. Additionally, there was a rail line that could be

converted into a test track. With those ingredients for success, Wabtec's team in Fort Worth established the site as one of the premier production facilities for the rail and mining industries over the next 10 years. The site increased productivity and flexibility of Wabtec's North American manufacturing operations enabling the company to better serve its customers. "This anniversary is a tribute to the dedication

and focus of the Fort Worth team," said Justin Downs, Group Vice President for Wabtec's Freight Operations. "They have positioned the site as one of Wabtec's most productive operations by demonstrating the ability to take on different types of work and exceeding customer expectations." The 94-acre site's capabilities have diversified and grown throughout the decade. The plants' original focus was primarily the production of new locomotives and drive systems for mining haul trucks. However, the team has since added modernization and kitting work to the million-square-foot locomotive plant, while the 250,000-ft<sup>2</sup>

mining facility added the production of truck control boxes. The site also added a 262,000-ft<sup>2</sup> warehouse to support the locomotive and mining plants right across the street. The mining plant on the site also delivered more than 5,300 AC wheel transmission axles, 2,200 retarders, and 1,700 control groups for 150- to 400-ton capacity haul trucks. "We could not have achieved this level of success alone," said Dave Cox, Group Vice President of Wabtec's Mining and Components Operations. "Thanks to the support from the community, suppliers, and other Wabtec sites, our team positioned the site and the company for success for years to come."





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# THE END OF AN ERA AT SAN JUAN



**W**estmoreland San Juan Mining LLC announced on September 13 that its underground crews mined the last ton of coal destined for the San Juan Generating Station (SJGS) located in San Juan County, New Mexico. Beginning as a surface mining operation in 1973 when Unit 1 came online, the San Juan and La Plata mines have been the sole supplier of coal to SJGS for nearly five decades. At its peak, the four units at the power plant generated 1,848 MW of electricity for millions of households and countless businesses across New Mexico, Arizona, California, and Utah. Eventually transitioning to an underground operation with a longwall mining system, the San Juan mine has been “home” to thousands of employees over the years and has played a transformational role in the prosperity and commercial development of the surrounding communities. According to Martin Purvis, Westmoreland’s CEO, the discussion is no longer about policy debates surrounding the generating station and mine, but about finally saying thank you.

“Ignoring all the rights, wrongs, and arguments about the premature closure of this amazing facility, we as a company want to make sure that we say thank you to the men, women and communities that have worked together so effectively over the years to make this mine and generating station a bedrock of power supply in the Southwestern United States,” Purvis said.

Steve Pierro, the mine’s General Manager is one of those people. Pierro, who is retiring after 40-plus years in mining to spend more time with his wife, eight children, and 33 grandchildren, agrees and reflects fondly back on the mine’s performance as well as

this time there. “It’s hard to see the mine close,” he said, “but as I look back on all we accomplished and all the incredible people I’ve had a chance to work with, I can’t help but be extremely proud of our outstanding track record at this operation. We have put a lot of people from all walks of life to work. We have injected millions of dollars back into the local economy — as well as millions of dollars to local and national charities. We have provided countless educational and training opportunities to our workers so they could improve their lives and those of their families. And, to top it all off, we have had one of the top safety and compliance records in North America. That’s really something to be proud of.”

But as Pierro points out, none of that would have ever been possible without one key element — that is, people. “I think it’s important to remember that we are a very diverse community of people who came here and made this mine and power plant work . . . from young people coming to us from the Navajo Nation who were just starting out, to experience longwall operators, to foreman and supervisors, to engineers and environmental technicians, to the hundreds of vendors and suppliers from this community and across the globe. We need to remember that all of them have had an important role in powering the economic development of the Western United States over the past 50 years.” James Pile, an engineer who came to San Juan from the United Kingdom, agrees with Pierro’s sentiment but has a slightly different focus — his own quality of life and that of his family. “I can’t tell you enough how truly grateful I am to this mine,” Pile said. “In the 24 years I have been here, it has given me

and my family financial and educational opportunities, as well as a standard of living well above the one we could have expected, had we stayed in the UK.”

Emma Curley has been with the mine for 29 years. Emma started out as a novice long-haul truck driver for the company. Today, the mother of one who grew up on the Navajo reservation is an experienced mining supervisor. I’m very proud of my career and position here at San Juan. But, you know, I am also a member of the Fire and Rescue Team. I have an EMT certification. I can take that with me almost anywhere and find a job . . . but, more importantly, it enables me to serve my community. That really means a lot to me,” Curley said. Asked if she will miss her work and her colleagues, Curley replies, “Nowhere else would I have had access to the advanced opportunities, growth, and financial stability to take care of my family. So, yes, it’s hard to move on. But I’m very thankful for the San Juan mine and all my coworkers here. They’ve given me far more than I could’ve ever hoped for.”

Jeffrey Kukura, who served as San Juan’s General Manager before becoming Senior Vice President for Technical Services for the company in its Denver office, agrees with Pile, Curley, and Pierro. But he takes it a step further. “They’re heroes, without any doubt in my mind at all,” he exclaims with pride. “It’s really true, this mine and our miners really have been the heroes of this community and our nation,” he says. “The quality of life we enjoy today would not and could not have been possible without them and a lot of people like them.”





# PEABODY REPORTS RECORD REVENUE FOR Q2 2022

**R**evenue for Peabody Energy increased by more than 80% to \$1.3 billion compared to the prior year quarter, due to higher realized prices in every segment. "For the first time as a public company, cash exceeds our debt balance," said Peabody President and CEO Jim Grech. "While we expect a strong second half, severe July rains in Australia will impact third quarter production, sales, and costs, and we have revised full year expectations to reflect these continuing challenges." The company's second quarter 2022 results included a \$24.5 million charge for unrealized mark-to-market losses related to its coal hedging activities. The world's largest publicly-held coal producer reported adjusted EBITDA of \$578 million, the highest quarterly result in more than a decade, as a result

of record seaborne pricing. With \$342 million of free cash flow, its cash balance exceeds its total long-term debt by \$74 million. During the second quarter, Peabody shipped the first metallurgical coal from Moorvale South in Australia. The Shoal Creek mine in Alabama completed set-up and commenced production on the J2 longwall panel. The company said it continues to assess

development of 70 million tons of the southern reserves at North Goonyella. It increased 2023 Powder River Basin (PRB) sales to 68 million tons. During the second quarter, Peabody's seaborne thermal segment shipped 4 million tons and increased export tons 22% to 2.2 million tons compared to the first quarter. The average export realized price increased 21% to \$143.43/ton, despite 264,000



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metric tons (mt) sold at \$84/mt under the hedge program, which extended the life of the Wambo underground mine. Second quarter seaborne thermal segment costs of \$43.85/ton were higher primarily due to higher sales price, sensitive costs, and fuel prices. Substantial rain and COVID impacts during the quarter reduced overburden removal productivity by 18%, which will impact second half volume. Wilpinjong shipped 3.3 million tons at an average realized price of \$85/ton, which included 1.5 million tons of export sales at an average realized price of \$167/ton and 1.8 million domestic tons. Average Wilpinjong costs of \$33.50/ton were 19% higher than the prior quarter due to higher sales price, sensitive costs, and fuel prices. Peabody's seaborne met segment shipped 1.6 million tons at an average realized price of \$330.56/ton, a 28% increase in realized prices compared to the first quarter. Tons sold increased by approximately 400,000 tons, with

higher production volume from the Coppabella and Moorvale Joint Venture. Total segment costs of \$144.91/ton increased 28% from the prior quarter primarily due to higher costs at Shoal Creek from the transition to the J2 longwall panel, completion of a longwall move at Metropolitan, sales price, sensitive costs, and higher fuel prices. The company's PRB operations shipped 18.5 million tons at an average realized price of \$12.44/ton in the second quarter. Tons sold for the quarter were impacted by further degradation of PRB rail performance, resulting in 4 million less tons shipped than ordered by customers. PRB costs per ton increased by 6% over the prior quarter to \$12.55/ton primarily due to lower production volume and higher fuel costs. During the second quarter, Peabody's other U.S. thermal segment, which includes Twentymile and its Midwest Operations, shipped 4.4 million tons at an average realized price

of \$51.40/ton, a 6% increase in realized prices compared to the first quarter. Costs per ton increased 2% due to higher repair spend and fuel prices.

Peabody lowered its full year seaborne thermal guidance by 1.0-1.3 million tons due to the impacts on productivity from rain and COVID absenteeism delaying re-establishment of mine sequencing, saying it expects third quarter export volume to be 1.8 million tons, with 1.1 million tons priced at \$147/ton (including 264,000 mt hedged at \$84/mt). Approximately 500,000 tons from Wilpinjong and 200,000 tons from Wambo remain unpriced. The company said full-year seaborne met volume was expected to be toward the high end of previous guidance. Peabody lowered its PRB volume guidance by 5-8 million tons due to increasingly weak rail performance. Meanwhile, the other U.S. thermal volumes have been increased 500,000 tons due to increased demand.



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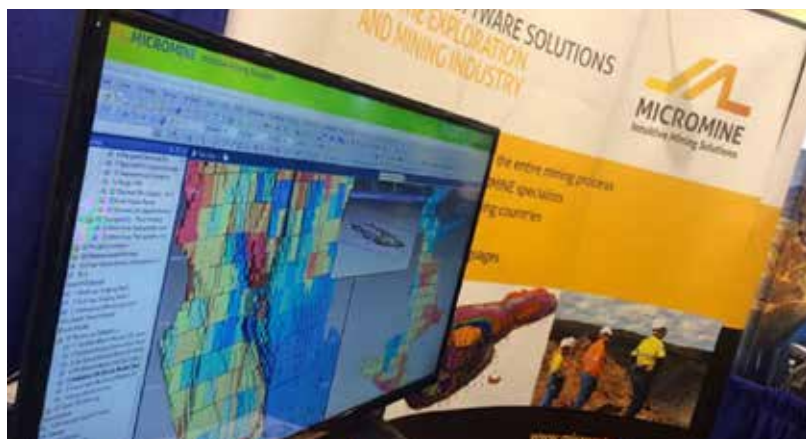
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# AspenTech partners with Micromine to further expand its software portfolio

**A**spen Technology, Inc. (AspenTech), an industrial software solutions firm, announced that it has entered into a definitive agreement to acquire Micromine – a global player in design and operational management solutions for the mining industry, from private equity firm Potentia Capital and other sellers for AU\$900 million in cash (approximately US\$623 million).



## What does Micromine bring AspenTech's portfolio?

The transaction complements AspenTech's existing asset optimization solutions and positions the company in a leadership role to deliver the "Digital Mine of the Future," in support of excellence in operations with a focus on safety, sustainability, reliability, and efficiency. AspenTech is now uniquely positioned to help clients address the demands of a growing population

with an increasing standard of living, while reaching sustainability goals. AspenTech's expertise in digitally transforming the chemicals and oil and gas industries will be vital to the mining industry as it embarks on rapid digitalization. Micromine participates in the Smart Mining Market, a market which in 2022 is about \$11.5bn. Based on Micromine's tech, their segments of the total Smart Mining Market are \$5.3bn and cover Data Management

and Analytics, Smart Asset Management and other solutions. With a 35-year track record of success and 280 employees across 22 offices, Micromine provides mission critical solutions for over 800 blue-chip clients across all mining operations and commodities with a focus on various metals essential for the energy transition such as lithium, cobalt and nickel, base metals like copper and iron ore, and precious metals like gold.



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## What were the terms of the transaction?

AspenTech currently intends to finance the transaction through a combination of cash on hand and additional indebtedness and has entered into a commitment letter with JP Morgan Chase Bank, N. A. (JPM) pursuant to which JPM has committed to provide an unsecured bridge term loan in the amount of US\$475 million, subject to customary limited conditions. The acquisition is expected to close in the fiscal second quarter of 2023, subject to regulatory approvals. Goldman Sachs & Co. LLC and Atrico Pty Ltd are

financial advisors and DLA Piper is the legal counsel to AspenTech. JP Morgan is the financial advisor and Johnson Winter & Slattery is the legal counsel to Micromine, Potentia Capital and the other sellers



Antonio Pietri, President and Chief Executive Officer at AspenTech



Andrew Birch, CEO, Micromine



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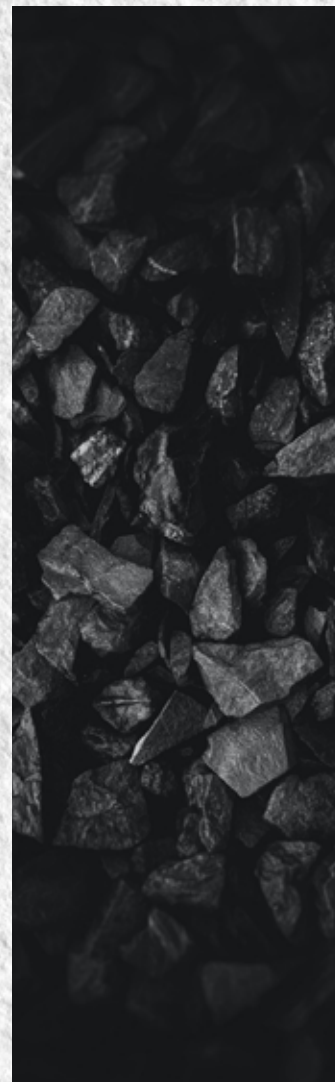
# West Virginia relies heavily on coal based electric generation



By: Chris Hamilton, President & CEO WV Coal Association

West Virginia historically has enjoyed among the lowest cost electric rates in the country, a trend which continues today despite universal higher energy costs. The fact that West Virginia relies heavily on coal based electric generation is the primary reason West Virginians have a lower base rate than the majority of Americans. Generation from existing coal assets in West Virginia can be as much as 50% less expensive than buying power in the wholesale electricity market or the power produced by generating sources other than coal. For example, generation costs from our state's existing coal fired power plants is over \$9 cheaper per kilowatt hour than power purchases from the wholesale PJM energy market, \$12 less expensive than natural gas-powered generation, \$14 cheaper than solar sources and a full \$42 less expensive than wind generation. The cost of coal generation has also been remarkably stable as domestic fuel costs have skyrocketed in response to a global energy crisis. Since January 2021, the average cost of natural gas to produce electricity has increased just shy of 150%, with costs per MMBtu climbing almost \$5 since January 2021. In contrast, the

average cost of coal delivered to U.S. utilities has increased only 10%, or about 22 cents per MMBtu. Rapidly increasing natural gas prices have fueled a corresponding dramatic increase in electric rates around the country. Since January 2021, average U.S. electric rates have gone up almost 25%. The same is true in the nation's largest electric grid management system, PJM, where prices have increased 27 percent. Thanks to its coal industry and dependence on coal fired electricity, West Virginia's electric customers have been protected from these price shocks. Prices have gone up in the Mountain State as well, but only by about 14 percent and electricity in West Virginia is almost \$3 cheaper than the average national power cost and those of our surrounding states and the PJM grid operator. In addition to its low cost, coal-fire electricity offers superior advantages over other forms of base fuel for electric generation in terms of reliability, grid integrity and overall security. Coal had been our fuel of choice since West Virginia first became a state and it has powered us through two world wars, the industrial age and is responsible for the electrification of America and our extraordinary quality of life.





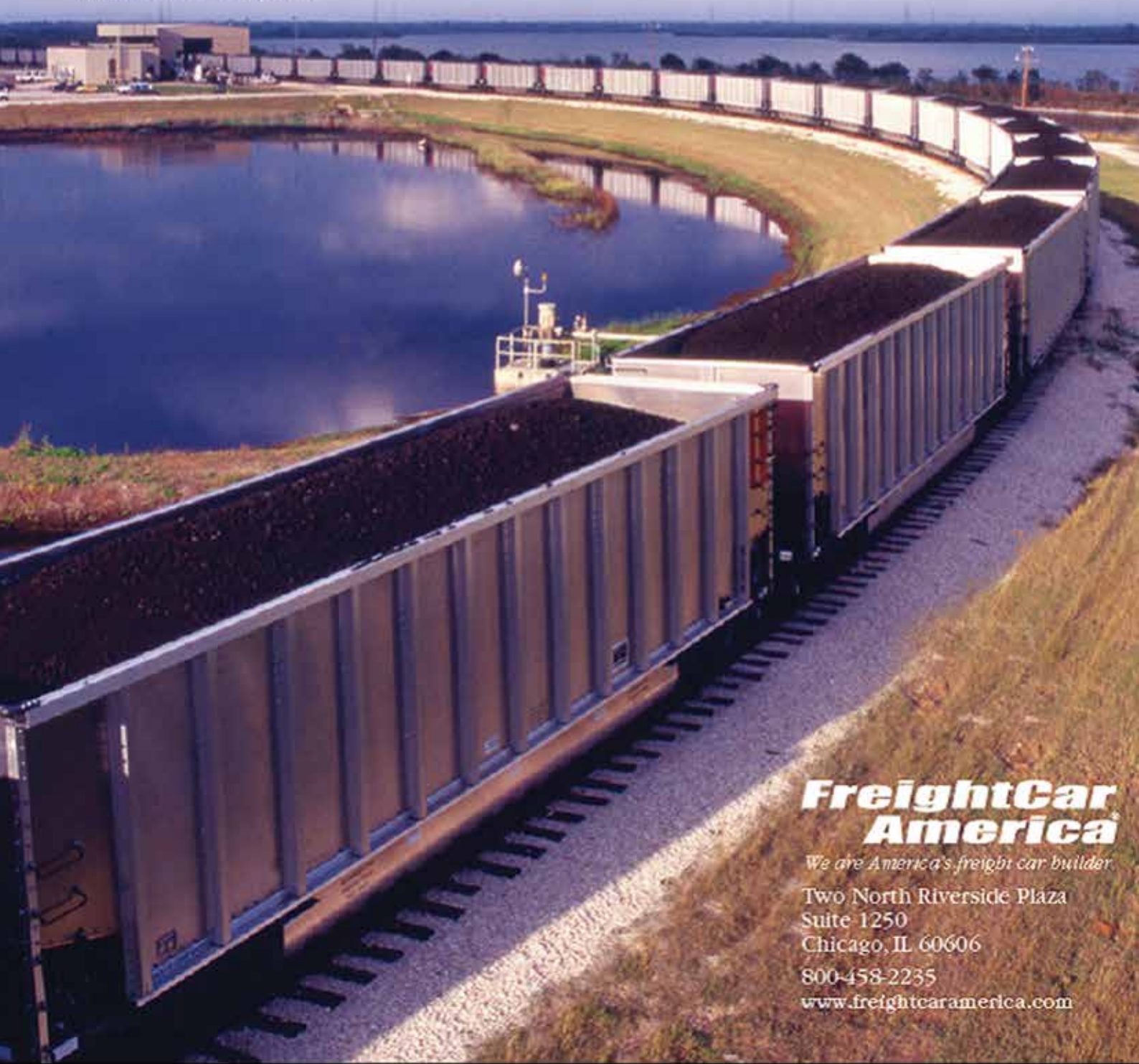
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## America's Coal Association's Issues Response to President Biden's Comments Regarding 'Shutting Down Coal Plants Across America'



**C**HARLESTON, W.Va. -In response to comments by President Joe Biden over the weekend stating that "we're going to be shutting [coal] plants down all across America" America's Coal Associations issues the following response:

President Biden's insistence that coal plants and coal miners be shuttered serves as an affront to the 381,000 hard working men and woman across America who work in some capacity with coal mining. Aside from the callousness, the President's remarks reflect recklessness and total ignorance of coal's value to our nation's independence, defense and security.

Mining is among our country's most honorable professions, contributing significantly to our industrial job base and to local, regional, and national economies. Our miners are an essential part of our nation's fabric with many of

their spouses working as teachers, nurses, Sunday School teachers and every imaginable profession throughout our society. Our industry fully supports clean air and a clean environment. We take great pride in our environmental compliance record and overall stewardship of the land. Our mining operations are among the world's best and our industry's record in the US is superior to similar mining complexes around the world. The technological advancements employed at our mines and electric manufacturing facilities are second to none. Our nation's infrastructure and national defense systems depend on coal as does the secured delivery of household and industrial electrical supplies. Continuous base load electric generation that only coal provides keeps the electric grid secured and ensures our country's energy independence.

Coal is what built our country into the world superpower it is, and coal will continue to be a strong economic driver for years to come. Frankly, our miners deserve more from their government and their President! God Bless our "Freedom miners" and families. America's Coal Associations are supportive of an all-of-the-above energy strategy but believes the United States should not trade one energy job for another or unnecessarily shorten the life of these foundational contributors to our economy and industrial job base.

**AMERICA'S  
COAL ASSOCIATIONS**



The following State Coal Associations and Groups have signed on to the above response:

- Emily Arthun, Executive Director, American Coal Council
- Randy Eminger, Executive Director, Energy Policy Network
- Nick Williams, President, Illinois Coal Association
- Tucker Davis, President, Kentucky Coal Association
- Mike Cope, President Ohio Coal Association
- Rachel Gleason, President, Pennsylvania Coal Alliance
- Matt Bell, President Reliable Energy, Inc. (Indiana)
- Judy Colgan, Executive Director, Rocky Mountain Mining Institute
- Chuck Laine, President, Tennessee Mining Association
- Ches Blevins, President, Texas Mining and Reclamation Association
- Travis Deti, Executive Director, Wyoming Mining Association
- Chris Hamilton, President, West Virginia Coal Association

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# West Virginia Coal Association Takes Issue With EQT-Led Anti-Coal Organization



**C**HARLESTON, W.Va. - In response to the launch of a natural gas industry-led initiative to replace coal with natural gas to purportedly assist our European allies, the West Virginia Coal Association called the organization's mission "irresponsible" and "counter to the welfare of European citizens and the global and US economies". Chris Hamilton, President of the West Virginia Coal Association said, "Our European allies are struggling to acquire the fuel they'll need for consumer home heating and industrial purposes. They require all means necessary - coal, gas and intermittent sources - to power their economies for the foreseeable future. Calling for the eradication of coal is nothing more than a political hook on their part to incentivize gas pipeline development in America."

On October 11, a group of natural gas production and transmission companies - led by EQT, TC Energy and Williams Company, launched an initiative (the Partnership to Address Global Emissions) with the goal to "replace foreign coal with a reliable, affordable supply of cleaner U.S. natural gas".

"The United States has the ability to develop both coal and gas for domestic and international use and

Americans should not tolerate one industry working to replace the other," said Hamilton. "Frankly, unlike natural gas, the infrastructure to mine, transport and ship coal is already in place. The world needs America's high quality thermal and metallurgical coals for power generation and steel making. The European Union is working to replace upwards of 45 m/tons of Russian coal and American coal is tailor-made for Europe's electric generation facilities and coking ovens." "Also, as recent world events clearly demonstrate, coal is the only base fuel for power generation that can withstand acts of terrorism and provide around-the-clock reliable energy and enhanced national security."

The West Virginia Coal Association is supportive of an all-of-the-above energy strategy but believes the United States should not trade one energy job for another or unnecessarily shorten the life of these foundational contributors to our economy and industrial job base.

According to a recent study by the Bureau of Business and Economics Research at West Virginia University, the nation's coal industry accounts for 371,000 high paying jobs across America's heartland and contributes \$261 billion dollars into the national economy.





# SCENES FROM THE KENTUCKY COAL ASSOCIATION ANNUAL MEETING 2022



The Kentucky Coal Association held its annual meeting for 2022 on October 14 at Malone's Prime Events Center in Lexington. Speakers for the meeting included Senator Rand Paul; Rep. Andy Barr; Kentucky State Treasurer Allison Ball; KCA Attorney Clay Larkin; KCA Lobbyist Amy Wickliffe; Mark Heath, an attorney with the law firm of Spillman, Thomas & Battle in Charleston, West Virginia, and Ambassador Kelly Craft, who is running for governor. Ball was presented with a Friends of Coal Award for 2022.

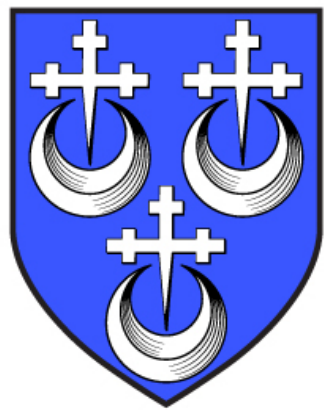
In the photo above, Kentucky Coal Association President Tucker Davis (second from left) joins Clay Larkin, Joe Craft, David Lamb and Kentucky State Treasurer Allison Ball, recipient of the KCA's Friends of Coal Award for 2022.



Ambassador Kelly Craft shared her vision for Kentucky's future at the Kentucky Coal Association Annual Meeting last week.



Congressman Andy Barr joined the Kentucky Coal Association's Annual Meeting to discuss the importance of combating the use of ESG by financial and investment firms.



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# BIDEN WAR ON COAL CONTINUES, USING TAXPAYER MONEY TO PAY COUNTRIES TO MOVE AWAY FROM COAL



**W**eeks before international climate negotiations convene in Egypt, US officials are working to broker multibillion-dollar plans to steer some of the world's most populous countries to cleaner forms of energy. "We're very much engaged in negotiating with Indonesia, with Vietnam, with South Africa and Mexico," John Kerry, the US special presidential envoy for climate, said in an interview Thursday. "There's a lot of energy going into these efforts." Kerry is set to visit Vietnam next week and will travel to Mexico again before the UN climate summit in November, he said. That comes amid ongoing negotiations with Indonesia and work to develop a detailed investment plan for a landmark \$8.5 billion initiative to shift South Africa's power system

away from coal. The regional initiatives are part of an effort to drive green energy and climate progress in developing countries, buttressing broader multilateral efforts. Rich countries have been encouraged to provide financing to support clean-energy initiatives to nations such as South Africa and Indonesia under a rubric branded "just energy-transition partnerships." "We're creating a formula by which countries are able to embrace real transformation to move to a clean energy economy," Kerry said. Meanwhile, Kerry said he continues to press Wall Street to drive billions of dollars into clean-energy projects around the globe. "We're working on a way to attract private capital to the table in a way that has environmental integrity and which can accelerate the deployment of funds."

  
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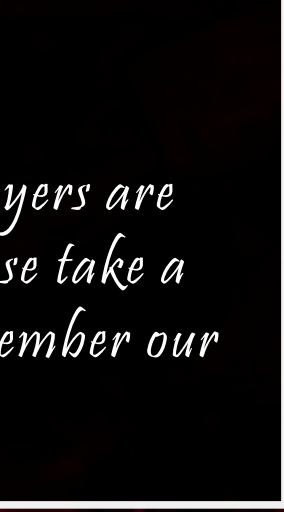
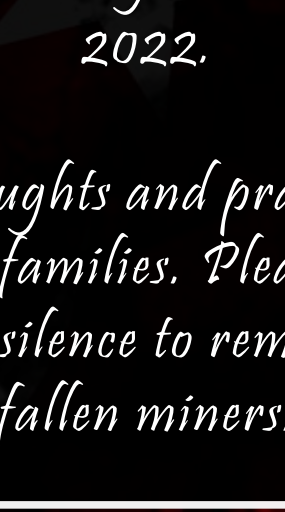
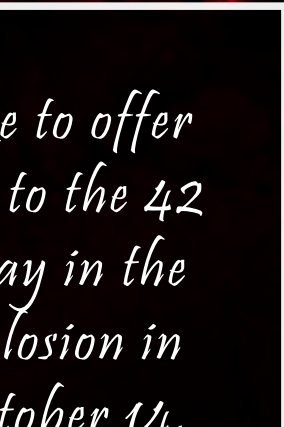
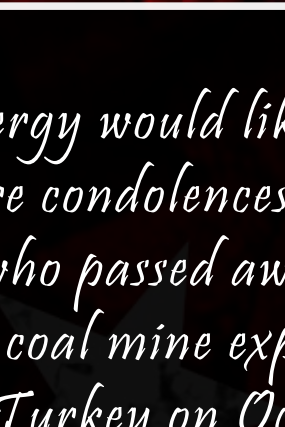
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*Coal Energy would like to offer  
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Amasra coal mine explosion in  
Bartın, Turkey on October 14,  
2022.*

*Our thoughts and prayers are  
with the families. Please take a  
minute of silence to remember our  
fallen miners.*



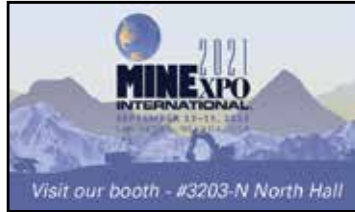


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# WORLD NEWS

## ENERGY CRISIS REVIVES COAL DEMAND AND PRODUCTION

High natural gas prices and global competition for the fuel have driven more demand for thermal coal for power generation this year as countries try to wean themselves off Russian energy supplies and seek relatively cheaper alternatives.

Some countries are reopening mothballed coal plants to secure enough energy for this winter, while others are boosting production as they seek considerable profits from exports. Here are some of the revived coal projects and government plans on coal worldwide:



**Austria** – The government agreed with utility Verbund (VERB.VI) in June to convert a gas-fired power plant to coal in preparation for an energy emergency.



**Bosnia and Herzegovina** – endorsed in March a plan to extend the lifespan of Tuzla 4 and Kakanj 5 coal-fired thermal power plants by the end of 2023.



**Denmark** – The government in October ordered Orsted (ORSTED.CO) to continue and resume operations at three of its oil and coal-fired power stations to ensure electricity supply. Two of them were due to be decommissioned on March 31, 2023.



**Finland** – Finnish utility Fortum (FORTUM.HE) plans to add 560 megawatt (MW) of capacity to the Nordic power market after October by reactivating an idle coal-fired power plant on the country's west coast.

# WORLD NEWS



**France** – The Emile Huchet coal power plant restarted in early October, only six months after it closed, according to local media.

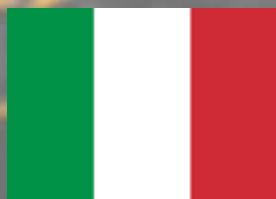


**Germany** – Germany's cabinet passed at the end of September two decrees to prolong the operation of sizeable hard coal-fired power plants and bring back idled brown coal capacity to boost supply and network reserves.

The Economy Ministry said bringing back coal-fired power plants into the mix could add up to 10 gigawatts of capacity in case of a critical gas supply situation.



**Greece** – National gas grid operator DESFA said in September Greece will keep seven coal-fired plants running for longer than previously planned, citing the current energy crisis.



**Italy** – Among a raft of measures to help cut gas consumption, Italy plans to increase output from existing coal-fired and oil-fired power plants.



**Netherlands** – Dutch energy minister Rob Jetten said in June the Netherlands will remove a production cap at coal-fired energy plants to preserve gas.



**North Macedonia** – has delayed the closure of its coal-fired power plants Bitola and Oslomej to 2030 and plans to open two new coal mines to supply power stations.



**Poland** – The country suspended in September a ban on the use of lignite — the most polluting type of coal — for heating homes until April 2023 to ease the supply crisis. In June, it said it plans to “increase thermal coal production from existing mines this year maximum by 1.5 million tonnes”



# WORLD NEWS



**Serbia**– is increasing coal production due to insufficient rain for hydro-electric plants. Serbia's Elektroprivreda Srbije (EPS) expects a new unit at its Kostolac power plant to come online by 2023, according to local sources.



**Spain**– The ministry for the ecological transition requested in May the delay of Endesa's as Pontes coal power station closure. In September, it authorised the conditional closure of two of the plant's four groups, "taking into account the reinforcement of power availability variables"



**UK**– Britain's National Grid (NG.L) signed contracts with power generators Drax Group (DRX.L) and EDF's (EDF.PA) EDF Energy to extend the life of four coal-fired power units at two plants.

The available capacity will only be used a last resort to ensure security of supply if needed. Germany's Uniper (UN01.DE) said in September it would prolong the lifespan of its Ratcliffe coal power station.



**Ukraine**– Dutch energy minister Rob Jetten said in June the Netherlands will remove a production cap at coal-fired energy plants to preserve gas. (\*\* Note that Ukraine's government has stopped releasing coal production data since the start of the war).



**Botswana** – The government has estimated that demand from Europe could reach more than 50,000 tonnes a month.



**South Africa** – European countries, scrambling to secure alternatives to Russian coal, imported 40% more coal from South Africa's main export hub in the first five months of this year than over the whole of 2021, figures obtained by Reuters showed.



**Tanzania** – expects coal exports to double this year to around 696,773 tonnes, the country's Mining Commission told Reuters, while production is expected to increase by 50% to about 1.365 million tonnes.



**Australia**– Australian resources and energy export earnings are forecast to jump 7% to a record A\$450 billion (\$290 billion) this fiscal year. Australian coal has increasingly headed to Europe instead of India since mid-2022 after European sanctions were imposed on Russian coal over its invasion of Ukraine.



# WORLD NEWS



**China** – Beijing approved 15 gigawatts of new coal-fired power capacity and another 30 million tonnes of coal-based iron-making capacity in the first half of this year.

Research from Greenpeace East Asia shows that provincial governments across China approved plans to add a total 8.63 gigawatts of new coal power plants in the first quarter of 2022 alone.



**Indonesia** – The world's biggest exporter of coal has said it can increase output to help meet demand from countries that have lost supplies from Russia.



**Colombia** – The government said this summer it could increase coal and petroleum production as it steps up to fill the void created by sanctions against Russia.



**United States** – Several U.S. states, including Indiana, Wisconsin, New Mexico and Nebraska, have announced the delay of planned closures of their coal-fired plants, until as late as 2025, citing concerns about energy shortages among other issues.



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# Wyoming Innovation Center



The Wyoming Innovation Center (WyIC), a 5,500-square-foot coal commercialization facility, has officially opened in Gillette, Wyo. The 9.5-acre site, located in northeast Wyoming's coal-rich "Carbon Valley" region, is home to companies and researchers developing commodities like asphalt, graphene, graphite, agricultural char, carbon fiber and more—using coal and coal byproducts.

**T**he Wyoming Innovation Center is a facility that aims to research the different uses of coal.

Located several miles northeast of Gillette, the 5,500 square foot facility sits on reclaimed mine land and cost over \$3 million to construct. It was initially slated to open late last year, though the effects of the COVID-19 pandemic and supply chain issues postponed its opening until this summer.

A group of local elected and government officials from several federal agencies attended the ribbon cutting ceremony. They later toured the Wyoming Integrated Test Center at Dry Fork Station just a few miles away from the facility.

"We started this project back in 2015," said Phil Christopherson, CEO of Energy Capital Economic Development (ECED). "And it was just a glimmer of an idea. Dave Spencer, who used to be the

Wyoming Business Council regional representative, was getting visits and entertaining people from various research institutions and businesses that were trying to do more with coal, convert coal into carbon fiber, gaseous products, and oil. They saw a future for that."

Discussions with companies such as TerraPower, LP Amina indicated that there was a need for facilities that could host projects on a larger scale than what they had going on in their research and development labs. ECED then contacted the University of Wyoming's School of Energy Resources, who also approved of the idea to build a large-scale facility dedicated to these aims. The Gillette City Council and the Campbell County Commission also were receptive. State officials further vetted the idea, and the Wyoming Business Council awarded a \$1.5 million grant, which was later



5,500 sq. ft facility on 10 acres in Gillette to spur innovation, jobs in the "Carbon Valley," which has 165B tons of recoverable coal.



supplemented by \$1.46 million given by the U.S. Economic Development Administration (EDA). The City of Gillette and Campbell County each allocated \$176,000 for the project. The facility comprises two buildings, and though there are currently no businesses or research firms that are on site, there are several interested parties.

"Our first tenant's going to be NETL, National Engineering Technology Laboratory project extracting rare earth elements from fly ash, so it's kind of a unique thing," said Christopherson. NETL focuses on applied research toward coal energy resources. UW is slated to have a presence at the facility for research and development purposes.

"As we move technologies here, we'll definitely have to have employees that will be running those, or it could actually be students as well, so graduate or undergrad students could be running the tests as well or involved

in some way," said Dr. Holly Krutka, Executive Director of UW's School of Energy Resources. "It would also be a great way to get University of Wyoming students up to Campbell County and test some of these novel technologies here."

Christopherson said it is important to have a domestic source of rare earth elements and critical minerals. Rare earth elements are used in a wide array of products used everyday, including electronics, electric cars, and wind power, Christopherson explained. He also stated that the city and county recently received an EDA grant to hire a marketing firm to attract businesses and other interested parties to come to Carbon Valley.

For Gillette and Campbell County, the hope is that research into other uses of coal besides electricity generation will help support the local economy, which continues to be heavily dependent on the energy industry.



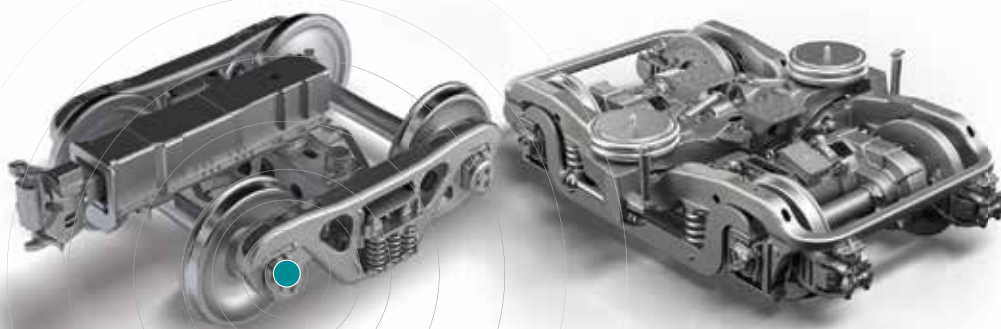
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# US THERMAL COAL EXPORTS RISE TO 4-MONTH HIGH



**U**S thermal coal exports rose from year-earlier levels for the first time in four months in August, led by a gain in bituminous coal shipments to Europe.

A total 3.46mn short tons (3.17mn metric tonnes) of steam coal departed US port districts in August, up from 3.3mn st a year earlier, US Commerce Department data released on 5 October show. Shipments were the highest since April, which also was the last time that thermal coal exports topped year-earlier levels.

The export gain was predominantly bituminous coal, which rose from a year earlier for a third month in a row to 3.12mn st.

Sub-bituminous coal exports fell from a year prior for a third consecutive month, to 324,773st. But shipments were up from June and July.

US sub-bituminous coal markets have been harder hit by rail congestion. Some Powder River basin exports out of Westshore Terminals in Canada were under force majeure in the latter part of June and July because of issues on rail carrier BNSF. Shipments may have fallen again in September as workers went on strike at Westshore in the back half of the month. But some sellers could use other terminals to export sub-bituminous coal.

Other factors also may have weighed on sub-bituminous coal exports. The fuel's shipments to South Korea dropped by almost half to 236,747st in August from 448,971st a year earlier. In August 2021, South Korea was the destination for all but 84st of US sub-bituminous coal. US bituminous thermal coal exports to the country fell as well, dropping by



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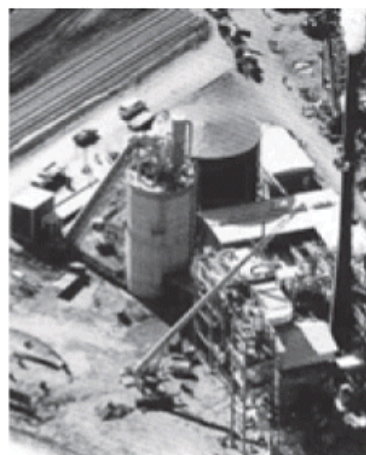
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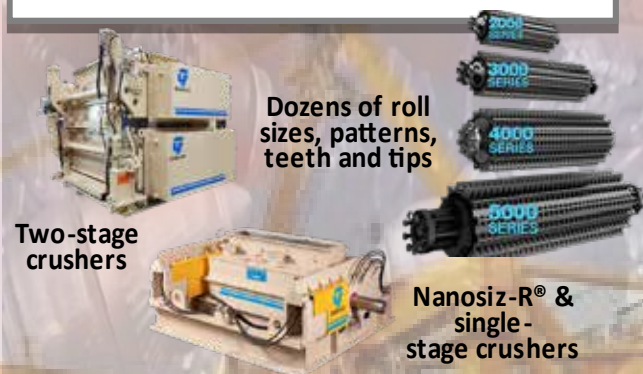
40pc to 168,556st. South Korea has been favoring Indonesian sub-bituminous coal, which is likely cheaper to obtain. Argus assessed GAR 5,000 kcal/kg Indonesian coal at an average \$130/t fob in July and \$108.33/t in August and put the landed cost for that coal in South Korea at \$141.19/t and \$118/t, respectively. South Korea also has been taking more Russian bituminous coal, according to customs data. Only two other countries were destinations in August for US sub-bituminous coal, Japan and Vietnam, where shipments were up from zero a year earlier. Meanwhile, bituminous thermal coal exports to countries in Europe and to Japan climbed in August from year earlier levels, offsetting decreases in volumes to South Korea, India and Egypt. US steam coal exports to the Netherlands reached a five-month high of 664,792st and was more than double the 248,482st sent to the country in August 2021. Thermal coal exports to Poland were a record 180,489st in August, up from zero a year earlier. US

shipments to Germany were the highest since January and, at 260,061st, were 37pc higher 6 to all of Europe climbed to 1.44mn st from 531,370st in August 2021 as shipments to the UK and France also rose from year-earlier levels. August was the first time since November 2018 that US thermal coal exports to Europe were higher than to Asia. US steam coal exports to Asia fell by 31pc from a year earlier to 1.14mn st. In addition to the decline in volumes to South Korea, shipments to India fell to a two-year low of 352,834st. US thermal coal exports to Africa also declined, while shipments to South America and Canada increased. Shipments to Canada reached an eight-month high of 142,938st and were almost double what they were a year earlier, while exports to Chile climbed by 78pc to a seven-month high of 117,898st. Total US coal exports, including metallurgical coal, fell to 6.96mn st from 7.35mn st in August 2021. Coking coal shipments dropped to a little under 3.5mn st from 4.05mn st.



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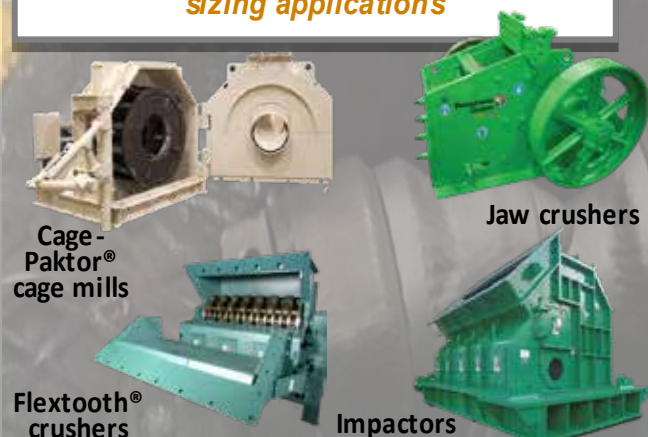
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# WE WILL REGRET CLOSING DOWN OUR RELIABLE COAL PLANTS

**S**ometimes we can spend so much time at a place that it seems alive. That's certainly how I felt when it came to the Joppa Generating Station in southern Illinois, a coal-fired power plant that I worked at as the station chemist for 23 years. Earlier this year, I stood aghast and watched my old friend, a reliable titan of the energy industry, breathe her last – destroyed by the Sierra Club, regulators driven by misguided ideology, and greedy executives who saw an opportunity to leverage that ideology to force Americans into one of the most radical and costly economic transformations in world history; the change from reliable low-cost fossil fuels to unreliable high-cost wind and solar.

During my two decades at Joppa, my crew and I monitored her boiler water and steam chemistry like a physician does a patient's blood. I personally climbed over her turbines and into her boiler components any time maintenance was performed, checking for any hint of poor health. I was a small cog in a larger machine of workers who kept her running at almost full capacity, in every kind of weather,

for 62 years.

Joppa delivered cheap, reliable, and safe electricity to tens of thousands of families from the time she was commissioned in 1956. The longer I worked there, the more I was amazed by the feat of engineering she represented – the visionaries who designed the plant still used slide-rules, and drew up the plans by hand.

In the early 1950s, the Department of Defense (DOD) summoned the CEOs of several utilities, normally fierce competitors, to Washington, D.C. DOD officials convinced these men that, since the Cold War was in full swing, they should work together to build the generating station. The new power plant's purpose would be to supply the massive amounts of electricity needed for a Uranium Enrichment plant being built simultaneously across the river in Paducah, Kentucky, to support the nation's nuclear arsenal. The plant would be the largest in the United States at that time and would be designed to military specifications for toughness and reliability. Notwithstanding that in the coming decades her size would be surpassed by newer plants, Joppa's



reliability was rarely exceeded. American steel, two inches thick in some places, made up her core. She had mechanical design features that had been perfected in WWII and that would operate almost continually for half a century. Yet, she was flexible. Over her life, her caretakers changed the fuel she used and the way it was burned, among many other features, to make her compliant with the never-ending onslaught of environmental regulations. Local news stories decried the lost jobs that would result from her closing, but that's a fraction of the price that will now be paid.

As recent experience in California and Texas, as well as in Europe, has already demonstrated, the rapid reduction in the number of coal-fueled plants threatens the reliability of electricity supplies, threatening millions with blackouts. In contrast, coal-fired plants, with their on-site, 90-day supply of fuel, operate in the coldest polar vortex or the most intense heat wave. The death of the Joppa Generating Station, and the deaths of dozens of other coal plants, will be felt by the nation when rolling blackouts soon become the norm if the Biden administration's suicidal green energy policies are not soon reversed.



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# EVENTS

## NCTA (NATIONAL COAL TRANSPORTATION ASSOCIATION)

December 30, 2022

**UMLER Waivers must be  
returned to NCTA**

May 8 – 10, 2023

**NCTA Operations & Main-  
tenance Conference**

The Scott Resort & Spa  
Scottsdale, Arizona

May 9 – 11, 2023

**NCTA Spring Conference**

The Scott Resort & Spa  
Scottsdale, Arizona

September 18 – 20, 2023

**NCTA 49th Annual Busi-  
ness Meeting and Confer-  
ence**

Cheyenne Mountain Resort  
Colorado Springs, Colorado

## ACAA (AMERICAN COAL ASH ASSOCIATION)

January 31 – February 1, 2023

**ACAA 2023 Winter Mem-  
bership Meeting**

Rosen Plaza Hotel,  
Orlando, Florida

## RMEL

October 10 – 12, 2022

**2022 Fall Convention**

HILTON DENVER INVERNESS  
200 INVERNESS DRIVE WEST  
ENGLEWOOD, CO 80112

November 3, 2022

**SAFETY ROUNDTABLE -  
NOVEMBER 2022**

2000 EAST HORSETOOTH  
ROAD  
FORT COLLINS, CO 80525

November 10, 2022

**WATER SUPPLY  
CHALLENGES FACING  
POWER GENERATION**

SRP'S PERA CLUB  
1 E CONTINENTAL DR  
TEMPE, AZ 8528

NOVEMBER 10, 2022

**VIRTUAL WORKSHOP -  
NESC UPDATES**

TO SUBMIT MORE EVENTS FOR PUBLISH OR TO INCLUDE  
INFORMATION ABOUT YOUR ORGANIZATIONS CALENDAR OF  
EVENTS, PLEASE EMAIL  
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**UPDATED MEMBER DIRECTORIES**

**WORLD NEWS**

**UPCOMING 2022 MEMORIAL**

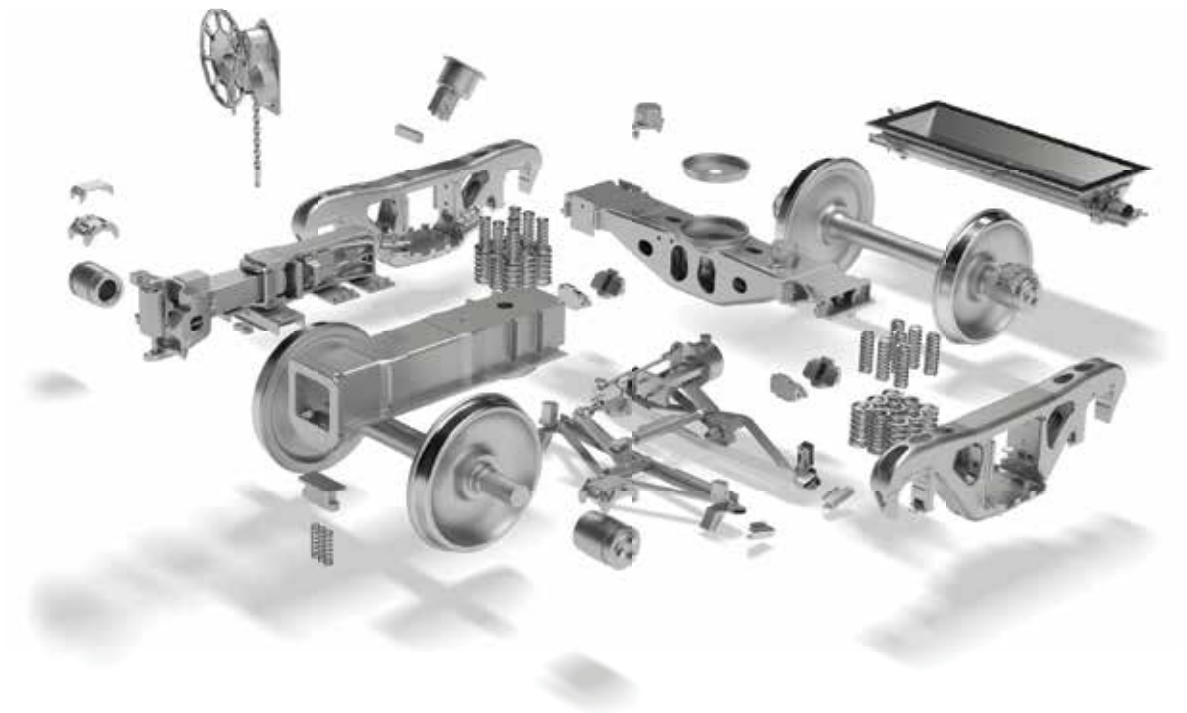


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