

Issue 2 , 2022

Coal Energy

FROM THE MINE TO THE UTILITY



Georgia Power
launches coal ash
project

**AMERICAN COAL
INDUSTRY GENERATES
\$261 BILLION**

**NMA Welcomes
Mitch Krebs**

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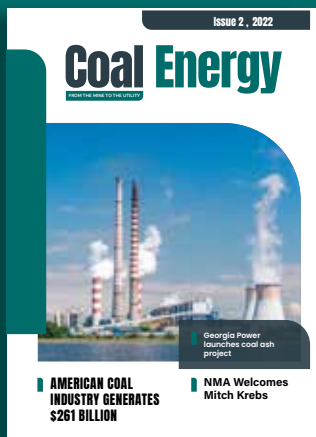
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Dear readers,

Welcome to Issue 2, 2022 of **Coal Energy**. **Coal Energy** is proud to be the source journal for information about coal related associations in the industry. We currently provide information at your fingertips on different groups to benefit your companies' needs and targets. By providing information at a glance on each group, and including current member lists, your company can analyze the forums available to market, promote, and lobby for America's future regarding coal energy.

In this issue, we take a look at America's coal industry generating \$261 billion in economic activity, as well as 381,000 jobs. Even when facing the worst regulatory pressures in history, the mining and coal-fired power generation industry remains a key component of our countries' future.

Greener and cleaner, Georgia Power launches the largest beneficial use project for coal ash in the U.S. The new project with Eco Material Technologies calls for coal ash to be removed at Plant Bowen and beneficially used for construction materials, such as concrete.

In every issue, **Coal Energy** includes a world news piece to bring the reader up to date on news around

the globe. In this issue we take a look at the Department of Labor's emergency unit winning the world championship at the international mine rescue skills competition. Highly skilled teams from the U.S., Australia, Canada, Colombia, Finland, India, Poland and Zambia competed this year in the International Mines Rescue Competition. Congratulations to our Mine Rescue Unit on being recognized as the world champion!

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, starting on page 06.

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

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

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

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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.

Warmest regards,

Maria Martonick

President

Martonick Publications, Inc.





<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:

Mission:

- 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 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.

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.ACAAMEMBERS.ACAA-USA.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.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.



<https://www.worldcoal.org>

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.



<https://www.rmcl.org>

WVU Study Shows American Coal Industry Generates \$261 Billion in Economic Activity and 381,000 Jobs



CHARLESTON, WV (LOOTPRESS) - A new study on the economic impact of America's coal industry shows that even when facing the worst regulatory pressures in history, the mining and coal-fired power generation industries still generated nearly \$261 billion in economic activity and upwards of 381,000 jobs for American workers and their families.

"Coal and coal-fired electric power has always been a major driver behind our nation's economy, and this study clearly demonstrates that not only is coal the bedrock of our economy, but it is also a key component of our countries' electric manufacturing and steelmaking future," said West

Virginia Coal Association President Chris Hamilton.

The study, conducted by the West Virginia University Bureau for Business and Economics Research (BBER), shows that the mining industry alone spends more than \$10.6 billion on wages nationally and coal operators generated approximately \$43.5 billion in economic activity in 2021.

The top ten coal producing states mined over 527 million short tons (mt) of coal in 2021 and are ranked by production as follows:

WY (239.2 mt); WV (78.6 mt), PA (42.4 mt), IL (36.8 mt), MT (28.6 mt), KY (26.6 mt), ND (26.5 mt), IN (19.5 mt), TX (17.3 mt), and UT (12.3 mt).



“Wyoming alone accounts for 45% of our nation’s coal production and when combined with the output of other western states, it becomes obvious that coal and coal-fired electric generation supports a big piece of America’s economy and job base” said Vern Lund, CEO of Navajo Transitional Energy Company (NTEC). “The number of high paying jobs associated with the production, the transportation sector and local suppliers and contractors is irreplaceable.”

Joe Craft, CEO of Alliance Resources said, “Given the results of this study and the contribution of our nation’s coal plants to grid security and resiliency, and homeland security, it’s inconceivable that policy makers in Washington want to see these facilities close prematurely or transition away from the use of coal. Coal is a valuable feed stock for electricity manufacturing and provides a dependable revenue stream for a large number of state governments throughout America.”

Dr. John Deskins, Director of the West Virginia University Bureau of Business & Economic Research, said, “Despite production declines in recent years, coal remains a very important part of America’s economy, as illustrated in our research. Coal continues to support a sizeable share of the nation’s economic output and thousands of high-paying jobs.” Dr. Deskins noted that the total economic impact of coal mining does not end at the mine – it goes far beyond the portal and upstream through the economy.

In 2021, coal-fired power plants across the U.S.

generated 899.0 million megawatt hours of electricity. This activity generated \$217.5 billion in direct and secondary outputs in the United States economy, resulting in a total employment impact of 245.3 thousand jobs and \$33.3 billion in labor income impact.

Jimmy Brock, CEO of CONSOL Energy noted these facilities are responsible for a big piece of the economy as they continue to “provide low cost, uninterrupted power to tens of millions of families across the country. Coal is the necessary ingredient that ensures the reliability of household and industrial power supplies which are required to maintain the quality of life we enjoy as Americans”.

Rich Nolan, President, and CEO National Mining Association: “At a time when energy-driven inflation is weighing heavily on all Americans and electricity grids are being stretched to their limits, the coal industry’s significance has never been greater, providing high-paying direct and indirect jobs for Americans, economic benefits for communities across the country, the fuel for affordable and reliable energy, and metallurgical coal for steelmaking.”

America’s Coal Associations are supportive of an all of the above energy strategy but believes the United States should not be trading one energy job for another or unnecessarily shorten the life of these foundational contributors to our economy and industrial job base.

Highlights from the study include:

- 1- Coal mining and coal-fired electric power generated approximately \$261 billion in total economic activity in the U.S. in 2021.
- 2- Coal mining and coal-fired electric power generation supported nearly 381,000 jobs nationally with 29,674 jobs in WV, 15,852 in IN, 13,735 in TX, 13,418 in IL, 12,266 in KY, 7,027 in UT, and 3,895 in MT.
- 3- Coal mining and coal-fired electric power generation provided around \$43.8 billion in employee compensation. Coal mining offers some of the highest average annual wages among all industries.
- 4- Coal mining and coal-fired electric power generated nearly \$8.1 billion in state and local tax revenue nationally.

America’s Coal Associations include Alabama Mining Association, Kentucky Coal Association, Illinois Coal Association, Ohio Coal Association, Pennsylvania Coal Alliance, Reliable Energy Inc., Rocky Mountain Mining Institute, Texas Mining and Reclamation Association, Montana Coal Association, Utah Mining Association, Wyoming Mining Association, and National Mining Association.



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NMA Welcomes Mitch Krebs as New Chairman of the NMA Board

WASHINGTON, D.C. – In September 2022, Mitchell J. Krebs was elected to lead the National Mining Association (NMA) Board of Directors as Chairman of the Board. Mr. Krebs is President, Chief Executive Officer and member of the Board of Coeur Mining Inc., a U.S.-based, well-diversified, growing precious metals producer. “We are extremely fortunate to have Mitch as Chairman,” said Rich Nolan, NMA President and CEO. “He is a transformational leader who has pushed us all to challenge the status quo and

embrace what it means to be a contemporary, innovative industry, and he has worked personally to foster consensus among our member companies on key issues. He is the right leader at the right time – a time when the need for domestic mining of all types has never been greater.” “I feel privileged to take on this role at such an exciting time for our industry,” said Mitch Krebs. “I look forward to working alongside my fellow Board members and the NMA leadership to advance the issues that impact today’s modern mining industry.”



In his time on the Board of Directors of the NMA, Mr. Krebs has served in a number of leadership positions, including serving on the Executive Committee, chairing the Finance Committee, and serving as the founding chair of the association’s Environmental, Social and Governance (ESG) Task Force.

Mr. Krebs has worked at Coeur Mining since 1995 when he joined the company as its Manager of Acquisitions. He holds a Bachelor of Science in Economics from the Wharton School at the University of Pennsylvania and a Master of Business Administration from Harvard University.

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Caterpillar surpasses 5 billion t of material autonomously hauled

Roughly nine months after reaching the 4 billion t autonomously hauled milestone, trucks equipped with Cat® MineStar™ Command for hauling have now moved over 5 billion t.

Cat autonomous trucks are on pace to eclipse previous record totals of materials hauled in a calendar year, projected to be more than 1.4 billion t in 2022. Currently, more than 550 mining trucks are equipped with Command for hauling, operating across three continents. Over the last nine years, trucks equipped with Command for hauling have journeyed nearly the average distance between the Earth and Mars with zero loss-time injuries. “In 2013, we placed our first fleets of autonomous trucks in Western Australia at FMG Solomon and BHP Jimblebar. Since that time, trucks using Command for hauling have safely travelled nearly 200 million km, more than twice the experience in autonomous operations of any automobile

manufacturer,” comments Denise Johnson, group president of Caterpillar Resource Industries. “Caterpillar has grown the number of autonomous trucks in operation by 40% in the past two years. We believe that automation is one of many keys to implement technology that unlocks the value miners need when it comes to the energy transition toward more sustainable operations.” Marc Cameron, vice president of Caterpillar Resource Industries, adds: “The new Cat 798 AC electric drive trucks replacing BHP’s entire haul truck fleet at the Escondida mine will feature technologies that advance the site’s key initiatives, including autonomy and decarbonisation. The agreement allows Escondida | BHP to accelerate the implementation of its autonomy plans by transitioning

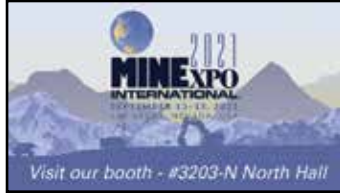
the fleet with autonomous haulage system (AHS) technology.” Caterpillar has enabled 13 customers at 23 different locations to succeed with full site autonomous haulage solutions. Starting with iron ore at Solomon and Jimblebar, the company’s solutions now manage oil sands, copper, gold, coal, lithium, and phosphate. Spanning the 190 to 370 t class sizes, the Cat 789D, 793D, 793F, 797F, and electric drive 794 AC and 798 AC mining trucks are capable of fully autonomous operation. Retrofit kits allow miners to expand Command for hauling to existing Cat mining trucks.

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PIC AU HOLDINGS LLC AND PIC AU HOLDINGS CORPORATION, WHOLLY-OWNED SUBSIDIARIES OF PEABODY, ANNOUNCE EXPIRATION AND FINAL RESULTS OF OFFER TO PURCHASE UP TO \$27.204 MILLION IN AGGREGATE PRINCIPAL AMOUNT OF THEIR 10.000% SENIOR SECURED NOTES DUE 2024

ST. LOUIS, /PRNewswire/ -- Wholly-owned subsidiaries of Peabody (NYSE: BTU), PIC AU Holdings LLC, a Delaware limited liability company (the "Main Issuer"), and PIC AU Holdings Corporation, a Delaware corporation (together with the Main Issuer, the "Co-Issuers"), today announced the expiration and final results of their previously announced offer to purchase (the "Offer") for cash up to \$27.204 million (the "Excess Cash Flow Amount") in aggregate principal amount of their 10.000% Senior Secured Notes due 2024 (the "Notes") at a purchase price equal to 103.91% of the principal amount of the Notes to be repurchased, plus accrued and unpaid interest as set forth in the Indenture (as defined below), to, but excluding, the settlement date, on the terms and subject to the conditions set forth in the Offer to Purchase, dated July 29, 2022 (the "Offer to Purchase"). The Offer was made to satisfy the requirements of the Indenture. The Excess Cash Flow Amount for the Offer represents the pro rata portion of the Excess Cash Flow (as defined in the Indenture) to be applied to an offer to purchase the Notes pursuant to the Indenture, with the remainder applied to a concurrent

debt repurchase offer of Priority Lien Debt (as defined in the Indenture) under the Credit Agreement, dated as of January 29, 2021, among the Co-Issuers, as co-borrowers, the lenders party thereto from time to time and Wilmington Trust, National Association (as successor to JPMorgan Chase Bank, N.A.), as administrative agent. The Offer expired at 5:00 p.m., New York City time, on August 29, 2022 (the "Expiration Time"). As of the Expiration Time, \$18.214 million in aggregate principal amount of the Notes had been validly tendered and not validly withdrawn prior to the Expiration Time. Subject to the Excess Cash Flow Amount as further described below, for each \$1,000 principal amount of Notes validly tendered (and not validly withdrawn) prior to the Expiration Time and accepted by the Co-Issuers, holders of Notes will receive \$1,039.10 in cash (the "Offer Price"), plus accrued and unpaid interest as set forth in the Indenture, to, but excluding, the settlement date.

Because the aggregate principal amount for all Notes tendered in the Offer did not exceed the Excess Cash Flow Amount of \$27.204 million, the Co-Issuers will purchase \$18.214 million aggregate principal amount of Notes

pursuant to the Offer. Payment for such accepted Notes will be made on August 31, 2022.

The Notes are governed by an indenture, dated as of January 29, 2021, by and among the Co-Issuers, Wilmington Trust, National Association, as trustee (the "Trustee") and Peabody (on a limited basis, to the extent of its obligations specifically set forth in the Indenture) (as amended and restated by the First Supplemental Indenture, dated as of February 3, 2021, and as further amended, supplemented, restated or otherwise modified to the date hereof, the "Indenture"). Under the terms of the Indenture, no later than 10 Business Days (as defined in the Indenture) after August 14, 2022, the date on which the unaudited quarterly consolidated financial statements for the preceding fiscal quarter are required to be delivered pursuant to clause (1) of Section 4.03 of the Indenture, the Co-Issuers are obligated to offer to purchase for cash an aggregate principal amount of up to the Excess Cash Flow Amount of their outstanding Notes at the price described above. The Offer was intended to satisfy this requirement. The Excess Cash Flow Amount for the Offer is equal to (i) \$65.063 million, an



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amount equal to 100% of Excess Cash Flow (as defined in the Indenture) of the Main Issuer and its Subsidiaries (as defined in the Indenture) for the Excess Cash Flow Period, which for purposes of this Offer is the six-month period ended June 30, 2022 of the Main Issuer, then ended; multiplied by (ii) a fraction (x) the numerator of which is equal to the outstanding aggregate principal amount of the Notes and (y) the denominator of which is equal to the outstanding aggregate principal amount of the Notes and all other Priority Lien Debt (as defined in the Indenture) required to be repaid with such Excess Cash Flow, rounded down to the nearest

\$1,000.

Since June 30, 2022, and after giving effect to the settlement of the Offer, the Co-Issuers will have retired (i) approximately \$112.086 million aggregate principal amount of the Notes and (ii) approximately \$3.848 million aggregate principal amount of the 10.000% senior secured term loan due 2024 (the "Term Loan"). Approximately \$81.550 million aggregate principal amount of the Notes will remain outstanding after giving effect to the settlement of the Offer, and approximately \$134.968 million aggregate principal amount of debt remains outstanding under the Term Loan.

This announcement is not an offer to purchase or sell, or a solicitation of an offer to purchase or sell any securities in any jurisdiction in which the making or acceptance thereof would not be in compliance with the securities, blue sky or other laws of such jurisdiction. Peabody (NYSE: BTU) is a leading coal producer, providing essential products for the production of affordable, reliable energy and steel. Our commitment to sustainability underpins everything we do and shapes our strategy for the future. For further information, visit PeabodyEnergy.com.

Forward-looking Statements

This press release contains forward-looking statements within the meaning of the securities laws. Forward-looking statements can be identified by the fact that they do not relate strictly to historical or current facts. They often include words or variation of words such as "expects," "anticipates," "intends," "plans," "believes," "seeks," "estimates," "projects," "forecasts," "targets," "would," "will," "should," "goal," "could" or "may" or other similar expressions. Forward-looking statements provide management's current expectations or predictions of future conditions, events or results. All forward-looking statements speak only as of the date they are made and reflect our good faith beliefs, assumptions and expectations, but they are not guarantees of future performance or events. Furthermore, we disclaim any obligation to publicly update or revise any forward-looking statement, except as required by law. By their nature, forward-looking statements are subject to risks and uncertainties that could cause actual results to differ materially from those suggested by the forward-looking statements. Factors that might cause such differences include, but are not limited to, a variety of economic, competitive and regulatory factors, many of which are beyond our control, including the ongoing impact of the COVID-19 pandemic. You should understand that it is not possible to predict or identify all such factors and, consequently, you should not consider any such list to be a complete set of all potential risks or uncertainties.

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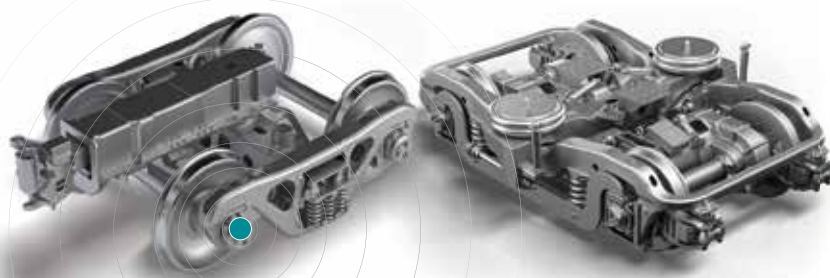
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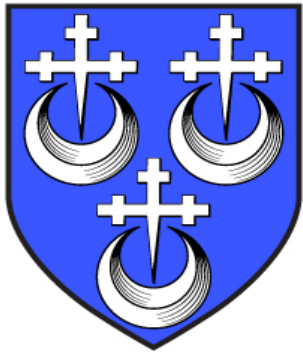
Washington, D.C. – America’s Power President and CEO Michelle Bloodworth Issued the Following Statement in Response to The U.S. Supreme Court’s Decision Regarding the Environmental Protection Agency’s Authority to Regulate Carbon Dioxide Emissions from Coal-Fired Power Plants Under the Clean Air Act

Washington, D.C. – America’s Power President and CEO Michelle Bloodworth issued the following statement in response to the U.S. Supreme Court’s decision regarding the Environmental Protection Agency’s authority to regulate carbon dioxide emissions from coal-fired power plants under the Clean Air Act:

“We are pleased the Supreme Court issued a decision that restricts the Environmental Protection Agency (EPA) from setting carbon dioxide standards for coal-fired power plants based on outside-the-fence measures. The issue is not whether EPA can regulate carbon dioxide emissions under section 111(d) of the Clean Air Act, but rather what kind of standards the agency is allowed to set. We are

pleased the Court agreed with us that EPA does not have unlimited authority to do anything it wants to do. Over the coming days, we will be studying the opinion closely to better understand its implications.

“Coal-fired power plants provide affordable and reliable electricity. Therefore, we urge EPA to avoid issuing a replacement rule that causes more premature coal retirements, especially as officials are warning about the prospect of electricity shortages that threaten grid reliability in many parts of the country.”



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WCA is recruiting a 'Policy Analyst'



The WCA is recruiting a 'Policy Analyst' who will have a diverse range of responsibilities, including the implementation of the WCA's global advocacy efforts, and the execution of its policy, strategy, and sustainability campaigns through the drafting of policy and technical documents.

The ideal candidate will be preferably based in India, China, or South Africa.

Please send a cover letter and CV to info@worldcoal.org. Only cover letters and CVs sent to info@worldcoal.org will be considered.
The full job requirements can be found below.

About the WCA

The World Coal Association (WCA) is a global industry group representing the coal value chain. We represent members who are industry leaders and committed to playing an active, constructive role in meeting the global challenges of both economic development and climate change. We work to secure the long-term sustainability of a responsible coal sector, bringing together stakeholders to help the industry respond to the challenges it faces, encouraging innovation and deployment of abatement technology.

Key Responsibilities:

- 1- Together with the Director of Policy and Government Affairs and Director of Strategy and Sustainability, develop, implement & deliver a strategy for the WCA's policy and public affairs activity. Oversee and manage high profile policy projects and monitor and evaluate the effectiveness of these projects, using performance indicators and outcome measures.
- 2- Support the research, analysis and drafting of policy positions across a broad range of issues, with a focus on energy, climate change and sustainable development.
- 3- Develop policy briefings, reports, technical documents, and general analytical content for the WCA.
- 4- Provide information and analysis on stakeholder activities, support and identify opportunities for stakeholder engagement and advise the secretariat on threats and opportunities arising on specific issues.
- 5- Plan, manage and support the delivery of WCA's flagship forums, including setting project timelines, inviting, identifying and coordinating with speakers, liaising with partners, coordinating suppliers and logistics, working with the Communications team to develop event material.
- 6- Undertake first class monitoring and research to proactively stay abreast of political developments and ESG issues and sustainability disclosure and performance.
- 7- Work closely with colleagues and WCA members to develop relevant and topical materials to convey member priorities to decision-makers.

Role of the Policy Analyst

The Policy Analyst will dual support the Director of Government and Stakeholder Relations and Director Strategy and Sustainability, working both independently and as part of the wider team. You will have a diverse range of responsibilities, including the implementation of the WCA's global advocacy efforts, the execution of its policy, strategy and sustainability campaigns, through the drafting of policy and technical documents.

You will have a pro-active approach to analysis and relationship building to identify opportunities for the WCA; playing a leading role in developing the WCA's interaction with senior members of government, their staff and other stakeholders, fostering professional relationships with them.

Ideal Candidate:

- 1- Educated to degree level in economics, public policy, sustainability, or another relevant field – post-graduate degree is desirable.
- 2- Demonstrable experience of working in public policy, public affairs, public relations, or political work – preferably with international stakeholders.
- 3- Strong understanding of ESG issues. Awareness of and prior experience with ESG reporting frameworks.
- 4- Good knowledge of international energy, environment and climate change policy and processes, and the wider political landscape.
- 5- Knowledge of, and work experience in, key coal producing and consuming jurisdictions such as South Africa, India, China, Indonesia and Australia, is advantageous but not essential.
- 6- A strategic thinker and effective networker and influencer, with a track record of developing, managing and delivering successful influencing campaigns.
- 7- Proven research skills and experience of drafting policy documents and reports, and ability to translate complex technical and scientific concepts for the public and policymakers. Some technical knowledge of air pollution and climate change policy and science is desirable.
- 8- Excellent project management skills and ability to deliver complex projects to deadlines.
- 9- Experience of managing senior and complex stakeholder relationships.
- 10- Excellent interpersonal and communications skills, and the ability to act sensitively where there are different viewpoints which must be respected to make progress.
- 11- Be capable of operating independently as part of a small, hard-working team and prepared to assist outside of office hours where necessary to meet project requirements.

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America's Power Statement on the Inflation Reduction Act of 2022



Michelle Bloodworth

America's Power President

Washington, D.C. – America's Power President and CEO Michelle Bloodworth issued the following statement on the Inflation Reduction Act of 2022:

"We and others have become increasingly concerned about the threat to electric reliability caused by the premature shutdown of coal plants. That is why we are extremely disappointed that the Inflation Reduction Act (IRA) will accelerate the closure of coal plants by extending tax credits for wind and solar power. Impartial officials and regulators responsible for grid reliability have issued warnings about potential reliability problems, citing the closure of coal plants as a main reason. Even without extending tax credits, utilities have already announced plans to shut down more than 40 percent of their coal plants within the next eight years. This is equivalent to shutting down the combined electricity supplies (all sources of electricity, not just coal) of Ohio, Indiana, West Virginia, and Wisconsin.

"Wind and solar have received tax credits for decades and no longer need them in order to expand. Even though they have a role to play as part of an all-the-above energy strategy, wind and solar are less dependable than coal for generating electricity. In fact, a coal plant is six times more dependable than a wind farm and twice as dependable as a solar facility.

"In addition to coal retirements caused by the IRA tax credits, the Environmental Protection Agency (EPA) plans to issue several new regulations to force the shutdown of even more coal plants. For example, just one of these new regulations is projected to force the closure of an additional 23,000 megawatts of coal within the next three years, which is more than 10 percent of the existing coal fleet and enough electricity to power at least 15 million homes. Many of these closures will be in regions of the country that already face potential electricity shortages. Issuing new EPA regulations that cause more coal retirements would be irresponsible.



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US Department of Labor launches awareness effort for miners with black lung, promote testing to reduce exposures to hazardous levels of coal dust

Initiative emphasizes miners' health, protection of rights as workers

WASHINGTON – The U.S. Department of Labor today announced an effort to raise awareness of regulations that give coal miners with development of pneumoconiosis, or black lung, the right to work at a section of a mine with lower levels of dust without having their pay reduced or fearing discrimination or termination.

Part 90 of the Title 30 Code of Federal Regulations protects miners diagnosed with pneumoconiosis, a disease caused by inhaling dust. The regulation applies to all miners at the nation's surface and underground coal mines, including loadout facilities and preparation plants.

The department's Mine Safety and Health Administration is launching its Part 90 educational initiative to inform these workers of their eligibility for free medical exams if they believe they have black lung. Mine operators will pay for the exams, which will be approved by the National Institute for Occupational Safety and Health. If diagnosed, miners with black lung have the right to work in a section of a mine with low dust levels.

The Part 90 initiative is part of MSHA's broader "Miner Health Matters" campaign to ensure that miners' health is considered as important as miners' safety. In addition to raising awareness, the campaign includes enforcement and outreach efforts to ensure miners working in potentially dangerous environments take proper precautions to limit exposures to silica and other dangerous toxins.

"The U.S. Department of Labor is showing that Miner Health Matters by helping the nation's miners protect their health," said Assistant Secretary for Mine Safety and Health Christopher J. Williamson. "This initiative will help make sure mining industry workers know their rights and how to exercise them to reduce their exposure to the dangers of high levels of coal dust."

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US Department of Labor launches app to provide miners access to health, safety, miners' rights information

Provides notifications on mining accidents and how to prevent them

WASHINGTON – The U.S. Department of Labor's Mine Safety and Health Administration today launched an app for use on iPhone and Android devices that will help get timely information directly to miners and members of the mining community.

The app allows miners to easily use the tool at mine sites and outside of working hours to search for best safety and health practices and find resources on understanding their rights and responsibilities under the Federal Mine Safety and Health Act of 1977. The app also sends users notifications of mining accidents and how to prevent them.

The app is divided into five main sections:

- Safety Topics.
- Health Topics.
- Miners' Rights.
- About MSHA.
- A Contact Us section.
-

"Miners nationwide can now access important safety and health and miners' rights information in the palm of their hands," said Assistant Secretary of Labor for Mine Safety and Health Chris Williamson. Traditionally, miners have received safety and health information from several sources, including their unions, miners' representatives, their mine's safety office or managers, training programs, MSHA inspectors, and industry stakeholder groups. Although those remain important avenues to reach miners, technology has made it possible for miners to research information directly. MSHA has collaborated with mining stakeholders on accessibility for miners and developed various design

features throughout the application in response to stakeholders.

"This new, innovative tool is another technical and educational resource to empower miners and help them play active roles in mine safety and health; even so, the Mine Act is clear that mine operators have the primary responsibility to maintain safe and healthy working conditions and provide regular and thorough training to miners," Williamson added.



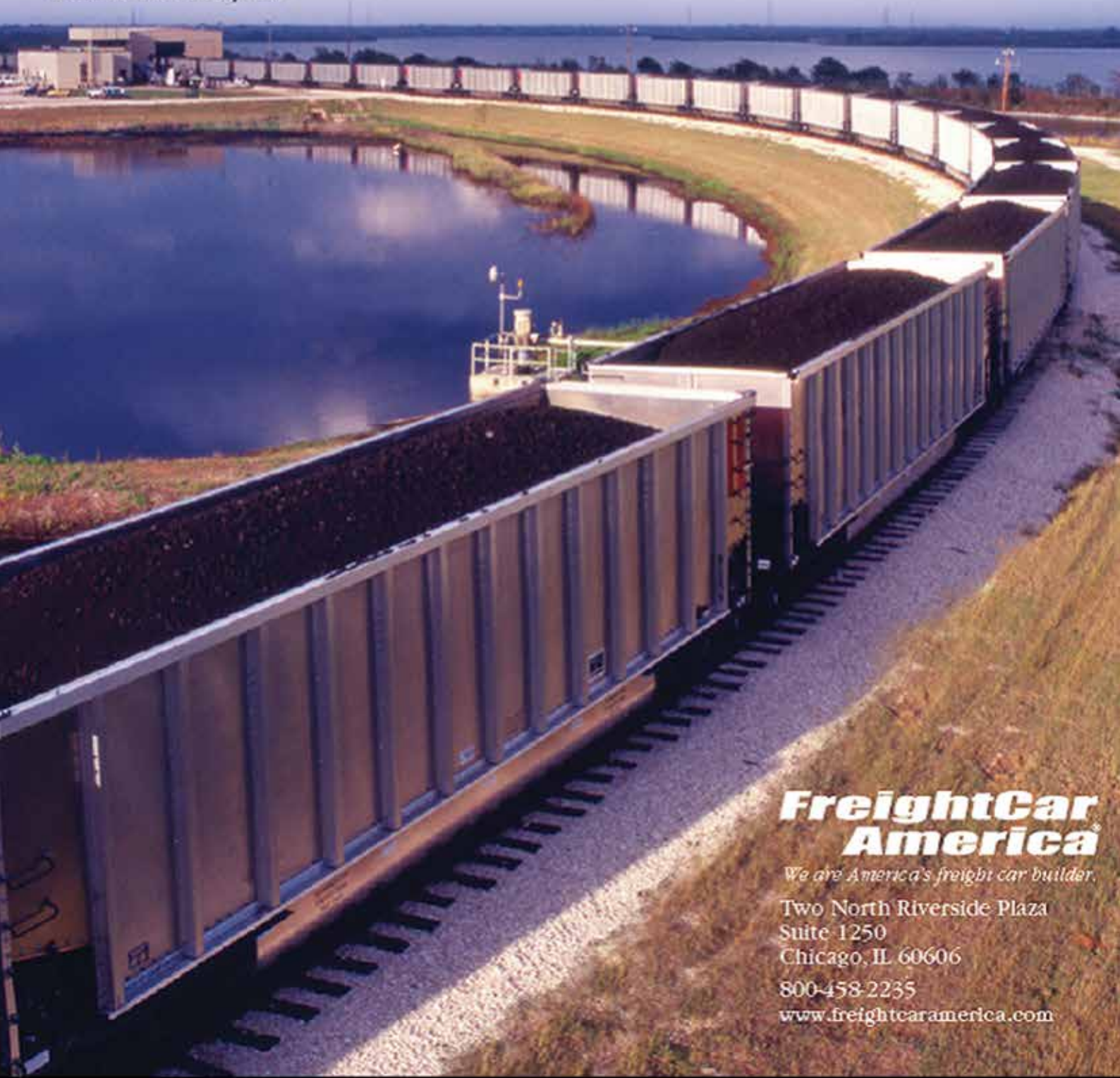
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Colorado School of Mines BHP announce founding partnership for Global Energy Future Initiative



Colorado School of Mines and BHP are proud to announce today a founding partnership to support the Mines Global Energy Future Initiative.

The Global Energy Future Initiative (GEFI) is a science and engineering framework for collaboration and ideation around the creation of a secure, resilient and sustainable energy future worldwide. Through technical research, education, workshops, seminars, public symposia and more, the initiative connects energy innovators, industry leaders and policy makers from academia, industry, government and civil society to develop energy solutions that will shape decision-making now and for decades to come.

With its support announced today, BHP becomes a founding partner of the initiative to drive innovative sustainable energy solutions. Through this partnership, BHP will sponsor research projects and participate in steering committees and working groups, adding industry expertise to

solve complex problems. In exchange for their expertise, BHP will gain access to cutting-edge research critical to building a sustainable future for the mining industry. Through this partnership, BHP and GEFI aim to develop renewable, secure, resilient, and adaptive energy systems and infrastructure, fostering worldwide economic development while reducing environmental impacts.

“As decarbonization, or the pursuit of net zero greenhouse gas emissions, draws sharper focus from businesses and governments worldwide, the mining industry remains central to that challenge. The Global Energy Future Initiative is a terrific project that is aligned with BHP’s focus on innovation, exploration and technology to help solve this challenge. What we produce is vital for the world to sustainably develop, and many of our products will help make the transition to lower emissions energy possible. BHP provides minerals that are essential resources the world needs for decarbonization, and we are committed to

doing so sustainably,” said Nima Brooks, BHP Head of Strategy and Innovation.

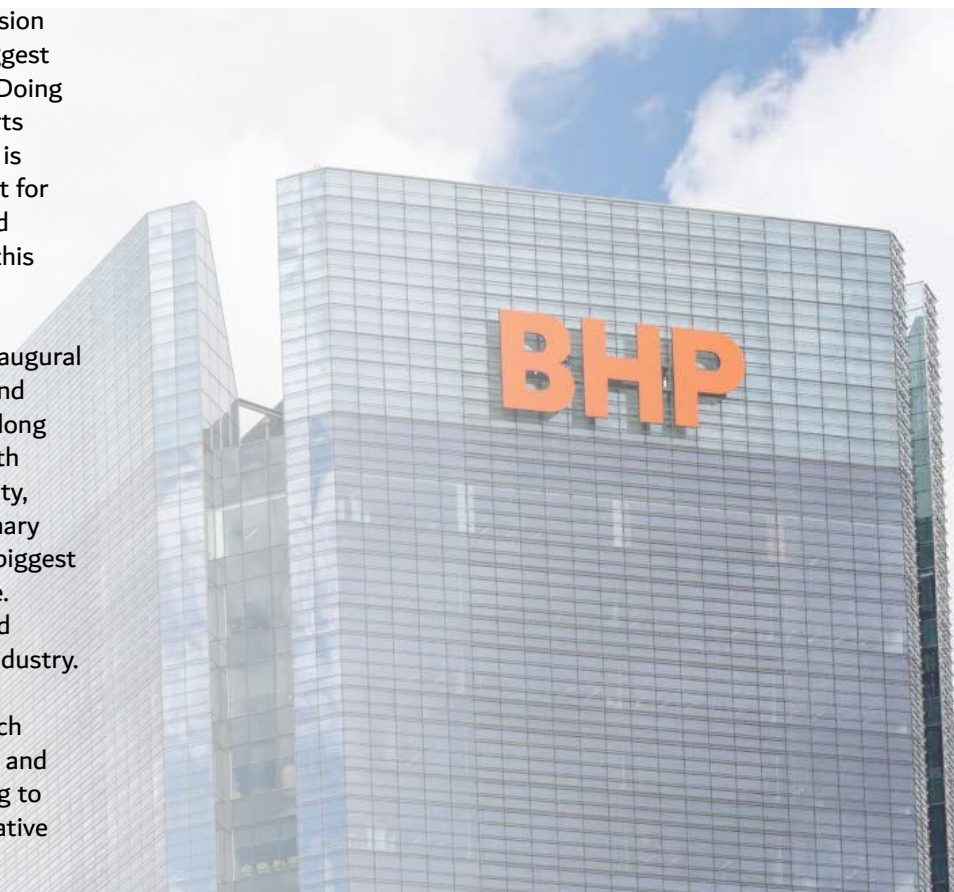
Mines launched the Global Energy Future Initiative to harness the university’s strong expertise across the spectrum of energy-related research at a time of ambitious government and industry initiatives to reduce greenhouse gas emissions and diversify energy, all while the world is facing significant growth in energy demand from emerging and developing economies. Mines has an exceptional track record of solving tough scientific and engineering problems across the gamut of energy and environmental fields, enjoying a hard-earned reputation as an unbiased problem-solver.

Specifically, the Global Energy Future Initiative works within and across the most important areas of energy innovation: low carbon and renewable energy, carbon capture, utilization and storage (CCUS), oil and gas, supply chain transparency, minerals and metals, and clean water innovation.

“The transition to a net-zero carbon emission energy economy is perhaps one of the biggest technical challenges the world has faced. Doing so in a way that is sustainable and supports health and prosperity for all communities is critical,” said John Bradford, vice president for global initiatives at Mines. “We are thrilled to partner with BHP to help bring about this change.”

Mines are also excited to announce the inaugural Global Energy Future Innovation Forum and Innov8x Challenge on Sept. 7-8. The day-long forum on Sept. 7 will showcase the breadth of research being done by the Mines faculty, highlighting how and why an interdisciplinary approach is required to solve the world’s biggest challenges facing our global energy future. Attendees will also hear presentations and network with leaders across the energy industry.

The following day, Mines students will pitch solutions to the most pressing challenges and problems facing industry today, competing to win funding to further pursue their innovative business ideas and research.



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(Converse County, Wyoming)



(Louden, Tennessee)

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Hallador Energy Company (Nasdaq-HNRG), through its wholly subsidiary Sunrise Coal, announces investment in Knox County.

Hallador Energy Company (Nasdaq-HNRG), based in Terre Haute, IN: Through its wholly owned subsidiary, Sunrise Coal, announces new investment in Knox County, IN with the reopening of the Freelandville Surface Mine. Mining activities are expected to commence immediately.

As such, Sunrise Coal is currently hiring 200 new employees in the area. They are seeking experienced and non-experienced personnel for both their underground and surface operations. Employees who meet the criteria can receive a \$3,000 sign-on retention bonus paid \$1,500 after their fifth month anniversary and final \$1,500 paid after their eleventh month anniversary, weekly paid wages of up to \$30 per hour (after 90-days of service), paid vacation, family health insurance, supplemental dental and vision, life insurance and exclusive access

to Hallador's wellness and medical clinic (free to all Hallador employees and families). Presently, new hires who complete required MSHA training with Sunrise receive a \$750 gift card as a training incentive after 30 days of employment.

The Freelandville Mine is one of many new investments Hallador is making in the area. In February, Hallador announced it would be acquiring the Merom Power Plant, located in Sullivan County, IN, subject to certain governmental and regulatory approvals. Hallador anticipates completing the purchase in the 3rd quarter and has entered into a multi-year Power Purchase Agreement with Hoosier Energy. It is expected, over time, up to half of Sunrise's coal production will be consumed annually at the

Merom Power Plant, securing long-term demand for Sunrise's large coal reserve base.

Earlier this year, Sunrise began operating its Russellville, IL elevator. This investment provides a closer location for employees located near the Russellville area to access the Oaktown II underground mine. Also, in Pike County, IN, Sunrise



will begin new surface mining operations at its Prosperity Mine, near Petersburg, IN.

As Hallador Energy/Sunrise Coal continues its expansion in Knox County, IN, Sullivan County, IN, Pike County, IN and Lawrence County, IL, they expect their employee base to grow in excess of 1,000 people. Some of this growth can be attributed to the growing understanding of how safe today's mining industry is. Mining enjoys an incident rate of non-fatal occupational injuries that is better than agriculture, forestry, fishing, hunting, health care, manufacturing, and construction. Additionally, Sunrise's is proud to maintain a safety record that is far better than its industry average. Couple its safety record with an on-site award winning mine rescue team and it is obvious those that value safety chooses Hallador/Sunrise.



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World News

Department of Labor's emergency unit wins world championship at international competition testing mine rescue skills

Event challenged teams from North and South America, Asia, Africa, Europe, Oceania

WASHINGTON – The U.S. Department of Labor today announced the department's Mine Safety and Health Administration's "Mine Emergency Unit" bested competitors from around the world and finished first at the International Mines Rescue Competition, held Sept. 11-16, 2022, in Beaver, West Virginia. After a two-year hiatus caused by the pandemic, the biennial event resumed at the National Mine Health and Safety Academy where highly skilled teams from the U.S., Australia, Canada, Colombia, Finland, India, Poland and Zambia competed.

The competition included knowledge and skills challenges based on emergency scenarios, including mine fires and roof collapses. During the events, teams simulated rescues, fighting fires, high-angle rope rescue, first aid, team theory, and technical and team skills. In addition to testing understanding and abilities, the event provides comprehensive learning opportunities for teams to develop greater mine rescue skills and maintain response readiness.

"Mine rescues competitions are demanding tests for highly trained first responders who may face mine emergencies," explained Assistant

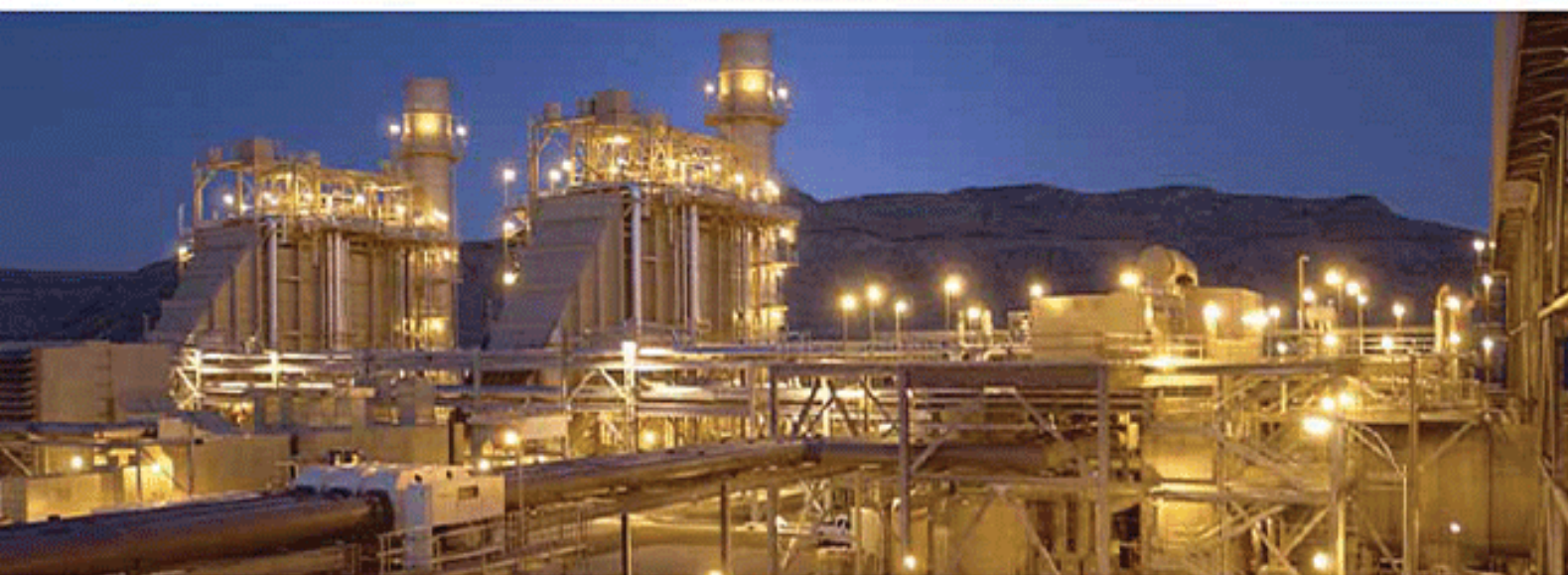
Secretary for Mine Safety and Health Chris Williamson. "These events help prepare mine rescuers and ensure that first responders remain safe even as they selflessly risk their lives to save others." Among the event's top finishers were Consol Energy's "Bailey Blue Team" from Pittsburgh, Doe Run Company's "Maroon Team" from St. Louis, and Genesis Alkali's "Blue Team" from Green River, Wyoming. In all, this year's competition included four teams from the U.S.; five from Canada; three teams from Australia, India, and Zambia; two from Colombia; and one each from Poland and Finland. "The employees of the Mine Safety and Health Administration are dedicated to supporting the commitment and sacrifice of mine rescuers," Assistant Secretary Williamson added. "We are very proud that our own Mine Rescue Unit has been recognized as the world champion, and look forward to defending our crown in Colombia in 2024."

This marks the second time the MSHA MEU Team has finished in the top spot. The MSHA team previously won the first International Mines Rescue Competition in Louisville, Kentucky in 1999. The contest began following the 1998 deaths of six Polish miners at the Niwka-Modrzejow coal mine in Sosnowiec.





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GEORGIA POWER TO LAUNCH SINGLE LARGEST BENEFICIAL USE PROJECT FOR COAL ASH IN U.S.

ATLANTA, /PRNewswire/ -- Georgia Power announced today a landmark coal ash beneficial use project at Plant Bowen near Cartersville, Georgia, where millions of tons of stored ash will be excavated for use in concrete to construct bridges, roads, and buildings in Georgia – and throughout the Southeast. The project will be the single largest beneficial use project of its kind in the U.S., and the largest ever for Georgia Power.

“Georgia Power is always researching and exploring new and innovative ways to reuse coal ash that is beneficial to our customers and our communities. Finding and securing these opportunities to beneficially use coal ash will not only reduce and save space in landfills, but will also serve as a financial tool to help offset the cost of ash pond closures for our customers,” said Aaron Mitchell, vice president of Environmental Affairs for Georgia Power. “As the largest project of its kind in this country, this project at Plant Bowen is historic for our company, and our entire industry, and we see the potential to expand beneficial use projects further in the future.”

Today, Georgia Power already recycles 85% of all ash and gypsum, including more than 90% of fly ash, it produces from operations for various beneficial uses such as concrete production as well as other construction products.

Eco Material Technologies, the leading producer of sustainable cementitious materials and cement replacement products, will manage the project at Plant Bowen, including the end use of the excavated coal ash. Coal ash has been demonstrated to provide significant value to certain products, such as concrete, in which it adds strength and durability. Opportunities for beneficial use of stored coal ash also helps reduce the need for raw materials otherwise used in production.

“As the largest partnership of its kind in the

U.S., this project will not only use material from landfills and ash ponds, but also keep millions of tons of CO₂ from going into the atmosphere,” said Grant Quasha, CEO of Eco Material Technologies. “The harvested material will be used in concrete to make stronger and longer lasting bridges and roads and serve as a model for helping forward thinking utilities like Georgia Power and Southern Company close landfills and ash ponds, while building a greener and more sustainable planet.”

Georgia Power continues to seek to identify opportunities for the beneficial use of coal ash stored at active and retired coal-fired power plants across the state. This will allow the company to continue to partner with qualified participants, such as Eco Material Technologies, to ensure innovative and cost-effective solutions are selected as part of ash pond closures to benefit Georgia Power customers. “As concrete manufacturers continue to work to achieve carbon neutrality in production, and power companies seek modern and innovative solutions for beneficial use of coal ash, this voluntary project in Georgia is a model for the industry, directly responding to both market and environmental needs,” said Tom Adams, executive director of the American Coal Ash Association. “With the nationwide focus on improving American infrastructure including roads and bridges, demand for materials continues to outpace available supply, and collaborative projects such as this will be critical to bridging that gap in the future.” Infrastructure installation to accommodate the work at Plant Bowen will begin immediately, with ash removal expected to begin by 2024 and increasing to 600,000 tons of ash per year to be removed from the ash pond and landfill at Plant Bowen. The final amount of coal ash harvested and used under this project is expected to be 9 million tons in total.

New project with Eco Material Technologies calls for coal ash to be removed at Plant Bowen and beneficially used for construction materials such as concrete.

Ash Beneficial Use Center

Georgia Power recently partnered with Southern Company Research and Development and the Electric Power Research Institute (EPRI) to open a research facility at Plant Bowen – the Ash Beneficial Use Center – to identify, test and speed the development of beneficial uses of coal ash. The facility allows for pilot projects and testing of technologies to continue to increase the recycling and use of coal ash. The research center is a collaborative project with other electric power utilities through EPRI, an independent, non-profit organization with members in 35 countries, and the center will be available for research projects by EPRI, utilities, technology developers, and academia.

About Georgia Power

Georgia Power is the largest electric subsidiary of Southern Company (NYSE: SO), America's premier energy company. Value, Reliability, Customer Service and Stewardship are the cornerstones of the company's promise to 2.7 million customers in all but four of Georgia's 159 counties. Committed to delivering clean, safe, reliable and affordable energy at rates below the national average, Georgia Power maintains a diverse, innovative generation mix that includes nuclear, coal and natural gas, as well as renewables such as solar, hydroelectric and wind. Georgia Power focuses on delivering world-class service to its customers every day and the company is recognized by J.D. Power as an industry leader in customer satisfaction.

About Eco Material Technologies

Eco Material Technologies is the leading producer of sustainable cement alternatives in the U.S., serving over 4,000 unique customer locations from its 100+ sites across 45 states. The Company is the leading marketer and distributor of fly ash, with an approximately 50% volume share in the U.S. and the industry's only true national footprint of logistics networks and distribution channels. Eco Material also has a patented technology to convert fly ash and other materials into innovative, near-zero carbon building materials that react faster, match the one-day performance of, and after 28 days are approximately 20% stronger than traditional cement, all while reducing by approximately 99% the CO2 emissions that are traditionally associated with cement production. The Company also provides mission-critical utility services, including operations support, waste disposal, and environmental remediation.

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Senator Richard Shelby

Vice Chairman of the Senate

Appropriations Committee

Shelby Offers Amendment Requiring Interior Dept. to Complete Coal Lease Applications

WASHINGTON, DC – U.S. Senator Richard Shelby (R-Ala.), Vice Chairman of the Senate Appropriations Committee, today introduced an amendment (#5418) to H.R.5376, the Democrats' reconciliation bill, that would require the Secretary of Interior to complete pending metallurgical and thermal coal lease applications in an effort to unleash domestic energy sources and lower infrastructure costs in light of the nation's poor economic conditions.



“Following the second straight quarter of decline in our economy, the Biden Administration should prioritize initiatives that lower infrastructure costs and increase domestic energy development – and one way to do that is to expeditiously issue pending coal leases to applicants. We cannot continue to block the mining of our own essential energy sources and building materials. The American people are hurting, and it’s our responsibility to help. My amendment will increase energy production, support thousands of jobs, and alleviate the effects of record-high inflation. I urge my Senate colleagues to stand with our coal miners by voting in favor of this amendment.”

The amendment would require the Secretary of Interior to complete pending Lease by Application processes for both metallurgical and thermal coal through the Bureau of Land Management’s Lease by Application program no more than 60 days after the enactment of the legislation. The mining of metallurgical and thermal coal is essential to the success of the U.S. economy and provides thousands of jobs nationwide. Due to a pause by the Biden Administration, the Bureau of Land Management’s Lease by Application Program is currently frozen for all federal coal leases.



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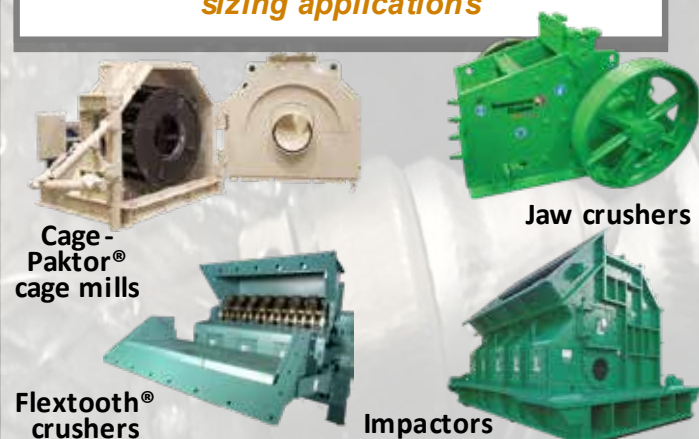
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The Brown Palace Hotel
Denver, Colorado

December 30, 2022

UMLER Waivers must be returned to NCTA

May 8 – 10, 2023

NCTA Operations & Maintenance 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 Business Meeting and Conference

Cheyenne Mountain Resort
Colorado Springs, Colorado

ACAA (American Coal Ash Association)

September 27, 2022

ACAA 2022 Fall Membership Meeting

Birmingham Ross
Bridge Resort,
Birmingham, Alabama

January 31 – February 1, 2023

ACAA 2023 Winter Membership 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
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November 10, 2022

Virtual Workshop - NESC Updates

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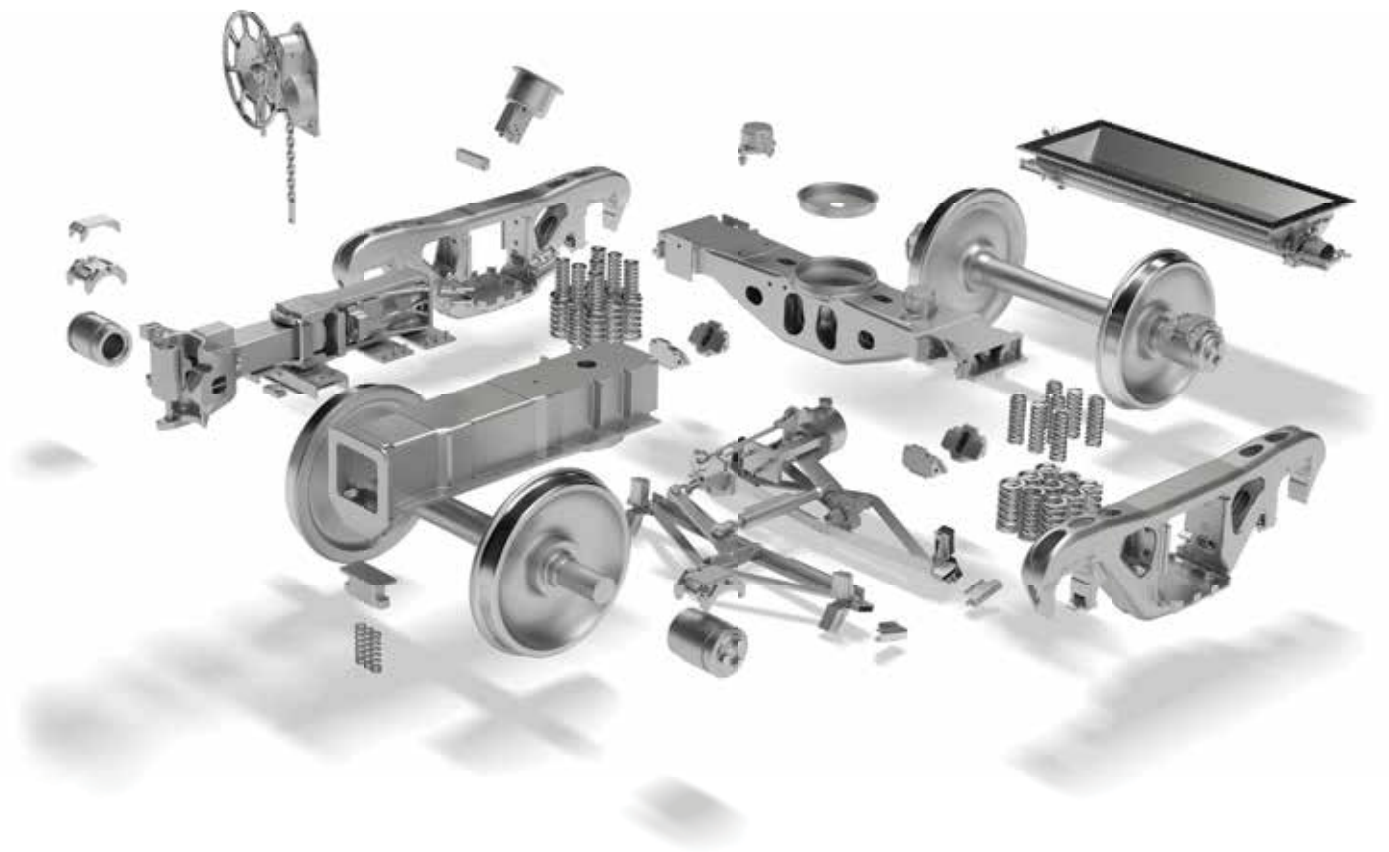


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