

# coal ENERGY

Issue 1 • 2020

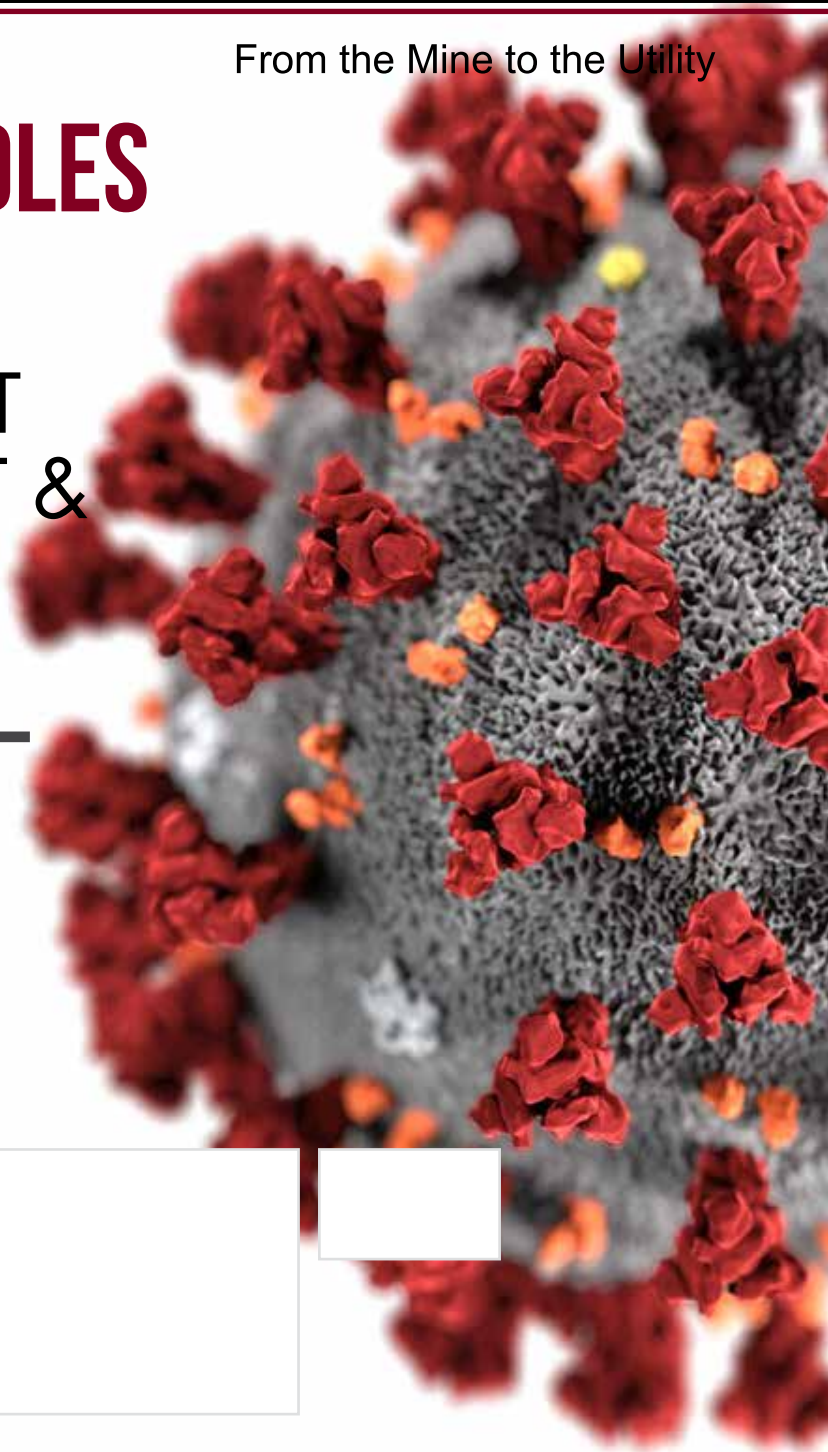
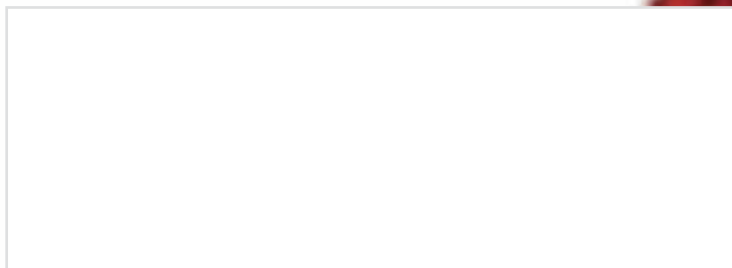
From the Mine to the Utility

**COVID-19 IDLES  
US MINES**

**INTELLIGENT  
EQUIPMENT &  
MINING**

**2019 COAL  
MINING  
DEATHS**

*MEMBERSHIP  
DIRECTORY*



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## Published & Produced By:

Martonick Publications, Inc.

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Boynton Beach, FL 33424

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

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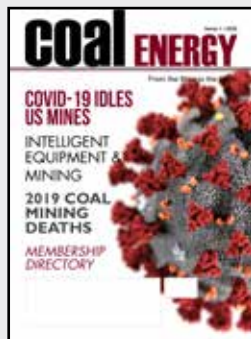


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# letter from THE PUBLISHER



APRIL 2020

Dear readers,

Welcome to Issue 1, 2020 of **Coal Energy**.

As COVID-19 impacts every aspect of our lives, we take a look at how it is begging to affect our mining communities in these uncertain times. With the coal sector being on the list of exempted industries, the safety of our miners is a top priority as they

continue to ensure a stable energy and electricity supply for all Americans.

In our world news section, we see how intelligent equipment and artificial intelligence are making great strides in our industry.

The OSMRE has now opened nominations for 2020 Excellence in Surface Coal Mining Reclamation. For details on how to put forth your nomination, please see page 24.

**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.

Every year our writers gather information on the tragic loss of coal miners in the industry. MSHA's updates are included semi-annually as well as tributes and memorials to honor our fallen miner's. The memorial for 2019 will be included in the next issue. Please stay tuned to remember our nation's heroes that lost their lives to provide energy for America. Please take a moment of silence as you review information regarding these eleven miners on page seven.

**Coal Energy** is also proud to be able to provide quick news updates gathered from various sources

to create an easy wealth of industry information at the click of a button. From newly released equipment, to quarterly finance news, you can easily review important industry happenings in our press release section starting on page 17.

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.



# ASSOCIATION COMPARISONS



## 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.nma.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://movecoal.org>

## AMERICAN SOCIETY OF MINING AND RECLAMATION

### MISSION:

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

<https://www.asmr.us>

## 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.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>

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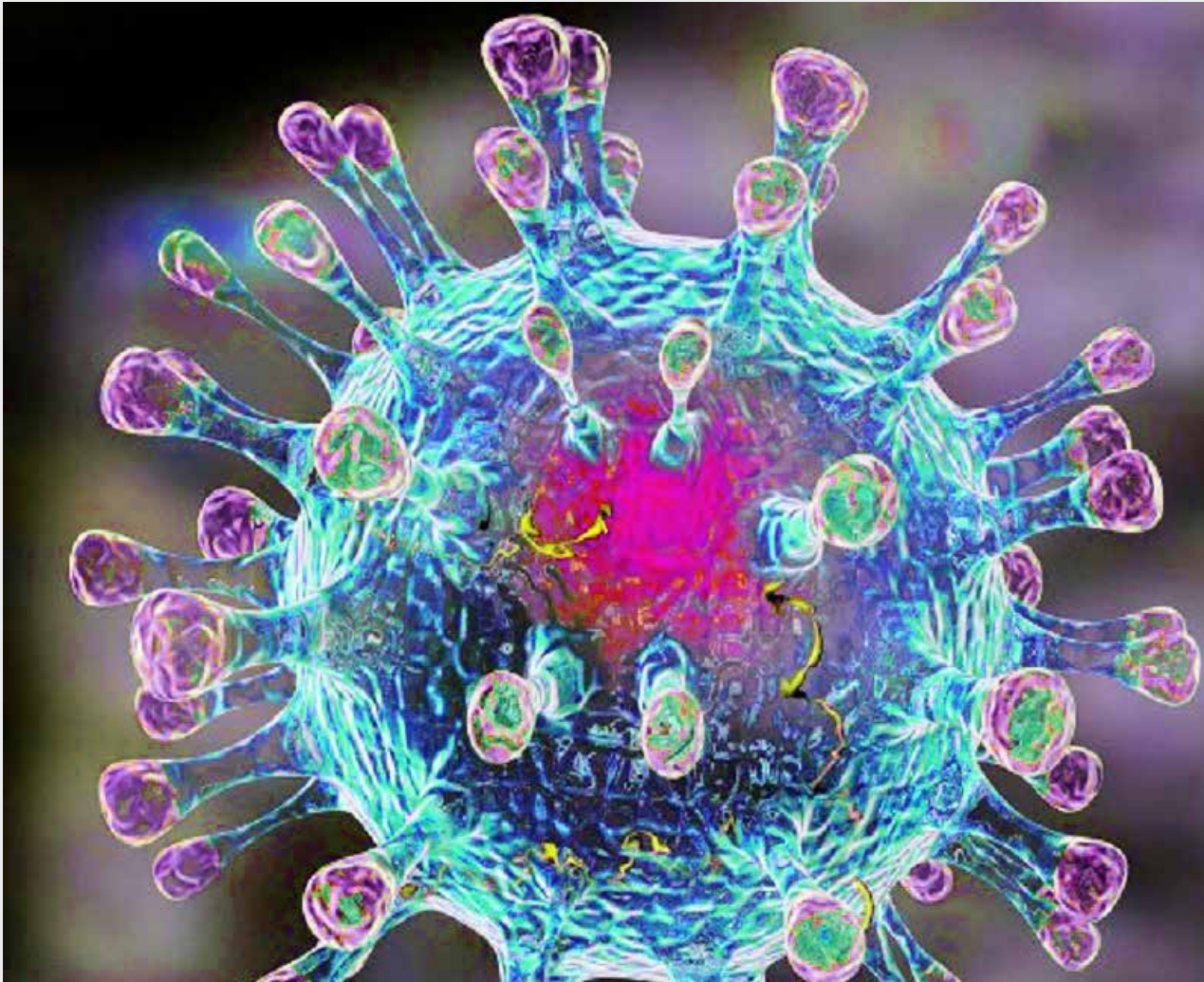
## PLEASE STAY TUNED FOR COAL ENERGY'S MEMORIAL TO HONOR OUR BRAVE COAL MINERS WHO LOST THEIR LIVES IN THE INDUSTRY IN 2019

1. John D. Ditterline, 55, January 5th 2019, Alliance Resource Partners LP
2. Jeffery N. Slone, 56, January 14th 2019, Tennco Inc.
3. Adam Deboard, 38, March 7th 2019, White Forest Resources, Inc.
4. Felix M. North, 48, May 30th 2019, Rex Coal Company Inc.
5. Richard L. Knapp, 62, July 31st 2019, KenAmerican Resources, Inc.
6. Michael S. Davis, 42, August 7th 2019, Blackhawk Mining LLC
7. Thomas A. Flinspach, 20, August 20th 2019, Falcon Power LLC
8. Tanner McFarland, 25, August 29th 2019, CONSOL Energy Inc.
9. Jeremy L. Elder, 29, September 5th 2019,  
Alliance Resource Partners, LP
10. Steven V. Keeney, 40, September 17th 2019, Blackhawk Mining LLC
11. Raymond Starkey, 21, December 23rd 2019, Robert E Murray Company

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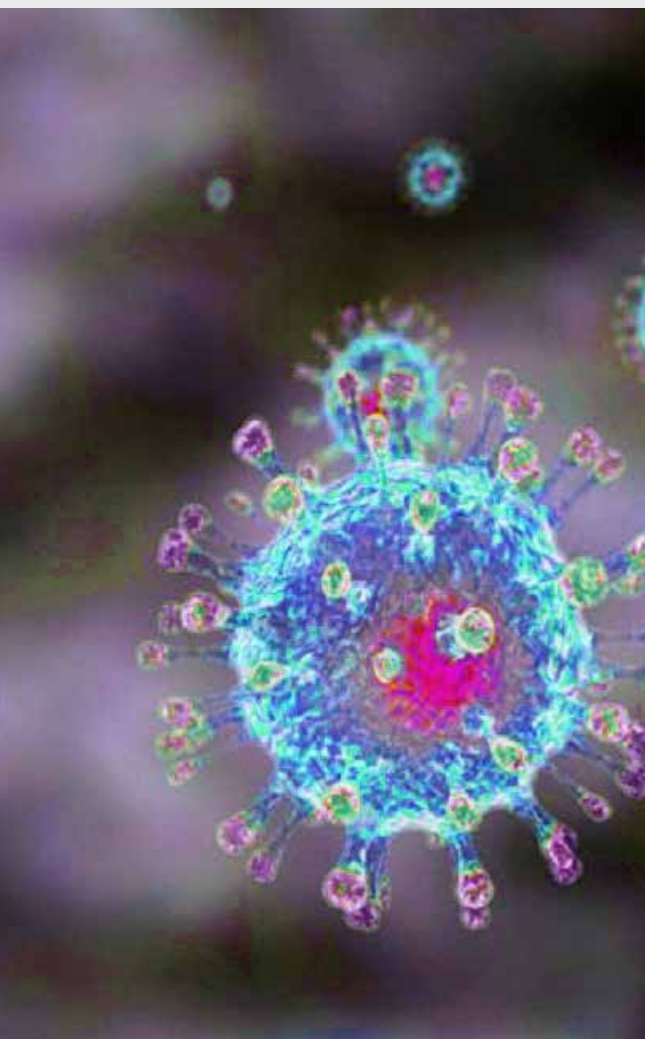
*Please contact [maria@martonickpublications.com](mailto:maria@martonickpublications.com) for the opportunity to sponsor the memorial section.*



# More US coal mines idled as two Pa. mine workers test positive for COVID-19

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By: Taylor Kuykendall



Consol Energy Inc. shut down its Bailey coal mine in Pennsylvania after two employees of the mine tested positive for COVID-19 and Alliance Resource Partners LP announced they are temporarily ceasing production from its Illinois Basin mines, the companies announced March 30.

Consol said it is curtailing production at Bailey for two weeks to perform a "precautionary deep cleaning of the facilities while attempting to determine if any other employees were at risk from exposure." Meanwhile, Alliance said it has been working at reduced levels for the past six weeks to evaluate the need of its customers in the wake of business disruptions related to the virus but is now suspending coal production from its Illinois Basin mines.

### ***Some coal mining continues despite pandemic***

Consol's Enlow Fork and Harvey mines, the other two mines that are part of its three-mine Pennsylvania mining complex, will remain open "to ensure a stable energy and electricity supply for all Americans," Consol wrote. Both of the employees who tested positive for the novel coronavirus were asked to self-isolate for 14 days.

"We will continue to monitor the issue closely in order to limit potential exposure to other employees, contractors, family members, and the community," Consol wrote in a March 30 news release.

There have been 122,653 total confirmed and presumptive cases of COVID-19 resulting in 2,112 deaths in the United States, as of a March 29 update from the Centers for Disease Control and Prevention. Union workers recently asked the U.S. Mine Safety and Health Administration to issue additional safeguards related to preventing miners' exposures to the virus. The union said workers with black lung may be particularly vulnerable. Working underground also presents additional risk to miners who must work in close proximity to one another.

An MSHA representative said in a March 27 email that the agency is "actively working on many fronts to aid the American workforce during the COVID-19 response" but did not specifically respond to whether the government would issue any new safeguards for miners.

Coal miners in Pennsylvania were initially bracing for a temporary halt to all operations in the state when the governor directed non-life sustaining business to close on March 19. The coal sector was not initially included on the list of exempted industries but was later added to the list.

### ***Alliance braces for substantial hit to US coal demand***

Alliance said in a March 30 news release that the "unprecedented decision by world leaders to lockdown the global economy to combat the

deadly virus has crushed demand for energy."

"The price war initiated by Saudi Arabia and Russia has lowered oil prices even more," Alliance wrote in the update. "All Americans are having to adjust to a way of life none of us could have imagined two months ago."

Alliance scheduled the idling of its Illinois Basin operations to last until April 15, though a return to production could be accelerated or delayed based on the business needs of its customers. Producers in the region were warning that the Illinois Basin was oversupplied before the spread of COVID-19.

Alliance said it is adjusting production at its operations to match its existing sales commitments of approximately 28 million tons for 2020.

The company also said it is taking initiatives to reduce its costs, expenses, working capital and capital expenditures. The company's board of directors suspended the cash distribution to unitholders for the first quarter, and the com-

pany withdrew its 2020 operating and financial guidance.

"It is important to note that approximately 75% of our domestic sales are targeted to states that depend on coal, more than any other fuel, to generate electricity," said Alliance President and CEO Joseph Craft in the news release. "As serious as the disruption caused by the virus has been to the citizens of these states, imagine the impact if our miners didn't show up every day to ensure the reliable supply of this essential fuel necessary to keep the lights on."

Alliance said it expects its total sales tons for 2020 to be approximately 25% below its initial expectations. Other coal companies who have said they are idling or stopping their U.S. coal production in response to the virus include Rhino Resource Partners LP, Blackhawk Mining LLC and Coronado Global Resources Inc.

*This article has been reprinted with permission, written by Taylor Kuykendall, Reporter, S&P Global Market Intelligence*

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## World News:

# HOW DOES THE INTELLIGENT EQUIPMENT CHANGE THE MINING INDUSTRY?

By: Laurence M'ule

The mining industry is a global industry and every product used is crucial. Efficiency is an important component of mining work, since most productions are converting materials into different forms. Often, small improvements in execution speed, process efficiency, and downtime reduction separate profitable operations from outright failures.

Artificial intelligence (AI) is now readily available in many of the products and services we use. In addition, cloud computing has matured, hardware prices have fallen, and machine-to-machine communications have improved, leading to unex-

pected advances in mining and industrial technology.

Driverless trains whizzed through ports and mines, and thousands of driverless trucks sped through red plumes of dust. That is the scenario outlined by Rio Tinto, the global mining giant, in its planned \$2.2 billion "smart mine" project. In the future, in the Pilbara iron ore mining area in Australia, robots, driverless cars, trucks, freight trains and unmanned drilling rigs will form a network of intelligent equipment to truly realize the intelligent mining.



At a large port in the remote Pilbara region of Australia, a 200-meter-long motor-driven conveyor belt runs non-stop, hauling 10,000 tonnes of ore an hour from its stockyards to cargo ships bound for China and Japan. BHP began developing new technology in November, 2018, which will put into use this week, to help the company monitor the productivity.

BHP and its rival, Rio Tinto, have been forced to find ways to cut costs over the past five years as commodity prices have fallen and mining profits have dwindled. Initially, mining companies focused on reducing staff, closing unprofitable mines

and cutting investment in finding new deposits. At the same time, companies were investing more in research and development because new technologies can help them move into remoter areas, dig deeper and bring ore to market faster.

In Finucane Island, mechanical conveyor belt is introduced as a new technology of BHP billiton, its technical director and former Boeing engineer Diana said that they also use drones (installing military level sensor) for drawing in mines, building real-time 3D gallery, and in the future, super computers will play an important role in the process of mining.

## THE COSTS ARE REDUCED BY NEW TECHNOLOGIES APPLICATION.

In fact, many mining enterprises have already adopted the conveyor belt but the function is limited. Traditional conveyor systems use pulleys at both ends of the belt in short distances. BHP said the new design, which makes the conveyor belt cheaper to build and operate and easier to control, would break down restrictions and connect deep pits and underground tunnels to processing plants and rail stations. With the new conveyor belt, trucks can travel much shorter distances.

Mining profits have picked up in the past few years, largely because of high demand for iron ore and coal, while miners' wages have risen. At its peak, truck drivers and drillers in the Pilbara region earned \$200,000 a year. Last year, Rio Tinto attempted to transport ore from its Pilbara mines to ports using driverless trains, but the new technology failed in passing the final tests.

"Mining companies are not willing to take risks." David Cormack, Deloitte's head of mining consulting, said, "Any delay in introducing new processes and innovating new technologies can bring serious results." The good news is that remote operation centers allow mining companies to monitor mines from hundreds of miles away by satellite. BHP is preparing to install automated drill bits in Australia's iron ore mines, which could be used anywhere, after experimenting with robotic mining and finding it more productive and less costly to maintain.

Mining companies are under pressure to innovate because other ways of cutting costs are already constrained. "The question are that is it sustainable and where should it go?" At the Escondida copper mine, the world's largest one, BHP is testing new sensors that will tell when rocks are scooped up

whether they are valuable or not. The cost of expanding the plant is high, and with new technology, expansion is less urgent.

Drones fly over the Goonyella Riverside mine in eastern Australia. Mining companies have fitted the drones with infrared sensors and zoom lenses that alert monitors when large groups of people and equipment gather in the blast zone. The mine is 14 miles long and six miles wide, and without the help of drones, the only way to gather information is by car or by plane.

## INDUSTRIAL UAV IS ATTRACTING THE ATTENTION NOW.

"We've been going invisible for the last few years because we don't think it's appropriate to talk about it if the work isn't done," said Krauss, founder and CEO of Airobotics, an Israeli company that recently launched a fully autonomous industrial drone. The Airobotics drone has an independent base, weighs 6kg and can perform programmed tasks automatically, such as checking equipment, guiding investigations, drawing and finding security vulnerabilities.

The drone can collect and analyze aviation data and land on the base station automatically. The base station robot can change the battery and install equipment to prepare the drone for the next flight.

Klaus claims to be the first company to offer integrated driverless systems to industrial companies. Next quarter, Airobotics will open an office in Australia, targeting mining, oil and gas, and other industrial companies. Oil and gas companies can use drones to inspect pipelines, and mining companies can order drones to fly high to check for equipment failures without risking their employees.

In 2015, the global non-military uav market revenue reached \$200 million to \$400 million, and it is still growing now. Whether agribusinesses, mining companies or media companies, there is a strong demand for uav. Drones are widely used, and if they are skilled enough to operate in some unrestricted areas, they can get a head start.

Although some of the world's largest mining companies have introduced drones, they are still in the early stages of development. For most mining companies, cutting costs and improving efficiency are much more important. Just how much lower costs and greater efficiency drones have brought to mining companies shows that they are still in their early stages of development.

### DRIVERLESS TRUCKS ARE DESIGNED AND DEVELOPED AT A FAST SPEED.

Australia produces 60% of all mining software, and its mining equipment, technology and services industries are worth 90 billion Australian Dollar(\$67.6 billion) a year. In western Australia, there are more than 100 exploration and mining software companies with annual sales of less than 1 million Australian dollars (about 750,000 US dollars) or more than 100 million Australian dollars (about \$75 million).

Rio Tinto is actively introducing new technologies, such as automation. Rio Tinto has deployed the world's largest fleet of driverless trucks in its Pilbara iron ore belt, and it has used 1,700km of track to link four ports and docks together. Rio Tinto manages, monitors and adjusts the system through the Perth operations center. At the same time, it is preparing to introduce 45 driverless trucks in stages over several years, with the aim of improving efficiency, productivity and employee safety.

The Volvo truck looks like a regular truck, with a cab that the driver can sit in and control. Autonomous trucks are being developed by Volvo in partnership with Saab, which has Combitech, a software company, to develop autonomous technology. Without human supervision, the car can go on its scheduled route. The truck is fitted with sensors and GPS to monitor stationary and moving obstacles, and the truck can communicate with the transportation system center.

### COMMON MINING EQUIPMENT IS GETTING SMARTER.

Equipment for crushing, grinding, and mineral processing is essential in mining industry, which greatly improves the work and production efficiency. With the requirements of environmental protection and market demand, these devices need to be improved constantly. Taking the hxjq machinery as an example, the primary jaw crusher has been upgraded to German jaw crusher and CJ series jaw crusher after continuous innovation. Different series of jaw crusher can meet different requirements of users in different countries and regions.

German jaw crusher is characterized by the crushing chamber and the optimal design of motion parameters, which not only greatly improve the productivity and quality, but also expand the scope of application of the crusher. It can be widely used in metal and non-metal mining, construction, sand, cement, metallurgy and other industries. Besides, it has an outstanding performance in processing hard materials.

CJ series jaw crusher adopts non-weldable dismountable structure to be easily installed and save the space. The whole machine is placed on the base of the steel frame, and the connection between the main machine

and the base crosses the damping pad, which has little impact on the foundation.

Even the **mobile crushing station** is constantly updated. After the test and actual operation, the hydraulic driving is adopted to realize the intelligent automatic driving. Without human supervision, the mobile crushing station can drive on the predetermined route. Sensors and GPS are installed to monitor fixed and moving obstacles and communicate with the operations center.

In addition to the crushers, sand making equipment is also in continuous transformation to meet the requirements of customers on material size and strict environmental protection requirements. The new sand making machine has plastic function with less dust and lower noises in the working process. The application of sand washing machine greatly improves the utilization of resources and maximizes the revenue.

Many enterprises have gradually increased

their dependence on mobile crushing station in order to improve work efficiency and reduce the impact of mining and processing on the environment. The continuous improvement of technological innovation in mining machinery industry has improved the working efficiency and resource utilization rate, thus increasing the income.

Human economic and social activities can never be separated from the material guarantee provided by mineral resources. What the mining industry needs to do is to change the inherently inefficient mining method and the concept of "mining first, then governance", and gradually move to a higher level to realize intelligent and green development. Intelligent green mining, not only can produce mineral products of high quality and low cost, but also can turn the mining industry more environmentally friendly, which is also a starting point for the mining industry to reshape the image.

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# PRESS RELEASES

## Fatal U.S. Mining Accidents Dropped in 2019 / January 30, 2020

ARLINGTON, VA – There were 24 mining fatalities in the U.S. in 2019, the U.S. Department of Labor’s Mine Safety and Health Administration (MSHA) reports. This is the fewest annual fatalities ever recorded, and only the fifth year in MSHA’s 43-year history that mining fatalities were below 30. MSHA is still reviewing two cases of possible chargeable fatalities which, if added would make the total in 2019 the second lowest number of fatalities ever recorded.

There were four deaths each in Kentucky and West Virginia; two each in Pennsylvania, Tennessee and Texas; and one each in Georgia, Idaho, Illinois, Louisiana, Minnesota, Mississippi, New Mexico, Oklahoma, South Carolina, and Vermont.

“The low number of mining deaths last year demonstrates that mine operators have become more proactive in eliminating safety hazards. But I believe we can do even better,” said Assistant Secretary for Mine Safety and Health David G. Zatezalo. “A disproportionate number of mining deaths involved contractors, and we saw an uptick in electrocution accidents, with three deaths and another two close calls. In response, the Mine Safety and Health Administration launched a targeted compliance assistance effort, visiting thousands of mines to educate miners, operators and contractors on procedures that could prevent accidents like these.”

After a two-year increase in 2017 and 2018, when about half of all deaths resulted from vehicle-on-vehicle collisions, failure to use a functioning seat belt and conveyor belt accidents, MSHA responded with a multifaceted education campaign and initiated rulemaking. In 2019, the percentage of deaths caused by powered haulage accidents dropped to approximately 25% of all mining deaths.

MSHA collected 147,500 samples from coal and metal/nonmetal mines in 2019, a record high. The data revealed an all-time low for average concentrations of respirable dust and respirable quartz in underground coal mines, and the exposure to dust and quartz for miners at the highest risk of overexposure hit all-time lows as well. Metal/nonmetal mines achieved the second lowest average respirable dust and quartz concentrations since 2009. Metal/nonmetal mines also achieved the second lowest average elemental carbon concentration and average total concentration since 2009.

Approximately 250,000 miners work in around 12,000 metal/nonmetal mines in the U.S., while approximately 83,000 work in around 1,000 coal mines. In 2019, MSHA conducted 37,471 inspections at nearly 13,000 mines employing 330,000 miners, which resulted in 99,663 citations and orders. MSHA inspected all underground mines at least four times in 2019, and it inspected surface mines and facilities at least twice, as required by law.

MSHA works to prevent death, illness and injury from mining and promote safe and healthful workplaces for U.S. miners. MSHA carries out the provision of the Federal Mine Safety and Health Act of 1977 as amended by the Mine Improvement and New Emergency Response Act of 2006. The agency develops and enforces safety and health rules for all U.S. mines regardless of size, number of employees, commodity mined or method of extraction. MSHA also provides technical, educational and other types of assistance to mine operators. MSHA works cooperatively with industry, labor, and other federal and state agencies to improve safety and health conditions for all miners in the United States.

The mission of the Department of Labor is to foster, promote and develop the welfare of the wage earners, job seekers and retirees of the United States; improve working conditions; advance opportunities for profitable employment; and assure work-related benefits and rights.

Editor's note: The list of states where fatalities occurred has been corrected.

Agency: Mine Safety & Health Administration  
Date: January 30, 2020  
Release Number: 20-126-NAT  
Contact: Laura McGinnis  
Phone Number 202-693-4653  
Email: mcginnis.laura.k@dol.gov

Contact: Grant Vaught  
Phone Number: 202-693-4672  
Email: vaught.grant.e@dol.gov

## Arch Announces \$54 Million Equipment Financing Facility / ST. LOUIS,

March 5, 2020 /PRNewswire/

Arch Coal, Inc. (NYSE: ARCH) announced today that it recently closed on a \$54 million equipment financing facility with an average interest rate of 6.3 percent. The facility amortizes over a period of four years and is tied to equipment at the Leer longwall mine in Taylor County, West Virginia.

"We view this facility as a highly advantageous way to augment our already strong financial position, at very competitive rates," said John T. Drexler, Arch's chief financial officer. "As previously stated, Arch is well-positioned to fund the development of the world class Leer South longwall mine with internally available funds, and this transaction fortifies our cash and liquidity position still further. Given today's uncertain macroeconomic environment, we view this transaction as prudent and well-timed, with an amortizing schedule that fits well with the planned start-up of Leer South, which is expected to boost our cash-generating capabilities significantly."

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

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

particular uncertainties arise from changes in the demand for our coal by the domestic electric generation and steel industries; from legislation and regulations relating to the Clean Air Act and other environmental initiatives; from competition within our industry and with producers of competing energy sources; from our ability to successfully acquire or develop coal reserves; from operational, geological, permit, labor and weather-related factors; from the Tax Cuts and Jobs Act and other tax reforms; from the effects of foreign and domestic trade policies, actions or disputes; from fluctuations in the amount of cash we generate from operations, which could impact, among other things, our ability to pay dividends or repurchase shares in accordance with our announced capital allocation plan; from our ability to successfully integrate the operations that we acquire; from our ability to complete the joint venture transaction with Peabody Energy in a timely manner, including obtaining regulatory approvals and satisfying other closing conditions; from our ability to achieve expected synergies from the joint venture; from our ability to successfully integrate the operations of certain mines in the joint venture; and from numerous other matters of national, regional and global scale, including those of a political, economic, business, competitive or regulatory nature. These uncertainties may cause our actual future results to be materially different than those expressed in our forward-looking statements. We do not undertake to update our forward-looking statements, whether as a result of new information, future events or otherwise, except as may be required by law. For a description of some of the risks and uncertainties that may affect our future results, you should see the risk factors described from time to time in the reports we file with the Securities and Exchange Commission.

SOURCE Arch Coal, Inc.

## ASGCO® Announces Their New Improved Belt Clamps Are Being Rebranded to "Safe-Grip™" Belt Clamps!

Allentown, PA.: ASGCO® "Complete Conveyor Solution's" unveils two new products in our line of Safe-Guard® safety conveyor products. Designed to secure the belt for safe repair, the BC6 (6 Tons) and BC8 (8 Tons) Safe-Grip™ Belt Clamps were created for maximum grip! Capable to handle more weight and work in any condition, they replace the existing BC5 (5 Tons) and BC7 (7 Tons) models.

The new BC6 (6 Ton) model is available for belts up to 72" wide and up to 1" thick. It is primarily designed for use in medium duty aggregate and cement, coal and coal fired power plants, copper and gold mining, iron ore and steel mills, pulp and paper mills, bulk shipping terminals, and mineral mining.

The new BC8 (8 Ton) has a lighter metal body and incorporates the use of reinforced bars. It is available for belts up to 96" wide and up to 2 1/4" thick. With a larger design, it is capable of handling heavy duty wide conveyor belts in coal and coal fired power plants, copper and gold mining, iron ore and steel mills, and bulk shipping terminals.

Safe-Grip™ Belt Clamps are manufactured in the USA and are constructed from high grade steel components that are light in weight, conducive for easy transportation

and assembly. Its shock-absorbing end caps are designed to protect the bars from hammer use and drops. Engineered for tough conditions, Safe-Grip™ Belt Clamps allow for a lasting gripping force that far exceed all competitive solutions.

### About ASGCO®

ASGCO® "Complete Conveyor Solutions" founded in 1971 and headquartered in Allentown, PA is a leading manufacturer, distributor and service provider of proprietary conveyor and screening equipment and accessories that improve the safety and performance of bulk material handling systems.

ASGCO® is a diversified and innovative company with three major divisions that serve specific targets of the material handling industry. The growth of the company, over the years, is due to recognized improvements in the efficiency, safety and productivity of our customers operations. At ASGCO® we continue to strive to make the handling of bulk materials more efficient, safer, and more productive.

Visit our website at [www.asgco.com](http://www.asgco.com). Contact us toll-free at (800) 344-4000.

Media Contact: Luigi Alatrasta  
Telephone #: 610.778.8978  
E-Mail: [lalatrista@asgco.com](mailto:lalatrista@asgco.com)

## Arch Coal, Inc. Announces New Roles for Drexler and Giljum

/ST. LOUIS, March 24, 2020 /PRNewswire/

Arch Coal, Inc. (NYSE: ARCH) today announced that – as part of its ongoing succession process – John T. Drexler will become the company's chief operating officer and Matthew C. Giljum will become its chief financial officer, effective April 30. Drexler is currently Arch's chief financial officer and Giljum is currently Arch's treasurer and vice president of finance.

"John has done a tremendous job as chief financial officer during a period of great transition for the company," said Paul A. Lang, Arch's incoming chief executive officer. "Under John's

leadership, Arch has conducted a highly successful capital return program and built the industry's strongest balance sheet, while at the same time ensuring ample funding for the build-out of our world-class growth project at Leer South. John is a skilled leader with an exceptional understanding of our business and operating portfolio, and I'm confident that he will be highly successful in this pivotal new role with the company."

"Matt is exceptionally well-equipped to succeed John as Arch's next chief financial officer,"

Lang continued. "He has played an instrumental role on the company's financial leadership team for many years and has contributed significantly to our strong performance and numerous achievements on that front. I am certain he will make an even greater contribution to the company's ongoing growth and success in this significant, new capacity."

Both Drexler and Giljum will report to Lang.

Drexler has served as Arch's senior vice president and chief financial officer since 2008. Prior to that role, he held the positions of vice president of finance and accounting; vice president of accounting, reporting and planning; and director of planning and forecasting, among others. He joined Arch in 1998 after beginning his career at EY. He is a Certified Public Accountant and holds a B.S. degree from the University of Missouri. In addition to his responsibilities at Arch, Drexler serves on the board of Knight Hawk Coal Company, and is the former board chair and current finance committee chair of The Magic House, a nationally recognized children's museum located in Saint Louis.

Giljum has served as Arch's vice president of finance and treasurer since 2015. Prior to that role, he served as the company's vice president of finance, as well as a number of other positions of increasing responsibility in the company's finance department. Giljum joined the company in 2002 after beginning his career at EY. He is a Certified Public Accountant and holds a B.S. from the University of Missouri and an MBA from Washington University in Saint Louis.

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

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



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

contain words such as "should," "appears," "expects," "anticipates," "intends," "plans," "believes," "seeks," or "will." Forward-looking statements by their nature address matters that are, to different degrees, uncertain. For us, particular uncertainties arise from changes in the demand for our coal by the domestic electric generation and steel industries; from legislation and regulations relating to the Clean Air Act and other environmental initiatives; from competition within our industry and with producers of competing energy sources; from our ability to successfully acquire or develop coal reserves; from operational, geological, permit, labor and weather-related factors; from the Tax Cuts and Jobs Act and other tax reforms; from the effects of foreign and domestic trade policies, actions or disputes; from fluctuations in the amount of cash we generate from operations, which could impact, among other things, our ability to pay dividends or repurchase shares in accordance with our announced capital allocation plan; from our ability to successfully integrate the operations that we acquire; from our ability to complete the joint venture transaction with Peabody Energy in a timely manner, including obtaining regulatory approvals and satisfying other closing

conditions; from our ability to achieve expected synergies from the joint venture; from our ability to successfully integrate the operations of certain mines in the joint venture; and from numerous other matters of national, regional and global scale, including those of a political, economic, business, competitive or regulatory nature, and natural disasters, pandemics and outbreaks of contagious diseases and other adverse public health developments, such as coronavirus disease (COVID-19). These uncertainties may cause our actual future results to be materially different than those expressed in our forward-looking statements. We do not undertake to update our forward-looking statements, whether as a result of new information, future events or otherwise, except as may be required by law. For a description of some of the risks and uncertainties that may affect our future results, you should see the risk factors described from time to time in the reports we file with the Securities and Exchange Commission.

SOURCE Arch Coal, Inc.

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# President Proposes \$116 Million FY 2021 Budget for OSMRE /

News Release Office of Surface Mining Reclamation & Enforcement A Bureau of the U. S. Department of the Interior /

February 10, 2020 Contact: Christopher Holmes (202) 208-7941

*Budget Prioritizes Core Mission, Increases Efficiencies, Supports American Energy Needs*

WASHINGTON – President Donald Trump today proposed a \$116 million Fiscal Year (FY) 2021 budget for the Office of Surface Mining Reclamation and Enforcement (OSMRE). "President Trump's 2021 budget request for the Department is about investing in our people and public lands and waters," said Secretary of the Interior David Bernhardt. "He is committed to the mission of conservation and creating more public access for Americans to fully enjoy our national treasures and landscapes. This budget is a critical step in the right direction and provides a path to restore commonsense in our budgeting process."

"I'm incredibly proud that this budget accomplishes the goal of ensuring OSMRE delivers on our core mission for the American people and doing that in the most efficient way possible," said Lanny E. Erdos, exercising the authority of Director of OSMRE. "This proposal supports President Trump's mission of providing both accountability and effectiveness for our citizens in 2021 and beyond." The President's FY 2021 budget request strongly supports American energy needs. Coal mining will continue under the appropriate regulatory structure laid out for OSMRE and the reclamation of abandoned mine lands will continue to achieve results on behalf of the U.S. citizens.

The budget request supports improved mine plan review processes to enable OSMRE to align its staff and fiscal resources across activities to better streamline the NEPA process, enhance and accelerate the permitting process, and ensure coal mine surface activities are operated in a manner that protects citizens and the environment during mining, and that following mining, the land is restored to beneficial use.

In 2019, OSMRE completed five mining plan decision documents recommending approval of the mining plan modification, including the preparation of eight environmental assessments analyzing the environmental effects of the mining plan modification in compliance with NEPA. The bureau also managed \$291 million in mandatory Abandoned Mine Land reclamation grants provided to the 25 coal-producing States and three Tribes with an approved AML program. OSMRE continued to promote utilization of the Forestry Reclamation Approach (FRA), with 70 percent of all trees planted on FRA prepared

areas. A total number of 4,447,721 trees were planted during FY 2019 with 3,123,940 utilizing FRA on 5,635 acres.

The FY 2021 budget provides the resources required to build on past accomplishments, streamline processes, achieve management efficiencies, and provide technical assistance and training to OSMRE's State and Tribal partners.

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

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# OSMRE Opens Nominations for 2020 Excellence in Surface Coal Mining Reclamation Awards

## ACTIVE MINE AWARDS

The Excellence in Surface Coal Mining Reclamation Awards are presented to coal mining companies that achieve the most exemplary coal mine reclamation in the nation. Past winners have demonstrated a commitment to sound mining practices and effective reclamation plans that enhanced beneficial post-mining use of the land. OSMRE has honored high quality coal mine land reclamation since 1986.

## AWARD ELIGIBILITY

Surface coal mining and reclamation operations conducted under a Title V permit (1978 - present) may be nominated. In addition, non-permitted mining and reclamation completed using Government Financial Reclamation Contracts under the Enhanced Abandoned Mine Land regulations is also eligible for nomination. Abandoned Mine Land reclamation projects carried out exclusive of active mining are not included in this program. AML projects are eligible for a National Award if they are integrated with Title V permitted operations.

Opportunistic observations of aquatic species are another indicator of the successful reconstruction on mined and reclaimed lands.

## AWARD WINNERS

Award winners are recognized for developing innovative reclamation techniques or who have completed reclamation that resulted in outstanding on-the-ground performance. The awards program is designed to help state and Federal regulators transfer outstanding reclamation methods and techniques from award-winning operations to other coal mine operators who work under the Surface Mining Law nationwide.

Coal companies, regulatory authorities, state or Federal mine inspectors, interest groups, or landowners may submit nominations. Company officials and employees may nominate their own operations.

## *National Awards*

A coal mining operation may be nominated for achievement in a specific aspect of reclamation, or for overall performance in meeting goals of the Surface Mining Law. All nominations should include on-the-ground results for however long the results have been in place. For example, a nomination for stream restoration should include several years of water quality monitoring data.

## Good Neighbor Awards

Good Neighbor Awards are given to mine operators for successfully working with the surrounding land owners and the community while completing mining and reclamation. Nominations for this category should briefly describe the mining and reclamation operation (using both narrative and photos), and include testimonial letters and/or other documentation of a successful good neighbor policy.

## CALL FOR NOMINATIONS

Electronic nominations are due to the appropriate regulatory authorities or the Office of Surface Mining Reclamation and Enforcement (OSMRE) field office in non-primacy states by June 1, 2020.

Nominations will be screened by the regulatory authority (RA) points of contact for each coal-producing state or tribe. The RA will forward the best entries (a maximum of four National Awards, and two Good Neighbor Awards from each state), to the OSMRE field offices. Field offices will evaluate and forward the nominations to the OSMRE Headquarters in Washington, D.C., for judging.

Questions about the awards should be e-mailed to Chris Holmes ([awards@osmre.gov](mailto:awards@osmre.gov)).

For detailed nomination requirements please visit <https://www.osmre.gov/programs/awards/ActiveMineAwards.shtm>

## Selection Process

An OSMRE field office representative will conduct a site visit to ensure that:

On-the-ground performance conforms with the permit and is exemplary within that state or geographic area.

Information in the nomination accurately reflects current site conditions.

Other mining activities at the site do not detract from the award-winning activity.

OSMRE will also examine each nominee's Surface Mining Law compliance record to ensure that there are no outstanding violations and to

determine that there is no past record of not abating violations.

A panel of OSMRE judges will evaluate the nominations and select the winners.

## JUDGING STANDARDS

### National Award

Difficulty of Achieving Reclamation under existing conditions (20 points)  
On-Site Effectiveness (30 points)  
Transferability of the Technique or Practice (12 points)  
Increased Public Awareness of SMCRA (8 points)  
Long-Term Benefits to the Community (15 points)  
Exceeds the Spirit and Intent of SMCRA (15 points)

### Good Neighbor Award

Exceeds the Spirit and Intent of SMCRA (10 points)  
Increased Public Awareness of SMCRA (30 points)  
Long-Term Benefits to the Community (35 points)  
Creativity/Ingenuity (25 points)

*Paperwork Reduction Act Statement Federal Agencies may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. OSMRE is collecting this information to give public recognition to the nation's most outstanding achievement in environmentally sound surface mining and land reclamation, and to encourage the exchange and transfer of successful reclamation technology. The obligation to respond is voluntary. Public reporting burden for this collection is estimated to average 88 hours per response, including time for reviewing instructions, gathering and maintaining data, and completing and reviewing the submission. Direct comments regarding the burden estimate or any other aspect of this collection to the Information Collection Clearance Officer, Office of Surface Mining Reclamation and Enforcement, Room 203 SIB, 1951 Constitution Ave., NW, Washington, D.C. 20240.*

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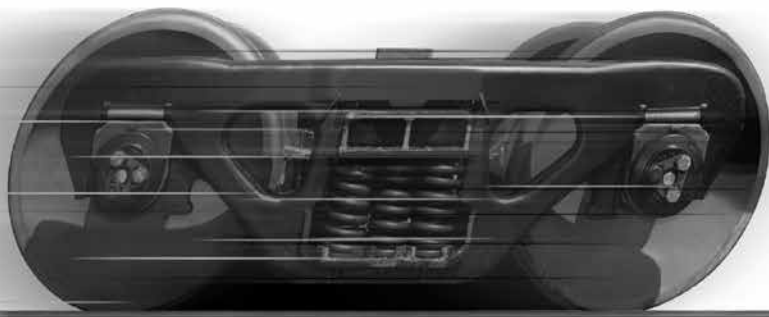
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We have provided a list of contacts for your convenience.

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National Mining Association: (202) 463-2600

American Society of Mining and Reclamation: [asmr@twc.com](mailto:asmr@twc.com)

American Coal Ash Association: (720) 870-7897

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