

coal ENERGY

Issue 4 • 2016

From the Mine to the Utility

WORLD NEWS :
POLAND

COAL'S
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Coal Energy is a magazine linking the 4 main coal associations and remembering miners who have sacrificed their lives working in the coal mining industry.

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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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letter from THE PUBLISHER



JANUARY 2017

Dear readers,

Welcome to Issue 4, 2016 of **Coal Energy**.

I am sure you are as excited as I am for coal's comeback! As we draw a close to 2016 and enter the new year, **Coal Energy** presents a glance on six ways Trump could shift energy policy.

The outlook of the industry is changing. There is a huge surge in interest in the coal EFT, and next year we will start to see coal become great again. While it will take time, of course, "Trump will be able to keep the coal mining industry on a steadier path" says Robert Murray, CEO of Murray Energy. Alpha Natural Resources CEO David Stetson is filled with optimism, stating "we expect to be here for the long term, committed and steadfast..." Virginia Coal and Energy Alliance President Harry Childress is encouraged by Trump's election as well, stating that removing the federal government from playing into the market will give coal the chance it needs to compete.

In this issue's feature articles we look at coal's comeback and the return of confidence in coal.

The world news department contains a profile on Poland and their offer of technology to India for underground mining.

In reclamation news, we are proud to announce Westmoreland's notable reclamation achievements.

In the statistics department we have provided a glimpse in to the annual coal report with the highlights for the prior year.

In every issue **Coal Energy** brings you a member list for each of the main coal organizations. Whilst your company may already be listed, please remember you can feature your company in the member spotlights section by emailing info@martonickpublications.com.

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

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

In our next issue we will be evaluating Trump's 100 day plan progress and visiting Ukraine in our world news department.

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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
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THE NATIONAL MINING ASSOCIATION

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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:

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- Addressing the current and future policy needs of U.S. mining, mining equipment manufacturers and support services members of NMA

www.nma.org

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The Mission of the NCTA is to provide education and facilitation for the resolution of coal transportation issues in order to serve the needs of the general public, industry, and all modes of transportation.

This is accomplished through the sponsoring of educational forums and providing opportunities for the lawful exchange of ideas and knowledge with all elements of the coal transportation infrastructure.

www.nationalcoaltransportation.org

AMERICAN SOCIETY OF MINING AND RECLAMATION

MISSION:

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

<http://fp1.ca.uky.edu/asmr>

AMERICAN COAL COUNCIL

MISSION:

American Coal Council (ACC) provides relevant educational programs, market intelligence, advocacy support and peer-to-peer networking forums to advance members' commercial and professional development interests.

ACC represents the collective interests of the American coal industry ~ from the hole-in-the-ground to the plug-in-the-wall ~ in advocating for coal as an economic, abundant and environmentally sound fuel source. ACC serves as an essential resource for industry, policy makers and public interest groups. The Association supports activities and objectives that advance coal supply, consumption, transportation and trading.

www.americancoalcouncil.org

WORLD COAL ASSOCIATION

MISSION:

The World Coal Association is a global industry association comprising the major international coal producers and stakeholders. WCA works to demonstrate and gain acceptance for the fundamental role coal plays in achieving a sustainable and lower carbon energy future. Membership is open to companies and not-for-profit organizations with a stake in the future of coal from anywhere in the world, with member companies represented at Chief Executive level. WCA is the global network for the coal industry.

www.worldcoal.org/about-wca/

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The Coal Trading Association (CTA) is the only trade association dedicated exclusively to the needs of traders, trading managers, brokers, risk managers, sales managers, and purchasing managers in the coal trading industry.

CTA was established in 1999 to promote coal trading capability and liquidity in the US. CTA develops and maintains industry standards for coal trading activity with the goal of achieving a disciplined, liquid and efficient coal trading industry. To achieve this goal, CTA develops policies, exchanges information among members and other interested professional and technical groups, and offers training programs to improve the knowledge, skills, and practice tools of its members.

www.coaltrade.org



COAL COUNTRY FIRED UP OVER TRUMP

By Nick Giampia Published / November 22, 2016
Business Leaders FOXBusiness

Big coal says President-elect Trump is on the right path for bringing the industry back. During an interview with the FOX Business Network's Charles Payne, Murray Energy CEO Robert Murray discussed how Trump can fire up coal country.

Murray said if Trump eliminates regulation, ends the Paris Agreement and eliminate subsidies for windmills and solar panels to a level playing field, "coal will come back."

Murray, who has been outspoken about President Obama's energy policies, said Trump will be able to keep the coal mining industry on a steadier path.

"Studies show by universities that up to 11 jobs are created for each one of those 63,000 jobs. So, you can see that it is a million jobs that Mr. Obama eliminated with his policies in the most depressed areas of the United States of America. Now, Mr.

Trump can't bring the coal industry back to what it was, Mr. Obama closed 411 coal mine units, but he [Trump] can stabilize where it is," he said.

Murray said coal country can also capitalize overseas.

"There are 7.4 billion people on the planet, 1.3 billion of them do not have access to electricity so the world markets are demanding our coal. Indeed, last week China announced even though it supported the international climate tree that it is increasing its coal consumption by 20%, that was announced last week. So the world needs our coal," he said.

Murray also said the EIA's outlook for world electricity consumption is a "great opportunity for American coal."

"TRUMP WILL BE ABLE TO KEEP THE COAL MINING INDUSTRY ON A STEADIER PATH"



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In addition to the distinction of being in the oldest independent coal company in the United States, Westmoreland Coal Company is also a leader in mine reclamation and environmental stewardship.

Westmoreland Coal Company and Westmoreland Resource Partners recently announced that their Daron-Consol Mine received the Active Mine Reclamation Award for the Appalachian Region from the Office of Surface Mining Reclamation and Enforcement for going above-and-beyond in the company's reclamation efforts.

The Daron Mine was recognized for mining and reclaiming nearly 40,000 feet of abandoned high-wall, which was previously mined in the 1960s and early 1970s. Westmoreland's efforts have now created 16,900 feet of continuous stream channel; filled dozens of slurry impoundments; and created 23 acres of wetlands and grazing lands.

And this is not the company's first time being honored for leading the industry in exemplary reclamation practices – it's Westmoreland's third award in just five years.

"Our Ohio operations exemplify the reclamation standards of the Office of Surface Mining Reclamation and Enforcement, as well as Westmoreland's core value of environmental stewardship. With great vision, a comprehensive

plan, and a strong dedication to doing right, all the credit goes to our coal miners who take great pride in reclaiming mined lands to a condition equal to or better than pre-mining," said Joseph Micheletti, executive vice president of operations for Westmoreland Coal Company.

Westmoreland's coal operations include surface coal mines in the United States and Canada, underground coal mines in Ohio and New Mexico, a char production facility, and a 50 percent interest in an activated carbon plant.

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PRESS RELEASES

American Coal Council Welcomes Opportunity to work with President-elect Trump on the Future for Coal / WASHINGTON, DC

November 9, 2016

The American Coal Council congratulates President-elect Donald Trump on his victory in yesterday's presidential election.

President-elect Trump knows the strategic importance of energy in America. This includes our abundant coal resources, larger than those of any other country in the world. He supports coal and energy jobs as an integral part of a strong economy. He understands the urgent need to rein in the Washington bureaucracy and sweeping, excessive regulations in order to protect jobs, retain and grow our nation's industrial and manufacturing base, and reduce the costly burden of rules that lack commensurate benefits.

"The coal sector has been devastated by lower demand and job loss in recent years due to the mounting impact of regulations pointed squarely at our industry. These regulations have significantly increased the cost of coal for electricity generation and industrial use, made it less competitive against other fuels, and resulted in the closure of a large number of coal plants", American Coal Council CEO Betsy Monseu said. "Rather than offer environmental benefits, regulatory streamlining, and business planning certainty, regulations have become about costs, administrative burdens, and lost jobs."

With a significant loss of coal demand made permanent due to plant closures, it will be critical to protect the investments made in the remaining coal generation fleet. These plants are essential for our nation's power sector to deliver reliable 24/7 electricity to American homes, hospitals, and schools as well as business enterprises and manufacturers of steel, cement, chemicals, paper, and other industrial products. The path forward for coal must also include new technologies and uses.

We look forward to working with President-elect Trump and the members of Congress to begin the process of restoring coal and rebuilding the nation's economy.

The American Coal Council is a nonprofit trade association representing the collective interests of the American coal sector ~ 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.

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WV Coal Association Eager for Trump Administration to Stop Obama's War on Coal / CHARLESTON, W.Va.

The West Virginia Coal Association is cheering President-Elect Donald Trump's victory in the 2016 General Election.

"This election outcome is more than West Virginia's coal industry could have hoped for," said Coal Association President Bill Raney. "Not only will Congress stay in the leadership hands of those who understand coal's importance to the American economy, but we finally will have a chief executive who hears us and cares about us in West Virginia."

While coal production in West Virginia likely will not return to the record productions levels prior to the 2008, Raney said the industry outlook shows signs of improving.

"We've seen some modest increases in coal pricing, but the thought of seeing the completely ill-advised

and unwarranted regulatory attacks from Washington go away gives us every reason to be hopeful about West Virginia's coal industry," Raney said. "We have a lot of miners and workers in supporting businesses who are out of work right now. We look forward to working with the Trump Administration and the 115th Congress to get our folks back to work."

Raney says West Virginia coal production provides vital raw materials for America's manufacturing base and electric grid security. Coal-fired power is the most affordable and reliable baseload material available, he said.

"Worldwide coal demand is projected to grow for at least the next few decades," Raney said. "We look forward to working with Governor-elect Jim Justice and his new administration to capitalize on this opportunity for growth with a renewed focus on coal and energy issues in West Virginia."

Mining school faculty grant application period opens December 1

SME program supports U.S. educators

The Society for Mining, Metallurgy & Exploration (SME) Foundation is pleased to announce the application period for the Ph.D. Fellowship and Academic Career Development Grants will run December 1, 2016 – January 31, 2017. The program was implemented in 2015 to address the long-term sustainability of U.S. mining engineering, mineral processing and extractive metallurgy academic degree programs, and particularly the declining number of senior faculty members teaching those programs.

"The challenges associated with faculty scarcity extend from the

ability of students with industry experience to successfully complete a Ph.D. degree, to newly employed faculty who are facing the difficult process of achieving tenure," said SME Executive Director David L. Kanagy. "The dwindling number of qualified faculty at U.S. mining schools ultimately affects the number of graduates who will constitute the workforce needed to meet the growing global demand for minerals. SME and the SME Foundation have implemented this program to address and remedy the threat to our future workforce."

Large industry supporters of the program include Freeport-McMoRan, Caterpillar Global Mining, R.G. Dewey, Kinross

Gold, Scott McIntosh Fund, Seeley Mudd Fund, Royal Gold, Robert S. Shoemaker & Family. Numerous smaller contributions have been received by many other supporters. Multiple grants ranging from \$60,000 to \$100,000 are awarded annually. The directives of the program are:

Career Development Grant - provides assistant or associate professors with the resources necessary to achieve promotion and tenure.

Ph.D. Fellowship Grant - provides financial support to Ph.D. candidates with industry experience and a desire to pursue an academic career with the means of acquiring a doctoral degree.

For more information, visit www.smenet.org/students/grants-scholarships or email Academicgrants@smenet.org.

The Society for Mining, Metallurgy & Exploration Inc. (SME) is a professional society (nonprofit 501(c)(3) corporation) whose more than 15,000 membership represents all professionals serving the minerals industry in more than 100 countries. SME members include engineers, geologists, metallurgists, educators, students and researchers. SME advances the worldwide mining and underground construction community through information exchange and professional development. SME's staff is located in Englewood, Colorado.

For more information contact Jackie Dorr, Communications Manager, at (303) 948-4244 or dorr@smenet.org.

Coal CEO pressing Trump to speak up for miners' benefits

/ WASHINGTON, Dec 09, 2016 04:10PM ET

WASHINGTON (Reuters) - Coal mining executive Robert Murray, one of Donald Trump's biggest campaign backers, said on Friday he wants the president-elect to support a bill that would protect the health and pension benefits of thousands of coal miners retired from companies that have gone bust.

The outspoken founder of Ohio-based Murray Energy Corp said he has asked Trump, who campaigned on a promise to help the coal industry, to speak out on behalf of the spending bill provision currently tied up in Congress.

"I asked him and Vice President-elect Mike Pence to be involved verbally and in writing," Murray told Reuters in an interview. Murray said he has not yet heard back.

A Trump transition official did not respond to a request for comment.

Murray Energy was among the biggest contributors to Trump's bid for the presidency. Its \$100,000 donation to the Trump Victory PAC was the PAC's largest from a company, according to Trump's fundraising committee's latest filing. Murray also hosted fundraisers for the Republican candidate.

On the campaign trail, Trump won over coal-producing states by promising to revive the sector, put laid-off miners back to work, and scrap regulations that he said are hobbling the industry.

Coal prices have sunk in recent years due to competition from cheap natural gas and rules to combat climate change ushered in by President Barack Obama.

The Senate is now contemplating a spending bill that contains a provision to extend the benefits of retired coal miners whose companies have gone bankrupt until next April, but some coal state Democratic senators are agitating for a longer-term solution and threatening a government shutdown. A group of Republicans, including Senate Majority Leader

Mitch McConnell of Kentucky, are resisting, and the bill is in limbo.

White House spokesman Josh Earnest said Thursday that the Obama administration hopes "there should be bipartisan common ground to address the needs of these 20,000 coal miners who are slated to lose their health insurance at the end of the month."

Dozens of United Mine Worker retired miners have been on Capitol Hill this week holding rallies and visiting lawmakers to urge them to pass a longer-term solution.

UMWA spokesman Phil Smith said the Trump transition team is aware of the issue but has not said anything publicly.

As one of just a handful of U.S. coal companies that has not declared bankruptcy, Murray said his company is struggling to pay into its health and pension funds and "can't compete with those companies that didn't go through bankruptcy proceedings."

Source: investing.com

By Valerie Volcovici

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President-elect Trump Called Governor-elect Justice To Discuss Coal Jobs / CHARLESTON, November 19th 2016

Justice looks forward to working closely with Trump on creating coal jobs and other job opportunities

CHARLESTON, WV— Today, President-elect Donald J. Trump called Governor-elect Jim Justice to congratulate him on his victory, and to discuss how to revive West Virginia's coal industry. The fifteen-minute phone conversation focused primarily on how the two could work together to put coal miners back to work.

The Governor-elect took the call during his Greenbrier East basketball practice. During the conversation, Justice also discussed West Virginia's tourism

and other job possibilities with the President-elect.

"It's an exciting day for West Virginia because we now have a pathway to the White House and a president-elect who is totally committed to putting our coal miners back to work," said Governor-elect Jim Justice. "President-elect Trump made it clear that he won't forget about West Virginia when it comes to our nation's energy policies. I will work closely with the President-elect and his administration on clean coal technology, rolling back the job-killing EPA regulations on coal, and growing West Virginia's other job opportunities."

"President-elect Trump asked Justice to pass along a message to the people of West Virginia: "We are going to get those coal miners back to work."

Justice added, "President-elect Trump and I will work great together to bring new opportunities to West Virginia families. He also shared with me how much he cares about the people of West Virginia. Just as President-elect Donald J. Trump reached out to me, I am reaching out to Democrats and Republicans in the legislature to put aside party politics and pull the rope together to turn this state around."

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NMA Recognizes National Miners Day – December 6th 2016

/ WASHINGTON, D.C

New Polling Underscores the Importance of Mining to American Life

WASHINGTON, D.C. – The National Mining Association (NMA) today recognized National Miners Day, a day established to acknowledge the contributions and sacrifices of our nation's miners.

"What many Americans don't realize is that the mining industry drives our supply chain, bringing affordable energy and essential materials to virtually every home and industry in the U.S.," said Hal Quinn, NMA president and CEO. "From infrastructure to manufacturing, advanced technologies and our national defense system, every aspect of our lives is supported by mining and made possible by American miners. Today we thank this vital yet too often unrecognized group for their extraordinary contributions."

When asked about the importance of mining to their lives, just half of Americans identified mining as

important to their daily lives, according to polling conducted by Morning Consult for NMA on December 1-2, 2016. But when reminded of all the industries and technologies that rely on the essential materials and reliable, affordable electricity made available by mining, that number rises to nearly 80 percent – a 30 percent jump. Seventy three percent of voters went on to say that they are supportive of policies that encourage domestic mining and the use of America's natural resources.

The national poll was conducted with 1,401 registered voters, and includes a margin of error of +/- 3 percent.

Also timed with National Miners Day, and to help raise awareness of the importance of the work undertaken by miners across America, NMA released a new video featuring leaders from across the industry discussing their thoughts on mining's greatest contributions to the American experience.

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DONALD TRUMP WIN SPARKS RENEWED INTEREST IN COAL ETF—FOR NOW



A lump of coal is seen at the Carrie Furnace blast furnaces on September 7, 2016, in Rankin, Pennsylvania. The structures were a part of the Homestead Steel Works operation of United States Steel from 1907 to 1978, and designated a National Historic Landmark in 2006. / AFP / DOMINICK REUTER

The industry, which has been in a long-term decline, could see a rebound off distressed prices

The largest exchange-traded fund to specifically track coal companies has seen a surge in interest this week, following the unexpected presidential victory by Donald Trump, who has promised to “bring back coal 100%.”

The VanEck Vectors Coal ETF KOL, +1.66% has been a strong performer throughout 2016, more than doubling year to date, and it jumped 2.5% on Wednesday, the first trading session following the election. Trading volume on Wednesday neared 1.9 million shares, making for one of the most active days for the fund in its history. About \$14.3 million has flowed into the \$113.6 million fund over the past month, according to FactSet data.

The ETF fell 1% to \$13.73 on Thursday; it traded on volume of about 408,000 shares, well above its 30-day average of almost 250,000 shares.

The recent gains in the fund follow a protracted downtrend for the sector that came as alternative



“THERE’S STILL A LONG-TERM THREAT FROM NATURAL GAS AND SOLAR, BUT THE REAL KILLER TO COAL IS CLIMATE CHANGE REGULATION, AND IF THAT’S EASED, THEN IT WILL BE MORE COMPETITIVE”

sources of energy—including natural gas and clean energies like wind and solar—have both dropped in price and been more widely adopted. Peabody Energy, once one of the largest players in the space, filed for bankruptcy earlier this year.

“There’s still a long-term threat from natural gas and solar, but the real killer to coal is climate change regulation, and if that’s eased, then it will be more competitive,” said Vic Sperandio, who runs the Trader Vic Index, a long-short algorithm that has a commodities focus.

The platform of the Republican Party called for the Clean Power Plan to be done away with altogether, and Trump is widely expected to advocate for other environmental - related deregulation.



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CAN TRUMP MAKE COAL GREAT AGAIN?

HANK HAYES • DEC 5, 2016
Source: Kingsport Times-News

During a rally held back in August, GOP presidential nominee Donald Trump stood on a stage with coal miners sitting behind him holding “Trump Digs Coal” signs.

At that rally held inside the Southwest Virginia Higher Education Center in Abingdon, Va., Trump declared himself to be “the last shot” for coal against Democrat opponent Hillary Clinton.

“The (coal) mines will be gone when (Clinton) gets elected,” Trump warned a standing-room-only crowd.

Trump charged Clinton with backing President Obama’s anti-coal policies including the Environmental Protection Agency’s Clean Power Plan to limit carbon emissions from coal-fired power plants.

Next year, we’ll start finding out how if President-Elect Trump can make coal great again.

The industry has been hit hard by Obama’s so-called “War on Coal” and competition from natural gas. Last spring, a Bureau of Labor Statistics report said the U.S. had lost approximately 191,000 jobs in the mining industry since September 2014.

To replace those jobs in Appalachia, the Obama Administration’s strategy has been to make grant awards going to organizations in coal-impacted communities.

But with Trump at the helm, people like U.S. Rep. Phil Roe are expressing confidence that coal will make a comeback.

“President-Elect Trump promised on the campaign trail to put coal miners back to work, and I believe the Trump Administration will do everything they can to make good on that promise,” Roe, R-Tenn., said in an emailed statement. “As I’ve said time and time again, I support an all-of-the-above energy policy, and I strongly believe that should include our most abundant energy source, coal. I’ve seen firsthand what the Obama Administration’s war on coal has done to coal country, and I stand ready to work with President-Elect Trump to bring good paying jobs back to our region.”

Roe’s Southwest Virginia counterpart, U.S. Rep. Morgan Griffith, agrees.

“I believe that we will be able to restore some of the lost coal jobs during the Trump Administration,” Griffith said in an emailed statement. “Due

AT A GLANCE: SIX WAYS TRUMP COULD SHIFT ENERGY POLICY

- CLEAN POWER PLAN:
DEREGULATION
- PARIS AGREEMENT:
CANCELLING THE UN DEAL
- FEDERAL LANDS:
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to the entrenched bureaucracy, this will not be easy, nor do I think the turnaround will come in the first six months. But as Congress and the new Trump Administration work to bring sanity back to our energy policy, we will see improvement."

Griffith stressed that under the Congressional Review Act (CRA) — an oversight tool that Congress may use to overturn a rule issued by a federal agency — relief will come to businesses and job creators, including those in the coal and coal industry.

"Another vehicle that can be used to stop them is for the new Justice Department to concede the Environmental Protection Agency did not have authority to implement many of their regulations, including the Clean Power Plan," Griffith added. " ... Although the coal industry will not fully recover overnight, one third of the nation's electricity is currently generated from coal, and future electric generation from coal is expected to remain at about 30 percent for Dominion Power and Ameri-

can Electric Power ... I hope the new Trump Administration will prioritize funding for clean coal research, and create parity with other clean energy research."

Virginia Coal and Energy Alliance President Harry Childress is encouraged by Trump's election as well.

"(Trump) verbally has said he supports coal, that he'll do what he can to get coal back on its feet," Childress said. "That's going to take some time, but we feel he'll remove the federal government from playing into the market. We know we have a tough competition from cheap natural gas. We know that some of coal's ups and downs have been market driven, but give us a chance to compete. The federal regulations have put us more at a disadvantage."

Still, electric utilities throughout the country are, by and large, holding firm to previously announced plans to shutter thousands of megawatts of coal-fired capacity in coming years for economic and environmental rea-

sons, according to the American Energy Society (AES).

And while many observers predict a rollback of Obama's environmental policies, rules that define government regulations will take the most time and effort to undo. "Federal agency rules about implementing laws are harder to undo than laws themselves," said AES Member Stuart Shapiro, a public-policy professor at Rutgers University.

But coal producers like Kingsport-based Alpha Natural Resources have optimism.

When issuing the company's 2017 business forecast, ANR CEO David Stetson concluded: "We expect to be here for the long term, committed and steadfast to return our miners home to their families safely every day, to be a careful steward of the environment, a preferred supplier to utilities and steel producers, and a valuable partner to the communities in which we work and live."

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ANNUAL COAL REPORT

Release Date: November 3, 2016 |
Next Release Date: October 26, 2017

The Annual Coal Report (ACR) provides annual data on U.S. coal production, number of mines, productive capacity, recoverable reserves, employment, productivity, consumption, stocks, and prices. All data for 2015 and prior years are final.

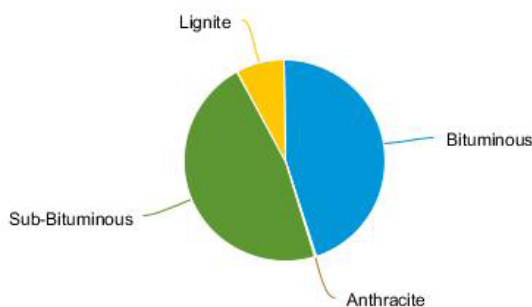
HIGHLIGHTS FOR 2015:

- In 2015, U.S. coal production dropped 10.3% year-over-year to below 900 million short tons, the lowest annual production level since 1986.
- Production in the Western Region, representing 56.6% of total U.S. coal production in 2015, totaled
- In 2015, the productive capacity of U.S. coal mines decreased for the fourth year in a row to 1,165 MMst, a decline of 6.3% from the 2014 levels.
- The average number of employees at U.S. coal mines decreased 12.0% to 65,971 employees, the lowest on record since EIA began collecting data in 1978.
- U.S. coal consumption of 798 MMst in 2015 was 13.1% lower from the 2014 levels. The electric power sector consumed about 92.5% of the total U.S. coal consumption in 2014.
- Average sales price of coal from U.S. mines was \$31.83 per short ton in 2015, 8.6% lower than the prior year.
- Total U.S. coal stocks ended at 238.8 MMst, 20.6% higher than at the same time in 2014. Electric power coal stocks increased from 151.8 MMst at the end of 2014 to 195.9 MMst at the end of 2015, the highest year-ending stocks on record.

For the full ACR please visit <http://www.eia.gov/coal/annual/>

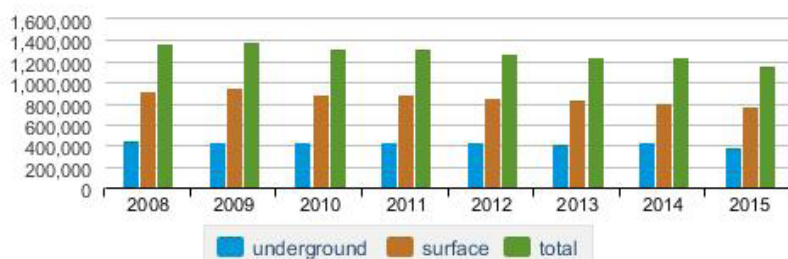
U.S. coal production by rank, 2015

total: 896,941 thousand short tons



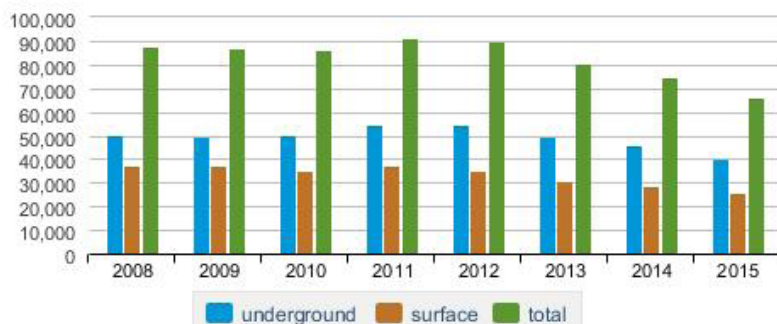
Productive capacity of coal mines by mine type, 2008-15

thousand short tons



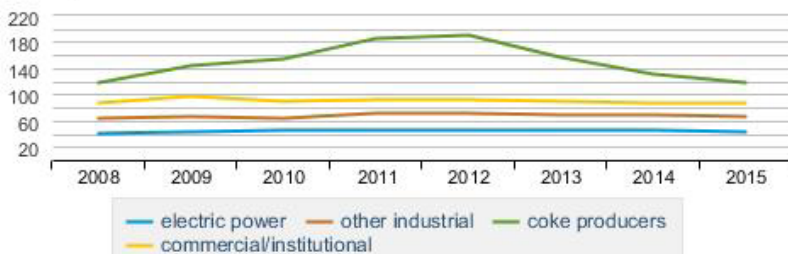
Average number of employees by mine type, 2008-15

employees



Average price of coal delivered to end-use sector, 2008-15

dollars per short ton





World News: **POLAND**

POLAND OFFERS COAL INDIA TECHNOLOGY FOR UNDERGROUND mining up to 1000 meters

Coal India officials are also keen for deeper underground mining as it is losing out on extracting coal

By: PTI | Kolkata | Published: November 30, 2016 4:14 pm

Poland is keen to offer technology to state-run Coal India Ltd for increasing underground mining operations up to 1,000 meters from the current 300 meters.

"We are holding talks with Coal India. We can offer technology and equipment that can go up to 1,000 meters underground and Coal India does underground mining up to 300 meters only," Janusz Urbaniec, member of a Polish delegation member, said here today.

Coal India officials are also keen for deeper underground mining as it is losing out on extracting coal for since existing technology can allow only 300 meters deep, Urbaniec said this on the sidelines of a BCCI-organized session.

11 companies from Cracow Chamber of Commerce and Industry are on a maiden visit to the eastern region engaged in mining, mining equipment, sanitary items, plastic raw materials and tourism sector.



COAL SECTOR LINKS BETWEEN INDIA AND POLAND TO INTENSIFY

An Indian delegation led by India's Coal Secretary, Mr. Anil Swarup, visited Poland for talks in Warsaw and field visits in the coal belt of Poland. In their discussions with coal experts, mining institutes and equipment manufacturing companies, the delegation identified a number of unique technologies which can help further the transformation of India's coal sector. The sides agreed to take forward cooperation in specific areas of technology like coalmine methane extraction and reclamation of mined-out areas. They also agreed to take forward capacity building programmes for Indian coal experts.

The delegation from India included Mr. S. Bhattacharya, Chairman, Coal India Ltd, Mr. Vivek Bharadwaj, Joint Secretary (Coal), and Mr. D.N. Prasad, Adviser in

**"POLAND
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the Ministry of Coal. The delegation had a rich itinerary, including the AGH University in Krakow, the Central Institute of Mining in Katowice and the premises of companies like FAMUR S.A., COPEX S.A. and EXME Berger Group.

Summing of the results of the visit of the delegation, Ambassador Ajay Bisaria, who accompanied the delegation for strategy meetings in Warsaw, said, "Given the synergies in the energy strategies and coal endowments of India and Poland, we see many promising areas of cooperation; Poland and India can become stronger partners in the mining sector. We intend to resolutely take forward strategic cooperation in this important economic area."

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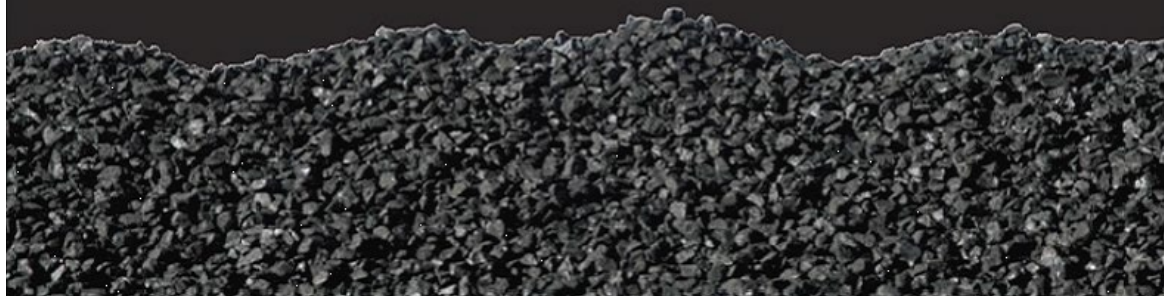


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Member Spotlights



AKJ INDUSTRIES, INC.

Contact: James Marcum
10175 Six Mile Cypress Pkwy Unit 1
Phone: 239-939-1696
Fax: 239-939-2173
Website: www.akjindustries.com
Email: jimm@akjindustries.com
Categories: Chemicals, Dust Control, Liquid Solid Separation, Freeze Protection



PHOENIX PROCESS EQUIPMENT CO.

Contact: John Waugh
2402 Watterson Trail
Phone: 502-499-6198
Fax: 502-499-1079
Website: www.dewater.com
Email: phoenix@dewater.com
Categories: Filters, Dewatering Equipment



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Email: customerservice@stratoinc.com



HOWDEN NORTH AMERICA

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Email: sales@howdenbuffalo.com



FORD STEEL COMPANY

Contact: Phil Cady
PO Box 54
2475 Rock Island Blvd.
St. Louis, MO 63043 USA
Mobile: 314-578-0205
Email: pcady@fordsteel.com
Category: Abrasion Resistant Materials



ASGCO "COMPLETE CONVEYOR SOLUTIONS"

Contact: Aaron Gibbs
301 Gordon Street, Allentown, PA 18102
Phone: 610-821-0216
Fax: 610-778-8991
Website: www.asgco.com
Email: info@asgco.com
Categories: Coal Support Services



PENN LINE SERVICE, INC.

Contact: Don Dillinger
300 Scottdale Avenue, Scottdale, PA 15683
Phone: 724-887-9110
Fax: 724-887-2151
Website: www.pennline.com
Email: don@pennline.com



Contact: Matt Reed
PO Box 308 Ceredo WV 25507
Phone: 304-781-6618
Fax: 304-453-6917
Website: www.traxys.com
Email: matt_reed@traxys.com



HARDSTEEL, INC.

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



SUPERIOR INDUSTRIES

Contact: Corey Poppe
315 East State Hwy 28 PO Box 684
Morris, MN 56089-2406
Phone: 320-585-5644 Fax
Website: www.superior-ind.com
Email: corey.poppe@superior-ind.com
Categories: Fans, Material Handling, Ash Handling Systems



Contact: Mark Fraley
341 White Pond Dr, Akron, OH 44320
Phone: 330-315-6767
Fax: 330-436-1916
Website: www.firstenergycorp.com
Email: fraley@firstenergycorp.com
Categories: Coal Consumers

INDUSTRY EVENTS

NATIONAL COAL TRANSPORTATION ASSOCIATION

FEBRUARY 9, 2017

Western Logistics & Planning
Committee

Meeting Peabody Energy,
St. Louis, Missouri

APRIL 10-12, 2017

Spring General Conference
Loews Ventana Canyon
Resort, Tucson, Arizona

JUNE 12-14, 2017

Operations and
Maintenance Conference
Eldorado Hotel and Spa,
Santa Fe, New Mexico

SEPTEMBER 11-13, 2017

Forty-Third Annual Business
Meeting and General
Conference
Grand Hyatt, Denver,
Colorado

AMERICAN COAL ASH ASSOCIATION

JANUARY 24-25, 2017

Winter Meeting, Hyatt
Regency,
Jacksonville Riverfront

RMEL

JANUARY 19, 2017

Introduction To The Electric
Utility Workshop
Lone Tree, CO

JANUARY 25, 2017

Physical and Cyber Security
Conference,
San Antonio, TX

FEBRUARY 24, 2017

Safety Roundtable
- February 2017,
Westminster, CO

MARCH 1ST, 2017

Power Supply Planning
and Project Conference
Lone Tree, CO

MARCH 8, 2017

Transmission Planning and
Operation Conference
Lone Tree, CO

MARCH 15TH, 2017

Distribution Operation and
Maintenance Conference
and RT
Lone Tree, CO

APRIL 11TH, 2017

Distribution Overhead
and Underground
Design Workshop
Austin, TX

APRIL 19TH, 2017

Safety Conference
Lone Tree, CO

AMERICAN SOCIETY OF MINING AND RECLAMATION

APRIL 9-13, 2017


2017 Joint Conference
Morgantown, WV,
Waterfront Hotel

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