



METALLURGICAL
COAL PRODUCERS ASSOCIATION



**METALLURGICAL COAL'S
CONTINUING VITAL ROLE**



Who We Are



METALLURGICAL COAL PRODUCERS ASSOCIATION

Formerly the Virginia Coal and Energy Alliance is a non-profit organization of metallurgical coal producers and those who support our producing members' operations



EMPHASIS ON METALLURGICAL COAL

The issues related to it and the opportunities Metallurgical coal brings to our region and beyond



ADVOCATES FOR COAL

The MCPA actively advocates and promotes the Metallurgical coal industry in the eastern United States, specifically, in the Central Appalachian region



METALLURGICAL
COAL PRODUCERS ASSOCIATION

Our Members



MCPA FOUNDING MEMBERS

Alpha Metallurgical Resources (formerly Contura Energy, Inc.), Coronado Coal LLC, United Coal Company (a subsidiary of Metinvest Group), & RAMACO Resources, Inc.

Workforce:

35
Coal Mines

5,300+
Employees

\$86,335
Average Salary

MCPA Coal Facts



22.7 MILLION TONS

22.7 million tons of metallurgical coal produced by MCPA members in 2020



40 PERCENT

Represents 40 percent of total U.S. metallurgical coal production



13.1 MILLION TONS

13.1 million tons of metallurgical coal are produced in West Virginia



8.6 MILLION TONS

8.6 million tons of metallurgical coal are produced in Virginia





Think Steel!

WHEN YOU THINK OF METALLURGICAL COAL, THINK STEEL!



Metallurgical coal, also known as coking coal, is used to make steel - a primary component in the process of making steel.



Varying qualities of Metallurgical coal

- Volatile percentage from high vol to low vol
- Expansion and chemistry characteristics



Steel is a universal building material due to its strength, durability, versatility and affordability



METALLURGICAL
COAL PRODUCERS ASSOCIATION

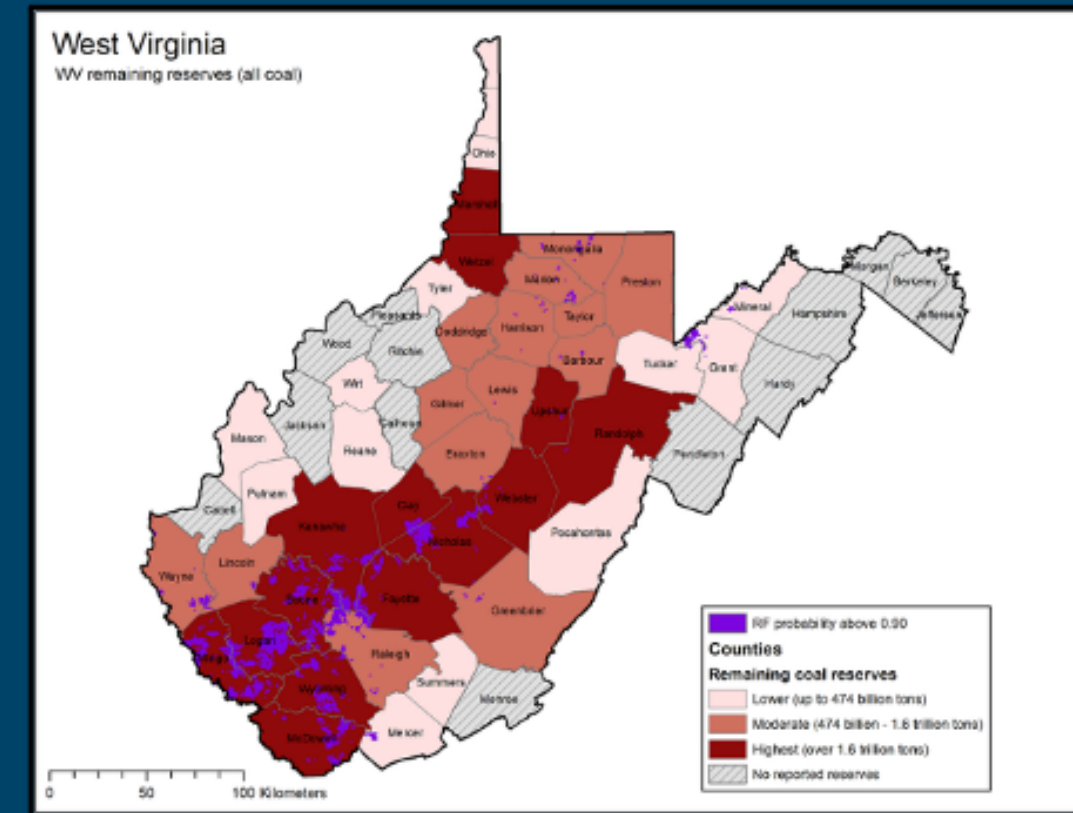
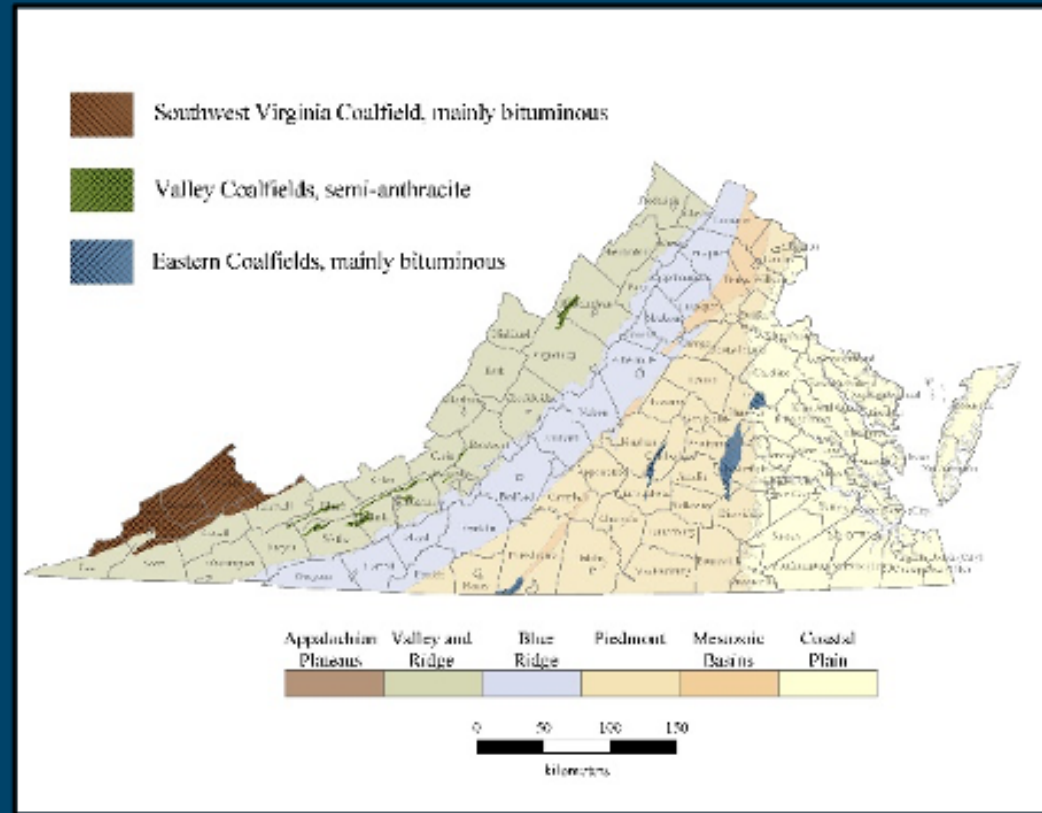
Steel is essential to everyday life – cars, buildings, ships, bridges, houses, fridges, and medical equipment are all made of steel -- It is an indispensable material in almost every product we use today.

- ❖ National Defense
- ❖ Bridges
- ❖ Automobiles
- ❖ Utility Poles
- ❖ Cell Phone Towers
- ❖ Medical Equipment
- ❖ Kitchen Appliances

Common Uses for Metallurgical Coal



Where are Coal Deposits in VA & WV?



APPALACHIAN BASIN

Most Metallurgical coal produced in the U.S. is found in the Appalachian Basin






VIRGINIA

Metallurgical coal is found primarily in the Southwestern part of Virginia, which is where all current coal mining is ongoing and has remaining abundant resources

WEST VIRGINIA

Metallurgical coal is found primarily in the south extending north to the central portion of the state. West Virginia also holds rich metallurgical coal reserves.

Food Supply

-  In addition to the farmer, thank a coal miner
-  The machines and equipment to grow, preserve, store and prepare food are made with steel
-  From agricultural machinery to refrigerators, knives to delivery trucks -- each step of food growth and preparation requires steel
-  Steel cans have enabled preservative-free, long-term storage of food
-  Around 200 billion steel cans for food are produced each year -- many from recycled steel



Infrastructure



Metallurgical coal makes the modern standard of living possible.



Buildings used for manufacturing or centers of commerce are made with steel.



Bridges and Roads are not possible without steel.



Metallurgical coal will play a major role as our nation and the world focuses on critical upgrades to our infrastructure.

Think Steel!

Transportation



Steel is a vital material for transport systems – cars, trains, and ships all utilize steel -- and consequently Met coal -- in their fabrication



The safety of modern cars is provided by an internal ‘cage’ from steel



The automobile industry helps to push innovation in the steel industry with demand for emissions reductions, stringent safety standards, and affordability



Ships are mainly constructed from hot rolled steel plates which are then cut to size for particular parts of the ship such as the hull, the internal framing of holds and rooms, decks, chimneys, and superstructure



Think Steel!

Communication



Modern communication systems are vital for involvement in the global economy



Steel towers and masts provide hubs for mobile communications and broadcasting antenna and are among the tallest man-made structures



Metallurgical Coal made it possible to make the steel used to build these towers

Think Steel!



Think Steel!

Water Processes



Steel – and consequently coal -- is involved in the entire process of water collection, purification, and delivery



From large infrastructure projects, such as dams, to smaller water tank reservoirs, from pipelines to pumps to stainless steel taps, steel is the fundamental construction material for both potable water and sanitation – providing essential health benefits



In addition to making the steel for these projects, coal also provides an assist in a variety of purification processes

Other Uses of Coal



Thousands of different products have coal or coal by-products as components: soap, aspirins, solvents, dyes, plastics, and fibers, such as rayon and nylon



Coal is also an essential ingredient in the production of specialty products like activated carbon - used in filters for water and air purification and in kidney dialysis machines; Carbon fiber - an extremely strong, but light-weight reinforcement material used in construction, mountain bikes and tennis rackets; and silicon metal - used to produce silicones - which are in turn used to make lubricants, water repellents, resins, cosmetics, hair shampoos and toothpastes



Economic Impact



One coal job creates six other related industry jobs



Additional employment is found in other support sectors



In Virginia and in West Virginia, coal makes significant, ongoing contributions to the improvement of roads, water and sewer systems through the severance taxes industry pay



Taxes paid by the coal industry significantly support local schools.

Economic Impact



In Virginia, 2,871 miners were employed in 2019, working in 171 mines



Production in Virginia was at 12.03 million tons, 6.7 million tons of which were produced in Buchanan County, the largest coal-producing county in Virginia



In West Virginia, 14,444 miners were employed in 2019, working in 135 mines

	VA	WV
Production Wages:	\$166.33 million	\$1.28 billion

A photograph of several coal miners wearing hard hats and safety glasses, looking towards the camera. The image is overlaid with a dark blue semi-transparent rectangle containing white text. The background is a blurred image of the miners.

Coal Remains the Backbone of the Economy

Coal provides employment for 53,583 miners nationally

Coal provides America's railroads with more traffic and revenue than any other commodity

Coal impacts the shipping business in Virginia -- the port of Hampton Roads serves as an important export facility for coal to overseas ports from Virginia and is the biggest coal exporter in the nation

West Virginia utilizes both barge and rail transport system to get coal to markets

Top Export Locations for Metallurgical Coal

2019

1. Brazil
2. Japan
3. Europe
4. India
5. China

Metallurgical coal from Central Appalachia is exported to steel companies around the world.



Environmental Sustainability



Reclamation is important to our producers who develop and implement detailed reclamation plans



Land has been restored to its original use, or through planting of special seed mixes, has been turned into habitat areas for wildlife



Acknowledgement that water is a valuable resource in which our members carefully manage quality, availability, and sustainability



Post-mine land use has transformed former coal mines into other uses, such as roads, schools, airports, and other community facilities.

Renewable Energy



Wind turbines are predominantly made of steel according to the National Renewable Energy Laboratory



The construction of a 60-meter wind turbine requires about 100 tons of steel to make, according to the World Coal Institute



Steel is critical in the energy sector – it is used for fuel exploration, production, electricity generation, and in-supply infrastructure, including transmission and distribution. Mines offshore platforms, thermal and nuclear power plants, hydroelectric dams and power plants and renewable energy systems are all dependent on steel

Contact



METALLURGICAL
COAL PRODUCERS ASSOCIATION

MAILING ADDRESS

PO Box 2778 | 1073 Riverview Street | Grundy VA 24614

PRESIDENT

Ben Beakes

Charleston, WV

ben@metcoalproducers.com

Phone: (304) 993-8917

EXEC. DIR. OF EDUCATION & OUTREACH

Barbara Altizer

Grundy, VA

barb@metcoalproducers.com

(423) 549-5048



METALLURGICAL

COAL PRODUCERS ASSOCIATION