

## Making Coal Cool



Randy Atkins, Chairman & CEO, Ramaco Resources, Presents Keynote Address

Randall W. Atkins, Chairman & CEO, Ramaco Resources provided a Keynote Address to the Bluefield Coal Symposium held at the Chuck Mathena Center in Princeton, August 12-14 presented by the Chamber of Commerce of the Two Virginias and CoalZoom.com. The event is chaired by Bill Reid, managing Editor of CoalZoom.

Atkins explained that over the past 10 years, the U.S. coal industry has seen an over 50% drop in the workforce, a 40% drop in coal production, and more coal is being sold overseas (see presentation [here](#)). Both industry and the U.S. government are seeking long-term solutions to the strategic and socio-economic issues caused by the coal industry's decline.

Since 2013, Ramaco has embarked on a technology-based approach to fundamentally change how we perceive and use coal. The Ramaco motto is "Coal is too valuable to burn" and its mission is Create a "Cure for Coal".

AI needs so much power that old coal plants are sticking around and the booming AI demand is threatening global electricity demand. Carbon from coal replaces petroleum and a new carbon age will lower the cost of manufactured carbon products.

Atkins outlined the Ramaco focus on six broad critical material uses:

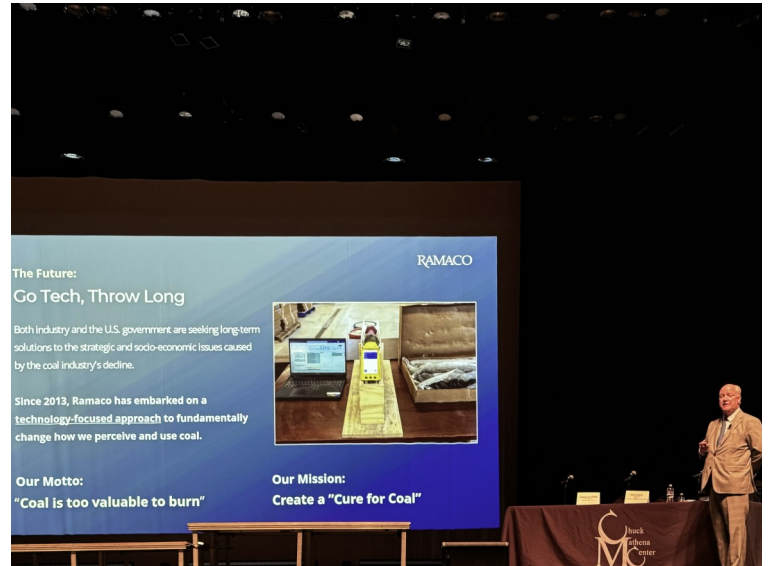
- Met coal
- Rare earth elements (REE)
- Critical minerals – Gallium and Germanium
- Synthetic graphite
- Carbon fibers
- Advanced porous carbons

The emphasis is on technology that creates both a high margin value proposition and requires high volumes of coal. Of particular note is synthetic graphite which is a critical material for lithium batteries.

The coal industry is not going away but the industry must innovate to transition to higher value uses. The U.S. has both the world's largest coal resource and the highest technical prowess to reinvent the coal industry. Ramaco, with its capable partners, is attempting to create the first coal-based vertical "carbon critical mineral technology" platform. Coal or "Carbon Ore" can have a stronger, even environmentally orientated, future. We just need to use the technology to unlock the potential!



*Atkins Talks on Making Coal Cool*



*Coal is Too Valuable to Burn, Says Atkins*