

## A next-generation socially responsible supplier of raw materials to the infrastructure and electrification marketplace

The Company is focused on the extraction and processing of metallurgical carbon, an essential ingredient used in steelmaking, critical and rare earth minerals for the electrification market, and reprocessed metal to be recycled. American Resources has a growing portfolio of operations located in Kentucky, Indiana and West Virginia where premium quality metallurgical carbon and rare earth mineral deposits are concentrated.

American Resources Corporation was founded by innovators with over 16 years of experience innovating and disrupting a legacy industry to change how it operates and the products it monetizes. We have acquired over \$500 million of legacy assets through nine acquisitions and have transformed them for modern day uses in the infrastructure and electrification market while providing new jobs to transitioning communities.



**COST  
EFFICIENT**



**SUPPLY  
RELIABILITY**



**ENVIRONMENTAL**



**SOCIAL**

### COMPANY SNAPSHOT

Ticker: AREC (NASDAQ)  
Shares Outstanding: ~62 Million  
Price: \$2.25 (as of 1/12/2022)  
Market Cap: ~\$140 Million  
30 Day AVG Daily Vol: 1.5 Million  
Insider Ownership: 30%  
*Intelligently Capitalized Balance Sheet*



## AMERICAN CARBON

**American Carbon LLC is the highest growth platforms supplying high-quality metallurgical carbon to the global infrastructure marketplace.**

Metallurgical carbon is an essential ingredient in the steelmaking process as its carbon content is forged with iron ore to create new steel and other alloy metals. Through its acquisitions, American Resources has restructured five processing and logistic complexes to eliminate legacy costs and liabilities and create a low-cost, streamlined and nimble business model.

### CARBON QUALITIES

High Volatile Met Carbon, PCI Carbon, Specialty Alloy Metal Carbon, Industrial Stoker Carbon

### DIFFERENTIATING FACTORS

American Carbon has been a disruptor and innovator in bringing a more modern-day approach to the carbon mining industry. Its restructuring efforts has created a platform with abundant organic growth with extremely low capex relative to its legacy peers while also focusing of environmental stewardship and creating long-term sustainable jobs. Through its environmental efforts, we have restored over 7,000 acres of irrational thermal coal land representing over \$20 million worth of liabilities.

**Asset Base Able to Scale Revenue over 30% year-over-year**

## AMERICAN METALS

**American Metals LLC is an aggregator and processor of used metals to be recycled into new steel products.**

Our operations are centrally located in the heart of coal country where an abundance of used metal reserves reside from shut down thermal coal mines. The Company is leveraging its regional low-cost logistics infrastructure and environmental efforts to expand its aggregation network to feed the rapidly expanding used steel market.



AMERICAN  
RARE EARTH



**American Rare Earth LLC is one of the largest developers of critical and rare earth elements ("REE") in the United States.**

American Rare Earth has developed real solutions in conjunction with its corporate partners as well as sponsored research partnerships with three leading universities to bring innovative technologies to the domestic commercial market and to bring an economically viable and environmentally safe process chain onshore in order to get out from under the dependency of China for the refining of these increasingly important raw materials. Through its innovation and partnerships, American Rare Earth is focusing on redefining how critical and REE are both sourced and processed throughout the world while focusing on the circular economy of recycling existing permanent magnets and battery metals using ligand assisted displacement (LAD) chromatography; a proven and commercial process and technology; and through capturing REE from carbon-based waste streams and byproducts. Through its initiatives, American Rare Earth will be the first to produce isolated and purified (99.5%) magnet and battery metals through recycling end-of-life products using the most environmentally safe methods ever developed. Their methods enable American Rare Earth to recover all of the inherent high-value material at very high yields, and allow them to help address U.S. supply chain and sustainability challenges.

### ELEMENT FOCUS

Neodymium (Nd), Praseodymium (Pr), Dysprosium (Dy), Cobalt (Co), Nickel (Ni), Lithium (Li) and Manganese (Mn)

### SUPPLY CHAIN

The reliance on foreign sources in the electrification, technology and defense supply chains leaves an unavoidable gap in the expansion of the domestic market. We are expanding our vast technology base and have access to the financial resources needed to develop a sustainable and closed-loop supply chain to bring the capabilities back to the domestic market.