



## Appendix V - Public Summary – Wyoming Rare Earths Project

**Company:** Peabody Energy Corporation

**Project Title:** Wyoming Rare Earths

### Project Overview

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Peabody, in collaboration with the Wyoming Innovation Center and technology partners, propose a transformative initiative to establish a secure, domestic supply of rare earth elements from unconventional sources within Peabody’s Powder River Basin operations. Leveraging Peabody’s unmatched asset base, production profile, extensive mining infrastructure and operational expertise, this project will extract rare earth elements from coal byproducts - reducing U.S. reliance on foreign supply chains and strengthening national security.

Peabody’s Powder River Basin operations span 90,000 acres, operate year-round, and hold all necessary permits. In 2024, Peabody was one of the largest mineral taxpayers in the state, contributing \$768 million, and currently employs 1,392 individuals in Wyoming, underscoring its vital role in the state’s economy and workforce.

To accelerate this effort, we seek \$7.5 million in Wyoming Energy Matching Funds to support the design, construction, and operation of a pilot facility capable of producing approximately 30 tons per year of market-ready mixed rare earth concentrate.

### Public Benefit

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- **Economic Diversification & Jobs:** Create skilled jobs during construction and operations, prioritizing Wyoming residents and transitioning energy-sector workers.
- **State Revenue & Industry Growth:** Catalyze a new critical-minerals industry, generating royalties, taxes, and attracting private investment.
- **Community Engagement:** Maintain transparency through public meetings, stakeholder briefings, and a dedicated project information portal.
- **Environmental Stewardship:** Utilize existing mine footprints to minimize land disturbance, optimize the social license to operate and ensure compliance with air, water, and waste regulations.

### Strategic Impact

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The pilot facility is of critical importance to validate a scalable process for rare earth element extraction from coal byproducts, positioning Wyoming as a national leader in critical mineral production. Rare earth elements are essential for defense systems, renewable energy technologies, and advanced manufacturing. The project will deliver certified rare earth element concentrate, a comprehensive techno-economic analysis, and a scale-up plan for commercial deployment. This initiative strengthens U.S supply chain resilience, supports Wyoming’s energy strategy, and creates high-quality jobs while leveraging existing infrastructure. It represents a transformative step toward securing critical resources for America’s national security and technological and economic future.