Project: FY21-XCV-236

Title: Williston Basin CORE-CM Initiative

Submitted By: Energy & Environmental Research Center (EERC)

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Purpose: The EERC is proposing to lead a team of nearly 30 members focused on producing rare-earth elements (REEs), critical minerals (CMs), and nonfuel carbon-based products (CBPs) from Williston Basin coals. The EERC has received word of award from the DOE, providing a strong leveraging of NDIC project funding. The goal of the Williston Basin CORE-CM Initiative is to lay the foundation for new industry, as well as drive the expansion and transformation of the existing coal and coal-based resources industry in the Williston Basin to produce REEs, CMs, and CBPs. The initial phase that is currently proposed, is focused on gathering and assessing the existing available data for REEs, CMs, and CBPs in the Williston Basin, identifying data gaps that need to be filled, and developing the strategies necessary to move forward with demonstrations along the entire supply chain.

Duration: 20 months

Participants & Cost Share:

- DOE Share: $1,435,000 (Cash)
- DOE Share direct to Pacific NW National Lab: $65,000
- North American Coal: $75,000 (Cost Share)
- BNI Energy: $75,000 (Cost Share)
- Minnkota Power Coop: $25,000
- Basin Electric Power Coop: $25,000
- NDIC: $750,000
- Total: $2,450,000

Project Deliverables: Status Report