

Great Plains and Interior Highlands CORE-CM Project Summary for Public Release

University of Wyoming

School of Energy Resources 3077-1511

Name of Applicant: School of Energy Resources (SER) at the University of Wyoming (UW)

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Co-Principal Investigators: Mr. Davin Bagdonas (UW-SER), Ms. Selena Gerace (UW-SER), and Dr. Dave Aadland (University of Wyoming Center for Business and Economic Analysis).

Project Title: “Great Plains and Interior Highlands CORE-CM: Developing a Nexus of Carbon Ore & Critical Mineral Resources, Technology Innovation, and Communities of the Future”

Overall Project Objective: This project will address CORE-CM Initiative goals of catalyzing regional economic growth and resource security by developing domestic supply chains that use unconventional and secondary critical mineral resources. This project will assess the Great Plains and Interior Highlands, which consists of ten states and four basins first studied as part of the CORE-CM Phase I program.

Major Project Participants: The UW will lead the project coalition of University of North Dakota Energy & Environmental Research Center, Kansas Geological Survey, Colorado School of Mines, Pennsylvania State University, Oklahoma Geological Survey, South Dakota School of Mines & Technology, University of Texas at Austin, Los Alamos National Laboratory, and Battelle.

Project Methods: The team will complete assessments, gap analyses, and strategic planning to meet CORE-CM initiatives including: (1) Regional Resource Assessments, (2) Regional CORE-CM Resources, Sampling, and Characterization, (3) Regional Overview for Infrastructure, Industries, and Business, Including Site Strategies, (4) Stakeholder Outreach and Education, (5) Technology Innovation Center Plans, (6) Participation in DOE-led CORE-CM Working Groups, and (7) Contribute to DOE’s Critical Minerals Collaborative and DOE Cross-Cutting Efforts.

Project Outcomes: The project team and supporting stakeholder coalition will develop, document, and initiate plans toward developing a nexus of CORE-CM Resources, Technology Innovation Centers, and Communities of the Future within the Great Plains and Interior Highlands of the United States. This effort will contribute to the meaningful development of diverse domestic critical mineral supply chains.