

Portfolio Discussion Preferences

The Workshop agenda will include an overview of the Coal Center of Excellence's six portfolio areas and NETL's related research and capabilities. As part of the Workshop, attendees will have an opportunity to provide input into these portfolio areas, including industry needs, technical challenges, emerging opportunities, research priorities, and potential areas for collaboration with NETL.

To help us plan these discussions and make the best use of your time on site, please rank the portfolio areas below based on where your experience, interests, or perspective would be most relevant.

Mining & Processing

Focused on the future of coal mining and processing, including industry needs and opportunities related to automation, robotics, advanced sensing, AI, resource recovery, critical minerals, safety, productivity, and improved mining operations.

Coal & Waste Gas to Products

Focused on opportunities to create new value from coal and coal-related waste gas through graphite, advanced carbon materials, building products, battery materials, fuels, chemicals, and other emerging products and markets.

Gasification

Focused on opportunities to advance technologies that convert coal and other feedstocks into power, fuels, chemicals, and other valuable products, including challenges associated with scale-up, demonstration, and commercial deployment.

Coal Power

Focused on industry needs and opportunities to improve the performance and value of planned and existing coal assets through reliability, flexibility, efficiency, advanced controls, sensing, predictive maintenance, digital engineering, life extension, and modernization.

Gas Separation Center

Focused on industry needs for testing, validation, and scale-up of gas-separation technologies, including membranes, sorbents, carbon capture, gas purification, durability testing, and other capabilities that can help move technologies toward deployment.

Data Centers & Digital Engineering

Focused on the intersection of energy and digital technology, including AI, digital twins, modeling, automation, and advanced computing, as well as the opportunities and challenges created by rapidly growing data-center power demand.