EXPANDING THE U.S. COAL VALUE CHAIN

Expanding markets for coal and promoting manufacturing of high-value carbon products

EXTRACTING THE FULL VALUE OF COAL RESOURCES

Coal Beneficiation at NETL focuses **HIGH-VALUE** on both enhancing the value of coal as a feedstock and developing new, high-value products derived from coal. **COAL PREP PLANT COKING PROCESS COAL MINE COAL POWER PLANTS**

CONTACTS

HQ PROGRAM MANAGER **REGIS CONRAD**

TECHNOLOGY MANAGER **JOHN ROCKEY**

TECHNICAL PORTFOLIO LEAD **CHRISTOPHER MATRANGA**

GROWING COAL MARKETS & THE VALUE CHAIN

COAL BENEFICIATION HAS THREE PRIMARY R&D AREAS:



COAL TO CARBON PRODUCTS

Produces cost-competitive, high-value carbon fibers and nanomaterials for structural materials, 3D printing materials, energy storage and electrode materials, carbon composites, and other non-traditional materials.



FEEDSTOCK UPGRADING

Expands markets for power generation and steelmaking with new coal cleaning, treatment, and processing technologies.



COAL PROPERTIES DATABASE

Enables coal suppliers and power plant operators to estimate the economic impacts of coal properties and compositions on the efficiency, reliability, and emissions of both existing and new power-generation facilities.

SPURRING INNOVATION









