

**Market
Assessment & Strategy**

**Technology
Development**

**Technology
Demonstration**

Commercialization

**Alternative Fuels
(e.g., Biofuels,
Fischer Tropsch
Liquids) Market
Studies and Logistics
Analysis**

**Integrated Gasification
Combined Cycle (IGCC)
Design, Market Studies
and technology
Alignment**

**National Renewal Energy
Labs (NREL) Technology
Deployment Management**

**Coal and Gas-to-
Liquids**

**Bio-Refinery
Development**

**Syngas Clean-Up Technology
Development**

**Post Combustion
CO2 Capture Power
Plant Retrofit**

**Advanced
Technology Due
Diligences**

**Solar Thermal
Power Generation**

Zero Emission Coal Plants

**INEEL Strategic
R&D Planning**

**National Energy Technology Labs (NETL) On-Site
Contractor Supports**

**Regional Biomass Project
Technical Due Diligence**

**Regional Carbon Capture &
Sequestration Partnerships**

Life Cycle Analysis

**Natural Gas Mega Plant
Infrastructure Master Plan**

**2nd and 3rd Generation
Biofuels Technical
Feasibility**

**Fuel Cell Bus
Demonstration**

**Integrated Coal
Gasification/Solid
Oxide Fuel Cell
Power Plant**

**Molten Carbonate Fuel
Cell Demonstration**

**Hydrogen Infrastructure
Development**