CRYOGENIC CARBON CAPTURE
ARPA-E Project DE-AR0000101

Energy Efficiency and Constructability
- CCC facilitates coal as a clean, viable energy resource
- CCC is retrofitable to existing power plants
- CCC is the most energy efficient carbon capture technology
- CCC removes critical, regulated pollutants

Project Partners: American Air Liquide, GE Global Research, Brigham Young University

World Energy Projections

Energy Cost

Parasitic Load

Specific TPC ($/kW)

Energy Consumption (quadrillion BTU)

World Primary Energy Consumption

World Primary Energy Consumption by Fuel Type

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Compressed Flue Gas (CFG) Process

External Cooling Loop (ECL) Process

CO₂ Capture

SO₂ Capture

Hg & Air Toxics Capture