



NETL ENERGY ANALYSIS PUBLICATIONS

Natural Gas Combined Cycle Carbon Capture Retrofit Database - March 2023

ENERGY ANALYSIS

NETL conducts a variety of energy analyses to identify and evaluate promising research and development (R&D) opportunities in order to provide balanced solutions in support of economic sustainability, energy supply security, mitigation of global climate change, and improved environmental performance.

NETL-conducted studies require a multi-disciplinary approach to the assessment of large, complex energy systems encompassing energy production, distribution, and use. Strategic assessments and planning efforts also incorporate the evaluation of current status, near-term trends, and futuristic scenarios.

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Title/Date	Product Description	Document Link
Natural Gas Combined Cycle Carbon Capture Retrofit Database - March 2023–03/16/2023	This tool provides high-level analysis on the incremental costs for retrofitting natural gas combined cycle plants with carbon dioxide capture and/or compression systems. Options are available to include costs of other technological improvements that would be required to comply with various environmental regulations when installing carbon capture technology. This model is based on the NETL report "Cost and Performance of Retrofitting NGCC Units for Carbon Capture" (2023).	Download