

The National Energy Technology Laboratory is seeking a postdoctoral researcher with experience in polymer synthesis and characterization for a project addressing the capture of CO<sub>2</sub> from power generation.

Carbon dioxide emissions from energy production makeup approximately 80 percent of total greenhouse gas emissions. Replacement of the fossil fuels responsible for those emissions with renewable energy sources is certainly desirable but may not be achievable in the short term. Capture and subsequent geologic sequestration of CO<sub>2</sub> provide a more immediate means of limiting potential climate change. The postdoctoral researcher will contribute to CO<sub>2</sub> capture research by participating in a dynamic research group developing membranes, solvents and solid sorbents capable of selectively separating CO<sub>2</sub> from power generation exhaust and process streams.

The successful candidate will have a Ph.D. in chemistry and experience in polymer synthesis and characterization techniques such as TGA, DSC, SEM, GPC, NMR, and DMA.

The position is located at NETL's Pittsburgh, Pennsylvania facility. The initial appointment is one year with the potential for renewal based on performance.

Interested applicants should send a resume to Dr. David Luebke, [David.Luebke@netl.doe.gov](mailto:David.Luebke@netl.doe.gov).

Additional information on NETL:

The National Energy Technology Laboratory (NETL), part of DOE's national laboratory system, is owned and operated by the U.S. Department of Energy (DOE). NETL supports DOE's mission to advance the national, economic, and energy security of the United States.

NETL implements a broad spectrum of energy and environmental research and development (R&D) programs that will return benefits for generations to come:

Enabling domestic coal, natural gas, and oil to economically power our Nation's homes, industries, businesses, and transportation ...

While protecting our environment and enhancing our energy independence.

NETL has expertise in coal, natural gas, and oil technologies, contract and project management, analysis of energy systems, and international energy issues.

In addition to research conducted onsite, NETL's project portfolio includes R&D conducted through partnerships, cooperative research and development agreements, financial assistance, and contractual arrangements with universities and the private sector. Together, these efforts focus a wealth of scientific and engineering talent on creating commercially viable solutions to national energy and environmental problems.