NETL DEVELOPS PIPELINE ROUTE PLANNING DATABASE TO GUIDE CARBON DIOXIDE TRANSPORT DECISIONS

The Pipeline Route Planning Database guides decisions on safely transporting carbon dioxide (CO₂) from capture sources to underground storage sites and conversion facilities.

Strategically planning safe and sustainable routes for transporting CO₂ is a critical priority in achieving a greenhouse gas-neutral economy by 2050.

- Planning infrastructure for CO₂ transport depends on evaluating a variety of regulatory, topographic, and potential risk variables.
- NETL has developed tools to facilitate and optimize a robust, national-scale CO₂ transportation infrastructure.
- The new database provides a curated compilation of critical decision factors, such as slope, public and energy infrastructure that provide planners with information about areas that are favorable for transportation routes.