

Liftoff Opportunities Snapshot: Carbon Management

Carbon Management can potentially help eliminate hundreds of millions of tonnes of carbon dioxide (CO₂) per year.



U.S. energy transition goals require capturing and storing **400 to 1,800 million tonnes of CO₂ annually by 2050.**

This scale-up represents an investment opportunity of **up to \$100 billion by 2030** and **\$600 billion by 2050.**

With more than **20 million tonnes per annum (MTPA) of carbon capture capacity**, the United States is already leading the world in carbon management and is the most attractive market for investment in carbon management given its:

Talented and capable workforce

Favorable geologic resources

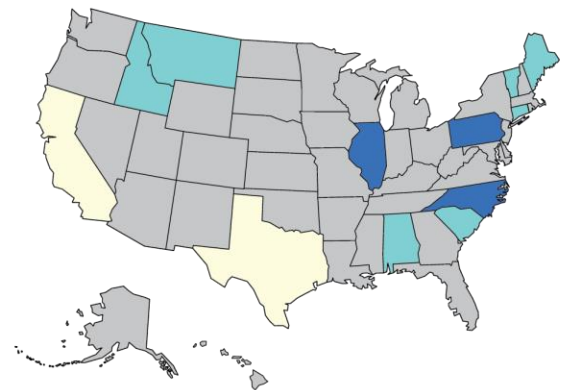
Existing, world-leading deployment

Stable policy support in the form of the 45Q tax credit

Specialization in Alternative Electric Power Subcluster by State, 2021

- High Employment Specialization and Share
- High Employment Specialization
- High Employment Share

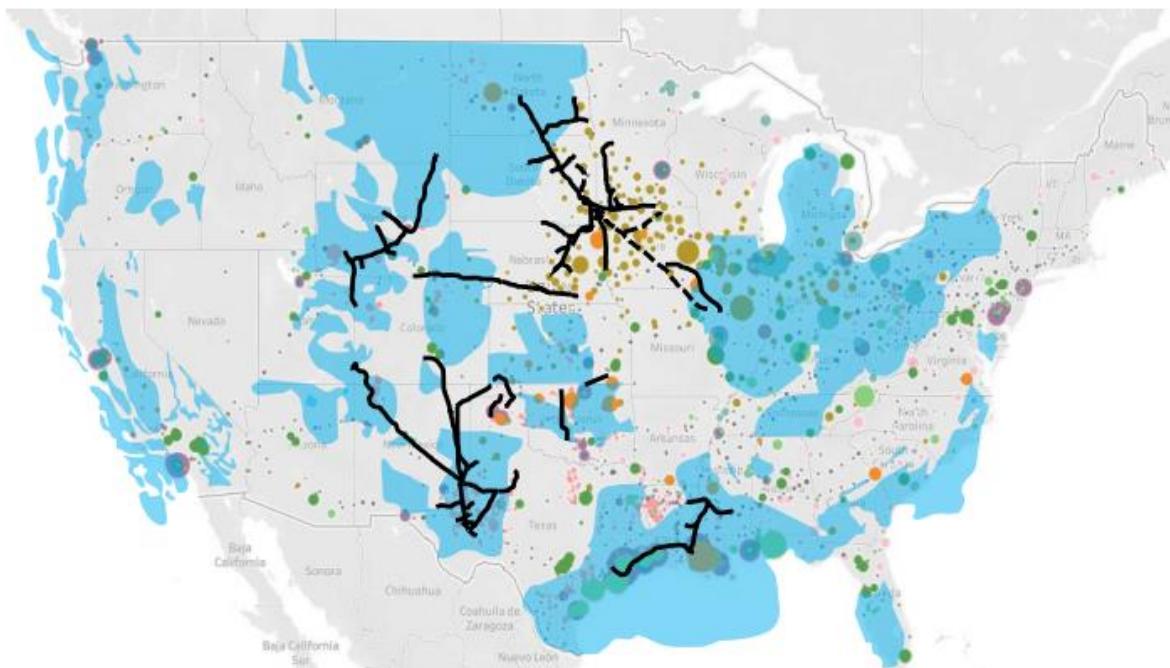
Source: <https://clustermapping.us/>



Carbon Management is experiencing a once-in-a-generation opportunity given the current policy and market environment. The 45Q tax credit provides certainty and attractive project economics for several project types. Funding for commercial demonstration and deployment projects in the Bipartisan Infrastructure Law and the Inflation Reduction Act can spur carbon management projects in industries in which project economics would otherwise still be challenging.

Map of U.S. point source CO₂ emissions by sector, 2019

○ 2 MTPA ○ 8 MTPA ■ Saline Aquifers - - - CO₂ proposed pipeline² — CO₂ existing pipeline



North America has significant CO₂ geologic storage resources, and a substantial number of U.S. industrial point source emissions are within 50 miles of CO₂ transport to saline aquifers.

The information in this flyer is based on the [Pathways to Commercial Liftoff: Carbon Management](#) report.