SELECTUSA

Liftoff Opportunities Snapshot:

Industrial Decarbonization

The emissions from eight industrial sectors—chemicals, refining, iron & steel, food & beverage processing, pulp & paper, cement, aluminum, and glass—accounted for 14% of U.S. emissions in 2021.

By 2030, **up to 40%** of emissions across these eight sectors can be abated through the implementation of industrial decarbonization levers.

This pathway to reach net zero by 2050 could require **at least $700 – $1,100 billion of capital expenditure**.

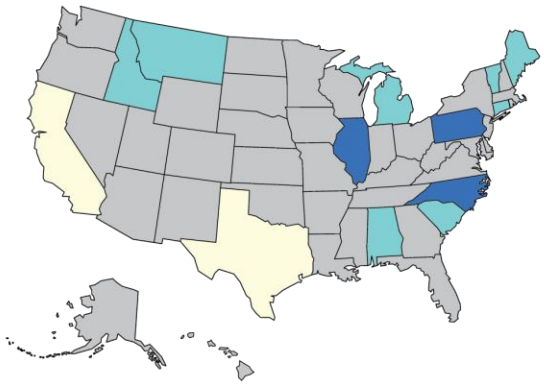
These carbon-intensive industrial sectors are facing a critical inflection point due to:

- Congressional support from the Bipartisan Infrastructure Law and the Inflation Reduction Act
- Customers and other stakeholders increasingly expect companies to address climate change.
- Some companies making bold decarbonization moves.

Specialization in Alternative Electric Power Subcluster by State, 2021

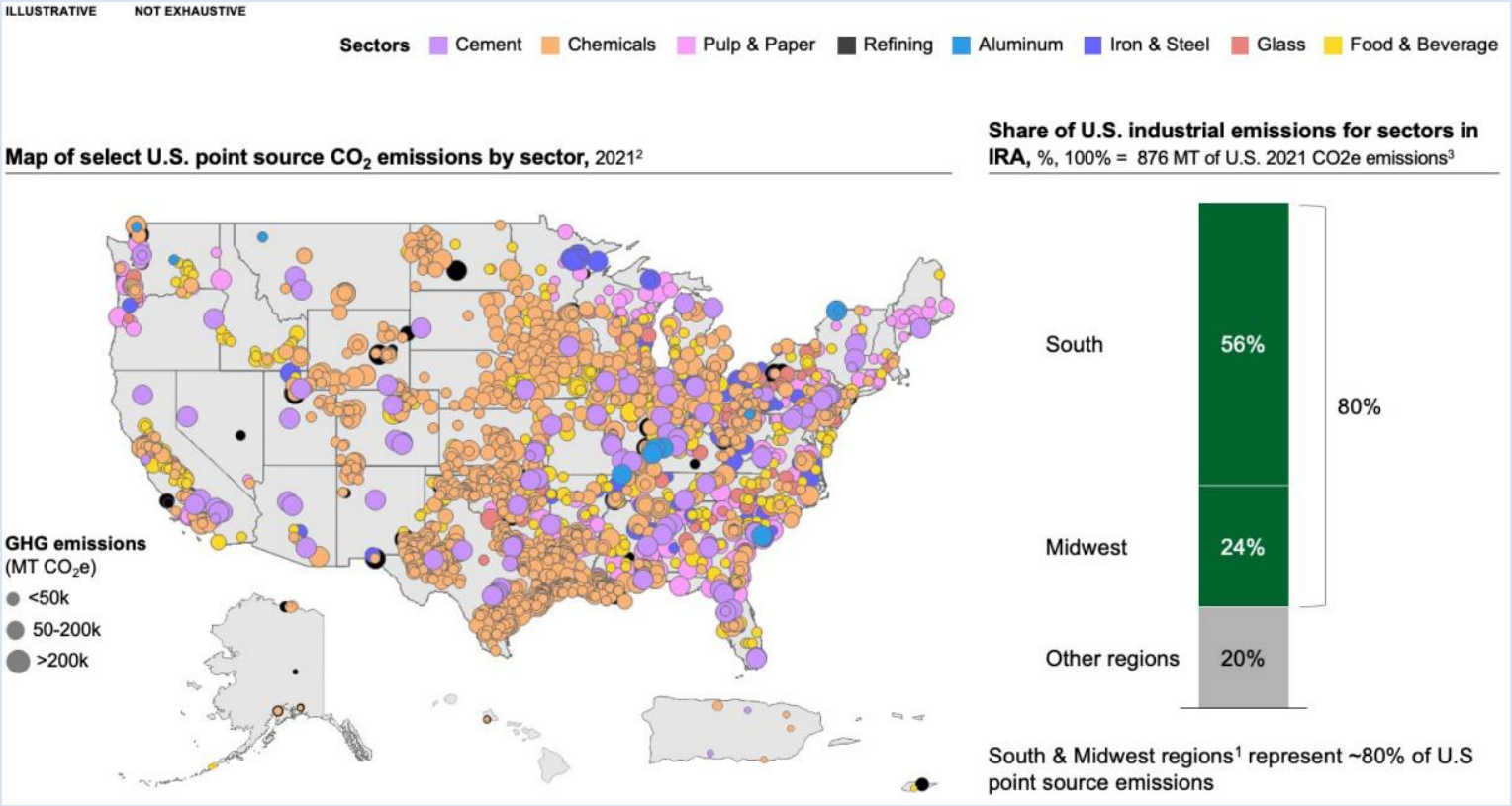
- High Employment Specialization and Share
- High Employment Specialization
- High Employment Share

Source: https://clustermapping.us/



This Pathway to Liftoff scenario relies on technologies along the Research, Deployment, Demonstration, and Deployment (RDD&D) continuum with near-term opportunities for deployable technologies across all sectors studied.

In the United States, CO_2e emissions come from 2,500+ facilities, with the South and Midwest representing 80% of the emissions.



The information in this flyer is based on the Pathways to Commercial Liftoff: Industrial Decarbonization report.