



Earlier this year, Summit Carbon Solutions announced plans to develop a new carbon capture and storage project in Iowa, Minnesota, North Dakota, South Dakota, and Nebraska. The project, Midwest Carbon Express, will capture carbon dioxide emissions that otherwise would be emitted into the atmosphere from biorefineries, such as ethanol plants, compress the captured CO₂, and transport it through a pipeline to North Dakota where it will be permanently and safely stored underground in deep geologic storage locations.



BOLSTERING ETHANOL AND AGRICULTURE

- Midwest Carbon Express will bolster the ethanol and agricultural industries that are so critical to the South Dakota and regional economies. The ethanol industry:
 - Supports 360,000 jobs
 - Contributes more than \$45 billion to annual U.S. GDP
 - Utilizes approximately 40% of corn produced in the U.S.
 - Provides a \$14 billion boost to grain markets
- The project will put ethanol produced at our 31 partner facilities on track to produce a net zero carbon fuel by 2030. This will allow these plants to access new and emerging markets that have adopted low carbon fuel standards.



ECONOMIC BENEFITS

- \$4.5 billion total investment
- 14,000 to 17,000 jobs created during construction
- 350 to 460 full-time jobs created once operational
- Summit Carbon Solutions will utilize local contractors, local suppliers, and local businesses and provide ongoing economic benefits to local communities across South Dakota and the Midwest



COMMITMENT TO SAFETY

- Safety is and always will be our top priority
- Carbon capture technology is already in use at more than 40 ethanol plants in the United States
- There are 5,000 miles of CO₂ pipelines already in operation in the United States and pipelines are the safest way to transport this material
- There have been zero fatalities involving CO₂ pipelines over the past 20 years



ENVIRONMENTAL BENEFITS

- Midwest Carbon Express will be the largest carbon capture and storage project in the world.
- This project will have the capacity to capture and permanently store up to 12 million tons of CO₂ every year. That's the equivalent of removing 2.6 million vehicles from our roads annually.



SUMMIT CARBON SOLUTIONS' COMMITMENT TO SOUTH DAKOTA LANDOWNERS

- Summit Carbon Solutions will work with landowners, community leaders, stakeholders, and more, with respect, honesty, and transparency. If you feel that has not been demonstrated, please contact us at InfoSD@summitcarbon.com.
- The safety of our operations, our employees, the communities where we operate, and our landowner partners is our top priority and always will be.
- We will be good stewards of the land across our entire project area. Summit Carbon Solutions will protect and restore lands, topsoil, drain tiles, drainage systems, and more to their preconstruction levels.

To learn more about Summit Carbon Solutions or the Midwest Carbon Express project, please visit www.SummitCarbonSolutions.com.

QUESTIONS & ANSWERS

What is carbon capture and storage?

Carbon capture and storage projects have the potential to help reduce greenhouse gas emissions while also creating good paying jobs and growing the economy. This technology, which has been proven over decades, captures carbon dioxide that is generated from power generation or other industrial processes and prevents it from being emitted into the atmosphere.

Why does the project need a mainline, trunkline, and laterals?

Midwest Carbon Express will capture the carbon dioxide from numerous ethanol plants and other sources. Smaller diameter pipelines will gather individual plant volumes and interconnect with lines from other plants into regional trunklines. Eventually the trunklines will connect with a mainline pipeline.

Will Summit Carbon Solutions protect sensitive areas during construction?

Yes. In addition to meeting, and in many cases exceeding, all federal, state, tribal, and local regulatory requirements, we will design and construct this project to minimize the impact to all natural and cultural resources.

What is the diameter and thickness of the pipeline?

The mainline pipeline is being designed with a range of wall thickness from 0.250 inches to 0.625 inches thick and will be constructed with high-strength steel. The pipeline system will run approximately 2,000 miles in total with the ability to transport 12 million tons of CO₂ per year. The diameter of the pipeline/pipeline system will likely range from four to 24 inches.

What materials will you use when constructing the pipeline?

At our partner facilities, carbon dioxide capture and compression equipment will be installed to capture CO₂ emissions. Small underground pipelines will connect each facility to a large trunk pipeline which will transport CO₂ to the sequestration site in North Dakota. Captured CO₂ is permanently stored in geologic storage areas in North Dakota. Wells are drilled several thousand feet below ground where CO₂ can be stored safely based on the standards put in place by the Environmental Protection Agency and North Dakota's Department of Mineral Resources.

What happens if there is a leak in the pipeline?

In the very unlikely event that a leak occurs in the pipeline, our alert system will immediately notify us, and our engineering and safety teams will respond right away to address the issue. If released from the pipeline, carbon dioxide will become a gas and dissipate into the atmosphere. Carbon dioxide itself is a non-flammable, non-toxic gas that is present in low concentrations within the air we breathe.