



SUMMIT CARBON
SOLUTIONS

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Agenda

COMPANY VIDEO

MIDWEST CARBON EXPRESS OVERVIEW

ENHANCING THE ETHANOL INDUSTRY

PROJECT LOCATION AND PARTNER FACILITIES

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SUMMIT CARBON SOLUTIONS WAS FORMED IN 2020, HEADQUARTERED IN AMES, IOWA



INVESTING \$4.5 BILLION TO CREATE WORLD'S LARGEST CARBON CAPTURE & STORAGE PROJECT



THE PROJECT IS REFERRED TO AS THE MIDWEST CARBON EXPRESS



FOUNDED & SPONSORED BY:



Summit Carbon Solutions - Video



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Midwest Carbon Express Overview

At our 31 partner ethanol plants, Summit Carbon Solutions will install new, state-of-the-art infrastructure



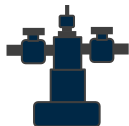
Step 1

Carbon dioxide is captured that otherwise would be emitted into the atmosphere.



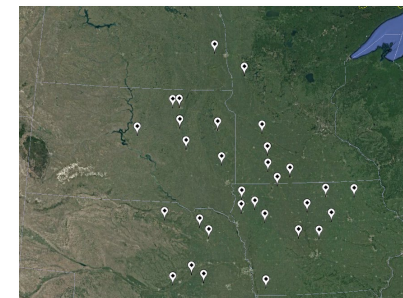
Step 2

The captured greenhouse gases are compressed and moved through a newly constructed pipeline system.



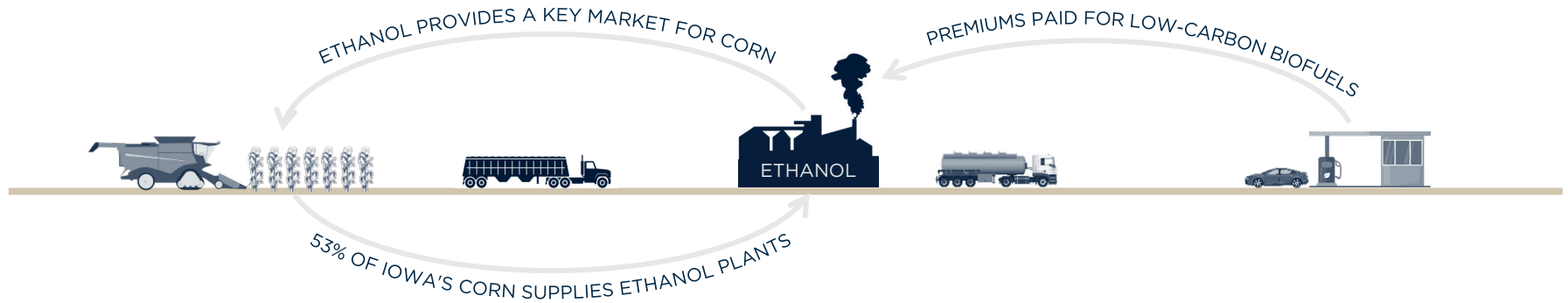
Step 3

CO₂ arrives at the injection site in North Dakota where it will be permanently and safely stored in deep underground geologic formations.



Enhancing the Long-Term Profitability of Ethanol & Agriculture

SCS enables ethanol to be produced more sustainably allowing it to better compete in a low-carbon world



ETHANOL AND AGRICULTURE WORK TOGETHER TO ADD VALUE ACROSS THE SUPPLY CHAIN AS WELL AS CREATE ECONOMIC IMPACT AND JOBS FOR RURAL AMERICA.

	UNITED STATES	IOWA
EACH YEAR, THE ETHANOL INDUSTRY ADDS:	\$43B+ of annual GDP contribution	\$4.5B+ of annual GDP contribution
EACH YEAR, THE ETHANOL INDUSTRY SUPPORTS:	340,000+ jobs	44,000+ jobs

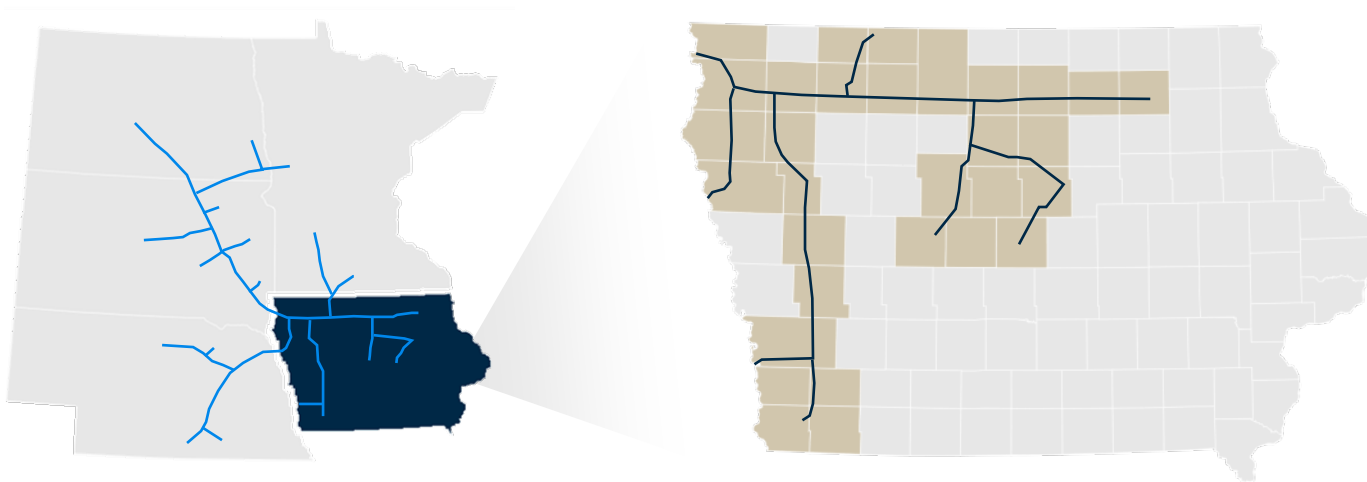
THE LONG-TERM VIABILITY OF THE ETHANOL INDUSTRY IS CRITICAL FOR AGRICULTURE AND RURAL AMERICA.



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Project Location & Partner Facilities

The Midwest Carbon Express will be located in five states and will run through 30 Iowa counties



31 BIOREFINERY
PARTNERS ACROSS
20 COMPANIES

12 CURRENT PARTNERS
LOCATED IN IOWA

BIOREFINERY PARTNER COMPANIES

 Green Plains

 Homeland
Energy
Solutions

 Golden
Grain
Energy



Dakota
ETHANOL

 Glacial Lakes
Energy, LLC

 Siouxland
Energy
Cooperative

 REDFIELD
ENERGY, LLC

 PINE LAKE CORN
PROCESSORS
EST. 2005

 LITTLE SIOUX
CORN
PROCESSORS

 Plymouth Energy
LLC

 TE
Tharaldson | Ethanol

 HICKORY
AG

 RINGNECK
Energy

 PLYMOUTH
ENERGY
LLC

 HERON LAKE
BIO ENERGY

 LDC
Louis Dreyfus Company

 LE
Louis Dreyfus Company

 HE

 QUAD COUNTY
CORN PROCESSORS

CORN LP

GOLDEN GRAIN ENERGY

GREEN PLAINS - SHENANDOAH

GREEN PLAINS - SUPERIOR

HOMELAND ENERGY SOLUTIONS

LINCOLNWAY ENERGY

LITTLE SIOUX CORN PROCESSORS

LOUIS DREYFUS - GRAND JUNCTION

PINE LAKE CORN PROCESSORS

PLYMOUTH ENERGY

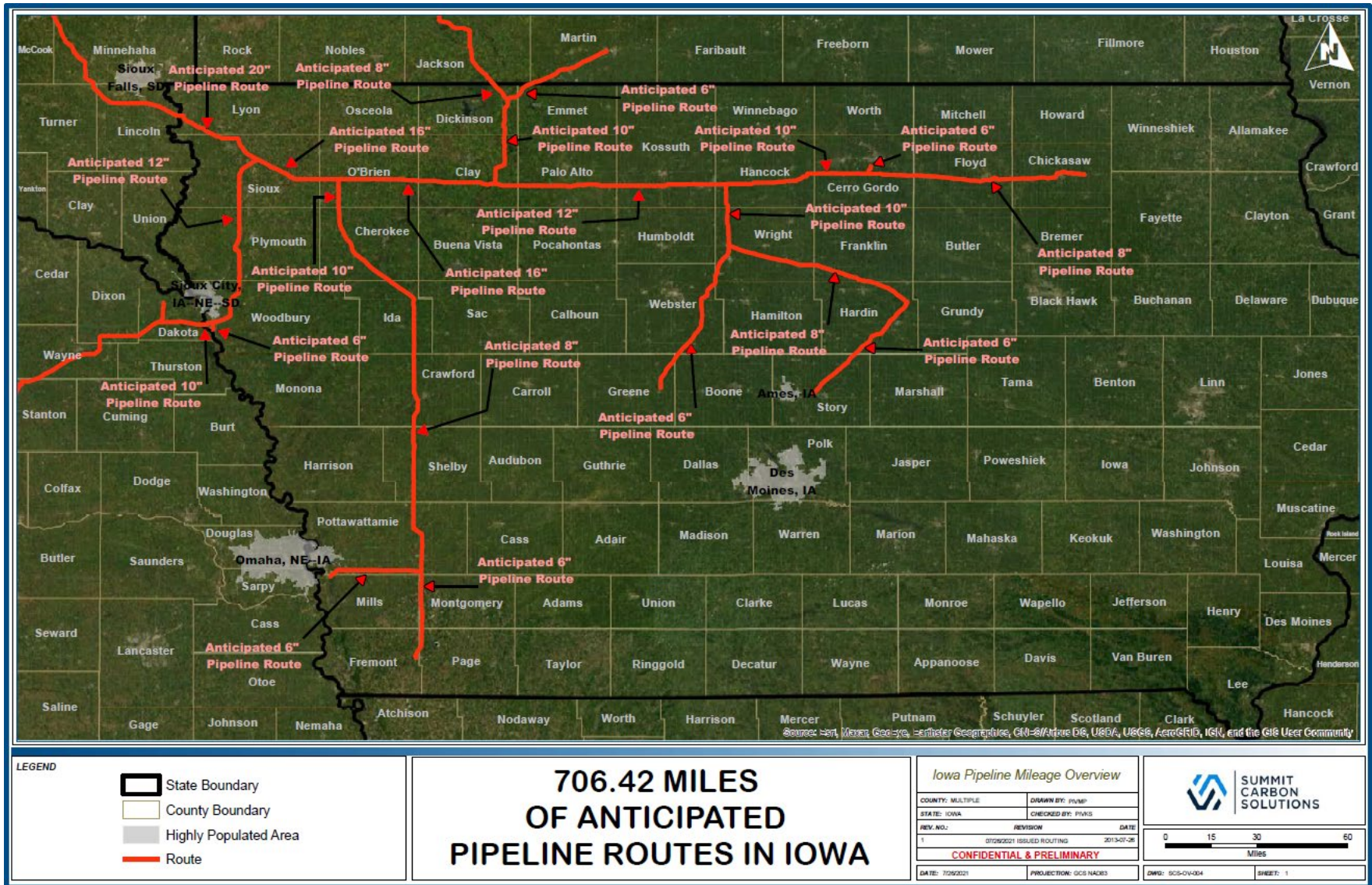
QUAD COUNTY CORN PROCESSORS

SIOUXLAND ENERGY COOP



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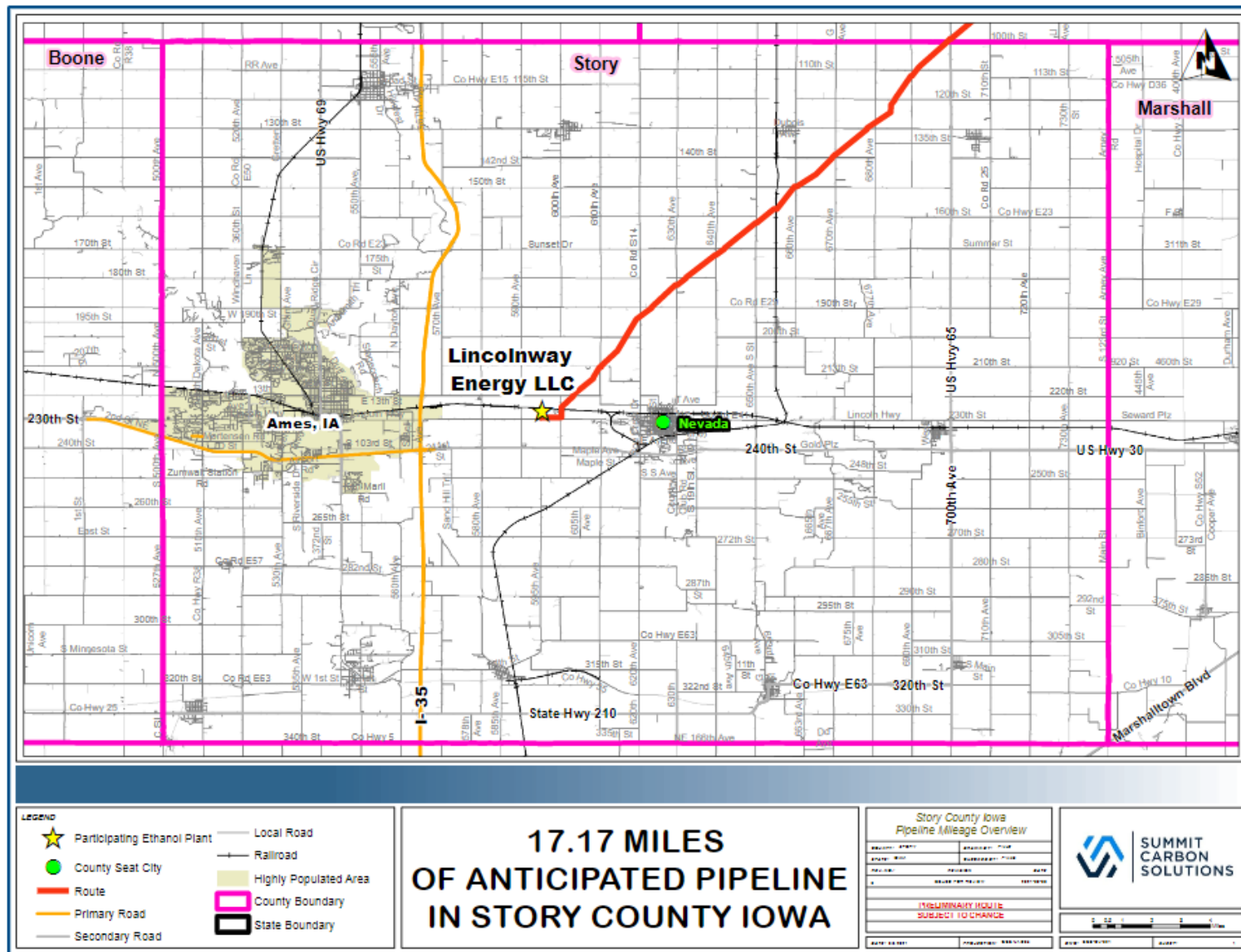
Iowa Project Map





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Story County Project Map



Summit Carbon Solutions Economic Benefits

SCS will drive economic growth and job creation across the Midwest and beyond

\$4.5 Billion

capital investment with operations beginning in 2024

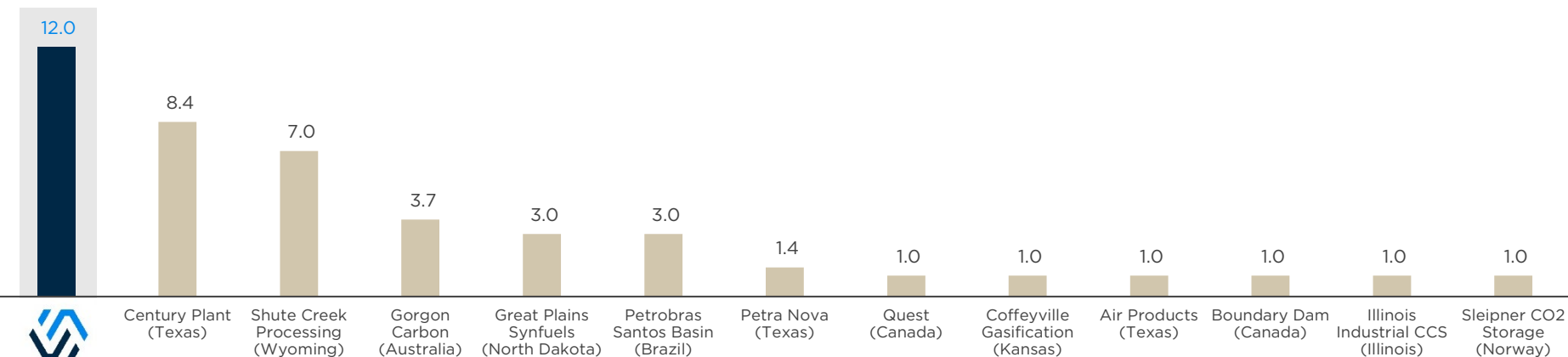


	Capture & Compression	Pipeline	TOTAL
PROJECT JOBS	132 - 198	14,067 - 17,193	14,199 - 17,391
OPERATION JOBS	220 - 307	128 - 156	348 - 463
TOTAL JOBS	352 - 505	14,195 - 17,349	14,547 - 17,854

SUMMIT CARBON SOLUTIONS IS COMMITTED TO UTILIZING LOCAL UNION AND NON-UNION CONTRACTORS, LOCAL SUPPLIERS, AND LOCAL BUSINESSES TO PROVIDE ONGOING ECONOMIC BENEFITS TO LOCAL COMMUNITIES ACROSS IOWA AND THE MIDWEST.

Midwest Carbon Express: Environmental Benefits

CREATING THE WORLD'S LARGEST CARBON CAPTURE AND STORAGE PROJECT



CAPACITY TO CAPTURE, TRANSPORT AND STORE 12 MILLION METRIC TONS OF CO₂ EACH YEAR EQUIVALENT TO:

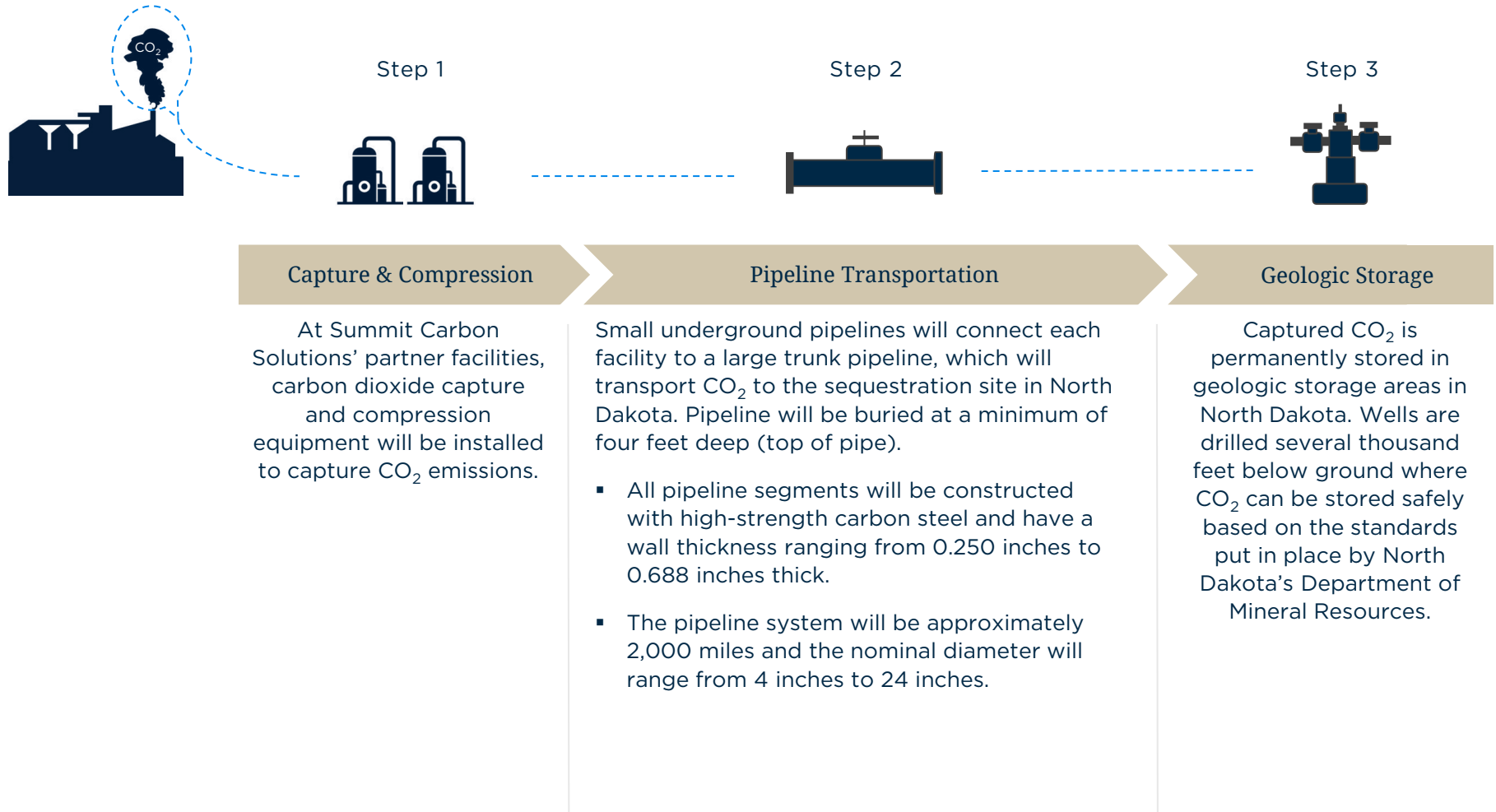


OR



Summit Carbon Solutions: A Commitment to Safety

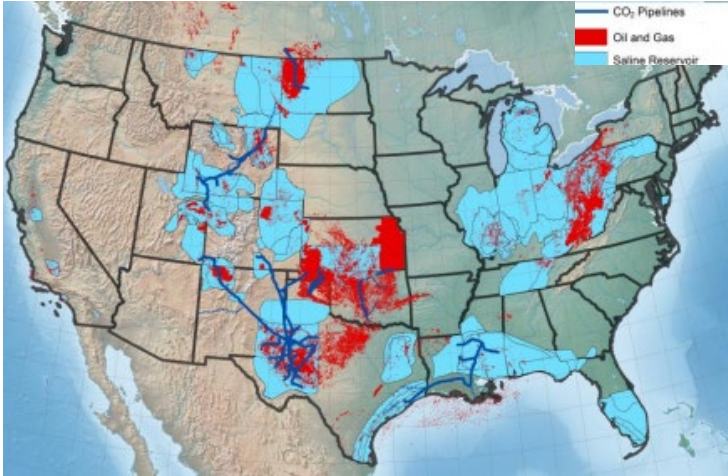
Deploying existing, proven technologies to reduce carbon intensity of ethanol production



Summit Carbon Solutions: A Commitment to Safety

CCS technology has been safely and successfully implemented since the 1970s

CURRENT U.S. CO₂ PIPELINE FOOTPRINT



- ✓ Capture technology has been deployed at 40+ ethanol facilities throughout the U.S.
- ✓ Pipeline transportation is the safest method.
- ✓ More than 5,000 miles of CO₂ pipelines exist in the U.S.

IMPECCABLE SAFETY RECORD

Zero

CO₂ pipeline fatalities
in the last 20 years¹

CO₂ is much less of a health and environmental hazard than other pipelines. CO₂ is not combustible (it is used as a fire retardant).

- ✓ SCS will only utilize highly rated and safe materials, including carbon steel.
- ✓ We will utilize proven technologies and employ the best industry practices to ensure the project is safe for landowners and the communities where they live, work, and raise families.

Our Commitment to You

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 REACH OUT TO
INFO@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.

Compensation for Landowners

SUMMIT CARBON SOLUTIONS WILL HAVE
LAND AGENTS ASSIGNED TO EACH
INDIVIDUAL LANDOWNER FOR
THE DURATION OF THE PROJECT.

WE ARE COMMITTED TO BUILDING AND
MAINTAINING A POSITIVE, PRODUCTIVE
RELATIONSHIP WITH LANDOWNERS BUILT
ON TRUST AND TRANSPARENCY.



Along with safety, it is a top priority for Summit Carbon Solutions to negotiate easements with landowners that are agreeable for both parties-and provide value to both parties.



Easement rights are acquired with the land and are not impacted by future changes in ownership.



Compensation is based on a fair market value for land in the county – Summit will be utilizing recent comparable sales data for each county to determine the fair market value. Summit will offer 100% of the fee value based on that comparable sales analysis for its permanent easement.



Summit Carbon Solutions will pay for anticipated damages to crops or lands prior to construction and work directly with landowners to address their specific concerns related to the impact of construction on their property.

FOLLOWING TODAY'S MEETING, WE WOULD LIKE TO HAVE THE OPPORTUNITY TO VISIT WITH LANDOWNERS INDIVIDUALLY, ANSWER QUESTIONS AND HOPEFULLY SECURE YOUR PERMISSION TO START SURVEY WORK ON YOUR PROPERTY.

Compensation for Landowners - Continued

Once an easement is executed and the terms and conditions for the easement are finalized, the landowner has seven days to cancel the terms of the deal **Iowa Code § 479B.24**.



Summit Carbon Solutions will pay landowners once the cancellation period has concluded.

TERMS OF CANCELLATION

Summit Carbon Solutions will provide a form that defines the terms of cancellation that can be used to notify the company of the termination, should the landowner choose to exercise those rights.

Termination must occur in writing, sent by certified mail, and be within seven business days of agreement and signatures. Seven days does not include Saturday or Sunday.

Notice should be sent to Summit Carbon Solutions' principal place of business at 1805 Collaboration Place, Suite 1200, Ames, IA 50010.

Crop Loss Compensation

Summit Carbon Solutions will pay landowners for losses to crops planted prior to construction or if a crop normally would have been planted prior to the finish of construction

THE COMPANY WILL PAY FOLLOWING PERCENTAGES OF THE CROP LOST TO PRODUCTION:

100%

coverage of crop loss
in the first year



80%

coverage of crop loss
in the second year



60%

coverage of crop loss
in the third year

Compensation figures will be based on the prevailing market price index by crop type or in accordance with any prearranged purchase agreements and based upon the three-year annual average yield of the crop as documented by the landowner or by the records from the local agricultural agency.

Drainage Tile

Pipeline on the Midwest Carbon Express project will be buried at a minimum of four feet deep to the top of the pipe

Summit Carbon Solutions will work with each landowner to develop a plan to restore drainage systems to its prior function.

EXAMPLES INCLUDE:

Individual drain tile repairs

Installation of new drain tile(s)

Redesign and re-installation of the drain tile system

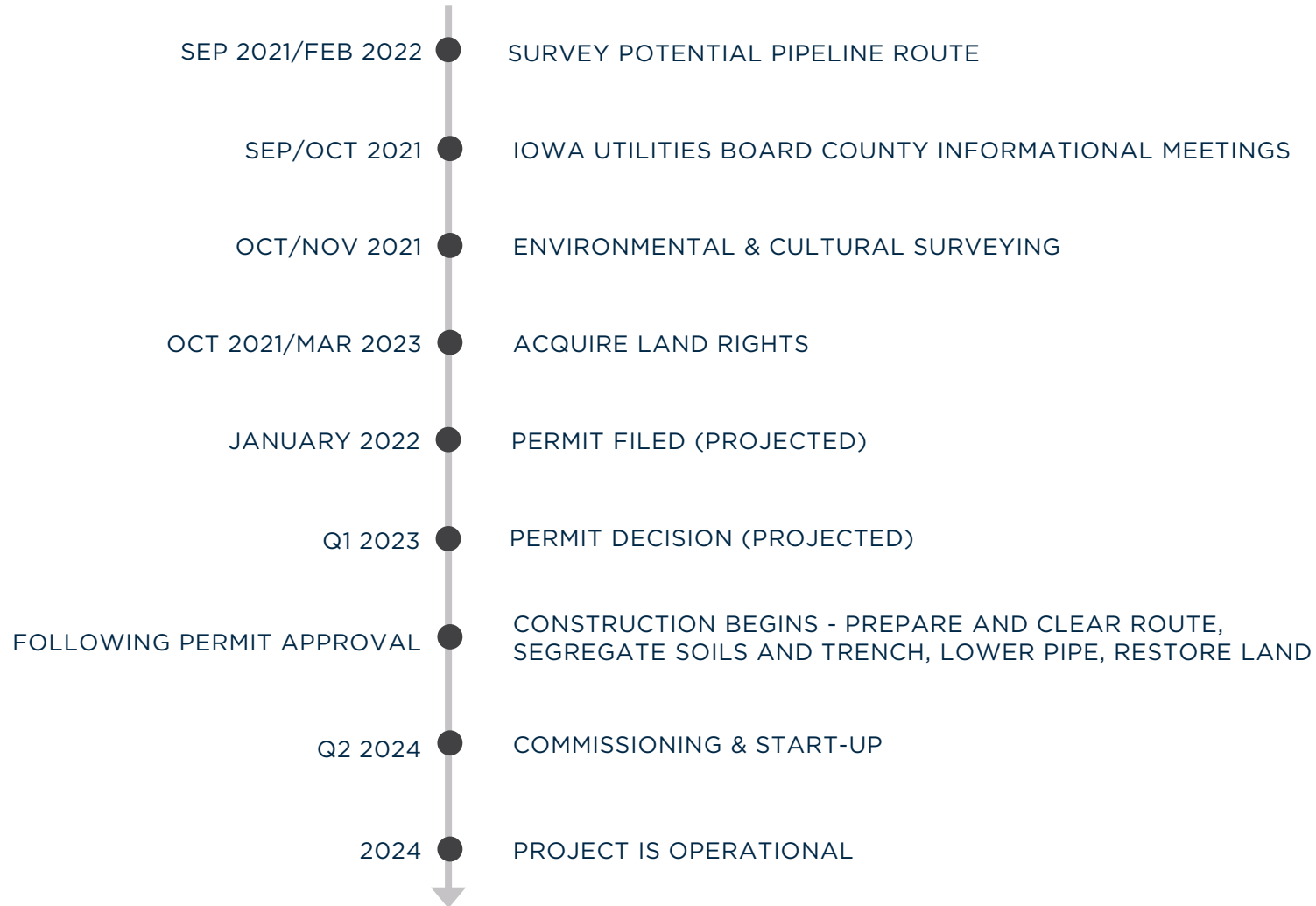
WHO PERFORMS THE WORK?

As a common practice, Summit Carbon Solutions will employ a professional drain tile company to repair tile damaged during construction. We are also willing to work with landowners who prefer to hire their own contractor for the repairs.

Summit Carbon Solutions will pay reasonable costs if the company chooses to have a representative present during this process.

When practical, Summit Carbon Solutions will work with landowners to relocate tile(s) prior to the start of construction.

Projected Project Timeline





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Thank You