

Economic Contributions of Summit Carbon Solutions in North Dakota

Summit Carbon Solutions



Summit Carbon Solution's planned pipeline project will transport carbon dioxide for sequestration across five states: Iowa, Minnesota, Nebraska, North Dakota, and South Dakota. The project will reduce the carbon footprint of ethanol production and enhance the long-term economic viability of ethanol, agricultural, and other related industries. This infographic presents the economic contributions from the project's construction and operations for the state of North Dakota. The project contributes to the North Dakota economy by employing workers, paying salaries and benefits, purchasing goods and services from local businesses, contributing to other household consumption, and paying taxes. The project's economic contributions go beyond the direct impacts, creating additional rounds of impacts, including jobs and earnings for contractors and supplier businesses (indirect impact) and at locally-supported consumer businesses where employees spend their wages (induced impacts).

\$898.4m*

Total capital expenditures from 2022-2024

Average wage of employees supported by construction

\$67,609

\$17.6m*

Annual operating costs, 2025

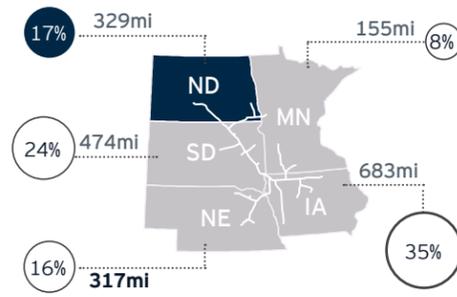
Average wage of employees supported by operation

\$94,341

329

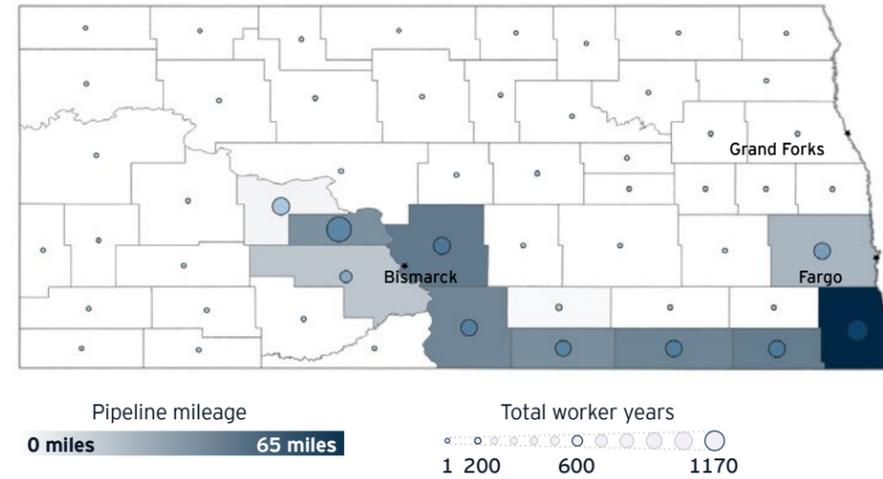
Total pipeline miles

1 Total capture facilities



Pipeline mileage and worker years contribution by county, North Dakota

Capital expenditures 2022-2024



There are **11 pipeline counties** in the state. The remaining **42 counties** in North Dakota are considered **non-pipeline counties**. **95%** of the **total gross output** due to capital expenditures come from the **pipeline counties**, and the remaining **5%** comes from **non-pipeline counties** due to secondary economic (indirect and induced) impacts.

Capital expenditures

Capital expenditures in North Dakota from Summit and its contractors will support **5,803 worker years** in the state from 2022 through 2024, or **1,934 annual jobs** on average. The annual jobs include 6 direct Summit employees and 1,436 jobs supported through Summit's suppliers and contractors. Another 492 jobs are supported through induced contributions.

Economic contributions of capital expenditures

2022-2024

5,803 Total worker years** (2022-2024)

1,934 Average annual jobs



8.5 worker years are supported for every mile of pipeline constructed

for every mile of pipeline constructed

6.5 worker years are supported for every million dollars of capital expenditure

for every million dollars of capital expenditure



\$569m Value added (Total impact)

\$392m Labor income (Total impact)

\$1,157m Total economic output

Note: Total impact includes direct, indirect, and induced impact

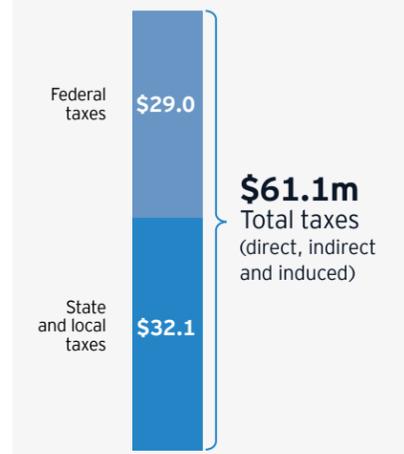
Total tax impact of capital expenditures

Federal, state and local taxes (2022-2024)

The **primary drivers** of Summit's construction phase taxes are **North Dakota's sales tax liability** due mainly to indirect and induced purchases and federal individual income tax

\$4.7m

Total sales tax liability (Direct, indirect and induced)



Operations

Summit's operations will support **150 jobs** in the state in 2025. This includes **34 direct** Summit employees and **62** supported through **Summit's suppliers and contractors**. Another **54** jobs are supported through **induced** contributions.

8.5

jobs are supported for every million dollars in operations

Economic contributions of ongoing operations

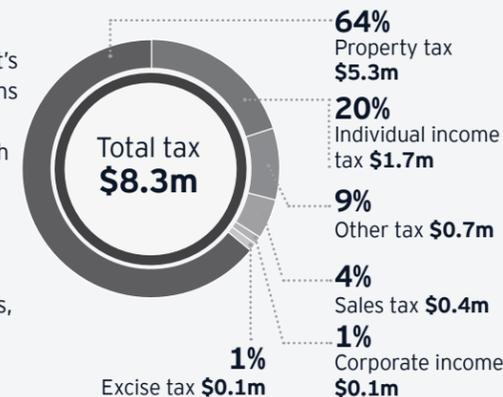
Typical operating year, 2025

Impact (\$ in millions)	Jobs	Labor income	Value added	Economic output
Summit Employees (Direct)	34	\$6	\$8	\$16
Suppliers + Contractors (Indirect)	62	\$5	\$9	\$22
Induced	54	\$3	\$5	\$9
Total	150	\$14	\$22	\$47

Total tax impact of operations

Federal, state and local taxes 2025

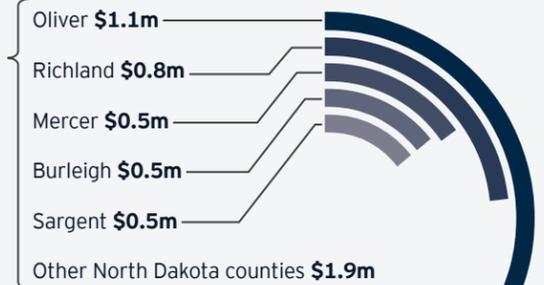
The **primary drivers** of Summit's taxes on operations is are **property tax liability**, which is levied on gross property, plant, and equipment costs for pipeline and pump stations, and carbon capture facilities.



Counties with largest total operations property tax impact

(Direct Summit tax liability)

Total **\$5.1m**



\$5.1m Direct + \$0.2m Indirect & induced = \$5.3m Total property tax liability

* The capital expenditures provided by Summit for North Dakota exceeds \$898 million. However, right-of-way acquisition costs and damages are not included in the analysis. The operating expense provided by Summit for North Dakota for 2025 totals \$37 million. \$14 million in taxes and \$5 million in insurance costs are not included. The excluded categories represent a transfer rather than new economic activity.

** Worker years represent the sum of full-time workers required over the course of the three-year construction period (2022-2024) to complete the construction of Summit Carbon Solution's pipeline project. For example, if one full-time worker is hired for three years, that worker contributes three worker years.

Note: Numbers may not sum due to rounding. Total tax impacts from construction expenditures as well as operations include direct, indirect, and induced impacts. The analysis does not include the tax impacts derived from Section 45Q (federal tax credit for CO2 sequestration). The economic impacts presented here are based on preliminary estimates of costs by Summit from a specific point in time. Thus, any revisions to the amount of capital expenditures and operating costs may produce significantly different economic impacts.

Source: Ernst & Young, LLP.