Potential Economic Impact of Carbon Capture & Sequestration (CCS) in Michigan

Carbon capture could bring many benefits to MI...

DTE

up to **20 MILLION** metric tons of potential CO_2 sequestered annually

up to **$10 BILLION** of investment in CO_2 capture, transportation and sequestration infrastructure

the potential creation of **4,000 JOBS**

CCS offers up to a $10B investment opportunity in Michigan

- Includes $8B in capture investment (both retrofits and new builds) at ~20 facilities across the state
- $2B in infrastructure to develop an extensive carbon storage and transportation network throughout the state

CCS can create thousands of jobs for MI

- Nearly 4,000 jobs are projected to be created, with 2,000 jobs created in ongoing positions

Opportunities for Michigan's economy

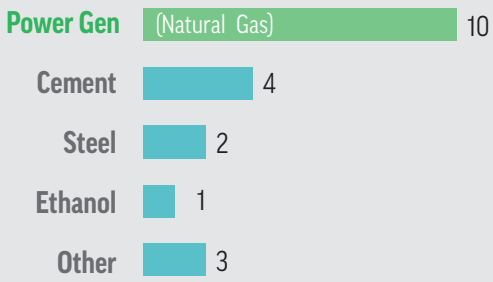
- Near-term CCS will target the power generation, steel, cement, and ethanol industries
- Jobs will also be created in construction, storage, and transportation operations and maintenance

CCS will help MI meet its mid-century decarbonization goals

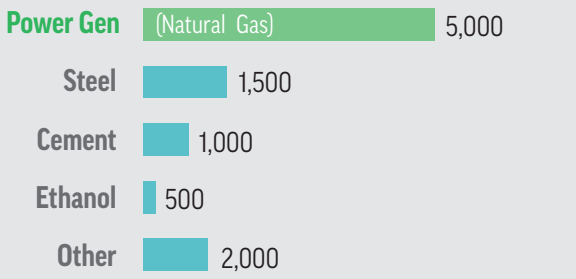
- CCS has the potential to make Michigan a leader in new technologies
- Early adoption will attract industry investment in the state

The annual metric tons of CO_2 sequestered could amount to the following

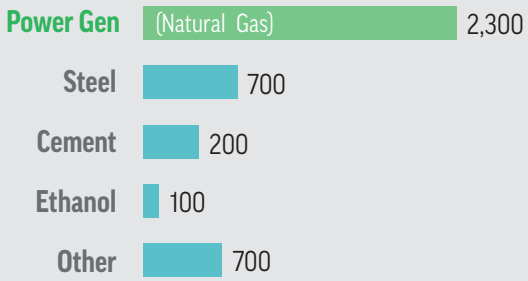
(Million Metric Tons)



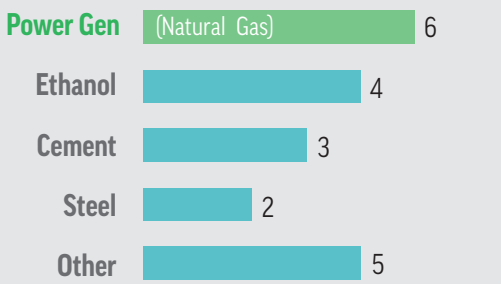
CAPEX ($MM Capital Expenditure)[1]



JOBS CREATED[2]



NUMBER OF FACILITIES



1. Total CAPEX for capture, transportation, and storage.
2. Includes construction/development and ongoing jobs.

Developed using information from Rhodium Group report *The Economic Benefits of Carbon Capture*, EPA FLIGHT database, and DTE internal estimates.

Projected data gathered in August 2022

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