

PENNSYLVANIA DEVELOPMENT TO CAPTURE MINE METHANE EMISSIONS

SUMMARY



The following paper highlights the environmental, economic and investment impacts of capturing methane emissions in Pennsylvania emitted by mines.

Fewer than 3% of America's producing coal mines are seeking opportunities to abate methane emissions. Incentivizing the market to capture and sell CMM furthers environmental progress, creates jobs, and enhances grid reliability, but policy solutions are needed to achieve desired outcomes.

The analysis, based on the assumption that the current pace of mining will continue and resulting emissions will raise over time, approximates a CMM capture project can contribute more than \$140 million in PA state, local and federal taxes over the next 5 years.

5 YEARS		20 YEARS	
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JOB, GDP GROWTH*

 1,204 average jobs	 806 average jobs		
\$122M average annual GDP contribution	\$144.2M in local, state and federal tax payments	\$92M average annual GDP contribution	\$348.6M in local, state and federal tax payments




NEW INVESTMENT IN PA

 PENNSYLVANIA	\$959M total capital investment
	\$1.1B in total operating expenses

REDUCING PA EMISSIONS

CMM capture projects could reduce 4.1 million metric tons of CO₂e annually*

or the same amount as

 900K gas-powered passenger vehicles emit in a year	 461M gallons of gasoline consumed	 809K household emissions from electricity used in a year
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*Job totals include direct, indirect & induced

*Estimate based on 5-year deployment of methane capture forecast