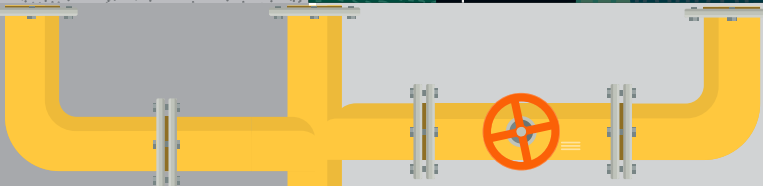




MICHIGAN PIPELINES: POWERING ECONOMIC AND ENVIRONMENTAL PROGRESS



Crude oil transportation created nearly 27,000 jobs in 2016 and \$12.6 billion in sales for the Great Lakes Region. It accounts for over 370,000 jobs and over \$2.6 billion in tax revenue for local counties.

The Michigan Public Service Commission regulates the safe operation of more than 50,000 miles of natural gas distribution pipelines and over 3 million service lines that crisscross the state.



More than 201,000 Michiganders are employed by energy intensive sectors that rely on pipelines, including food manufacturing, textile mills, and paper production.

In 2019 state regulators conducted 957 safety inspection days on Michigan pipeline infrastructure. An inspection day may cover multiple pipeline operations.



More 3.5 million Michigan homes and businesses rely on pipelines to provide natural gas energy. Reliable natural gas supplies play an important role in stabilizing the Michigan's electric grid during the state's blisteringly cold winter months.

Pipelines are the most energy-efficient and cost-effective method to transport large volumes of oil and gas when compared to the energy required to transport supplies via truck, rail, or ocean vessel.



Skilled trade unions, like LIUNA and the Operating Engineers 324, and United Association are committed to training and hiring local residents to work on pipelines across the country. Our manufacturers depend on crucial energy feedstocks to keep Michigan's economy moving.

Michigan's air quality has dramatically improved even as pipelines have expanded to meet its growing energy needs. EPA data shows, from 1990 to 2017 air pollution levels are down by as much as 84 percent. Additionally, from 1990 to 2017, carbon emissions declined by more than 15 percent.

