

Pipelines: Bringing it all Within Reach for Michigan



America's energy renaissance is underway. We're producing more oil and natural gas than we have ever before. But have you ever wondered how our energy goes from the well to our gas pumps or to our homes? To get that energy to consumers like you and me, we need a complex energy infrastructure that includes pipelines, roads, rail, trucks and ships that carry our oil and natural gas. By investing in Michigan's energy infrastructure, we will help ensure our energy renaissance continues, lessen the chance of supply disruptions and strengthen our energy security.

Why New Pipelines are Essential

- Former EPA Administrator Gina McCarthy has said, "Natural gas has been a game-changer with our ability to really move forward with pollution reductions that have been very hard to get our arms around for decades."
- As the demand for natural gas grows in Michigan, we need to build and expand our pipeline system. Building these important infrastructure projects could lower heating and electricity costs, create jobs and improve our economy.
- Without pipelines, our streets and highways would be overwhelmed by trucks trying to keep up with Michigan's demand for oil and natural gas.
- The carbon footprint of transporting fuel by pipeline is far less than moving energy by any other way.



From the Ground to Your Home

- Pipelines in Michigan enable our families, homes and businesses to get the energy they need. Often Michigan's natural resources travel thousands of miles from where they are produced to where they are refined before they are used in our everyday lives.
- America already depends on nearly 2.6 million miles of existing pipelines. **Right here in Michigan we have over 9,000 miles of pipelines.** These pipelines safely go through neighborhoods and communities, stretching across farms, forests and everywhere in between.



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Protecting Your Community

- A barrel of crude oil or petroleum product shipped by pipeline safely reaches its destination more than 99.99% of the time.
- Pipeline companies work with Michigan's local and state governments as well as the federal government to address our community health, safety, security and environmental concerns throughout every phase of a pipeline's development and operation. Pipeline plans are approved before construction starts. Pipelines are inspected regularly during the building and throughout their operational lifetime.
- To prevent leaks, state-of-the-art technology similar to a doctor's ultrasound machine or MRI is used on the inside of the pipe to scan the walls for any potential problems. In 2012 alone, \$2.1 billion was spent by liquid pipeline operators to evaluate, inspect and maintain their pipelines.

THE TRUTH BEHIND ANTI-PIPELINE ATTACKS:

Opposition groups in Michigan and across the nation are now focused on contesting every new and even some existing pipeline projects in hopes that they can stop America's energy renaissance. It's an extreme campaign that ignores the fact that pipelines are a very safe and efficient way to move oil and gas and their products, and forgets that our livelihoods, our standard of living and our economy would collapse without these resources.



Get the Facts:



2.6 million miles

The U.S. has the largest network of energy pipelines in the world.



9,722 miles
of existing pipeline
in Michigan.



Pipeline investment could create **198,882 jobs** in the region and **830,771 jobs** across the country.



Most energy used by Michigan families goes towards home heating, and **natural gas provides 78% of the energy used to heat their homes.**