



PIPELINES CONNECT US

THE BENEFITS OF PIPELINES AND AFFORDABLE ENERGY

From fueling our vehicles and heating our homes, to providing the raw materials that make thousands of items we use every day, pipelines connect us to the energy we rely on. America's vast system of underground pipelines safely and efficiently delivers the affordable energy that enables us to live comfortably.



AFFORDABLE ENERGY

- America is producing more natural gas and crude oil than ever before. The ability of our pipeline network to quickly and affordably deliver it to market helps keep our energy costs down.
- The efficiency provided by pipelines translates into more affordable power generation, providing American consumers cost savings on their household energy bills.
- Affordable and abundant energy transported by pipelines also translates to lower gasoline costs, providing Americans with more choices on where to live because commuting—whether by bus or car—is more affordable.



ENERGY SECURITY AND ECONOMIC SUPPORT

- Pipelines delivering American energy lessen our dependence on unstable and sometimes unfriendly overseas sources.
- Pipelines help us avoid costly imports and commodity price swings.
- Pipelines directly and indirectly stimulate millions of family-sustaining jobs through their support of the entire energy value chain—from producers to refiners and distributors.
- Pipelines and their associated infrastructure provide annual tax revenues to the communities through which they pass, helping support schools, libraries, parks, and other local initiatives.
- Pipeline infrastructure supports American manufacturing by providing the natural gas and petroleum byproducts used to make clothing, safety gear, medical equipment, food packaging, reusable plastics, and more.



CONVENIENCE AND LIFESTYLE

- Pipelines support our transportation options, from personal vehicles and ride-share programs, to airplanes and busses, by safely transporting the petroleum and refined products that we rely on for fuel. Every time you fill your vehicle with gas, you are using energy that, at some point, was transported by a pipeline.
- Millions of households in colder climates depend on oil and natural gas byproducts to heat their homes. These products usually traverse multiple states in large pipelines before ultimately reaching the communities that need them.
- Rural communities depend on pipelines to carry the propane to heat their homes and businesses, as well as fuel their agricultural machinery.



EMISSIONS AND INNOVATION

- Pipelines replace more carbon-intensive transport methods like truck and rail, making them the greenest way to move energy supplies like natural gas, propane, and gasoline.
- Pipelines reduce congestion across our roads, rail, and shipping transportation networks. Fewer trucks on highways make roadways safer for us all and help mitigate greenhouse gas emissions.
- Pipelines are much safer than rail or truck for transporting natural gas and petroleum products and include many innovative safety features like 24/7 computerized monitoring, sensors on automatic shut-off valves, cathodic anti-corrosion protection, and in-line inspection tools.
- Transportation on pipelines encourages production and use of clean-burning natural gas for power generation, helping phase out the use of coal and other higher intensity carbon-based fuels.



SUPPORTING RENEWABLE ENERGY

- Pipeline infrastructure complements the use and development of solar and wind energy by providing natural gas for electricity generation when the wind isn't blowing and the sun isn't shining.
- Pipelines deliver the feedstocks to the manufacturing plants that build the wind turbines and solar panels.
- State-of-the-art wind turbine blades are made of carbon fiber, which consists of layers of plastics and plastic resin, both of which are derived from oil and natural gas feedstocks.
- Pipelines supply the diesel fuel required to transport solar panels and wind turbines.
- During natural disasters or in a state of emergency, power plants supported by natural gas pipelines are the only fast and reliable option to avoid brownouts and blackouts.

Sources

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