



## **Our Commitment to Safety**

The Dakota Access pipeline will be monitored 24 hours a day, 7 days a week, and 365 days a year by full-time operations maintenance staff. Additionally, the pipeline will include automated valve technology that will automatically close if a problem is detected. Energy Transfer will also provide the towns the means to train first responders, on the chance of an emergency.

By using materials and equipment that meet or exceed industry standards, the Dakota Access Pipeline will be constructed to meet or exceed federal and state safety requirements. The Pipeline & Hazardous Materials Safety Administration (PHMSA), which is a branch of the U.S. Department of Transportation, is the lead federal agency responsible for ensuring the safety of the design, construction, operation and maintenance, and spill response for the Dakota Access Pipeline.

Additionally, Energy Transfer holds their pipelines to a standard that exceeds state and federal regulations. We install special regulation devices to prevent pipeline pressure from exceeding safe limits and created an emergency shutdown system to immediately and safely shutdown valves and pump systems. We also perform routine ground and aerial leak inspections about every 10 days, when federal rules only require these inspections 26 times per year.

## **Maximizing Safety**

At Energy Transfer and with the Dakota Access Pipeline, safety is our top priority. Our goal is to provide safe and reliable service to the communities we cross and to the customers we serve. The Dakota Access Pipeline implements all federal standards into the design and operations of the pipeline, and in many instances, we exceed federal standards to ensure a safe and reliable pipeline. During installation and commissioning, the line will be subjected to careful inspection and testing to verify its integrity and compliance with all regulatory standards and contract specifications.

Some of the safety measures we are incorporating into the Dakota Access Pipeline include:

- We design, construct, operate and maintain the pipeline to meet or exceed federal and safety requirements and use equipment and materials that meet or exceed industry standards.
- We inspect every weld that joins each section of pipe both visually and with x-rays.
- We inspect all special coating of polyurethane on the pipe for added protection.
- We hydrostatically test the pipe at higher than normal operating pressures before placing the pipeline in service.
- We internally inspect the entire length of the line by using an in-line inspection tool known as a caliper pig.
- We equip the pipe with a Cathodic Protection (“CP”) system to prevent external corrosion, which are inspected bi-monthly.

- We provide 24/7 monitoring at an Operations Control Center. The pipeline can be shut down remotely by a control operator or field personnel can be deployed to manually shut down the pipeline.
- We use Advanced Supervisory Control and Data Acquisition (“SCADA”) systems to constantly monitor sensing devices placed along the pipeline to track pressure, temperature, density, and flow.
- We also use a subsystem of SCADA, known as the Computational Pipeline Monitoring System (“CPM”), which analyzes deviations in the flow of liquids, thus improving the operator’s ability to identify abnormal operating conditions.
- We have an emergency shutdown system in addition to remote control operations with local automated control operations and manual overrides and operations in place.
- We perform aerial or ground inspections at least 26 times per year to watch for abnormal conditions or dangerous activities, such as unauthorized excavation, along the pipeline route. It will be patrolled and inspected weekly, weather permitting.
- We test and calibrate controls and safety equipment on a routine basis.
- We conduct extensive public education and outreach programs, including damage prevention programs that meet or exceed industry and federal requirements.
- We post signs to indicate the location of the pipeline and a phone number to call before digging.
- We support statewide underground utility damage prevention programs. The Dakota Access Pipeline will utilize the 811 One-Call System.
- We train local authorities in preventing and responding to any pipeline-related problems.
- We support local authorities with contracted professionals and services from Dakota Access Pipeline.
- We coordinate with local emergency responders.