

Kiely Family of Companies  
*Emission-less Pipeline  
Depressurizing Services*



# ENSURING SAFETY & COMPLIANCE

## Maximizing Operational Efficiency and Limiting Environmental Impact

The Kiely Family of Companies (KIELY), comprised of multiple standalone companies, specializes in design-build solutions for the energy industry. Founded in 1952, our engineering and construction teams perform full-service engineering design, project management, and construction services with a commitment to delivering successful projects on time, on budget, and on expectation.

KIELY is committed to delivering safe and reliable solutions to ensure the integrity, safety, and environmental compliance of your pipeline infrastructure networks and operations. Our Emission-less Depressurizing Services allow our customers to maximize their product retention while reducing greenhouse gas emissions during standard blowdown or purging procedures.

Our team utilizes best-in-class technology to safely depressurize pipelines while recapturing the otherwise vented product. Our goal is to ensure the safety of the local community and environment by protecting against the unwanted release of transported products and potential risk of catastrophic failure. Our solutions are customized, portable, and intrinsically safe.

## How It Works

During traditional blowdown or purging procedures, after segment isolation and drawdown practices have been utilized, a portion of the remaining product is released or flared, creating loss of product and unwanted emissions.

Our emission-less depressurization operations work in conjunction with segment isolation and drawdown.

However, instead of releasing the product into the atmosphere, KIELY safely captures and re-routes the gas to another line utilizing an air driven compression system.



## How it Works

The system is available in varying capacities and can be transported on a trailer or the bed of a truck. Depending on site constraints, the system is powered by compressed air or a small portion of the natural gas evacuating from the pipeline without the need for external generators or fuel sources. The technology can draw the pipeline down to near zero psig and can compress the gas up to 3600 psi differential pressure to transfer to the designated pipeline.

## Gas Recapturing & Purging

During the depressurization planning, KIELY will evaluate your pipeline network to determine the adjoining pipeline for the mobile gas transfer and size of recapture equipment to complete the depressurization in a cost-efficient and timely manner.

Based on your specifications and application, our engineers calculate inert gas requirements to purge or inert your pipeline of the residual near atmospheric pressure gas remaining in the pipeline.



In addition, our team can manage purge activities in the field, providing a qualified field services team for complete project oversight to launch, track, and receive the pigs.

Subsequently, if required, our team can assist with designing and executing a pressure test procedure.

Our engineers provide a stamped pressure test plan and perform testing utilizing our in-house mobile pressure test trailer equipped with all critical equipment, including: deadweight testers, digital recorders, temperature recorders, hydrostatic test pumps, and all necessary hoses and fittings.

The Kiely Family of Companies performs our services with vision, innovation, integrity and excellence, responding to our customer's unique requirements to deliver success for both our customers and their stakeholders.

Our team at KIELY understands the importance of pipeline safety and the increasing requirements regarding emissions and sustainability within the pipeline industry. We are committed to offering solutions to maximize the efficiency of our customer's operations while limiting their environmental impact.

To learn more about our emission-less depressurizing operations, contact our experts today.

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