

# Pipeline Safety

Pipelines are the safest way to transport oil over long distances, and TransCanada is a North American energy transportation leader with an industry-leading safety record. From design and construction to operations and maintenance, safety is our top priority.

Our safety program begins before construction with the selection of high-quality materials and the use of best practice techniques to ensure the integrity of our pipelines. We require every weld made on our pipelines to be inspected by qualified independent inspectors. TransCanada is the only company in North America that regularly uses automated ultrasonic testing of our pipes to check for irregularities before they go into service.

We implement state-of-the-art leak detection systems, enhanced safety features and specialized staff trained on our oil pipelines to further protect our infrastructure, making us confident leaks would be quickly identified and responded to.

## Emergency Response Plan

In addition to safety programs, Energy East will have a comprehensive Emergency Response Plan (ERP) which will outline procedures to protect the public, the environment, emergency responders and property in the unlikely event of an emergency. Emergency Response Plans are typically developed at a later stage in the regulatory approvals process. However, as announced on April 2<sup>nd</sup>, 2015 TransCanada will be expediting the emergency response planning process before the guidelines set out by the NEB require us to do so.

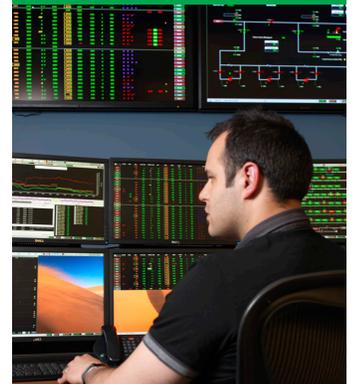
## Detecting Irregularities in the Pipeline During Operations

TransCanada's Operations Control Centre (OCC) is staffed 24 hours a day, seven days a week. Trained operators at the OCC manage the most sophisticated monitoring equipment available, providing them with the ability to respond to any potential emergency. From the time our sensors detect an irregularity, our operators have only moments to identify the anomaly. If a problem is detected, or there is any doubt, the pipe is shut down, stopping the flow of oil within minutes, and a team of local first responders is dispatched immediately.

## Local Officials and Emergency Management Services Involvement

TransCanada is responsible for planning and handling emergency response scenarios as well as costs associated with emergencies. However, we also work with local first responders to help them prepare for possible pipeline emergencies by providing free awareness training, actively engaging them during our emergency response field exercises to participate, and reviewing our emergency response plans as well as each other's roles and responsibilities during table top exercises. In addition, we manage responses using the Incident Command System (ICS) – a system widely used by first responders.

# Energy East Pipeline



## Contact us

We encourage your input and invite interested stakeholders to contact us.

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