

Community Link

Emergency Management and Response

Energy East Pipeline

Pipeline Safety



Niki Affleck attends an annual emergency exercise in Saskatchewan.

TransCanada has an industry-leading safety record for delivering energy safely and efficiently for over 60 years. Each year TransCanada spends an average of \$900 million on pipeline integrity, proactive inspection, and maintenance programs to ensure that our infrastructure systems perform optimally. This includes the implementation of state-of-the-art leak detection systems and elevated safety features.

Additionally, TransCanada is constantly striving to seek out or develop new ways to make the pipelines it operates even safer by undertaking an extensive range of research and development (R&D) projects including pipeline integrity and leak detection.

In fact, TransCanada spent more than \$38 million on R&D in 2014 alone. TransCanada regularly uses automated ultrasonic testing of its pipes to check for irregularities before they go into service.

TransCanada's pipelines are monitored 24 hours a day by a multitude of overlapping and redundant systems including a high-tech pipeline monitoring and control centre, ongoing ground inspections and maintenance by field staff, and aerial overflights. Beyond this, satellite technology sends data every five seconds from thousands of sensors along a pipeline that can detect very small changes in pressure, temperature, flow rate and other indicators that are used to detect signs of a possible leak.

If the data shows an unexpected drop in pressure, temperature or any other sign of anomaly, TransCanada's control centre specialists investigate the issue. If a solution is not quickly identified, the pipeline will be shut down, meaning the oil will stop flowing within minutes, and a local team will be dispatched to the site immediately.

As part of TransCanada's commitment to safety and emergency preparedness, the Energy East Emergency Management Team has been actively engaging with local stakeholders and first responders since the initial planning stages of the project in 2013. This engagement has included a number of activities such as participation in information sessions and at Open Houses, as well as technical meetings with first responders focused on pipeline safety and emergency preparedness.

Consultations will continue this year, and throughout the lifecycle of the pipeline.

Energy East and TransCanada look forward to providing you with more information in future Community Link publications.

Sincerely,

Niki Affleck,
Senior Emergency Management Specialist, TransCanada



Emergency Response Plan

Energy East will have an Emergency Response Plan (ERP) that meets or exceeds regulatory requirements. An ERP is a documented plan that describes procedures and resources employed to ensure the company can execute the safest and most efficient response to an emergency in order to protect and mitigate impacts to the public and local first responders, property and the environment. Some of the pre-identified procedures include how to activate an emergency response, which notifications need to be made and specific tactics used to mitigate impacts. Safety is our top priority. Always. That's why TransCanada

consults and collaborates with local first responders to develop the ERP and invites them to participate in regular exercises and training. By consulting with local first responders, we understand each other's roles and responsibilities, which will allow all of us to respond as quickly and efficiently as possible. In addition, the ERP will be an evergreen document, meaning the content will be reviewed and updated regularly by TransCanada and tested during training exercises.

Energy East's ERP will take into consideration environmental, cultural, historic and socio-economic sensitivities. Our approach is a multi-tiered response

structure. As we continue to develop our ERP, we will collaborate with all stakeholders to ensure all potential impacts are known and considered. Energy East will establish teams including an Incident Management Team that will manage a response, tactical responders comprised of company personnel, contractors, response agencies, and Regional and Corporate Emergency Operation Centres (EOC) to support response activities. Trained employees and contract responders will be on-call 24/7. Energy East would take full responsibility for emergency response and clean-up in the unlikely event of an incident on its pipeline system.



The Energy East team and local first responders collaborate as partners in pipeline safety and emergency response.

Frequently Asked Question

Question: How would TransCanada respond in the event of an emergency on the Energy East Pipeline?

Answer: TransCanada would execute its Energy East ERP. TransCanada has a comprehensive Emergency Response Plan (ERP) in place for every pipeline it operates. Both the existing Keystone and Canadian Mainline pipelines have response plans that will serve as the basis for Energy East's ERP, which is currently in development and will be fully developed once the route for the project has been finalized. ERPs are not typically developed until a project receives regulatory approval and any conditions or requirements for routing, safety and emergency response have been established by the National Energy Board (NEB). However, on Energy East we began the development of the ERP early and we have already started working collaboratively with regional first responders to develop plans tailored to local sensitivities. We will submit the ERP to the NEB well in advance of pipeline operation.

Personnel and equipment will be strategically located along the pipeline system, ready to respond quickly and safely. Emergencies are unlikely to happen, but TransCanada prepares for potential circumstances by developing Emergency Response Plans, training with our response partners, and having internal and external response resources in place. This is about doing what's right.

Contact us

→ If you have questions, need more information, would like to suggest a topic for future issues of this newsletter, or would like to unsubscribe please contact us by email or at the address below:

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