

Delivering energy responsibly.

Our business at-a-glance May 2019



Our purpose

Delivering the energy people need, every day. Safely. Responsibly. Collaboratively. With integrity.

Our vision

To be the leading energy infrastructure company in North America, focusing on pipeline and power generation opportunities where we have, or can develop, a significant competitive advantage.



Who we are

For over 65 years, TC Energy has proudly delivered the energy that millions of North Americans rely on to power their lives and fuel industry.

Guided by our values of safety, responsibility, collaboration and integrity, our more than 7,000 people are deeply rooted in their communities and ensure that we develop and operate our facilities safely, reliably and with minimal impact on the environment. We are committed to listening to our neighbours and working with all our stakeholders to develop better project plans and create long-term opportunities and economic benefits in the communities where we operate across Canada, the U.S. and Mexico.

In May 2019, we changed our name from TransCanada to TC Energy to better reflect the scope of our operations and to reinforce our position as a leading North American energy infrastructure company. Whether our stakeholders know us as TC Energy in English, TC Énergie in French, or TC Energía in Spanish, our neighbours, partners and investors can continue to count on us to follow through on our commitments and live up to our values in everything we do.

Natural gas pipelines

25% of North America's supply

Our 92,600-kilometre (57,500-mile) portfolio of natural gas pipelines transports more than 25 per cent of the daily North American production of abundant, low-cost, clean-burning natural gas. This pipeline network strategically connects growing supply in the most prolific and lowest cost basins on the continent to key markets across Canada, the U.S. and Mexico. We also operate the continent's largest natural gas storage business, with more than 650 billion cubic feet (Bcf) of regulated and unregulated storage capacity.

Liquids pipelines

2 billion+ barrels delivered safely

Our 4,900-kilometre (3,000-mile) liquids pipeline system connects growing continental oil supplies to key refinery markets in the U.S. Midwest and Gulf Coast, where it is converted into gasoline and other petroleum products we use every day. Our Keystone Pipeline System has long-term contracts to ship 555,000 barrels of crude oil per day (bbl/d) and delivers approximately 20 per cent of western Canadian production to U.S. markets.

Power generation

6 million homes powered

TC Energy owns or has interests in 11 power generation facilities with capacity of approximately 6,600 megawatts – enough to power more than 6 million homes. Nearly half of the power we provide is generated from an emission-less nuclear power facility and we are leaders in the development and operation of high-efficiency natural gas-fired and cogeneration power facilities.

Safety 24/7

Delivering energy safely is our top value.

Our goal is to ensure that the public, our employees and the environment aren't affected by an incident involving our assets. We are proud to have safety records that are among the best in the industry but we believe that no safety related incidents are acceptable and continue to work towards our goal of zero incidents. Parts of our company have achieved zero incidents for decades and we are focused on achieving that level of performance across every area in our organization.

Our commitment to safety isn't just a mantra – it's how we work 24/7, 365 days a year. By reinforcing a disciplined set of rules and providing rigorous training, we aim to ensure all of our employees and contractors make it home safely every day.

Investing in safety

\$1 billion+ invested in integrity

Our pipelines, oil and gas facilities and power plants are some of the most technologically advanced in the industry. One way we manage the safety of our assets is through integrity and preventative maintenance programs. We invested more than \$1 billion in these programs in 2018.

Prepared for emergencies

193 training exercises

Ensuring we are prepared for the unlikely event of an emergency is also part of our commitment to safety. By working with our communities through regular emergency drills and exercises, we build relationships with local first responders and community officials to achieve co-ordinated and effective response. In 2018 we completed 193 emergency drills and exercises.

A culture of safety

9 Life Saving Rules

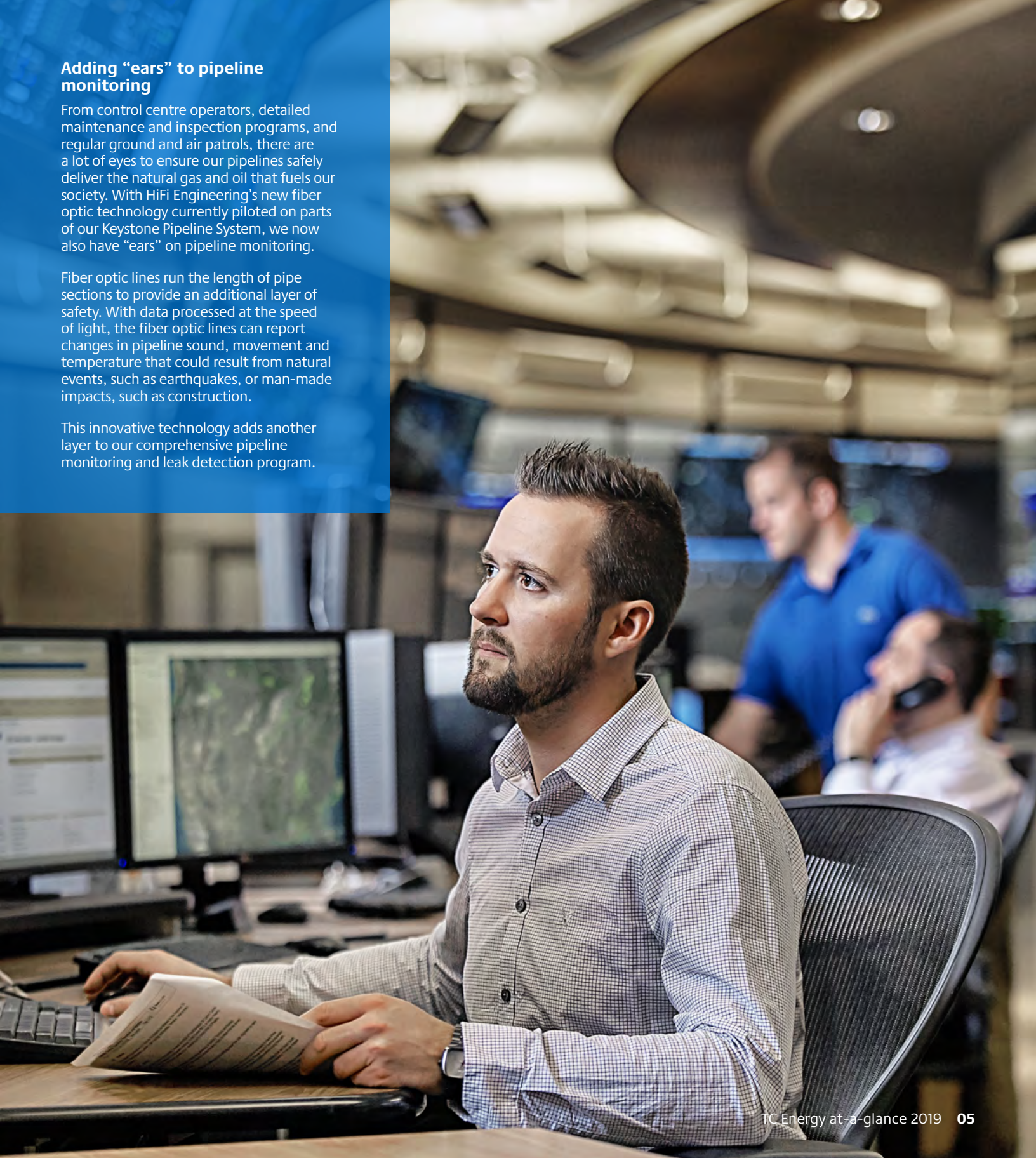
The Life Saving Rules guide the way our employees and contractors work, and help us hold each other accountable to the highest possible safety standards. They were created to highlight the high-risk activities that are part of the work we do every day and emphasize the importance of following measures we have in place to manage them.

Adding “ears” to pipeline monitoring

From control centre operators, detailed maintenance and inspection programs, and regular ground and air patrols, there are a lot of eyes to ensure our pipelines safely deliver the natural gas and oil that fuels our society. With HiFi Engineering’s new fiber optic technology currently piloted on parts of our Keystone Pipeline System, we now also have “ears” on pipeline monitoring.

Fiber optic lines run the length of pipe sections to provide an additional layer of safety. With data processed at the speed of light, the fiber optic lines can report changes in pipeline sound, movement and temperature that could result from natural events, such as earthquakes, or man-made impacts, such as construction.

This innovative technology adds another layer to our comprehensive pipeline monitoring and leak detection program.



A healthy environment

At TC Energy, we're committed to protecting the environment. Not just because we have to, but because we want to.

Whether it's designing, building or operating energy infrastructure, we are committed to being responsible environmental stewards on the land we share – and our strict environment principles of stewardship, protection and performance guide our decisions every day.

We respect the diversity of the landscapes where we operate and work to manage our environmental footprint while meeting the world's growing demand for reliable and affordable energy. That means we are always working to reduce our land disturbance, carbon intensity, energy consumption and water use throughout the entire life cycle of our assets.

We undertake field studies and consult with stakeholders, Indigenous groups and landowners to develop specific environmental protection plans on all our projects to ensure all natural resources are protected to maintain their natural function within the environment.

A sustainable energy system

47% power generated from emission-less sources

Nearly half of the electricity we generate is emission-less power from Bruce Power, which provides approximately one-third of Ontario's electricity supply. Our vast network of pipelines have played an important role in the replacement of coal-fired power generation with natural gas, which has resulted in significant greenhouse gas emissions reductions across our major markets.

Managing our footprint

100,000+ acres of land reclaimed

We believe that when we build an asset, we temporarily borrow the land. Once our projects are constructed, we reclaim the land to equivalent capability. We have successfully reclaimed thousands of acres of land throughout North America over the course of more than 65 years of operations.

Environmental partnerships

75+ initiatives in 2018

We partner with national and local organizations to help conserve natural habitats, protect species at-risk and promote the importance of a healthy environment throughout the communities where we live and work across North America.

Managing our environmental footprint

Our employees work hard every day to responsibly manage our environmental footprint – and we are leaders when it comes to developing and implementing new technologies and practices for pipeline water crossings, environmental reclamation and habitat restoration. Our promise is to always leave the land and waterways we cross in a condition equal to or better than we found it. We support like-minded organizations dedicated to protecting the environment, such as Trout Unlimited Canada (TUC), an organization we've partnered with for the last 20 years because of their proven track record of success in waterway restoration dating back to 1972.

Over the past two years, we have partnered with TUC on the Reconnecting Canada project, which aims to restore waterways to restore fish passage and water quality. As part of our partnership, employees recently volunteered at a fish rescue in Calgary, Alberta, helping to rescue over 3,000 fish from an irrigation canal.



Supporting students

Our scholarships program is one example of the long-term value we bring to the communities where we operate through our Build Strong community investment program. This year we are offering over 1,000 scholarships worth more than \$2 million to support post-secondary students across North America.

Marcel B. from Winnebago, Nebraska, was a recipient of an Indigenous Legacy Scholarship in 2018. He went back to school to study network administration and security.

For more information, visit [TCScholarships.com](https://www.tcscholarships.com).



An engaged community

Making sure stakeholders are meaningfully engaged and respected is critical to TC Energy's success.

The strength of these relationships has a direct impact on our ability to competitively build and operate our assets. Building relationships with local communities, Indigenous groups and landowners helps us understand our potential impacts on the community, mitigate adverse effects and seek opportunities for economic participation and community investments.

By engaging early with our stakeholders and listening, we create project plans with better outcomes for everyone involved. While we have built strong relationships with thousands of communities, backed by generations of co-operation and trust, we are also committed to earning public confidence from those communities we have not yet worked with.

Engaging with Indigenous groups

138 groups engaged
in 2018

We strive to build co-operative, mutually beneficial and lasting relationships as we seek to establish trust and respect through considerate engagement with Indigenous groups on whose traditional lands we work across North America.

Working with landowners

100,000 landowner
relationships

TC Energy builds, operates and maintains assets that last generations, so we approach our relationships with landowners who may be affected by our activities with the long term in mind. We are proud of the positive relationships we continue to build and maintain with close to 100,000 landowners and know that these relationships are critical to our success.

Community investment

\$22 million+ invested in 1,660+
non-profits
in 2018

With operations spanning Canada, the U.S. and Mexico, investing in and giving back to the communities where we operate are important parts of being a good neighbour, a trusted community partner and an employer of choice.

A thriving economy

TC Energy delivers more than just the energy that powers our lives and economies.

Our presence generates a number of direct and indirect economic benefits for the communities and governments where we operate. Our projects and facilities support thousands of jobs and create business opportunities for local suppliers. We pay millions of dollars in taxes that support essential government services such as schools, roads and hospitals.

Economic benefits of development

\$569 million annual local property taxes generated in 2018

Our economic benefits include cash and property tax payments that support essential government services, as well as investments in local non-profits and charitable organizations.

Indigenous suppliers

\$160 million+
in work for Indigenous businesses and individuals in 2018

TC Energy contributes to the social and economic well-being of communities that are adjacent to, or are potentially impacted by, our business. We endeavour to create opportunities for qualified diverse, Indigenous and local suppliers and individuals to benefit from our projects and operations.

Sundre Crossover pipeline

A successful project on our NGTL System that came into service in 2018 was one of our Alberta natural gas pipelines, Sundre Crossover pipeline. The 21-kilometre (13-mile) pipeline project created approximately 500 jobs, and over \$4 million was spent in the town of Sundre and surrounding areas during construction. The pipeline also generates more than \$180,000 in additional property taxes for the local county every year.

TC Energy today

May 2019

Natural gas pipeline

Liquids pipeline

In development/construction

Regulated natural gas storage

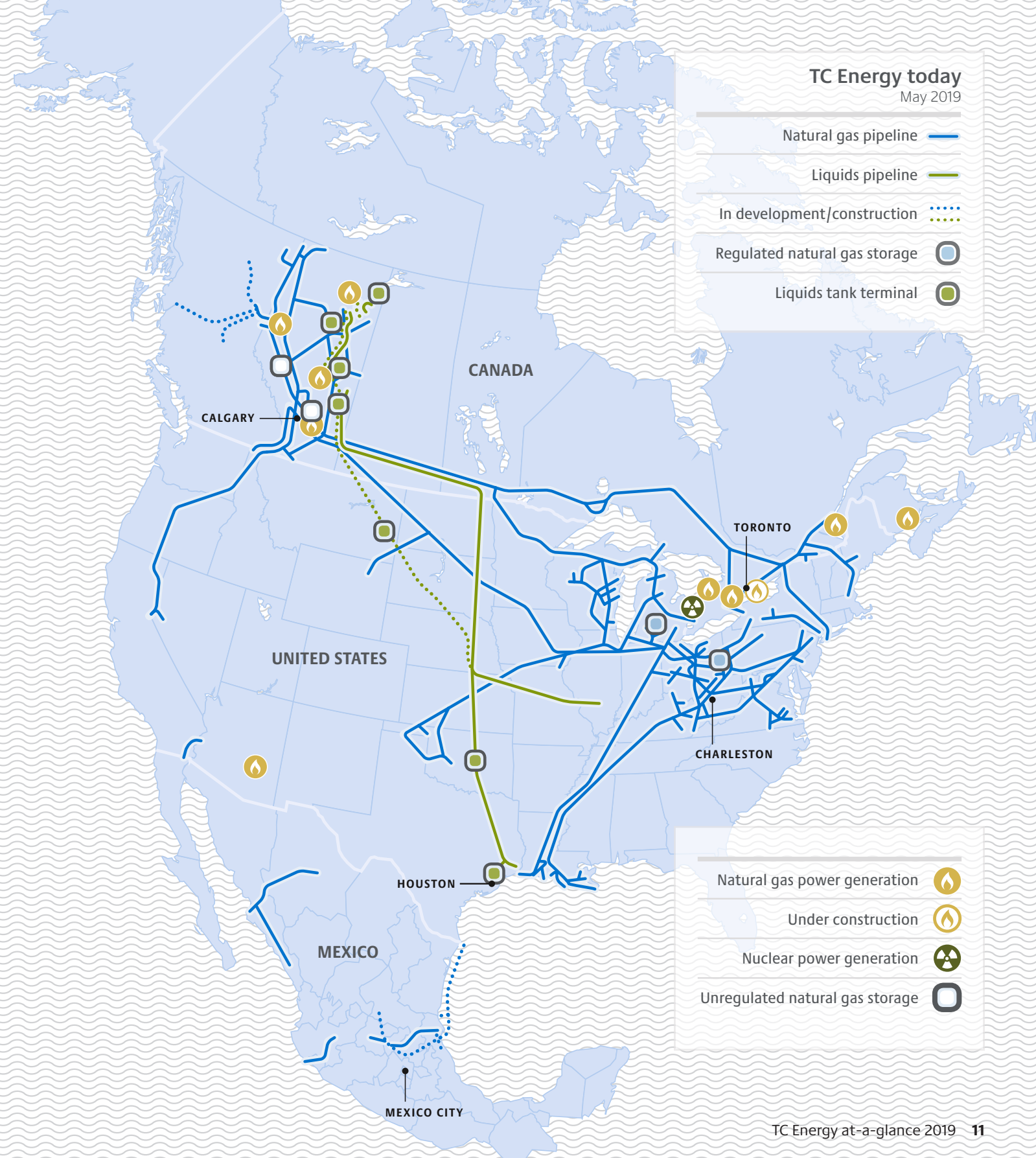
Liquids tank terminal

Natural gas power generation

Under construction

Nuclear power generation

Unregulated natural gas storage



We'd like to hear from you

As stakeholders in TC Energy's business and participants in the energy discussion, we invite you to tell us what you think about our corporate responsibility performance and how we can improve.

Email us at communications@transcanada.com

TC Energy welcomes questions from shareholders and investors. Email Investor Relations at investor_relations@transcanada.com

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