Our strategic vision remains clear: to be the leading energy infrastructure company in North America, focusing on pipeline and power generation opportunities in regions where we have, or can develop, a significant competitive advantage.

SUSTAINABLE DEVELOPMENT FOR LONG-TERM SUCCESS

Energy – it is essential to our modern way of life, and the world’s appetite for affordable energy supplies continues to grow.

At the same time, there is growing demand to transition to a lower-carbon future fueled by cleaner energy alternatives such as natural gas, nuclear and renewable sources.

We are proud to have played an active role in delivering the energy to meet this growing demand for more than 65 years, but we recognize that the energy environment in which we operate is increasingly complex.

We are well positioned for continued growth and long-term success because of our commitment to operating sustainably.

It is this commitment that will help us build the new and improved infrastructure required to meet the growing global need for affordable energy, delivered safely, responsibly and reliably.
QUICK FACTS

NATURAL GAS PIPELINES

90,300 kilometres
(56,100 MILES)

664 billion cubic feet
OF GAS STORAGE CAPACITY,
LARGEST PROVIDER
IN NORTH AMERICA

ENERGY

17
POWER GENERATION FACILITIES
10,500 MEGAWATTS

LIQUIDS PIPELINES

4,300 kilometres
(2,700 MILES)

1.3 billion barrels
KEYSTONE PIPELINE SYSTEM HAS
SAFELY DELIVERED MORE THAN
1.3 BILLION BARRELS OF OIL

PEOPLE AND PLACES

7,704
EMPLOYEES LOCATED ACROSS
NORTH AMERICA

ABOUT TRANSCANADA

For over 65 years, TransCanada has proudly
operated the pipelines and power generation facilities
that support a high standard of living for North
Americans. Our facilities operate quietly, safely and
reliably, while our more than 7,700 employees play an
active part in the communities where they live
in Canada, the U.S. and Mexico.

This publication contains forward-looking information including statements regarding dividend
growth and expected in-service dates. For more information on forward-looking information, the
assumptions made, and the risks and uncertainties which could cause actual results to differ from
the anticipated results refer to TransCanada’s 2015 Annual Report and the most recent Quarterly
Report to Shareholders filed with Canadian securities regulators and the U.S. Securities and Exchange
Commission and available at TransCanada.com.
OUR BUSINESS AREAS

TransCanada remains a leader in each of our three core businesses. Our businesses give us both investment diversity and important geographic overlap resulting in shared technical, stakeholder and operating expertise.

NATURAL GAS PIPELINES

Our 90,300-kilometre (56,100 mile) network of natural gas pipelines supplies 25 per cent of the natural gas consumed daily across North America to heat and cool homes, run industries and generate power. This pipeline network strategically connects growing supply to key markets across our three operating geographies of Canada, the U.S. and Mexico. We also own and operate 664 billion cubic feet of natural gas storage capacity.

ENERGY

TransCanada owns or has interests in 17 power generation facilities with a capacity of 10,500 megawatts (MW) – enough to power more than 10 million homes. Over one-third of the power we provide is generated from emission-less sources including nuclear, hydro, wind and solar.

LIQUIDS PIPELINES

Our 4,300-kilometre (2,700 mile) Keystone Pipeline System transports approximately 20 per cent of western Canadian crude oil exports to key refineries in the U.S. Midwest and Gulf Coast, where it is converted into fuel and other useful petroleum products. Since it began operation in June 2010, Keystone has safely transported more than 1.3 billion barrels of crude oil from Canada to U.S. markets.
### OUR GROWTH PLAN HIGHLIGHTS

TransCanada’s **asset base** continues to perform well and generate maximum value for shareholders. With our proven financial strength, we expect to grow our common share dividend at an average annual rate of eight to 10 per cent through 2020. We also continue to grow our portfolio of commercially secure investment opportunities, which has the potential to create significant additional shareholder value. Here are a few highlights from our growth plan:

**$25 billion** in near-term growth projects, including:

- **US$7.3 billion** in Columbia Pipeline Group growth initiatives and modernization investments
- **$5.4 billion** in system improvements and expansions to the NGTL system
- **$1 billion** natural gas-fired Napanee Generating Station coming into service in late 2018

**$45 billion** in commercially secured, medium to longer-term projects, including:

- **Five natural gas pipelines in Mexico totaling US$3.8 billion** – Topolobampo, Mazatlan, Tuxpan-Tula, Tula-Villa de Reyes and Sur de Texas-Tuxpan pipeline projects
- **$900 million** Grand Rapids (phase 1) and **$1 billion** Northern Courier liquids pipeline systems expected to be in service in 2017
- **$15.7 billion** Energy East Pipeline project to transport crude oil from Western Canada to Eastern Canada, providing access to tidewater
- **$9.8 billion** investment in Coastal GasLink and Prince Rupert Gas Transmission pipeline projects to serve emerging liquefied natural gas export industry in B.C.
- **$6.5 billion** refurbishment of Bruce Power reactors to extend operating life of nuclear facility to 2064
At TransCanada, we are committed to working collaboratively with our stakeholders and ensuring they are engaged and respected throughout the lifecycle of all our projects.

CORPORATE SOCIAL RESPONSIBILITY

Corporate Social Responsibility is our commitment to operating in an economically, socially and environmentally sustainable manner, while recognizing the interests of our stakeholders.

We look at Corporate Social Responsibility not as a facet of our business, but as a reflection of the way we conduct our business and an expression of our core values of integrity, responsibility, collaboration and innovation.

DOING THE RIGHT THING

We know that the long-term success of our business depends on our ability to balance safety, profitability and social and environmental responsibility. For over 65 years, we have considered every business decision in terms of our ability to achieve top performance in all of those areas.

In 2015, we continued to receive recognition of our accomplishments from third-party investment rating agencies, but we haven’t stopped examining our own efforts, setting targets and continually striving for improvement in everything we do.
WHAT MATTERS
The growing global demand for energy has generated discussion around how we access the important resources we rely upon. As a leading energy infrastructure company, TransCanada is taking a proactive approach to the dialogue, understanding this complex issue requires balanced consideration of safety, economic, environmental and social performance.
GUIDED BY OUR PRIORITIES

SAFETY 24/7

Getting it right is more important than ever when it comes to safety, minimizing environmental impact and taking care of our employees.

So even though we have a top industry safety record, we believe every incident is preventable and strive for zero safety incidents. That’s why in 2015, we invested $1.5 billion in asset integrity and preventative maintenance programs.

We also invested more than $45 million in research and development and formed joint industry partnerships to conduct research on the latest technologies and improve industry-wide standards.

That being said, ensuring we’re all prepared in the unlikely event of an incident is part of our commitment to safety. To achieve this goal, TransCanada worked with local and public agencies to complete more than 125 emergency drills and exercises across our network of assets in 2015.

ECONOMIC SUCCESS

In 2015, our assets produced record cash flow of $4.5 billion. And looking forward, we expect our common share dividend to continue to grow at an average annual rate of eight to 10 per cent through 2020. Since 2000, the average annual total shareholder return has been an impressive 15 per cent.

We are proud of the successes achieved by our business. And we are also pleased that the communities where we operate benefit from the economic success of our operations.

In 2015, we paid $162 million in cash taxes and $517 million in property taxes to communities across North America. These taxes are used by communities to pay for schools, roads, hospitals and more. We also employ local staff, contributing jobs to the local economy.
PROTECTING THE ENVIRONMENT

Our ongoing goal is to responsibly manage and minimize our environmental footprint in everything that we do. 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.

One way we do this is by conducting environmental and socio-economic impact assessments for every project.

We also continually strive to be innovators by investing time, money and effort into developing new environmentally beneficial technologies through our extensive R&D program – one of the industry’s largest programs.

Meanwhile, as leaders in the development of a balanced and sustainable energy future, we have invested more than $5 billion in emission-less energy sources – including nuclear, wind, hydro and solar – accounting for over one-third of the power we produce.

SUPPORTING COMMUNITIES

Collaboration helps us positively contribute to the communities where we live and operate in a meaningful way. By seeking valuable input from our stakeholders and Indigenous communities, we are able to create better project plans for us and our communities.

Another way we respond to our stakeholders’ needs is by considering the things we’ve been told will help their communities the most. In 2015, TransCanada invested $14.7 million in more than 1,400 non-profit organizations. We also generated nearly $168 million in work for Indigenous businesses or their joint-venture partners in Canada and the U.S. in 2015 for goods, contract services and employment on TransCanada projects and operations.

And despite economically challenging times, in 2015, our employees donated more than $2.57 million and registered 9,151 volunteer hours to the causes they care about through our employee giving and volunteering program.
## Natural Gas Pipelines
### Canadian Pipelines
1. NGTL System
2. Canadian Mainline
3. Foothills
4. Trans Québec & Maritimes (TQM)

### U.S. Pipelines
5. ANR Pipeline
6. Bison
7. Gas Transmission Northwest (GTN)
8. Great Lakes
9. Iroquois
10. North Baja
11. Northern Border
12. Portland
13. Tuscarora
14. Columbia Gas Transmission
14a. Columbia Regulated Natural Gas Storage
15. Columbia Gulf Transmission
16. Crossroads Pipeline
17. Millennium Pipeline

### Mexican Pipelines
18. Guadalajara
19. Tamazunchale

### Under Construction
20. Mazatlan Pipeline
21. Topolobampo Pipeline
22. Tuxpan-Tula Pipeline
23. Tula - Villa de Reyes
24. Sur de Texas

### In Development
25. Coastal GasLink
26. Prince Rupert Gas Transmission
27. North Montney Mainline
28. Merrick Mainline
29. Eastern Mainline

## Liquids Pipelines
### Canadian / U.S. Pipelines
30. Keystone Pipeline System
31. Cushing Marketlink and Terminal

### Under Construction
32. Houston Lateral
33. Houston Terminal
34. Grand Rapids Pipeline
35. Northern Courier Pipeline

### In Development
36. Bakken Marketlink
37. Keystone Hardisty Terminal
38. Keystone XL
39. Heartland Pipeline
40. TC Terminals
41. Energy East Pipeline
42. Upland Pipeline

## Energy
### Canadian - Western Power
43. Bear Creek
44. Carseland
45. Coolidge
46. Mackay River
47. Redwater

### Canadian - Eastern Power
48. Bécancour
49. Cartier Wind
50. Grandview
51. Halton Hills
52. Portlands Energy
53. Ontario Solar (8 Facilities)

### Bruce Power
54. Bruce

### U.S. Power
55. Kibby Wind
56. Ocean State Power
57. Ravenswood
58. TC Hydro
59. Ironwood

### Unregulated Natural Gas Storage
60. CrossAlta
61. Edson

### Under Construction
62. Napanee

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1. Located in Arizona, results reported in Canadian – Western Power
A RECOGNIZED LEADER

Here are some of the ways we were recognized by third-party investment rating agencies in 2015 and 2016 for excellence in balancing safety, profitability and social and environmental responsibility:

Achieved gold class distinction in RobecoSAM’s Sustainability Yearbook 2016.

Earned rankings on DJSI North America and World Indices.

Named to Climate Disclosure Leadership Index by CDP with score of 99B.

Named to Corporate Knights’ list of Best 50 Corporate Citizens in Canada.

Received American Petroleum Institute’s 2015 Pipeline Environmental Performance Award for large operators.

Named to Canada’s Top 100 Corporate R&D Spenders List by Research Infosource.

Recognized by Institute of Asset Management with award for building robust operational risk management framework.

Received Gold Safety Days Away Restricted Absence Award from Liberty Mutual.

Honoured by office of U.S. Department of Defense with award for strong military support.

On the cover: ANR Pipeline’s Blue Lake compressor station in Michigan is part of TransCanada’s natural gas storage and pipelines network, which supplies 25 per cent of the natural gas consumed daily across North America.

Please visit csrreport.transcanada.com to learn more about our corporate social responsibility practices or visit transcanada.com for more details about our business.

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