



**CIBC 2018 Whistler Institutional Investor Conference  
January 25, 2018**

**Russ Girling, President & CEO**



## Forward Looking Information and Non-GAAP Measures

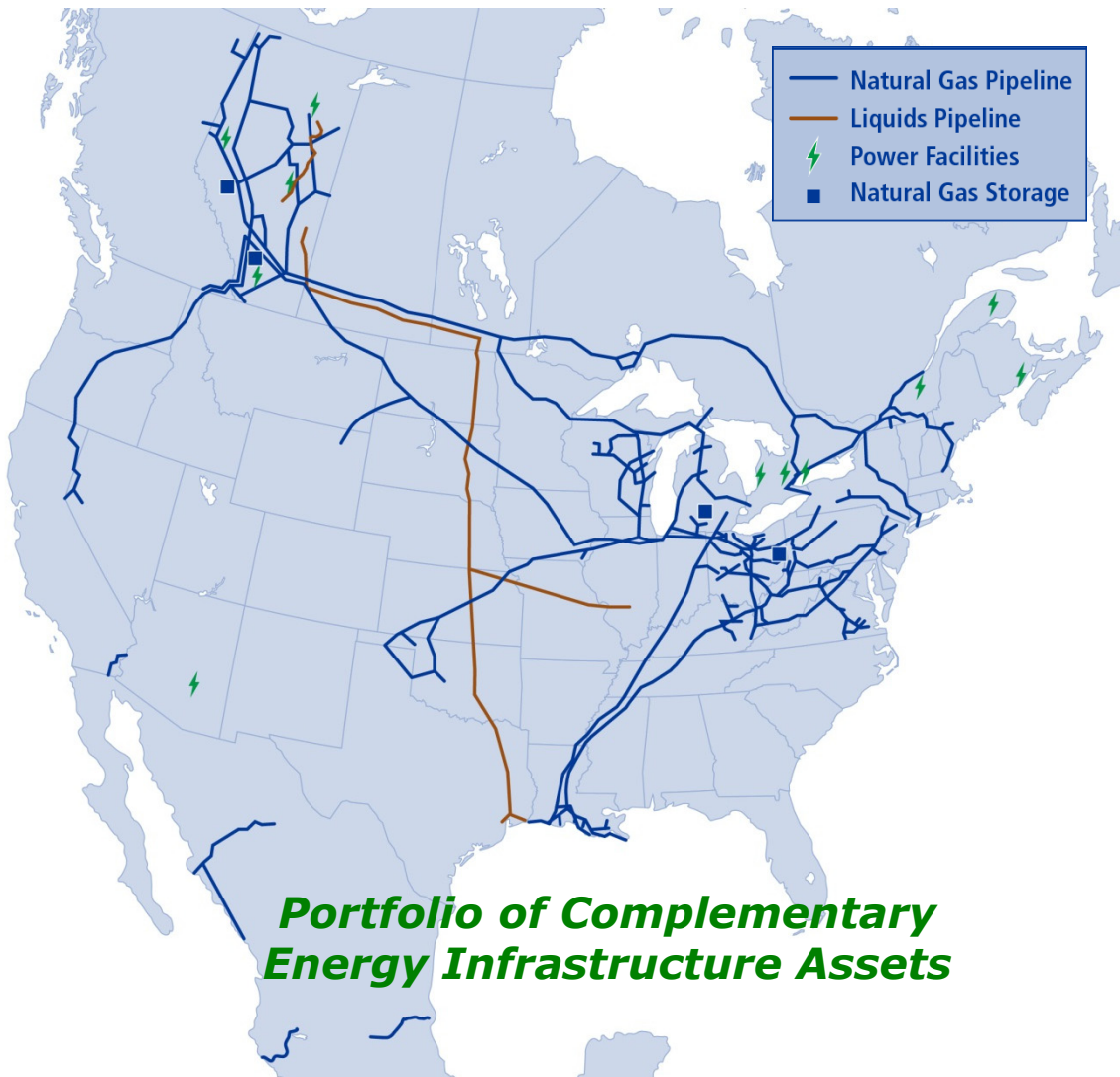
This presentation includes certain forward looking information, including future oriented financial information or financial outlook, which is intended to help current and potential investors understand management's assessment of our future plans and financial outlook, and our future prospects overall. Statements that are forward-looking are based on certain assumptions and on what we know and expect today and generally include words like anticipate, expect, believe, may, will, should, estimate or other similar words.

Forward-looking statements do not guarantee future performance. Actual events and results could be significantly different because of assumptions, risks or uncertainties related to our business or events that happen after the date of this presentation. Our forward-looking information in this presentation includes statements related to: future dividend growth and the future growth of our core businesses.

Our forward looking information is based on certain key assumptions and is subject to risks and uncertainties, including but not limited to: our ability to successfully implement our strategic initiatives and whether they will yield the expected benefits, the operating performance of our pipeline and energy assets, economic and competitive conditions in North America and globally, the availability, demand for and price of energy commodities and changes in market commodity prices, the amount of capacity sold and rates achieved in our pipeline businesses, the amount of capacity payments and revenues we receive from our energy business, regulatory decisions and outcomes, outcomes of legal proceedings, including arbitration and insurance claims, performance and credit risk of our counterparties, changes in the political environment, changes in environmental and other laws and regulations, construction and completion of capital projects, labour, equipment and material costs, access to capital markets, interest, inflation, tax and foreign exchange rates, weather, cyber security and technological developments. You can read more about these risks and others in our November 8, 2017 Quarterly Report to Shareholders and 2016 Annual Report filed with Canadian securities regulators and the SEC and available at [www.transcanada.com](http://www.transcanada.com).

As actual results could vary significantly from the forward-looking information, you should not put undue reliance on forward-looking information and should not use future-oriented information or financial outlooks for anything other than their intended purpose. We do not update our forward-looking statements due to new information or future events, unless we are required to by law.

This presentation contains reference to certain financial measures (non-GAAP measures) that do not have any standardized meaning as prescribed by U.S. generally accepted accounting principles (GAAP) and therefore may not be comparable to similar measures presented by other entities. These non-GAAP measures may include Comparable Earnings, Comparable Earnings per Share, Comparable Earnings Before Interest, Taxes, Depreciation and Amortization (Comparable EBITDA), Funds Generated from Operations, Comparable Funds Generated from Operations, Comparable Distributable Cash Flow (DCF) and Comparable DCF per share. Reconciliations to the most closely related GAAP measures are included in this presentation and in our November 8, 2017 Quarterly Report to Shareholders filed with Canadian securities regulators and the SEC and available at [www.transcanada.com](http://www.transcanada.com).



## TransCanada Today

- **One of North America's Largest Natural Gas Pipeline Networks**
  - 91,500 km (56,900 mi) of pipeline
  - 653 Bcf of storage capacity
  - 23 Bcf/d; ~25% of continental demand
- **Premier Liquids Pipeline System**
  - 4,800 km (3,000 mi) of pipeline
  - 555,000 bbl/d Keystone System transports ~20% of Western Canadian exports
- **One of the Largest Private Sector Power Generators in Canada**
  - 11 power plants, 6,100 MW
  - Primarily long-term contracted assets
- **Enterprise Value Over \$100 billion**

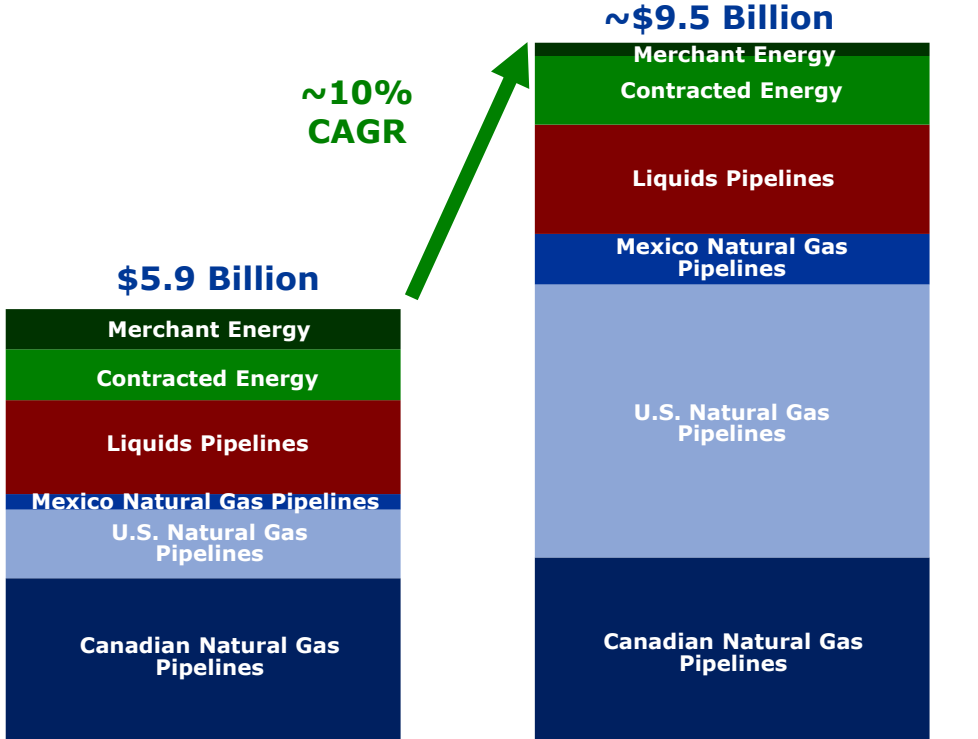
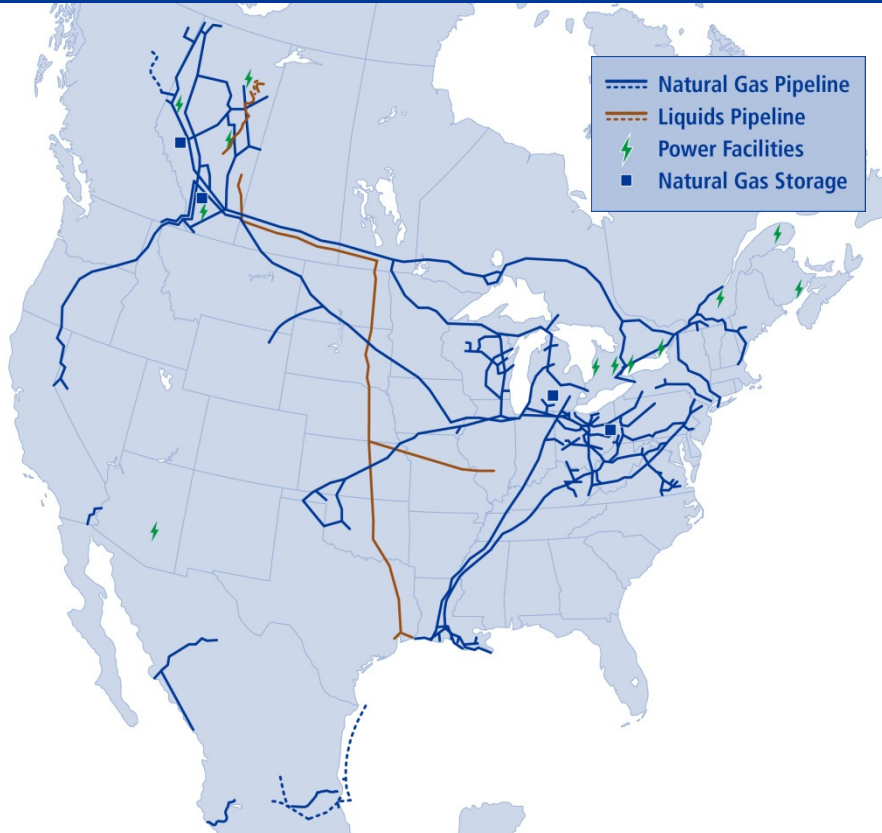
# Advancing \$24 Billion Near-Term Capital Program



Project	Estimated Capital Cost*	Invested to Date	Expected In-Service Date*
<b>Northern Courier</b>	<b>1.0</b>	<b>1.0</b>	<b>In-Service</b>
Rayne XPress	US 0.4	US 0.4	In-Service
Gibraltar	US 0.3	US 0.2	In-Service
Modernization I	US 0.2	US 0.2	2017
NGTL System	2.3	1.5	2017
Canadian Mainline	0.5	0.2	2017-2019
NGTL System	4.8	0.5	2018-2021+
Leach XPress	US 1.6	US 1.3	2018
WB XPress	US 0.8	US 0.3	2018
Mountaineer XPress	US 2.6	US 0.4	2018
Cameron Access	US 0.3	US 0.2	2018
Gulf XPress	US 0.6	US 0.2	2018
Tula	US 0.6	US 0.5	2018
Villa de Reyes	US 0.6	US 0.4	2018
Sur de Texas	US 1.3	US 0.7	2018
<b>White Spruce</b>	<b>0.2</b>	-	<b>2018</b>
<b>Napanee</b>	<b>1.1</b>	<b>0.9</b>	<b>2018</b>
Modernization II	US 1.1	US 0.1	2018-2020
Buckeye XPress	US 0.2	-	2020
Other U.S. Gas	US 0.4	US 0.1	2017-2020
<b>Bruce Power Life Extension</b>	<b>1.0</b>	<b>0.2</b>	<b>Up to 2020+</b>
<b>Foreign Exchange Impact (1.25 exchange rate)</b>	<b>2.8</b>	<b>1.2</b>	-
<b>Total Canadian Equivalent</b>	<b>24.7</b>	<b>10.5</b>	

\* TransCanada share in billions of dollars. Certain projects are subject to various conditions including corporate and regulatory approvals.

# Columbia Acquisition & Near-term Capital Program Drive Significant Growth



**Over 95% of Comparable EBITDA to come from Regulated or Long-term Contracted Assets**

*\*Comparable EBITDA is a non-GAAP measure. See the non-GAAP measures slide at the front of this presentation for more information.*

## Funding Program Through 2020

\$Billions

30

25

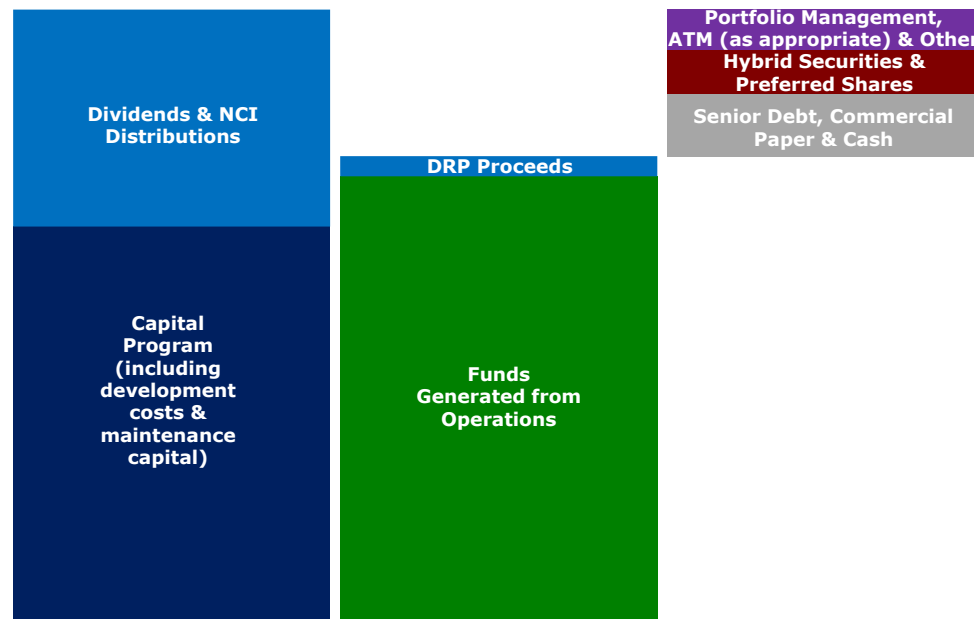
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### 2018 – 2020 Outlook

#### Numerous Levers Available to Fund Near-Term Capital Program

- Strong, predictable and growing cash flow from operations
- Dividend Reinvestment Plan
- Access to capital markets including:
  - Senior debt
  - Hybrid securities and preferred shares
- Portfolio management including possible dropdowns to TC PipeLines, LP
- Potential further project recoveries
- At-The-Market (ATM) program, as appropriate

**Funding Program Manageable**

**Completion of \$24 Billion Near-Term Capital Program Does Not Require Discrete Equity**

## Visibility to Growth Beyond 2020

### Natural Gas Pipelines

- NGTL/Columbia/Mexico expansions (assets that will produce recurring growth opportunities)
- Coastal GasLink (~\$4.8 billion)

### Liquids Pipelines

- Keystone XL (~US\$8 billion)
- Keystone XL could facilitate further development:
  - Grand Rapids Phase II
  - Heartland Pipeline
  - Keystone Hardisty Terminal

### Energy

- Bruce Power Life Extension (~\$5.3 billion\*)
- Pursue growth in contracted power

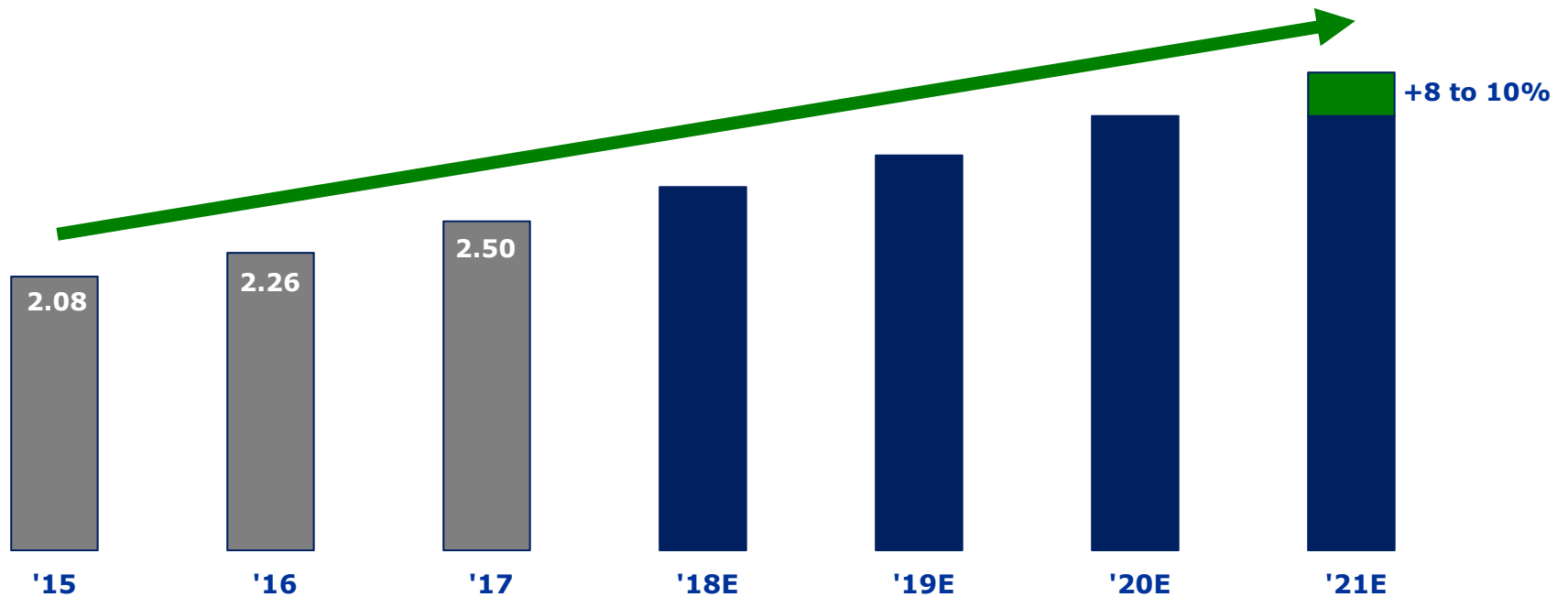
**Over \$20 Billion of Future Growth Opportunities**



*\*TransCanada share in billions of dollars; Bruce Power in 2014 dollars. Certain projects are subject to various conditions including corporate and regulatory approvals.*

## Dividend Growth Outlook Through 2021

**Annual Growth at the Upper End of 8 to 10 Percent Expected to End of Decade  
Further 8 to 10 Percent Growth Anticipated in 2021**



***Supported by Expected Growth in Earnings and Cash Flow  
and Continued Strong Coverage Ratios***



## Key Takeaways

# Track Record of Delivering Long-Term Shareholder Value

*14% average annual return since 2000*

### Visible Growth Portfolio

*\$24 billion to 2020  
Additional opportunity set includes over \$20 billion of medium to longer-term projects*

### Attractive, Growing Dividend

*4.1% yield  
8-10% expected CAGR through 2021*

### Strong Financial Position

*'A' grade credit rating  
Numerous levers available to fund future growth*

**Performance Highlights Diversified, Low Risk Business Strategy**



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