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 priorities and whether they will yield the expected benefits, the operating performance of our pipeline and energy assets, amount of capacity sold and rates achieved in our pipeline businesses, the availability and price of energy commodities, the amount of capacity payments and revenues from our energy business, regulatory decisions and outcomes, including those related to recent FERC policy changes, outcomes of legal proceedings, including arbitration and insurance claims, performance and credit risk of our counterparties, changes in market commodity prices, changes in the regulatory environment, changes in the political environment, changes in environmental and other laws and regulations, competitive factors in the pipeline and energy sectors, construction and completion of capital projects, costs for labour, equipment and materials, access to capital markets, including the economic benefit of asset drop downs to TC PipeLines, LP, interest, tax and foreign exchange rates, including the impact of U.S. Tax Reform, weather, cyber security, technological developments, economic conditions in North America as well as globally. You can read more about these risks and others in our April 26, 2018 Quarterly Report to Shareholders and 2017 Annual Report filed with Canadian securities regulators and the SEC and available at 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 Common 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 Common Share. Reconciliations to the most closely related GAAP measures are included in this presentation and in our April 26, 2018 Quarterly Report to Shareholders filed with Canadian securities regulators and the SEC and available at www.transcanada.com.
Agenda

Welcome and Safety Moment
Bill Fonda

TransCanada and Organizational Update
Jas Bertovic

Market Fundamentals
Lonnie Lozano

Business Development
Eric Miller

Operations Update
Loren Charbonneau

Regulatory Review
John Roscher

NGTL & Foothills Pipelines Update
Ashley Stowkowy

Break

Guest Speaker
Dennis Gartman

Closing and Adjourn
Bill Fonda
Welcome / Safety Moment

Bill Fonda
Floods, fires, out-of-place weather – the U.S. recently has experienced all types of unusual events. To keep you and your family safe during inclement weather:

- **Have a Plan**
  - For different weather scenarios
  - Practice the plan – each family member should know their role
  - Have a muster point

- **Have appropriate supplies**
  - Have enough for your family for at least one week without electricity
  - Be prepared to purify water and have a gallon a day per person (more in heat)
  - Have a “go-bag” ready with items for the most common weather in your area

- **Monitor**
  - If extreme weather is predicted, monitor throughout the danger period
  - Also monitor your family members and know where they are
  - If it’s expected to be severe, stick together – don’t separate

- **Follow Instructions**
  - Listen to officials and do what is asked – don’t jeopardize first responders
  - If conditions differ from their scenario, don’t follow blindly. Protect yourself

- **Help yourself and neighbors**
  - Do what you can but don’t become a dead first responder
  - Use common sense
TransCanada TransFormation

2000

Total Assets* = $20 billion
Capital Program* = $0.5 billion

2019

Total Assets* = $94 billion
Capital Program* = $36 billion

*CAD$
TransCanada Today

- One of North America’s Largest Natural Gas Pipeline Networks
  - 57,100 miles of pipeline
  - 653 Bcf of storage capacity
  - ~25% of continental demand

- Premier Liquids Pipeline System
  - 3,000 miles of pipeline
  - 590,000 bbl/d Keystone System transports

- One of the Largest Private Sector Power Generators in Canada
  - ~20% of Western Canadian exports
  - 11 power plants, 6,600 MW
  - Primarily long-term contracted assets

- Enterprise Value ~$100 billion*

*CAD$
## Near-term Capital Growth

<table>
<thead>
<tr>
<th>Year</th>
<th>Project</th>
<th>Cost (billion $)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018</td>
<td>Mountaineer Xpress</td>
<td>$3.2</td>
</tr>
<tr>
<td>2019</td>
<td>Villa de Reyes</td>
<td>$0.8</td>
</tr>
<tr>
<td>2020</td>
<td>Mod II</td>
<td>$1.1</td>
</tr>
<tr>
<td>2021</td>
<td>Buckeye XPress/Other</td>
<td>$0.5</td>
</tr>
<tr>
<td>2022</td>
<td>Grand Cheniere XPress</td>
<td>$0.2</td>
</tr>
<tr>
<td>2023</td>
<td>Coastal GasLink</td>
<td>$6.2</td>
</tr>
<tr>
<td><em>2018</em></td>
<td>White Spruce</td>
<td>$0.2</td>
</tr>
<tr>
<td></td>
<td>Sur de Texas</td>
<td>$1.4</td>
</tr>
<tr>
<td>2020</td>
<td>NGTL System</td>
<td>$0.6</td>
</tr>
<tr>
<td>2021</td>
<td>NGTL System</td>
<td>$2.8</td>
</tr>
<tr>
<td>2022</td>
<td>NGTL System</td>
<td>$2.5</td>
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<tr>
<td>2023</td>
<td>NGTL System</td>
<td>$1.5</td>
</tr>
<tr>
<td>2023</td>
<td>Canadian Mainline</td>
<td>$0.2</td>
</tr>
<tr>
<td>2023</td>
<td>Bruce Power</td>
<td>$2.2</td>
</tr>
</tbody>
</table>

*Note: Projects marked with an asterisk are assumed to continue into subsequent years.*
World Energy Demand Growing

2018 by Source
599 Quadrillion BTUs

- 200 Quads (33%)
- 161 Quads (27%)
- 131 Quads (22%)
- 79 Quads (13%)
- 28 Quads (5%)

Source: EIA Energy Outlook 2018
World Energy Demand Growing

2018 by Source
599 Quadrillion BTUs
- Nuclear: 79 Quads (13%)
- Renewable: 200 Quads (33%)
- Oil: 161 Quads (27%)
- Coal: 131 Quads (22%)
- Gas: 28 Quads (5%)

2040 by Source
739 Quadrillion BTUs
- Nuclear: 129 Quads (17%)
- Renewable: 229 Quads (31%)
- Oil: 182 Quads (25%)
- Coal: 161 Quads (22%)
- Gas: 38 Quads (5%)

63% Increase

Source: EIA Energy Outlook 2018
U.S. Gas Demand Grows at Reduced Rate

2018 by Source
100 Quadrillion BTUs

- 40 Quads (40%)
- 30 Quads (30%)
- 13 Quads (13%)
- 8 Quads (8%)
- 9 Quads (9%)

Source: EIA Energy Outlook 2018
U.S. Gas Demand Grows at Reduced Rate

2018 by Source
100 Quadrillion BTUs

- 9 Quads (9%)
- 8 Quads (8%)
- 13 Quads (13%)
- 30 Quads (30%)
- 40 Quads (40%)

2040 by Source
103 Quadrillion BTUs

- 7 Quads (7%)
- 11 Quads (10%)
- 35 Quads (34%)
- 37 Quads (36%)
- 13 Quads (13%)

44% Increase
17% Increase

Source: EIA Energy Outlook 2018
TransCanada Ready

1. LNG
2. Localized Organic Demand
3. Supply Push
- Major natural gas transportation system that links the Midwestern U.S. with reserves in the Western Canadian Sedimentary Basin and Bakken Shale Formation
- Approximately 1,250 miles in length
- Design capacity of approximately 2,400 million cubic feet per day (MMcf/d)
- Largest interconnects with Northern Natural, Chicago area LDC’s and Interstate Pipelines
Interconnect Update

2019: 400-MMcf/d of new Bakken supply on NBPL
2020: 245-MMcf/d of new supply

<table>
<thead>
<tr>
<th>Bakken Interconnects</th>
<th>'18 Mar Rec.</th>
<th>'19 Mar Rec.</th>
<th>Meter Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stateline</td>
<td>145</td>
<td>153</td>
<td>200</td>
</tr>
<tr>
<td>Squaw Creek</td>
<td>68</td>
<td>86</td>
<td>90</td>
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<td>Charbonneau</td>
<td>83</td>
<td>126</td>
<td>151</td>
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<tr>
<td>Rawson</td>
<td>186</td>
<td>186</td>
<td>282</td>
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<td>Hay Butte</td>
<td>3</td>
<td>7</td>
<td>50</td>
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<td>Spring Creek</td>
<td>424</td>
<td>523</td>
<td>600</td>
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<tr>
<td>Watford City</td>
<td>46</td>
<td>58</td>
<td>71</td>
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<td>Little Missouri</td>
<td>70</td>
<td>91</td>
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<td>Alexander</td>
<td>23</td>
<td>20</td>
<td>90</td>
</tr>
<tr>
<td>Roosevelt</td>
<td>30</td>
<td>43</td>
<td>50</td>
</tr>
<tr>
<td>Killdeer</td>
<td>75</td>
<td>88</td>
<td>98</td>
</tr>
<tr>
<td>Glen Ullin</td>
<td>11</td>
<td>18</td>
<td>130</td>
</tr>
<tr>
<td><strong>Total Bakken</strong></td>
<td><strong>1,164</strong></td>
<td><strong>1,398</strong></td>
<td><strong>1,907</strong></td>
</tr>
</tbody>
</table>

Northern Border (mmfc)

2019: 400-MMcf/d of new Bakken supply on NBPL
2020: 245-MMcf/d of new supply
NBPL Supply Mix – Bakken vs. PoM Receipts
Bakken Activity and Production

Source: DI Desktop, EIA and Baker Hughes (production is 8/8th’s wellhead)
North Dakota Bakken Processing Capacity

Source: North Dakota Pipeline Authority and various industry websites
North Dakota Flaring

Gas Capture goals:
- 88% November 1, 2018 through October 31, 2020
- 91% beginning November 1, 2020

Source: ND Department of Mineral Resources
Midwest Demand

Bar chart showing demand in units of Bcf/d across different years (S 14 to W 24/25) for Industrial, Power, Residential, Commercial, Other, and Transport sectors.
Port of Morgan to Chicago (S) / Ventura (W)

<table>
<thead>
<tr>
<th>Season</th>
<th>Months</th>
<th>Rates</th>
<th>Rates</th>
<th>Rates</th>
<th>Rates</th>
<th>Rates</th>
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<tr>
<td>Summer</td>
<td>$0.20</td>
<td>$0.20</td>
<td>$0.20</td>
<td>$0.40</td>
<td>$0.40</td>
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<tr>
<td></td>
<td>$0.60</td>
<td>$0.60</td>
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<td>$0.80</td>
<td>$0.80</td>
<td>$0.80</td>
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<tr>
<td>Winter</td>
<td>$1.00</td>
<td>$1.00</td>
<td>$1.00</td>
<td>$1.20</td>
<td>$1.20</td>
<td>$1.20</td>
<td>$1.20</td>
</tr>
<tr>
<td></td>
<td>$1.40</td>
<td>$1.40</td>
<td>$1.40</td>
<td>$1.40</td>
<td>$1.40</td>
<td>$1.40</td>
<td>$1.40</td>
</tr>
</tbody>
</table>

S 19  S 20  S 21

W 19/20  W 20/21  W 21/22
Commercial Opportunities

• Available Capacity:
  – 2019 Maintenance Capacity
  – Capacity Subject to ROFR

• Supply Stack and Incremental Bakken Receipt Capacity

• Bakken Supply Reliability winter 2018-19 vs. 2017-18

• ATPL and PaL Opportunities

• Power Plant Services

• Increase in Monthly/BALMO Capacity Sales

• Daily Ambient Capacity Auction
Business Development

Eric Miller
Northern Border Producer/Market Profile

Bakken Forecast (Dry Gas)

NBPL Bakken Supply Profile and Forecast

- Actual Bakken Receipts
- Projected Bakken Receipts
- Port of Morgan Receipts
- % of Bakken on NBPL
Northern Border Expansions

Stateline/Watford City to Ventura
Up to 580 Mmdth/d of incremental firm capacity from a Stateline point of receipt in Williams Co., ND to the Ventura existing point of delivery into NNGL in Hancock Co., Iowa
• Phase I In-Service Date: Q3 2021
• Phase II In-Service Date: Q4 2023

Stateline/Watford City to Cheyenne Hub
Up to 430 Mmdth/d of incremental firm capacity from a Stateline point of receipt in Williams Co., ND to the Cheyenne Hub
• Phase I In-Service Date: Q3 2021
• Phase II In-Service Date: Q4 2022
Northern Border Expansions – Next Steps

- Determine which expansion path is most supportive from anchor shipper(s)
- Continue to refine and optimize each expansion path design and cost
- For either expansion path, execute Non-Binding Term Sheets – Q2 2019
- Execute Precedent Agreements – Q2/Q3 2019
Northern Border Expansions

Contact Information
Eric Miller
eric.miller@transcanada.com
Tel: 832.320.6070
Cell: 281.799.7257
• Northern Border success
  – Record deliveries
  – No capacity impacts
• Chicago 2017/18 winter weather was 2% warmer than normal, compared to 4% colder than normal for winter 2018-19
• Minneapolis 2017/18 winter weather was 2% colder than normal, compared to 7% warmer than normal for winter 2018-19
• Northern Border’s transmission peak day
  – January 30, 2019
  – System deliveries of 3.2 Bcf
• Pipeline capacity was a 98% load factor through Glen Ullin during the winter season
Northern Border Winter Average Day System Flows

Flow in MMbtu per calendar month

- **Nov-18**: 2.52
- **Dec-18**: 2.64
- **Jan-19**: 2.67
- **Feb-19**: 2.47
- **Mar-19**: 2.61

Flow Past Glen Ullin: .357, .880, .579, .135, .557
Flow Past Ventura: .288, .735, .472, .072, .453
Flow Past Harper: .288, .735, .472, .072, .453
Season-to-Date Heating Degree Day Comparison

Minneapolis/St. Paul

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>STD Actual HDD</td>
<td>5,236</td>
<td>6,204</td>
<td>6,142</td>
</tr>
<tr>
<td>30 Year Normal</td>
<td>5,790</td>
<td>6,108</td>
<td>6,581</td>
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</table>

Chicago

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>STD Actual HDD</td>
<td>4,655</td>
<td>5,201</td>
<td>4,774</td>
</tr>
<tr>
<td>30 Year Normal</td>
<td>5,809</td>
<td>5,324</td>
<td>4,774</td>
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</table>

<table>
<thead>
<tr>
<th>Winter</th>
<th>2017-18</th>
<th>2018-19</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minneapolis</td>
<td>2% CTN</td>
<td>7% WTN</td>
</tr>
<tr>
<td>Chicago</td>
<td>2% WTN</td>
<td>4% CTN</td>
</tr>
</tbody>
</table>
Summer 2019 Maintenance Schedule

• As in the past, April and May are reserved for major planned outages and capacity impacting events.

• All compressor stations will take a required, annual maintenance outage during April and May. One station will be taken offline at a time in order to minimize capacity impacts.

• 2 compressor stations are scheduled for station controls upgrade.

• 1 compressor station is scheduled for a compressor repair.

• Continued SCADA and communication systems upgrade to help maintain pipeline reliability.
## Spring 2019 Maintenance Schedule

### 2019 Scheduled Spring Outages

<table>
<thead>
<tr>
<th>April</th>
<th>May</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Compressor Station 06</strong></td>
<td><strong>Compressor Station 09</strong></td>
</tr>
<tr>
<td>Panel Upgrade</td>
<td>Compressor O-ring</td>
</tr>
<tr>
<td>4/1 – 4/16</td>
<td>4/23 – 4/25</td>
</tr>
<tr>
<td><strong>Compressor Station 18</strong></td>
<td><strong>Compressor Station 14</strong></td>
</tr>
<tr>
<td>Spring Maint.</td>
<td>Spring Maint.</td>
</tr>
<tr>
<td>4/3 – 4/4</td>
<td>5/1 – 5/2</td>
</tr>
<tr>
<td><strong>Compressor Station 16</strong></td>
<td><strong>Compressor Station 07</strong></td>
</tr>
<tr>
<td>Spring Maint.</td>
<td>Panel Upgrade</td>
</tr>
<tr>
<td>4/9 – 4/10</td>
<td>5/6 – 5/21</td>
</tr>
<tr>
<td><strong>Compressor Station 01</strong></td>
<td><strong>Compressor Station 01</strong></td>
</tr>
<tr>
<td>Jet Install</td>
<td>Spring Maint.</td>
</tr>
<tr>
<td>4/9 – 4/11</td>
<td>5/7 – 5/8</td>
</tr>
<tr>
<td><strong>Compressor Station 19</strong></td>
<td><strong>Compressor Station 02</strong></td>
</tr>
<tr>
<td>NetFlex Install</td>
<td>Spring Maint.</td>
</tr>
<tr>
<td><strong>Compressor Station 03</strong></td>
<td><strong>Compressor Station 10</strong></td>
</tr>
<tr>
<td>Spring Maint.</td>
<td>Spring Maint.</td>
</tr>
<tr>
<td><strong>Compressor Station 13</strong></td>
<td><strong>Compressor Station 11</strong></td>
</tr>
<tr>
<td>Spring Maint.</td>
<td>Spring Maint.</td>
</tr>
<tr>
<td><strong>Compressor Station 17</strong></td>
<td><strong>Compressor Station 08</strong></td>
</tr>
<tr>
<td>Spring Maint.</td>
<td>Spring Maint.</td>
</tr>
<tr>
<td><strong>Des Plaines</strong></td>
<td></td>
</tr>
<tr>
<td>Spring Maint.</td>
<td></td>
</tr>
<tr>
<td>4/23 – 4/24</td>
<td></td>
</tr>
<tr>
<td><strong>Compressor Station 09</strong></td>
<td></td>
</tr>
<tr>
<td>Compressor O-ring</td>
<td></td>
</tr>
<tr>
<td>4/23 – 4/25</td>
<td></td>
</tr>
<tr>
<td><strong>Compressor Station 12</strong></td>
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<tr>
<td>Spring Maint.</td>
<td></td>
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<tr>
<td>4/29 – 4/30</td>
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</tr>
<tr>
<td><strong>Compressor Station 09</strong></td>
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<tr>
<td>Spring Maint.</td>
<td></td>
</tr>
<tr>
<td>5/1 – 5/2</td>
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<tr>
<td><strong>Compressor Station 14</strong></td>
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<tr>
<td>Spring Maint.</td>
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</tr>
<tr>
<td>5/1 – 5/2</td>
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<tr>
<td><strong>Compressor Station 07</strong></td>
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</tr>
<tr>
<td>Panel Upgrade</td>
<td></td>
</tr>
<tr>
<td>5/6 – 5/21</td>
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<tr>
<td><strong>Compressor Station 01</strong></td>
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<tr>
<td>Spring Maint.</td>
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<tr>
<td>5/7 – 5/8</td>
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<tr>
<td><strong>Compressor Station 02</strong></td>
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<tr>
<td>Spring Maint.</td>
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</tr>
<tr>
<td>5/14 – 5/15</td>
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<td><strong>Compressor Station 10</strong></td>
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<td>Spring Maint.</td>
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</tr>
<tr>
<td>5/21 – 5/22</td>
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</tr>
<tr>
<td><strong>Compressor Station 11</strong></td>
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<td>Spring Maint.</td>
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<td>5/23 – 5/24</td>
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<tr>
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</tr>
<tr>
<td>Spring Maint.</td>
<td></td>
</tr>
<tr>
<td>5/29 – 5/30</td>
<td></td>
</tr>
</tbody>
</table>
Regulatory Review
John Roscher
2017 Settlement Summary

Across-the-board reservation rate decrease (from pre-settlement rates) over 3 periods:

- January 1, 2018 to March 31, 2018: 5% Reduction
- April 1, 2018 to December 31, 2019: 10.5% Reduction
- January 1, 2020 onward: 12.5% reduction

<table>
<thead>
<tr>
<th>Path</th>
<th>Period I</th>
<th>Period II</th>
<th>Period III</th>
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<tbody>
<tr>
<td>POM – Ventura</td>
<td>$0.2268</td>
<td>$0.2136</td>
<td>$0.2087</td>
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<tr>
<td>Ventura - N Hayden</td>
<td>$0.1267</td>
<td>$0.1194</td>
<td>$0.1168</td>
</tr>
</tbody>
</table>

6-year bilateral moratorium on five-year extension tariff language
6-year comeback requiring filing by January 1, 2024
Northern Border filed as part of Group III on December 6, 2018

Selected non income taxpaying pass-through entity

- Per Order No. 849, eliminated the income tax allowance in rates and associated legacy ADIT balance

501-G indicated a 3.6% rate increase

- Filed a “limited section 4” rate filing with a management adjustment reflecting a 2% rate decrease
- Noted commitment to 2% reduction as additional reduction to January 1, 2020 rates via settlement

### 2017 Settlement Rates (T-1)

<table>
<thead>
<tr>
<th>Path</th>
<th>Period II</th>
<th>Period III</th>
</tr>
</thead>
<tbody>
<tr>
<td>POM - Ventura</td>
<td>$0.2136</td>
<td>$0.2087</td>
</tr>
<tr>
<td>Ventura - N Hayden</td>
<td>$0.1194</td>
<td>$0.1168</td>
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### 501-G / Settlement Rates (T-1)

<table>
<thead>
<tr>
<th>Path</th>
<th>Period II</th>
<th>Period III Sett.</th>
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<tbody>
<tr>
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<td>$0.2095</td>
<td>$0.2046</td>
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<td>Ventura - N Hayden</td>
<td>$0.1173</td>
<td>$0.1143</td>
</tr>
</tbody>
</table>
501-G/Limited Section 4 Outcome

• Commission approved limited section 4 filing on January 31, 2019

• 2% rate reduction went into effect February 1, 2019

• The Commission required Northern Border to submit an informational filing on the status of the settlement amendment within 60 days of the issuance of the order
Settlement Amendment

Initial draft settlement circulated on February 15, 2019

Adjusts the January 1, 2020 (Phase III) rates to include the 2% 501-G rate reduction

Filed update with status of settlement on April 1

Settlement filed with FERC on April 4, 2019
Canadian Natural Gas Pipelines

- **NGTL System**
  - 15,300 mi of pipeline
  - Connected to over 1,000 Tcf of WCSB resource
  - Transports 75% of WCSB production, over 12 Bcf/d
  - Connected to key North America markets
  - 2019 Rate Base: $9.9B
  - 2019/2020 Revenue Requirement: $2.3B

- **Canadian Mainline**
  - 8,800 mi of pipeline
  - 7.1 Bcf/d of long-haul and short-haul contracts
  - Connects WCSB to eastern markets

- **Coastal GasLink**
  - 420 mi pipeline from northeast B.C. to LNG Canada facility on the west coast
  - Phase 1 capacity of 2.1 Bcf/d
  - Construction in progress
WCSB Supply Forecast

WCSB Reserve Estimate
2007 - 165 Tcf
2017 - 924 Tcf

WCSB Supply seeking incremental markets

Source: TransCanada Q4/2018 Forecast
NGTL System Throughput Outlook Illustration
NGTL Volumes up 0.9 Bcf/d

**System Average Flow Increase from 2017 to 2018**

- **Total Receipts and Net Storage**: 12.5 Bcf/d
  - YeY: +0.9 Bcf/d
  - Intra-Basin Deliveries*: 5.7 Bcf/d
    - YeY: +0.6 Bcf/d
  - Empress-McNeill Deliveries: 4.4 Bcf/d
    - YeY: +0.2 Bcf/d
  - AB/BC Border Deliveries: 2.3 Bcf/d
    - YeY: +0.1 Bcf/d

**NOTES:**
1. All base volumes are reported for calendar year of 2018
2. Numbers may not add exactly on an annual basis due to rounding
   - * Includes deliveries to other borders

---

**Intra-Basin Deliveries**

**Empress-McNeill Deliveries**

**Total Receipts and Net Storage**

**AB/BC Border Deliveries**

**Gas Transmission Northwest**

**Canadian Mainline**

**Northern Border Pipeline**

**Great Lakes Gas Transmission**

**TQM**

**PNGTS**

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Significantly Expanding Market Connectivity 2019-22

NOTES:
1. All base volumes are reported for calendar year of 2018
2. Numbers may not add exactly on an annual basis due to rounding
* Includes deliveries to other borders

3.4 Bcf/d of System Delivery Expansion
NGTL Eastern Export Short Term Outlook

Operational Capacity
As published April 4, 2019

Empress & McNeill Border
Firm Contracts

Capacity available to IT Flows
and potential Short Term Firm
Service offerings
NGTL and Foothills Flow Path Relationships

Potential for reduced service availability:

- **A** Upstream FT and/or downstream (incl. McNeill) IT Services
- **B** Upstream FT or downstream (incl. McNeill) IT Services
- **C** Downstream (incl. McNeill) Services only
- **D** Foothills SK Services only

Outage Communication:

- DOP: Daily Operating Plan
- NrG Highway Notice

*Actual service authorizations will depend on several factors*
## 2019 Empress-McNeill Border Operational Highlights

### Outage date, duration, and impact may be subject to change. Compiled as of April 1, 2019.

This listing is not inclusive of all maintenance activity. For a complete list please refer to DOP for all planned outages with potential service impact.

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<tbody>
<tr>
<td></td>
<td></td>
<td>Service Allowable</td>
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<tr>
<td>Alces River B3 Compressor Station</td>
<td>Apr 29 – May 1, 2019</td>
<td>Potential impact to FT-R</td>
<td>No impact to FT-D anticipated</td>
<td>117,000 4,505</td>
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<td>Maintenance</td>
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<td>Schrader Creek East #3 Compressor</td>
<td>Apr 29 to May 3, 2019</td>
<td>Potential impact to FT-R</td>
<td>No impact to FT-D anticipated</td>
<td>121,000 4,659</td>
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<td>Station Maintenance</td>
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<td>Jenner Compressor Station Maintenance</td>
<td>May 6 – 10, 2019</td>
<td>Not Listed</td>
<td>No impact to FT-D anticipated</td>
<td>124,000 4,774</td>
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<td>NPS 36 Eastern AB System Loop #2 &amp;</td>
<td>May 27 – 30, 2019</td>
<td>Not Listed</td>
<td>No impact to FT-D anticipated</td>
<td>111,000 4,278</td>
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<td>Hussar A C/S Maintenance</td>
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<td>NPS 30 Grande Prairie Mainline Loop</td>
<td>Jul 3 – 12, 2019</td>
<td>Potential impact to FT-R</td>
<td>No impact to FT-D anticipated</td>
<td>122,000 4,674</td>
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<td>Pipeline Maintenance</td>
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<td>Meikle River D5 Compressor Station</td>
<td>Aug 7 – 22, 2019</td>
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<td>No impact to FT-D anticipated</td>
<td>122,000 4,674</td>
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<td>Alces River C/S, NPS 30/42 Paul Lake,</td>
<td>Sep 7 – 14, 2019</td>
<td>Potential impact to FT-R</td>
<td>No impact to FT-D anticipated</td>
<td>120,000 4,597</td>
<td>A</td>
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<tr>
<td>Flat Lake Loop 3 &amp; 4 Maintenance</td>
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<td>Berland River Compressor Station</td>
<td>Sep 16 – 25, 2019</td>
<td>Potential impact to FT-R</td>
<td>No impact to FT-D anticipated</td>
<td>122,000 4,674</td>
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<tr>
<td>Maintenance</td>
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| Summer Base Capacity: 132-133 10^3m³/d | 10^3m³/d | TJ/d |

A, B, C indicate different flow paths.
News and Noteworthy

• Daily Transfer of Firm Service between Empress and McNeill Borders
  – Aligns with NBPL Daily Ambient Service Offering
  – Provides flexibility to NGTL shippers to optimize their transport
  – Further enhanced by allowing service assigned to a third party to transact on these daily transfers

• NGTL Rate Design Filed with National Energy Board
  – Modification to supply-to-market pathing in distance of haul calculations
  – Beneficial for McNeill export shippers
  – Potential for Full Path (Receipt to Delivery) toll reduction
  – Anticipate approval as early as Q1 2020

• NGTL Final Rates Filed – Effective May 1, 2019
  – McNeill (FT-D1) Rate reduced from 19.7¢ to 19.0¢
  – Foothills S.K. Rate remains at 14.5¢
  – Average Receipt (FT-R) Rate reduced from 20.2¢ to 19.6¢
Thank You!

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Break
Guest Speaker
Dennis Gartman
Thank You