



Third Quarter 2015 Conference Call

November 3, 2015

Forward Looking Information and Non-GAAP Measures



This presentation includes certain forward looking information 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 is based on the following key assumptions: inflation rates, commodity prices and capacity prices, timing of financings and hedging, regulatory decisions and outcomes, foreign exchange rates, interest rates, tax rates, planned and unplanned outages and the use of our pipeline and energy assets, integrity and reliability of our assets, access to capital markets, anticipated construction costs, schedules and completion dates, acquisitions and divestitures.

Our forward looking information 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 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 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 and foreign exchange rates, weather, cyber security and technological developments. You can read more about these risks and others in our most recent Quarterly Report to Shareholders and 2014 Annual Report filed with Canadian securities regulators and the U.S. Securities and Exchange Commission (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 Share, Earnings Before Interest, Taxes, Depreciation and Amortization (EBITDA), Comparable EBITDA, Earnings Before Interest and Taxes (EBIT), Comparable EBIT, Comparable Interest Expense, Comparable Interest Income and Other, Comparable Income Taxes and Funds Generated from Operations. Reconciliations to the most closely related GAAP measures are included in our most recent Quarterly Report to Shareholders filed with Canadian securities regulators and the SEC and available at www.transcanada.com.



Recent Developments

Russ Girling, President & CEO



Third Quarter 2015 Highlights

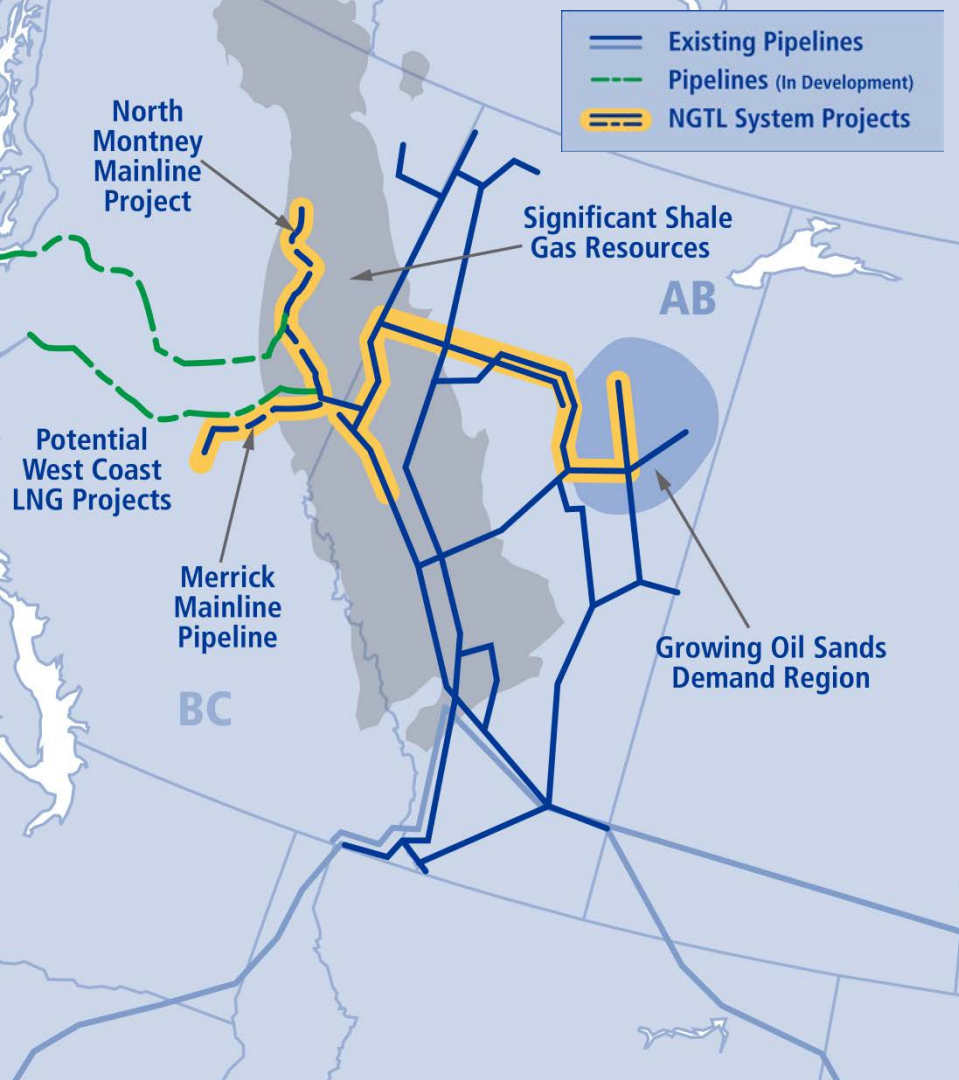


- Another quarter of strong, consistent financial results across our three core businesses
- Comparable earnings and funds generated from operations have increased eight and nine per cent respectively over the past nine months. Only a small portion of our cash flow is exposed to commodity price volatility, primarily in the Alberta and U.S. power markets
- Continued to advance critical, shorter term projects; acquired the Ironwood power plant, initiated measures to improve efficiency and streamline costs
- Continued to advance \$35 billion of longer-term projects, received all required permits for PRGT, reached agreement with Eastern Canadian local gas distribution companies concerning Energy East and the Eastern Mainline Project
- Large-scale projects combined with organic business unit growth provide the opportunity to grow earnings, cash flow and dividends for years to come

Third Quarter 2015 Financial Highlights



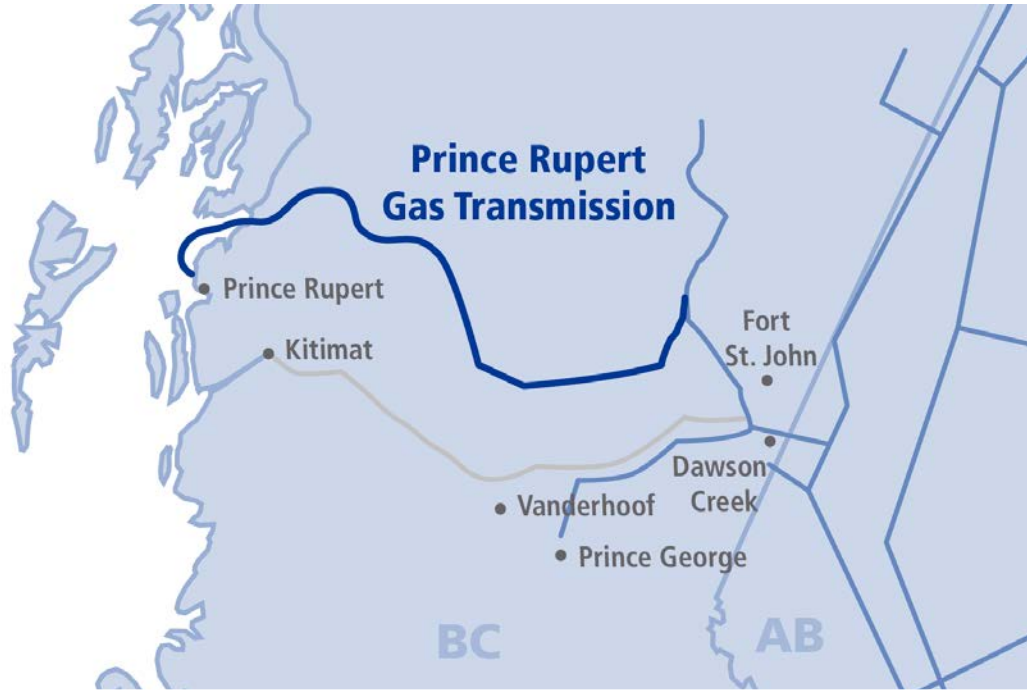
- Net income attributable to common shares was \$402 million or 57 cents per share
- Comparable earnings were \$440 million or 62 cents per share
- Comparable EBITDA of \$1.5 billion and funds generated from operations of \$1.1 billion
- Board of Directors declared a quarterly dividend of 52 cents per common share for the quarter ending December 31, 2015
- Board has raised dividend in each of the last 15 years from 80 cents to \$2.08 per share, current rate is an eight per cent increase over last year
- Expected to grow dividend at annual rate of eight to ten per cent through 2017



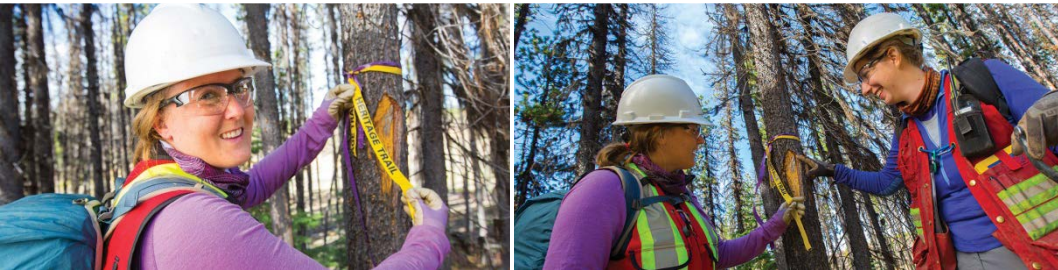
NGTL System Expansions

- Nearly \$7 billion of new supply and demand facilities being developed
- \$2.8 billion have received regulatory approval, \$800 million under construction
- An additional \$500 million of facilities under regulatory review
- Received further requests for firm receipt service, should increase overall capital spend on NGTL System
- NGTL continues to be the pipeline system of choice for connecting new production volumes from key basins

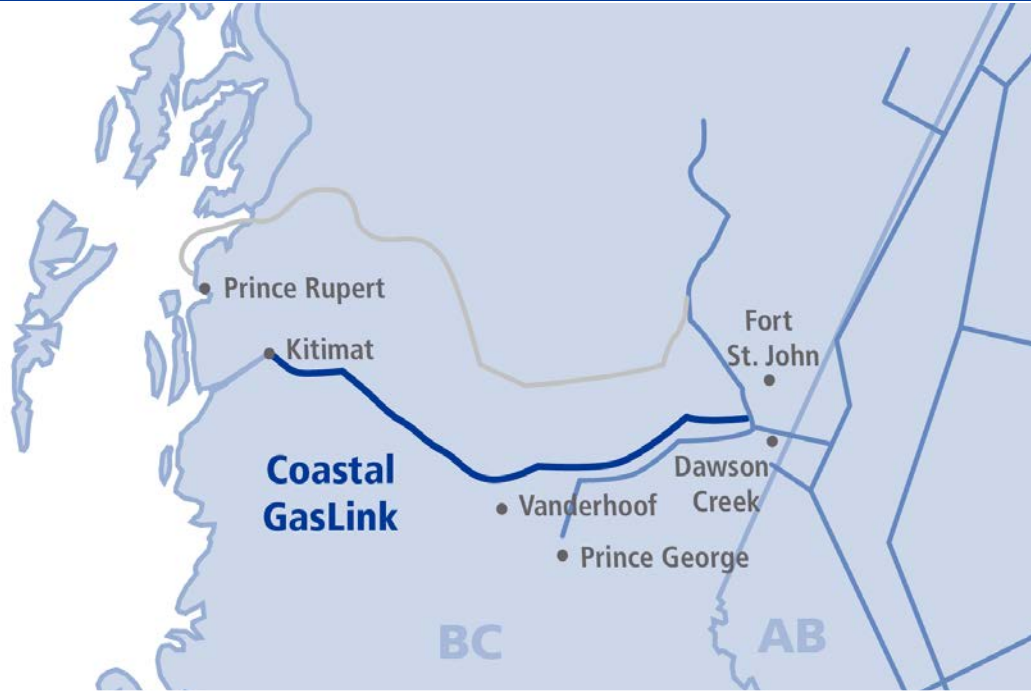
Prince Rupert Gas Transmission Project (PRGT)



- Have now received all 11 required permits from the B.C. Oil and Gas Commission
- Remain on target to begin construction of PRGT following confirmation of a positive FID from PNW LNG
- 900-kilometre (559-mile) natural gas pipeline designed to deliver gas to PNW LNG's liquefaction facility near Prince Rupert



Coastal GasLink Project



- Project has received eight of ten permits from the B.C. Oil and Gas Commission, expect final two in fourth quarter 2015
- 670-km (416-mile) Coastal GasLink pipeline will run from Dawson Creek to the proposed LNG Canada liquefied natural gas facility near Kitimat, B.C.
- Coastal GasLink team continues to work through the regulatory process in advance of a final investment decision for the project



Mexico Natural Gas Pipelines



- TransCanada investing US\$1.4 billion in Mexico constructing natural gas pipelines
- US\$1 billion Topolobampo project 70 per cent complete
- US\$400 million Mazatlan pipeline over 80 per cent complete
- Both pipelines expected to be operational in 2016
- Continue to pursue additional opportunities for new projects in Mexico

Energy East Project



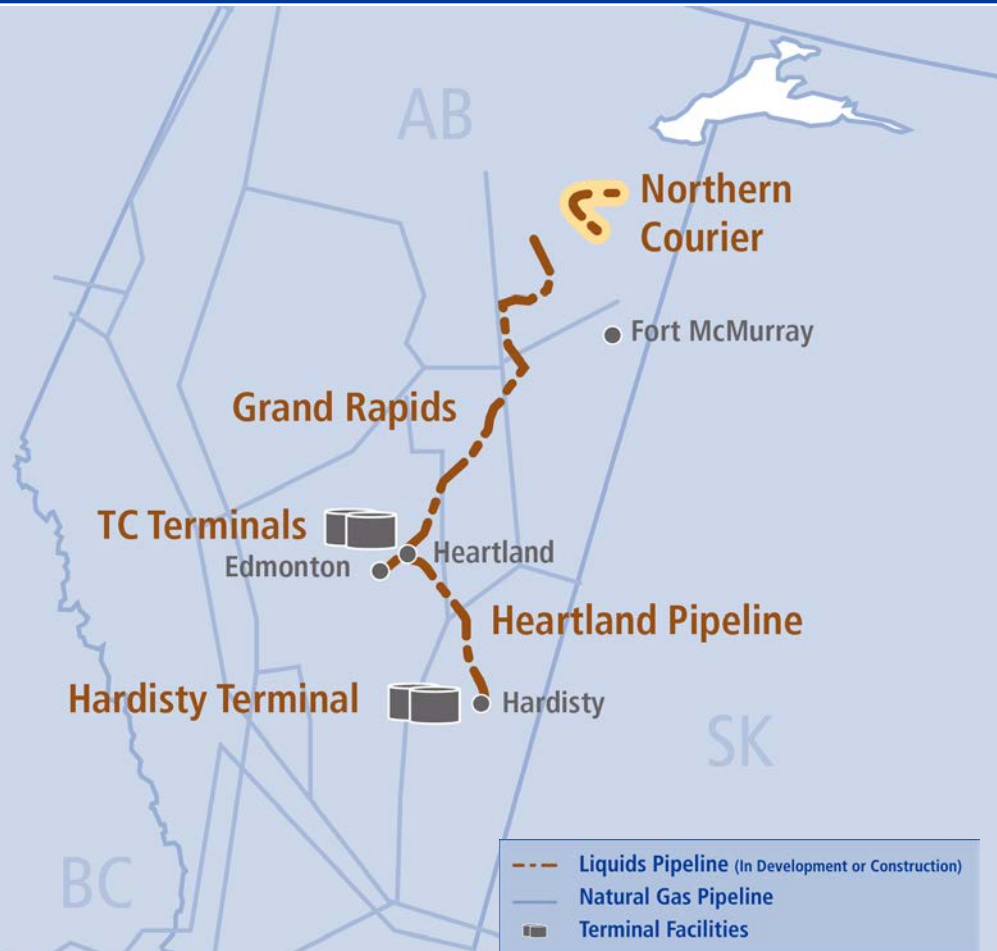
- We expect to offer a project update very shortly following the decision last spring to remove a Cacouna terminal
- During past 12 months National Energy Board has continued to review our October 2014 filing
- Reached an agreement with local gas distribution companies Enbridge Gas Distribution, Gaz Metro, Union Gas that resolves their issues with Energy East and the Eastern Mainline Project (EMP)
- Agreement ensures Energy East and EMP will provide Eastern Canadian gas consumers with sufficient gas transmission capacity and reduced costs

Keystone XL



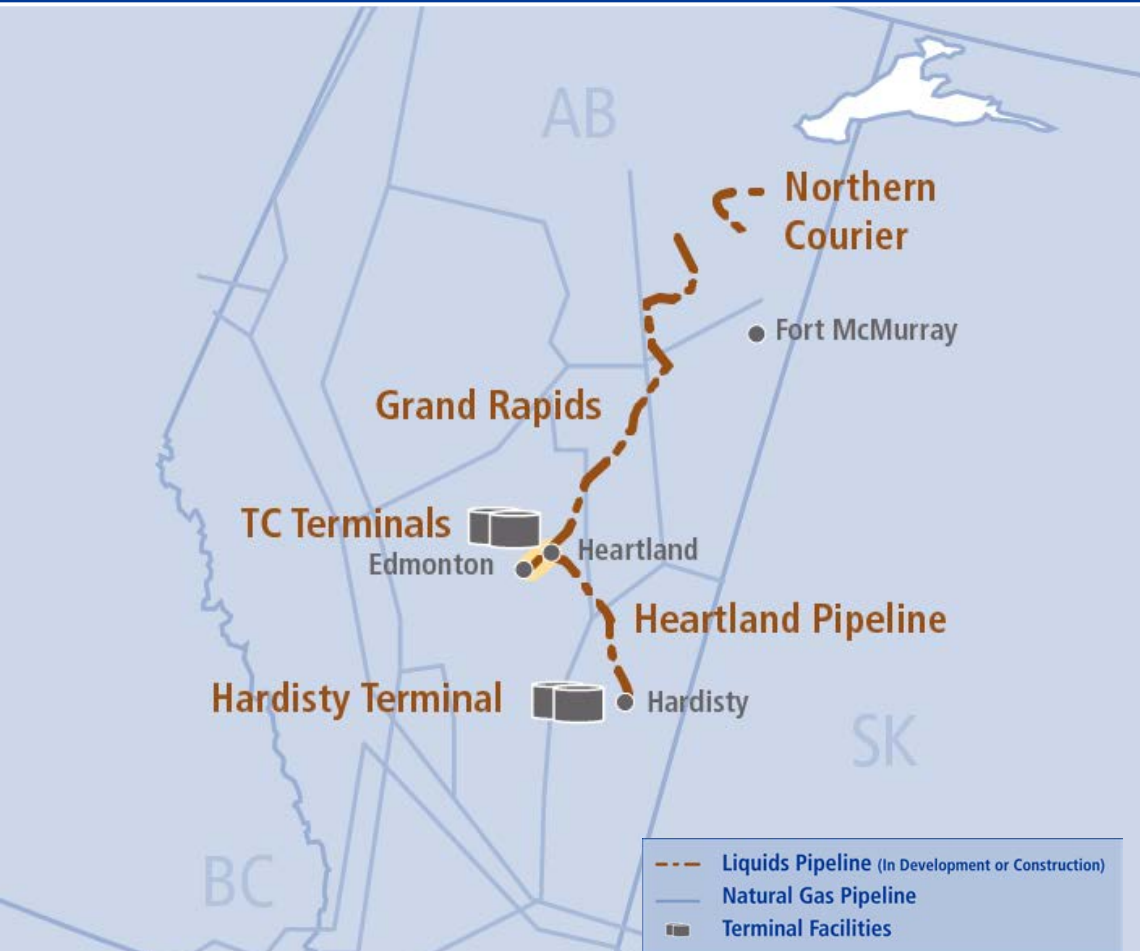
- Filed an application with the Nebraska Public Service Commission (PSC) in October seeking approval for the Keystone XL route
- Believe PSC process clearest and quickest path to achieving route certainty for Keystone XL in Nebraska
- On November 2, 2015, we sent a letter to the U.S. Secretary of State asking the Department of State to pause its review of the Presidential Permit application while we seek Nebraska PSC approval of our route in the state
- US\$2.4 billion invested in Keystone XL, also \$400 million in capitalized interest
- Houston Lateral pipeline and terminal expected to be operational Q2 2016

Northern Courier Pipeline



- Construction of the Northern Courier project is on schedule
- The \$1 billion project consists of a 24-inch bitumen pipeline and a 12-inch diluent pipeline that will run between the Fort Hills Mine and Suncor's tank farm
- 100 per cent of capacity subscribed
- Approximately 30 per cent of construction is complete
- We are on schedule for completion and final in-service date planned for 2017

Grand Rapids Pipeline



- We announced in August an agreement where the 45-km (28-mile) southernmost portion of the 20-inch diluent Grand Rapids Pipeline will become part of a 50/50 joint venture with Keyera Corporation
- This strategic partnership will bring value to Grand Rapids shippers and will give Alberta oil sands producers access to a reliable and cost effective source of diluent
- Grand Rapids' contribution to the joint venture will be approximately \$140 million
- The pipeline has regulatory approval and is under construction, expected in-service date in 2017

Napanee Generating Station



- Construction started early in 2015 on the \$1 billion, 900 MW combined-cycle gas-fired plant in eastern Ontario
- Facility will provide clean energy under a 20-year supply contract with the Ontario IESO
- In-service 2017 or 2018



Ironwood Power Plant

- We reached agreement to acquire the 778 MW Ironwood power plant in Lebanon, Pennsylvania for US\$654 million
- The acquisition expected to be immediately accretive to earnings and cash flow and generate approximately US\$90-\$110 million in EBITDA annually
- Ironwood complements our U.S. northeast operations, which total over 4,500 MW
- The acquisition will be financed with a combination of cash and debt capacity and the transaction is expected to close early in the first quarter of 2016





- Bruce Power in discussions with the Ontario IESO to reach an agreement on additional investment and maintenance to extend the life of the facility
- We remain optimistic an agreement can be reached that would ultimately provide emission-less energy to Ontario for many decades
- 6,200 MW facility capable of generating ~30% of Ontario's power needs
- Bruce A – 3,000 MW (48.9 per cent interest)
- Bruce B – 3,200 MW (31.6 per cent interest)
- Power sold under long-term contract with the Ontario IESO



- We implemented some management changes starting in late September 2015 and have started corporate restructuring
- Alex Pourbaix was appointed Chief Operating Officer. Don Marchand was appointed Executive Vice-President, Corporate Development and Chief Financial Officer; and Kristine Delkus was appointed Executive Vice-President, Stakeholder Relations and General Counsel. Jim Baggs, Executive Vice-President, Operations and Engineering has announced his intention to retire in early 2016
- Restructuring will provide a clearer focus on safety management, generate operational efficiencies, streamline decision making and maximize the value of each business unit
- This will result in lower costs for both TransCanada and our customers
- Expect further changes in fourth quarter 2015, changes will continue into 2016

Key Takeaways



- We had a strong quarter that builds on the company's performance over the last nine months where we saw comparable earnings and funds generated from operations rise eight and nine per cent respectively compared to the same period last year
- Focused on maximizing the performance of our energy infrastructure assets
- Bring into service \$12 billion of projects on time, on budget. Growth and base business cash flow allow us to grow dividend eight to 10 per cent through 2017
- Continue to pursue organic growth initiatives, advance \$35 billion of large-scale projects which will augment and extend growth into next decade





Third Quarter 2015 Financial Results

Don Marchand, EVP, Corporate Development & CFO



Consolidated Results of Operations

(unaudited) (millions of dollars, except per share amounts)



	Three months ended Sept 30		Nine months ended Sept 30	
	2015	2014	2015	2014
Net Income Attributable to Common Shares	402	457	1,218	1,285
Specific items (net of tax):				
Alberta corporate income tax rate increase	-	-	34	-
Restructuring costs	6	-	14	-
Cancarb gain on sale	-	-	-	(99)
Niska contract termination	-	1	-	32
Risk management activities	32	(8)	36	(14)
Comparable Earnings⁽¹⁾	440	450	1,302	1,204
Net Income Per Common Share	\$0.57	\$0.64	\$1.72	\$1.81
Specific items (net of tax):				
Alberta corporate income tax rate increase	-	-	0.05	-
Restructuring costs	0.01	-	0.02	-
Cancarb gain on sale	-	-	-	(0.14)
Niska contract termination	-	-	-	0.04
Risk management activities	0.04	(0.01)	0.05	(0.01)
Comparable Earnings Per Common Share⁽¹⁾	\$0.62	\$0.63	\$1.84	\$1.70
Average Common Shares Outstanding (millions)	709	708	709	708

(1) Non-GAAP measure. For additional information on these items see the November 2, 2015 Quarterly Report to Shareholders

Business Segment Results

(unaudited) (millions of dollars)



	Three months ended Sept 30		Nine months ended Sept 30	
	2015	2014	2015	2014
Natural Gas Pipelines				
Canadian Pipelines	548	557	1,653	1,672
U.S. and International Pipelines	276	188	884	691
Business Development	(12)	5	(44)	(6)
Natural Gas Pipelines Comparable EBITDA⁽¹⁾	812	750	2,493	2,357
Liquids Pipelines				
Keystone Pipeline System	363	275	997	779
Business Development	(8)	6	(17)	(8)
Liquids Pipelines Comparable EBITDA⁽¹⁾	355	281	980	771
Energy				
Canadian Power	168	262	584	631
U.S. Power	183	128	426	318
Natural Gas Storage and other	(1)	3	8	32
Business Development	(5)	(6)	(13)	(18)
Energy Comparable EBITDA⁽¹⁾	345	387	1,005	963
Corporate Comparable EBITDA⁽¹⁾	(29)	(31)	(97)	(91)
Comparable EBITDA⁽¹⁾	1,483	1,387	4,381	4,000

(1) Non-GAAP measure. For additional information on these items see the November 2, 2015 Quarterly Report to Shareholders

Other Income Statement Items

(unaudited) (millions of dollars)



	Three months ended Sept 30		Nine months ended Sept 30	
	2015	2014	2015	2014
Comparable EBIT⁽¹⁾	1,044	984	3,068	2,805
Comparable interest expense⁽¹⁾	(341)	(304)	(990)	(875)
Comparable interest income and other expense⁽¹⁾	42	49	108	72
Comparable income tax expense⁽¹⁾	(236)	(230)	(668)	(616)
Net income attributable to non-controlling interests	(46)	(25)	(145)	(110)
Preferred share dividends	(23)	(24)	(71)	(72)
Comparable Earnings⁽¹⁾	440	450	1,302	1,204
Specific items (net of tax):				
Alberta corporate income tax rate increase	-	-	(34)	-
Restructuring costs	(6)	-	(14)	-
Cancarb gain on sale	-	-	-	99
Niska contract termination	-	(1)	-	(32)
Risk management activities	(32)	8	(36)	14
Net Income Attributable to Common Shares	402	457	1,218	1,285

(1) Non-GAAP measure. For additional information on these items see the November 2, 2015 Quarterly Report to Shareholders

Cash Flow and Investing Activities

(unaudited, millions of dollars)



	Three months ended Sept 30		Nine months ended Sept 30	
	2015	2014	2015	2014
Funds Generated From Operations⁽¹⁾	1,140	1,071	3,354	3,090
Investing Activities:				
Capital spending	1,106	951	3,213	2,885
Equity investments	105	66	303	195
Acquisitions	-	181	-	181
Proceeds from sale of assets, net of transaction costs	-	-	-	187

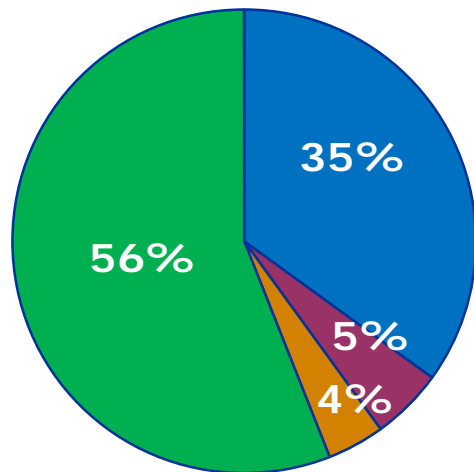
(1) Non-GAAP measure. For additional information on these items see the November 2, 2015 Quarterly Report to Shareholders

Financial Position Remains Strong



Consolidated Capital Structure*

(at September 30, 2015)



■ Debt (net of cash) ■ Common Equity
■ Preferred Shares ■ Junior Sub Notes

- Significant financial flexibility underpinned by 'A' grade credit ratings
- \$755 million cash on hand
- \$5 billion of undrawn committed credit lines and two well supported commercial paper programs
- In July, issued \$750 million of 10-year medium-term notes at 3.30%
- In October, issued \$400 million of medium-term notes maturing in November 2041 at 4.55%
- Well positioned to fund \$11 billion of visible short-term growth projects and the US\$0.7 billion Ironwood acquisition

* Common equity includes non-controlling interests in TC PipeLines, LP and Portland.

TransCanada – Key Takeaways



- **Resilient business model and blue-chip portfolio of energy infrastructure assets producing strong results in challenging market conditions**
 - Comparable earnings up 8% year-to-date
 - Funds generated from operations up 9% year-to-date
- **Committed to growing dividend at an annual rate of 8 to 10% through 2017**
- **Well positioned to fund \$12 billion of visible near-term growth initiatives with support of 'A' grade credit rating**
- **Advancing numerous other investment opportunities, including \$35 billion of commercially secured projects**



Question & Answer Period



Russ Girling



Don Marchand



Alex Pourbaix



Karl Johannson



Paul Miller



Bill Taylor



Glenn Menuz



David Moneta

