()) TC Energy Corporate Profile

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May 2025

Forward-looking information and non-GAAP/supplementary financial 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, but is not limited to, statements related to: our comparable EBITDA outlook, comparable funds generated from operations (comparable FGFO) outlook, statements related to foreign exchange and its expected impact on comparable EBITDA and comparable EPS, our current and targeted debt-to-EBITDA leverage metrics, our financial and operational performance, including the performance of our subsidiaries, expectad dividend growth, expected acess to and cost of capital, expected energy demand levels and drivers thereof, expected dividend growth, expected acess to and cost of capital, expected on and evelopment, expected capital expenditures, contractal obligations, commitments and targets contained in our Report on Sustainability and GHG Emissions Reduction Plan, including statements related to our GHG emissions intensity reduction goals, expected industry, market and economic conditions, and ongoing trade negotiations, including their impact on our customers and suppliers.

Our forward-looking information is based on certain key assumptions and is subject to risks and uncertainties, including but not limited to realization of expected impacts from acquisitions and divestitures, including the Spinoff Transaction, our ability to successfully implement our strategic priorities and whether they will yield the expected benefits, our ability to implement a capital allocation strategy aligned with maximizing shareholder value, operating performance of our pipelines, power generation and storage assets, amount of capacity payments and revenues from power generation assets due to plant availability, production levels within supply basins, construction and completion of capital projects, cost, availability of, and inflationary pressures on, labour, equipment and materials, availability of effectively anticipate and assess changes to government policies and regulations, including the businesses in which we operate, unexpected or unusual weather, acts of civil disobedience, cybersecurity and technological developments, sustainability-related risks including climate-related risks and the impacts from the impacts from acquisitons and epidemics, and the impacts from acquisitons and the results our disobedience on forward-looking information and should not use future-oriented information or future events unless we are required to by law. For additional information and should not use future-oriented information or future events unless we are required to by law. For additional information on the assumptions made, and the risks and uncertainties which could cause actual results to differ from the anticipated results, refer to the most recent Quarterly Report to Shareholders and Annual Report filed under TC Energy's profile on SEDAR+ at www.sedarplus.ca and with the U.S. Securities and Exchange Commission at www.sec.gov.

This presentation refers to certain non-GAAP measures, non-GAAP ratios and/or supplementary financial measures, namely: comparable EBITDA, adjusted comparable EBITDA, comparable FGFO, comparable earnings, comparable earnings per share, adjusted debt, debtto-EBITDA, build multiple, net capital expenditures, and after-tax internal rate of return (IRR), each of which does not have any standardized meaning as prescribed by U.S. GAAP and therefore may not be comparable to similar measures presented by other entities. The most directly comparable measures presented in the financial statements are: (i) in respect of comparable EBITDA and adjusted comparable EBITDA, segmented earnings, (ii) in respect of comparable fGFO, net cash provided by operations, (iii) in respect of comparable earnings and comparable earnings per common share (EPS), net income (loss) attributable to common shares and net income (loss) per share, respectively and (iv) in respect of adjusted debt, debt. Debt-to-EBITDA is a non-GAAP ratio, which is calculated using adjusted debt and adjusted comparable EBITDA, each of which are non-GAAP measures. Build multiple is non-GAAP ratio which is calculated using capital expenditures and comparable EBITDA of which comparable EBITDA of which ore return, each of which are supplementary financial measures. We believe debt-to-EBITDA ratios provide investors with a useful credit measure as they reflect our ability to service our debt and other long-term commitments. We believe build multiple provides investors with a useful measure to assess expected project returns against hurdle rates and other projects being assessed for capital allocation purposes. This presentation contains references to net capital expenditures, which is a supplementary financial measure. Net capital expenditures reflect capital costs incurred during the period, excluding the impact of timing of cash payments. We use net capital expenditures as a key measure in evaluating our performance in managing our capital spending activities in com

For reconciliations and usefulness of comparable EBITDA to segmented earnings, comparable FGFO to net cash provided by operations, comparable earnings to net income (loss) attributable to common shares and comparable earnings per share to net income per common share, refer to the applicable business segment in our management's discussion and analysis (MD&A) for the applicable period, which sections are incorporated by reference herein and to the Appendices hereto. For composition and usefulness of net capital expenditures refer to the supplementary financial measures section in our MD&A for the applicable period, which sections are incorporated by reference herein and to the Appendices hereto. For the remaining reconciliations for non-GAAP measures, non-GAAP ratios and supplementary financial measures, refer to the Appendices hereto. Refer to the non-GAAP measures section of the MD&A in our most recent quarterly report for more information about the non-GAAP measures we use, which section of the MD&A is incorporated by reference. The MD&A can be found on SEDAR+ at www.sedarplus.ca under TC Energy's profile.

This presentation contains statistical data, market research and industry forecasts that were obtained from third party sources, industry publications, and publicly available information. We believe that the market and industry data presented throughout this presentation is accurate and, with respect to data prepared by us or on our behalf, that our estimates and assumptions are reasonable, but there can be no assurance as to the accuracy or completeness thereof. The accuracy and completeness of the market and industry data presented throughout this presentation is not guaranteed and we make no representation as to the accuracy of such information. Although we believe it to be reliable, we have not independently verified any of the data from third-party sources referred to in this presentation or analyzed or verified the underlying studies or surveys relied upon or referred to by such sources, or ascertained the underlying economic and other assumptions relied upon by such sources and we make no representation as to the accuracy of such data. Actual outcomes may vary materially from those forecast in such reports or publications, and the prospect for material variation can be expected to increase as the length of the forecast period increases. Market and industry data is subject to variations and cannot be verified due to limits on the availability and reliability of data inputs, the voluntary nature of the data gathering process and other limitations and uncertainties inherent in any statistical survey.

Strategic outlook

SOLID GROWTH ··· LOW RISK ··· REPEATABLE PERFORMANCE

Natural Gas

TC Energy is uniquely positioned



Focused natural gas and power company



Opportunities to capture highest-value projects with visibility to the end of the decade



Disciplined capital allocation supports above average growth with below average risk

Delivering on 2025 priorities



MAXIMIZING THE VALUE OF OUR ASSETS THROUGH SAFETY AND OPERATIONAL EXCELLENCE

- Safety incident rates⁽¹⁾ continuing to trend at five-year lows
- Resilient business model delivered strong comparable EBITDA⁽²⁾ performance in Q1 2025
- Filed Section 4 rate cases on ANR & GLGT; new rates expected to be effective November 1, 2025



 Southeast Gateway ready for service, less than 3 years from FID

- CNE approval expected by end of May to achieve in-service
- Announced US\$0.9 billion Northwoods Project
- On track to place \$8.5 billion of assets into service in 2025 ~15% under budget



ENSURE FINANCIAL STRENGTH AND AGILITY

- 2025E net capital expenditures⁽³⁾ of \$5.5 - \$6.0 billion, tracking to plan
- Successfully executed a total of \$3.5 billion in debt capital market transactions during Q1 2025
- Continue deleveraging efforts towards our long-term target of 4.75x debt-to-EBITDA⁽⁴⁾

SOLID GROWTH : LOW RISK : REPEATABLE PERFORMANCE

(1) Reflects High Energy Serious Injury and Fatality (HSIF) rate. (2) Comparable EBITDA from continuing operations is a non-GAAP measure. See the forward-looking information and non-GAAP/supplementary financial measures slide at the front of this presentation and the Appendix for more information. (3) Net capital expenditures is adjusted for the portion attributed to non-controlling interests and is a supplementary financial measure. See the forward-looking information and non-GAAP/supplementary financial measures slide at the front of this presentation for more information. (4) Debt-to-EBITDA is a non-GAAP ratio. Adjusted debt and adjusted comparable EBITDA are the non-GAAP measures used to calculate debt-to-EBITDA. See the forward-looking information and non-GAAP/supplementary financial measures slide at the front of this presentation for more information and the Appendix for more information.

The world needs more energy to meet wide-scale electrification

Cumulative final energy consumption⁽¹⁾

MMtoe, calculated from actual 2023 levels

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North American natural gas demand

forecast to reach ~160 Bcf/d by 2035⁽²⁾

Natural gas

Natural gas and electricity account for 75% of total growth in final energy consumption

(1) Source: S&P Global Commodity Insights – Inflections Climate Scenario (2022, 2024). (2) Source: TC Energy internal data and forecast.

Our North American footprint connects critical growth markets

Unique footprint and portfolio mix



(3) TC Energy internal forecast.

Low risk portfolio highly aligned to long-term fundamentals





(1) Comparable EBITDA is a non-GAAP measure. See the forward-looking information and non-GAAP/supplementary financial measures slide at the front of this presentation and the Appendix for more information. (2) Source: Investor materials. Equal weighted average business mix.

(3) Source: S&P business risk profile as of March 26, 2025.

Building our high-value project pipeline



Providing essential energy infrastructure capacity to meet growing demand across the continent

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Disciplined capital allocation that supports optimal returns and repeatable performance



Maximizing spread between rate of return and cost of capital

Newly announced projects

Returns on sanctioned projects continue to increase

Weighted average unlevered after-tax IRR⁽¹⁾ of projects sanctioned by year



Low double-digit unlevered after-tax IRRs⁽¹⁾ translate to build multiples⁽²⁾ of 5 – 7 times

(1) Unlevered after-tax internal rate of return is a non-GAAP measure. See the forward-looking information and non-GAAP/supplementary financial measures slide at the front of this presentation and the Appendix for more information. (2) Build multiple is a metric calculated by dividing expected capital expenditures by expected comparable EBITDA. Please note our method for calculating build multiple may differ from methods used by other entities. Therefore, it may not be comparable to similar measures presented by other entities.

Sustainable growth of high-quality cash flows



Sustainable growth underpinned by rate-regulation and long-term contracts



(1) Comparable EBITDA is a non-GAAP measure. See the forward-looking information and non-GAAP/supplementary financial measures slide at the front of this presentation and the Appendix for more information. (2) Includes comparable EBITDA from continuing operations.

2025 Strategic priorities



MAXIMIZING THE VALUE OF OUR ASSETS THROUGH SAFETY AND OPERATIONAL EXCELLENCE

- Promote safe operating practices to exceed safety targets and maximize the availability of assets
- Continue advancement of integrated Natural Gas Pipelines business to capture synergies
- Capture additional value through capital and operational efficiencies



EXECUTE OUR SELECTIVE PORTFOLIO OF GROWTH PROJECTS

- Execute high quality secured capital program and bring ~\$8.5 billion of assets into service
 - Including Southeast Gateway at ~US\$3.9 billion
- Deliver 2025E comparable EBITDA⁽¹⁾ of \$10.7 - \$10.9 billion⁽²⁾



ENSURE FINANCIAL STRENGTH AND AGILITY

- Prioritize low-risk, executable projects that maximize the spread between earned return and cost of capital
- Maintain commitment to annual net capital expenditures⁽³⁾ of \$6 - \$7 billion
- Continue deleveraging efforts towards our long-term target of
 4.75x debt-to-EBITDA⁽⁴⁾

SOLID GROWTH : LOW RISK : REPEATABLE PERFORMANCE

(1) Comparable EBITDA is a non-GAAP measure. See the forward-looking information and non-GAAP/supplementary financial measures slide at the front of this presentation and the Appendix for more information. (2) Foreign exchange assumption USD/CAD: 1.35. (3) Net capital expenditures is adjusted for the portion attributed to non-controlling interests and is a supplementary financial measure. See the forward-looking information and non-GAAP/supplementary financial measures slide at the front of this presentation for more information. (4) Debt-to-EBITDA is a non-GAAP ratio. Adjusted debt and adjusted comparable EBITDA are the non-GAAP measures used to calculate debt-to-EBITDA. See the forward-looking information and non-GAAP/supplementary financial measures slide at the front of this presentation and the Appendix for more information.

• Natural Gas Pipelines

Unique among our peers

- **:** Extensive and historic operations across North America
- **···** Key connectivity to supply and demand centers
 - Transport up to 30% of North American LNG feedgas demand
 - :: 165+ direct connections to power generators across North America
 - : Directly connect to 8 of the 10 largest LDCs in the U.S.
 - : Key positions in WCSB, Appalachia, Haynesville and Bakken
- ... Visible and attractive growth through the end of the decade
 - ·:· ~\$23 billion secured capital program⁽¹⁾







Multiple drivers support a long runway of growth

.... North American natural gas demand forecast to reach ~160 Bcf/d by 2035⁽¹⁾ Bcf/d +40 Bcf/d 180 150 120 90 LNG Demand 60 Power Residential Commerical 30 Industrial Other 0 2023 2027 2031 2035

Strategic pillar	2023 – 2035 Growth	TC Energy Potential Ir	TC Energy 1 development ⁽²⁾	
Next wave LNG LNG connectivity across Canada, the U.S. and Mexico	+26 Bcf/d North America LNG demand	9 Bcf/d	5+ Bcf/d	
Power generation Electrification, coal retirements, AI & data centers are key growth drivers	Up to 12 Bcf/d North America power demand	8 Bcf/d	~5 Bcf/d	-
LDC energy reliability Utilities contract for demand peaks, bolstering reliability	+2 Bcf/d North America LDC demand	1+ Bcf/d	1+ Bcf/d	-(1
Supply access Connecting the lowest-cost supply to the highest-value markets	+40 Bcf/d North America natural gas production	5 Bcf/d	2 Bcf/d	-
Maintenance & modernization Projects support the safe and reliable delivery of record volumes		\$2.5 billion Annual investment in maintenance & modernization		-0

Capturing next wave LNG opportunities across the continent Global LNG demand to reach 85+ Bcf/d by 2035



• Growing our ~30% market share in a growing market

Source: TC Energy internal data and forecast.

Unrivaled footprint supporting growth in power demand

Power sector continues to set records, supporting upside over the long term







Incremental renewable capacity increases need for on-demand, reliable, affordable natural gas

Data centers seeking the reliability of natural gas

Approximately two-thirds of 350+ data centers being built are within 50 miles of our assets



TC Energy North American data center opportunities /d in origination

Planned/under construction data centers in the U.S. within 50 miles



- ·: LDCs, power generators and direct connections all support data center demand growth
- North American data center demand could grow by 50+ GW by 2030
- 200+ data centers planned or under construction within 50 miles of TC Energy assets



Northwoods Project

Project highlights

Project on the ANR system

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- Serving power generation to support demand from data centres and overall economic development in the U.S. Midwest
- Long-term, take-or-pay contract with investment-grade counterparty



Well positioned for future opportunities on the ANR system⁽²⁾



Exemplifies our pipeline of high-value growth opportunities

(1) Build multiple is a metric calculated by dividing expected capital expenditures by expected comparable EBITDA. Please note our method for calculating build multiple may differ from methods used by other entities. Therefore, it may not be comparable to similar measures presented by other entities. See the forward-looking information and non-GAAP/supplementary financial measures slide at the front of this presentation for more information. (2) Sources: TC Energy internal data, Arbo – an energy infrastructure analytics firm, U.S. EIA. (3) U.S. EIA.

Significant opportunity in coal retirements

225 operating coal plants in the U.S. with over 25% of capacity slated to retire by 2040



Pulaski Project

~US\$0.4 billion capital cost
0.2 Bcf/d capacity
6.5x build multiple⁽¹⁾
2029E in-service

Maysville Project

~US\$0.4 billion capital cost
0.2 Bcf/d capacity
6.2x build multiple
2029E in-service

ANR Heartland

US\$0.9 billion capital cost 0.5 Bcf/d capacity 6.0x build multiple 2027E in-service

TVA Expansion

US\$30 million capital cost 0.2 Bcf/d capacity 3.5x build multiple 2025E in-service

Coal retirements within 15 miles



US\$2.4 billion investment in coal-to-gas switching with in-service 2025E – 2029E

Source: TC Energy internal data and forecast; US Energy Information Administration - plants sized by approximate capacity (1) Build multiple is a metric calculated by dividing expected capital expenditures by expected comparable EBITDA. Please note our method for calculating build multiple may differ from methods used by other entities. Therefore, it may not be comparable to similar measures presented by other entities.

Southeast Gateway: ready to deliver natural gas to fuel Mexico's economic growth



Source: TC Energy internal data and forecast; Comisión Federal de Electricidad (CFE) - plants sized by approximate capacity. (1) Internal estimate based on CFE fourth quarter 2024 investor presentation, excluding projects already placed in-service. (2) Sources: U.S. EIA, SENER.

- Southeast Gateway pipeline ready for service, less than 3 years from FID and 13% under budget
 - CFE has agreed to the contracted rate and accepted all requirements for in-service
 - **CNE approval** expected by end of May to achieve in-service
- Our assets strategically positioned to support the operations of 10 of 14 planned natural gas power plants



Natural gas plays an important role in power sector emissions reductions Managing methane emissions through operational innovation





(1) Reduced sector emissions relative to 2005; Source: U.S. Energy Information Administration.

(2) National Inventory Report 1990 – 2022: Greenhouse Gas Sources and Sinks in Canada, AESO.

(3) Methane emissions attributed to Scope 1 emissions.

(4) Comparable EBITDA is a non-GAAP measure. See the forward-looking information and non-GAAP/supplementary financial measures slide at the front of this presentation and the Appendix for more information.

Pipeline and storage capacity underpin energy reliability for LDCs

LDC customers secure capacity to meet peak day demands

- 50+ Bcf/d difference between annual average and peak day U.S. LDC demand
- Storage plays a critical role in supporting LDC energy reliability
 - :: 532 Bcf U.S. natural gas storage capacity
 - 9th consecutive year of 100% storage capacity contracting
 - Storage supports key TC Energy assets with the ability to meet ~35% of peak-day deliveries



SE Virginia Energy Storage Project

Serving LDC peak demand and mitigating pricing exposure US\$0.3 billion capital cost
0.1 Bcf/d deliverability
5.7x build multiple⁽¹⁾
2030E in-service



Source: TC Energy internal data and forecast.

(1) Build multiple is a metric calculated by dividing expected capital expenditures by expected comparable EBITDA. Please note our method for calculating build multiple may differ from methods used by other entities. Therefore, it may not be comparable to similar measures presented by other entities.

Clear growth visibility through 2030+

Next Wave LNG

- : Gillis Access Extension | 2026 2027
- 🕂 Cedar Link Project | 2028

LDC Energy Reliability

- **Eastern Panhandle Project | 2025**
- 🔅 Ventura XPress Project | 2025
- 🕂 VR Project | 2025
- : SE Virginia Energy Storage Project | 2030

B Power Generation

- 🔅 Southeast Gateway Project | 2025
- 🕂 TVA Expansion Project | 2025
- 🕂 WR Project | 2025
- ANR Heartland Project | 2027
- Pulaski Project | 2029
- 🕂 Maysville Project | 2029
- 🔅 Northwoods Project | 2029

Supply Access

- 🔅 Bison XPress Project | 2026
- 🕆 Valhalla North & Berland River Project | 2026
- 😧 NGTL Multi-Year Growth Plan | 2027 2030



(1) Return on equity on 40 per cent deemed common equity, not applicable to Cedar Link which is under long-term contracts.

(2) Related to U.S. and Mexico Natural Gas Pipelines projects. Build multiple is a metric calculated by dividing capital expenditures by comparable EBITDA. Please note our method for calculating

build multiple may differ from methods used by other entities. Therefore, it may not be comparable to similar measures presented by other entities.

Unique among our peers

Longstanding, extensive operations across North America with visible growth through 2030 and beyond



Safety

. In 2024, achieved the best safety performance in the past 5 years



Operational Excellence

Natural Gas Pipelines integration driving efficiency and value

Compression reliability supports record deliveries



Project Origination & Execution

· Deliver projects on time and on budget



✤ Record comparable EBITDA⁽¹⁾ performance in 2024

(1) Comparable EBITDA is a non-GAAP measure. See the forward-looking information and non-GAAP/supplementary financial measures slide at the front of this presentation and the Appendix for more information.

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Power and Energy Solutions



(1) TC Energy has 48.3% ownership. (2) 2025 full-year outlook. Defined as the percentage of time the plant was available to generate power, regardless of whether it was running. Excludes MCR outage days. (3) Comparable EBITDA is a non-GAAP measure. See the forward-looking information and non-GAAP/supplementary financial measures slide at the front of this presentation and the Appendix for more information.

Nuclear and storage essential to meet Ontario's growing electricity demand

Pathway Scenario – Installed Capacity in 2050 (MW)⁽¹⁾



BRUCE POWER MCR PROGRAM

- Sanctioned Unit 5 MCR
- MCR Unit 3 & 4 tracking cost and schedule
- MCR Program advances availability & reliability

BRUCE C

Up to 4,800 MW

- Federal Impact Assessment underway
- Federal government contributing up to \$50 million for ongoing pre-development work
- Up to 4,800 MW of proposed nuclear capacity

ONTARIO PUMPED STORAGE

1,000 MW

- Advancing pre-development work following the Ontario Government's investment of up to \$285 million
- The project is targeting FID in 2028
- 1,000 MW of storage capacity

🕈 Bruce Power site; Ontario, Canada

Bruce Power – a world class nuclear generation facility

Solid growth

- Non-emitting energy serving ~30% of Ontario electricity generation at ~30% less than the average residential cost
- MCR and uprate programs offer investment into 2030s
- : Global leader in the production of cancer treating isotopes

Low risk

- Long-term contract with Ontario IESO to 2064
- No liability for decommissioning or long-term storage of spent fuel
- Localized supply chain drives efficiencies; ~90% of spend in Ontario

Repeatable performance

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- Safe, reliable operations for over
 48 years
- Existing infrastructure supports additional capacity through repeatable model

MCR program – a repeatable model driving value



—— MCR unit outage 🔶 MCR-related price increase⁽¹⁾

MCR program highlights

- Unit 6 completed on budget, ahead of schedule and with an industry-best safety record
- : Unit 3 & 4 tracking cost and schedule
- Contract price adjusted annually for cost escalation and to account for capital investments
- Each refurbishment adds approximately 35+ years of operational life

Bruce Power MCR 3

\$1.1 billion net capital cost⁽²⁾ ~800 MW nameplate capacity⁽³⁾ Low double-digit unlevered after-tax IRR⁽⁴⁾ 2026E in-service

Bruce Power MCR 4

\$0.9 billion net capital cost⁽²⁾ ~800 MW nameplate capacity⁽³⁾ Low double-digit unlevered after-tax IRR⁽⁴⁾ 2028E in-service

Bruce Power MCR 5

\$1.1 billion net capital cost⁽²⁾ ~800 MW nameplate capacity⁽³⁾ Low double-digit unlevered after-tax IRR⁽⁴⁾ 2030E in-service

(1) Adjustments due to asset management work not shown but occur every third year starting in 2016. (2) Net capital cost is attributable to TC Energy's 48.3% proportional share.

(3) Nameplate capacity – or net peak output – refers to when all operating conditions are optimal.

(4) Unlevered after-tax internal rate of return is a non-GAAP measure. See the forward-looking information and non-GAAP/supplementary financial measures slide at the front of this presentation and the Appendix for more information.

Optimizing existing assets to drive significant growth



Equity income expected to nearly double post-MCR and Project 2030⁽¹⁾



Project 2030 adds the equivalent of a ninth large-scale reactor without significant additional infrastructure

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Leverage and enhance capabilities for lower-carbon growth

Positioning TC Energy for a lower carbon future by:

Enhancing and preserving value of existing infrastructure

Ensuring our natural gas networks remain well utilized

Diversification

Identify new business opportunities that align with our value proposition

Building internal capabilities in technologies adjacent to our core Natural Gas Pipelines business

- Pilot development & venture investments
 - : Support emission reduction efforts across Natural Gas Pipelines business
 - ·: Proactive market & technology engagement to better understand pace of transition
 - ·: Develop internal capabilities to enhance success of deploying new technologies
 - : Small, strategic investments that seek to generate outsized returns



High-grade opportunities that align with our value proposition

Solid growth, low risk, repeatable performance



Anchored by nuclear power

- program and Project 2030 expected to generate solid returns
- Continued optionality for future investment opportunities

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Maximizing the value of the natural gas generation and storage portfolio

Rising electricity demand supports position in reliable gas fired generation and storage capacity

Developing capabilities in low (co,) carbon technologies

··· Perpetuate the value of existing natural gas infrastructure

Create pathways for future growth opportunities

Financial outlook

Our core principles

Long-term view grounded in fundamentals

- 93,700 km of irreplaceable natural gas pipelines connect lowest-cost supply basins to highest-demand markets
- Differentiated power business anchored in nuclear generation

Alignment to evolving energy mix

Adherence to conservative risk preferences

- ✓ ~97% of comparable EBITDA⁽¹⁾ underpinned by rate-regulation and/or take-or-pay contracts
- Appropriate allocation of cost and schedule risk

Disciplined capital allocation

- Maintain commitment to annual net capital expenditures⁽²⁾ of \$6 - \$7 billion
- ✓ Invest in projects that maximize the spread between earned return and cost of capital

Financial strength and agility

Manage to upper limit of 4.75 times debt-to-EBITDA⁽³⁾

25 consecutive years of dividend increases with competitive payout ratios

(1) Comparable EBITDA is a non-GAAP measure. See the forward-looking information and non-GAAP/supplementary financial measures slide at the front of this presentation and the Appendix for more information.

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Appendix for more information.
Comparable EBITDA⁽¹⁾ outlook demonstrates solid, repeatable growth



Tailwinds & headwinds to comparable EBITDA outlook

- Revenue enhancements and rate case outcomes
- Availability of our Power and Energy Solutions assets and Alberta power prices
- Capital and operational efficiencies
- Timing of assets placed into service
- Foreign exchange movements (USD/CAD; USD/MXN)

2025 Foreign exchange sensitivities: $\Delta +/- \$0.01 \text{ USD/CAD} =$ $\Delta \text{ Comparable EBITDA: \$45 million}$ $\Delta \text{ Comparable EPS}^{(3)}$: minimal impact

(1) Comparable EBITDA is a non-GAAP measure. See the forward-looking information and non-GAAP/supplementary financial measures slide at the front of this presentation and the Appendix for more information.
 (2) Includes comparable EBITDA from continuing operations.
 (3) Minimal foreign exchange impact to 2025 comparable EPS due to hedging strategies. Comparable EPS is a non-GAAP measure. See the forward-looking information and non-GAAP/supplementary financial measures slide at the front of this presentation and the Appendix for more information.

Canadian Natural Gas Pipelines

Solid growth underpinned by rate-regulation





- ** ~\$150 \$200 million annual expected increase in comparable EBITDA under NGTL System five-year settlement
- Settlement enables a ~\$3.3 billion multi-year growth program⁽³⁾
- \$0.9 billion secured growth capital coming into service for NGTL System 2026 – 2027+⁽⁴⁾
- ** *\$700 \$800 million average annual recoverable maintenance capital

(1) Comparable EBITDA is a non-GAAP measure. See the forward-looking information and non-GAAP/supplementary financial measures slide at the front of this presentation and the Appendix for more information. (2) Return on equity on 40 per cent deemed common equity excluding Coastal GasLink and Cedar LNG. (3) Comprised of multiple distinct projects with targeted in-service dates between 2027 and 2030 that are subject to final company and regulatory approvals. (4) Based on first quarter 2025 MD&A.

U.S. Natural Gas Pipelines

Significant opportunities to maximize risk-adjusted returns



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Mexico Natural Gas Pipelines Material inflection in 2025





- Southeast Gateway pipeline ready for service, less than 3 years from FID and 13% under budget
 - **CFE has agreed** to the contracted rate and accepted all requirements for in-service
 - : CNE approval expected by end of May to achieve in-service
- Strong, stable cash flow generated by long-term, take-or-pay, USD-denominated contracts
- Manage net economic exposure toward
 ~10% of comparable EBITDA over time

(1) Comparable EBITDA is a non-GAAP measure. See the forward-looking information and non-GAAP/supplementary financial measures slide at the front of this presentation and the Appendix for more information. (2) Build multiple is a metric calculated by dividing expected capital expenditures by expected comparable EBITDA. Please note our method for calculating build multiple may differ from methods used by other entities. Therefore, it may not be comparable to similar measures presented by other entities. (3) Unlevered after-tax internal rate of return is a non-GAAP measure. See the forward-looking information and non-GAAP/supplementary financial measures slide at the front of this presentation and the Appendix for more information. Note: Average forecast foreign exchange assumption USD/CAD: 1.35.

Power and Energy Solutions

High quality, long-term growth visibility

Comparable EBITDA⁽¹⁾ \$Billions





LOW **DOUBLE-DIGIT** ATIRR⁽²⁾ AT **BRUCE POWER**

- Largely underpinned by long-term contracts •••• with creditworthy counterparties
- Bruce Power: •
 - Unit 3 MCR began in 2023 and is progressing on plan with expected return to service in 2026
 - Unit 4 offline for its MCR program as of January 31, 2025
 - Sanctioned Unit 5 MCR; expected to • commence in fourth guarter 2026

(1) Bruce Power represents TC Energy's share of equity income. Comparable EBITDA is a non-GAAP measure. See the forward-looking information and non-GAAP/supplementary financial measures slide at the front of this presentation and the Appendix for more information. (2) Unlevered after-tax internal rate of return is a non-GAAP measure. See the forward-looking information and non-GAAP/supplementary financial measures slide at the front of this presentation and the Appendix for more information.

Realizing capital efficiencies and optimization

Net sanctioned and pending approval capital expenditures⁽¹⁾



(1) Net capital expenditures is adjusted for the portion attributed to non-controlling interests and is a supplementary financial measure. See the forward-looking information and non-GAAP/supplementary financial measures slide at the front of this presentation for more information. Note: Includes capitalized interest and debt AFUDC. (2) Comparable EBITDA is a non-GAAP measure. See the forward-looking information and non-GAAP/supplementary financial measures slide at the front of this presentation and the Appendix for more information. Note: Average forecast foreign exchange assumption USD/CAD: 1.35.

Disciplined and strategic sanctioned capital spending

Net capital expenditures⁽¹⁾

\$Billions

Targeted \$6 – \$7 billion annual net capital expenditure range



Continue to fill our capital program with high-value projects

- Sanctioned ~\$4 billion of growth projects in the past six months
 - Compelling build multiples⁽²⁾
 in the 5 7x range
- Expect to sanction additional incremental growth projects in 2025 and into 2026

Ability to sanction incremental projects with average build multiples of 5 – 7 times

(1) Net capital expenditures is adjusted for the portion attributed to non-controlling interests and is a supplementary financial measure. See the forward-looking information and non-GAAP/supplementary financial measures slide at the front of this presentation for more information. Note: Includes capitalized interest and debt AFUDC, forecast foreign exchange assumption USD/CAD: 1.35. (2) Build multiple is a metric calculated by dividing expected capital expenditures by expected comparable EBITDA. Please note our method for calculating build multiple may differ from methods used by other entities. Therefore, it may not be comparable to similar measures presented by other entities. See the forward-looking information and non-GAAP/supplementary financial measures slide at the front of this presentation for more information.

Funding our capital program 2025E – 2027E

\$Billions



- Low-risk business model provides stability of cash flows
- Sufficient investment capacity for sustainable growth
- Continued optimization of capital expenditures
 - Supports flexibility to fund incremental growth

• Optimizing funding program to support accretive growth opportunities

(1) NCI distributions reflect non-controlling interest distributions after capital expenditures and debt recapitalization. (2) Comparable funds generated from operations is presented on a gross basis and is a non-GAAP measure. See the forward-looking information and non-GAAP/supplementary financial measures slide at the front of this presentation and the Appendix for more information.

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Low-risk, utility-like business supports leverage

Average debt-to-EBITDA⁽¹⁾ vs. credit rating 100 7.50x % rate-regulated or take-or-pay 2024A comparable EBITDA⁽²⁾ 6.50x **Utilities Peer** Debt-to-EBITDA 5.50x Average: **5.7x** ~95% ~97% ())TCEnergy raterate-4.50x regulated or regulated or ~61% take-or-pay take-or-pay **Midstream Peer** Average: 3.7x 3.50x rateregulated or take-or-pay 2.50x А A -BBB+ BBB BBB -0 Average credit rating 3.0x 6.5x 5.7x 3.7x TC Energy Midstream Utilities 4.75x Debt-to-EBITDA Utility Midstream ()) TC Energy peer average peer average

% rate-regulated or take-or-pay vs. average debt-to-EBITDA⁽¹⁾

TC Energy is one of two midstream peers with an 'Excellent' business risk profile

Source: TC Energy reflects long-term debt-to-EBITDA target and S&P business risk profile as of March 26, 2025. Peer debt-to-EBITDA (2023) and business risk profile reflect S&P figures as of March 26, 2025. Per cent rate-regulated or take-or-pay sourced from investor materials. (1) Debt-to-EBITDA is a non-GAAP ratio. Adjusted debt and adjusted comparable EBITDA are the non-GAAP measures used to calculate debt-to-EBITDA. See the forward-looking information and non-GAAP/supplementary financial measures slide at the front of this presentation and the Appendix for more information. (2) Comparable EBITDA is a non-GAAP measure. See the forward-looking information and non-GAAP/supplementary financial measures slide at the front of this presentation and the Appendix for more information.

Modelling notes

Interest rates	 Debt portfolio ~88% fixed rate; long-term debt with average term of ~19 years to final maturity Regulatory and commercial arrangements mitigate impact of rate movements Interest rate sensitivity: Δ +/- 25 bps Financial charges: \$10 million Comparable EPS⁽¹⁾: ~\$0.01
Income tax	 Expected normalized income tax rate in the mid twenties Split between current and deferred oscillates in 30% – 60% band
Depreciation	 On average represents ~2.5% of gross plant, property and equipment per annum Lever to manage return of capital based on expected economic life of assets
Foreign exchange	 Structurally long ~US\$1.3 billion per annum after-tax income; actively hedge residual exposure over rolling 36-months 2025 comparable EPS⁽¹⁾ hedged at an average rate of 1.36 2025 Foreign exchange sensitivity: Δ +/- \$0.01 USD/CAD EBITDA: \$45 million Comparable EPS⁽¹⁾: minimal impact, ~\$0.01 on long-term
Debt-to- EBITDA ⁽²⁾	 Leverage sensitivity: ~\$200 million comparable EBITDA⁽¹⁾ = 0.1x debt-to-EBITDA ~\$1 billion capital or debt reduction = 0.1x debt-to-EBITDA

Note: As of first quarter 2025 financial results.

(1) Comparable EBITDA and comparable EPS are non-GAAP measures. See the forward-looking information and non-GAAP measures slide at the front of this presentation and the Appendix for more information. (2) Debt-to-EBITDA is a non-GAAP ratio. Adjusted debt and adjusted comparable EBITDA are the non-GAAP measures used to calculate debt-to-EBITDA. See the forward-looking information and non-GAAP/supplementary financial measures slide at the front of this presentation and the Appendix for more information.

Debt portfolio notes

Portfolio weighted average pre-tax coupon vs. 10-year yields







- Appendix

Non-GAAP reconciliations

Appendix A: Comparable EBITDA

Appendix B: Net Income (loss) to comparable earnings

Appendix C: Net cash provided by operations to Comparable funds generated from operations

Appendix D: Adjusted Debt/Adjusted Comparable EBITDA (Debt-to-EBITDA)

Appendix E: Segmented earnings and Comparable EBITDA

Appendix F: Unlevered after-tax internal rate of return

Appendix G: Comparable funds generated from operations

Appendix A – Non-GAAP reconciliations – Comparable EBITDA⁽¹⁾

(Millions of dollars)

	Three mo ended Mar		
—	2025	2024 ⁽²	
 Total segmented earnings (losses)	1,966	1,947	
Interest expense	(840)	(780)	
Allowance for funds used during construction	248	157	
Foreign exchange gains (losses), net	43	27	
Interest income and other	51	75	
Income (loss) from continuing operations before income taxes	1,468	1,426	
Income tax (expense) recovery from continuing operations	(293)	(244)	
Net income (loss) from continuing operations	1,175	1,182	
Net income (loss) from discontinued operations, net of tax	—	215	
Net income (loss)	1,175	1,397	
Net (income) loss attributable to non-controlling interests	(169)	(171)	
Net income (loss) attributable to controlling interests	1,006	1,226	
Preferred share dividends	(28)	(23)	
Net income (loss) attributable to common shares	978	1,203	
	Three mo		
_	ended Mar		
_	2025	2024 ⁽³	
Comparable EBITDA ⁽¹⁾ from continuing operations	2,709	2,670	
Depreciation and amortization	(678)	(635)	
Interest expense	(840)	(780)	
Allowance for funds used during construction	248	157	
Foreign exchange gains (losses), net included in comparable earnings	(10)	43	
Interest income and other	51	75	
Income tax (expense) recovery included in comparable earnings Net (income) loss attributable to non-controlling interests included in	(292)	(281)	
comparable earnings	(177)	(171)	
Preferred share dividends	(28)	(23)	
Comparable earnings ⁽¹⁾ from continuing operations	983	1,055	

(1) Comparable EBITDA and comparable earnings are non-GAAP measures. See the forward-looking information and non-GAAP/supplementary financial measures slide at the front of this presentation and the Appendix for more information. (2) Prior year results have been recast to reflect the split between continuing and discontinued operations. (3) Prior year results have been recast to reflect continuing operations only.

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Appendix B – Non-GAAP reconciliations – Net Income (loss) to comparable earnings⁽¹⁾

(Millions of dollars, except per share amounts)

	Three months ended March 31	
	2025	2024 ⁽²⁾
Net income (loss) attributable to common shares from continuing operations	978	988
Specific items (pre tax):		
Foreign exchange (gains) losses, net – intercompany loan	(3)	(55)
Expected credit loss provision on net investment in leases and certain contract		
assets in Mexico	(2)	(21)
Third-party settlement	—	34
Focus Project costs	—	10
Bruce Power unrealized fair value adjustments	(10)	5
Risk management activities	19	131
Tax related to specific items	1	(37)
Comparable earnings ⁽¹⁾	983	1,055
Net income (loss) per common share from continuing operations	0.94	0.95
Specific items (net of tax)	0.01	0.07
Comparable earnings per common share ⁽¹⁾ from continuing operations	0.95	1.02

(1) Comparable earnings and comparable earnings per common share are non-GAAP measures. See the forward-looking information and non-GAAP/supplementary financial measures slide at the front of this presentation and the Appendix for more information. (2) Prior year results have been recast to reflect continuing operations only.

Appendix C – Non-GAAP reconciliations – Net cash provided by operations to Comparable funds generated from operations^(1,2,3) (Millions of dollars)

	Three months ended March 31	
	2025	2024
Net cash provided by operations	1,359	2,042
Increase (decrease) in operating working capital	590	344
Funds generated from operations ⁽¹⁾	1,949	2,386
Specific items:		
Third-party settlement, net of current income tax	_	26
Liquids Pipelines business separation costs, net of current income tax	_	15
Focus Project costs, net of current income tax	_	9
Comparable funds generated from operations ⁽¹⁾	1,949	2,436

(1) Funds generated from operations and comparable funds generated from operations are non-GAAP measures. See the forward-looking information and non-GAAP/supplementary financial measures slide at the front of this presentation for more information. (2) Includes continuing and discontinued operations. (3) Represents three months of Liquids Pipelines earnings in first quarter 2024 compared to Liquids Pipelines earnings of nil for the three months ended March 31, 2025. Refer to 2024 Annual Report for additional information.

Appendix D – Non-GAAP reconciliations – Adjusted Debt/Adjusted Comparable EBITDA (Debt-to-EBITDA)

Adjusted debt and adjusted comparable EBITDA are non-GAAP measures used to compute the debt-to-EBITDA multiple. Each of adjusted debt and adjusted comparable EBITDA measures does not have any standardized meaning prescribed by GAAP and therefore, may not be comparable to similar measures presented by other companies.

Adjusted debt is defined as the sum of Reported total debt, including Notes payable, Long-Term Debt, Current portion of long-term debt and Junior Subordinated Notes, as reported on our Consolidated balance sheet as well as Operating lease liabilities recognized on our Consolidated balance sheet and 50 per cent of Preferred Shares as reported on our Consolidated balance sheet due to the debt-like nature of their contractual and financial obligations, less Cash and cash equivalents as reported on our Consolidated balance sheet and 50 per cent of Junior Subordinated Notes as reported on our Consolidated balance sheet and financial obligations.

Adjusted comparable EBITDA is calculated as the sum of comparable EBITDA from continuing operations and comparable EBITDA from discontinued operations excluding Operating lease costs recorded in Plant operating costs and other in our Consolidated statement of income and adjusted for Distributions received in excess of (income) loss from equity investments as reported in our Consolidated statement of cash flows, which is more reflective of the cash flows available to TC Energy to service our debt and other long-term commitments. See the forward-looking information and non-GAAP measures slide at the front of the presentation for more information.

Appendix D – Non-GAAP reconciliations – Adjusted Debt/Adjusted Comparable EBITDA⁽¹⁾ (Debt-to-EBITDA) (Millions of dollars)

	Year ended December 31		
	2024	2023	2022
Reported total debt	59,366	63,201	58,300
Management adjustments:			
Debt treatment of preferred shares ⁽²⁾	1,250	1,250	1,250
Equity treatment of junior subordinated notes ⁽³⁾	(5 <i>,</i> 524)	(5,144)	(5,248)
Cash and cash equivalents	(801)	(3 <i>,</i> 678)	(620)
Operating lease liabilities	511	457	430
Adjusted debt	54,802	56,086	54,112
Comparable EBITDA ⁽⁴⁾ from continuing operations	10,049	9,472	8,483
Comparable EBITDA from discontinued operations	1,145	1,516	1,418
Operating lease cost	117	105	95
Distributions received in excess of (income) loss from equity investments	67	(123)	(29)
Adjusted Comparable EBITDA	11,378	10,970	9,967
Adjusted Debt/Adjusted Comparable EBITDA	4.8	5.1	5.4

Year ended December 31

(1) Adjusted debt and adjusted comparable EBITDA are non-GAAP measures. The calculations are based on management methodology. Individual rating agency calculations will differ.

(2) 50 per cent debt treatment on \$2.5 billion of preferred shares as of December 31, 2024.

(3) 50 per cent equity treatment on \$11.0 billion of junior subordinated notes as of December 31, 2024. U.S. dollar-denominated notes translated at December 31, 2024, U.S./Canada foreign exchange rate of 1.44. (4) Comparable EBITDA is a non-GAAP measure. See the forward-looking information and non-GAAP/supplementary financial measures slide at the front of this presentation and the Appendix for more information.

Appendix E – Non-GAAP reconciliations – Segmented earnings and Comparable EBITDA

Comparable EBITDA⁽¹⁾ **outlook** *from continuing operations* (Billions of dollars)



Appendix F – Non-GAAP measures – Unlevered after-tax internal rate of return

Unlevered after-tax internal rate of return represents the expected compound annual return of a project or investment, and prior to any assumption of debt and/or equity financing. Unlevered after-tax internal rate of return may be calculated using different assumptions depending on the project or business segment. Unlevered after-tax internal rate of return is a non-GAAP measure which does not have any standardized meaning under U.S. GAAP and is therefore unlikely to be comparable to similar measures presented by other companies. See the forward-looking information and non-GAAP measures slide at the front of the presentation for more information. We believe Unlevered after-tax internal rate of return is a useful measure to evaluate expected project returns relative to established hurdle rates and/or alternative projects being considered for capital allocation purposes.

Appendix G – Non-GAAP reconciliations – Comparable funds generated from operations (FGFO)

Comparable FGFO or "comparable funds generated from operations" is a non-GAAP measure which does not have any standardized meaning under U.S. GAAP and is therefore unlikely to be comparable to similar measures presented by other companies. The most directly comparable measure is net cash provided by operations presented in our financial statements. See the forward-looking information and non-GAAP/supplementary financial measures slide at the front of the presentation for more information. Our future period comparable FGFO disclosed in this presentation does not include any anticipated results from our Liquids Pipelines business segment. Historical comparable FGFO for 2024 and 2023 were \$7.9 billion and \$8.0 billion respectively, including the results of our Liquids Pipelines business. Our full-year net cash provided by operations for 2024 and 2023 were \$7.7 billion and \$7.3 billion, respectively.

We believe comparable FGFO is a useful measure of our consolidated operating cash flows because it excludes fluctuations from working capital balances, which do not necessarily reflect underlying operations in the same period, and is used to provide a consistent measure of the cash-generating ability of our businesses.

Appendix G – Non-GAAP reconciliations – Comparable funds generated from operations (FGFO)

(Millions of dollars)		December 31	
		2023	
Net cash provided by operations	7,696	7,268	
Increase (decrease) in operating working capital	(199)	(207)	
Funds generated from operations	7,497	7,061	
Specific items:			
Liquids Pipelines business separation costs, net of current income tax	185	40	
Current income tax (recovery) expense on sale of PNGTS and non-core assets	148	_	
Third-party settlement, net of current income tax	26	_	
Focus Project costs, net of current income tax	21	54	
NGTL System ownership transfer costs	10	_	
Current income tax (recovery) expense on risk management activities	9	_	
Current income tax (recovery) expense on Keystone XL asset impairment charge and other	(3)	(14)	
Current income tax (recovery) expense on Keystone regulatory decisions	(3)	53	
Current income tax expense on disposition of equity interest ⁽¹⁾	_	736	
Milepost 14 insurance expense	_	36	
Keystone XL preservation and other, net of current income tax		14	
Comparable funds generated from operations	7,890	7,980	

Includes continuing and discontinued operations. Represents nine months of Liquids Pipelines earnings in 2024 compared to a full year of Liquids Pipelines earnings in 2023. Refer to our 2024 Annual Report for additional information. (1) Current income tax expense related to applying an approximate 24 per cent tax rate to the tax gain on sale of a 40 per cent non-controlling equity interest in Columbia Gas and Columbia Gulf. This is offset by a corresponding deferred tax recovery resulting in no net impact to tax expense.