



2021 Market Update

ESG Overview, Business Update and 2022 Outlook

TSX: PPL; NYSE: PBA

December 8, 2021



Pembina Team and Agenda



Randall Findlay
Chair of the Board



Scott Burrows
Interim President &
Chief Executive Officer



Janet Loduca
Senior Vice President,
External Affairs & Chief
Legal and Sustainability
Officer



Jaret Spratt
Senior Vice President &
Chief Operating Officer,
Facilities



Harry Andersen
Senior Vice President &
Chief Operating Officer,
Pipelines



Stuart Taylor
Senior Vice President,
Marketing and New
Ventures & Corporate
Development Officer



Cameron Goldade
Interim Chief
Financial Officer

Agenda:

Opening Remarks

ESG Overview

Industry Conditions & Business Update

2022 Guidance and Capital Budget

Projects

Closing Remarks

Q&A

Forward-looking Information and Non-GAAP and Other Financial Measures

Forward-Looking Statements and Information

This presentation contains certain forward-looking statements and information, including certain financial outlooks (collectively, “forward-looking statements”) that are based on Pembina's expectations, estimates, projections and assumptions in light of its experience and its perception of historical trends as well as current market conditions and perceived business opportunities. In some cases, forward-looking statements can be identified by terminology such as "expect", "will", "plans", "commit", "to be", "estimate", "strategy", "remain", "guidance", "develop", "potential", "continue", "could", "create", "keep", and similar expressions suggesting future events or future performance.

In particular, this presentation contains forward-looking statements, including certain financial outlooks, pertaining to, without limitation: Pembina's corporate strategy and the development of new business initiatives and growth opportunities; intentions around share repurchases by mid-2022; expectations and guidance regarding adjusted EBITDA, discretionary free cash flow and ROIC; construction of, or expansions on existing, deferred or new projects, as well as the impact of Pembina's projects on its future financial performance; plans regarding Pembina's allocation of capital; expectations about industry activities, trends and development opportunities; estimated project costs; plans and strategies to improve environmental, social and governance performance; Pembina's greenhouse gas emissions targets; plans and results related to development of a carbon dioxide transportation and sequestration system with TC Energy Corporation; expectations and plans regarding the proposed development of Cedar LNG; Pembina's indigenous led partnership to pursue ownership of the Trans Mountain Pipeline (the "Chinook Pathways Partnership"), including the key investment parameters; Pembina's financial guardrails; financial outlook and expectations; and expected future cash flows, including the sufficiency and expected uses thereof.

Forward-looking statements are not guarantees of future performance. Actual events and results could be significantly different because of assumptions, risks or uncertainties related to Pembina's business or events. As a result, undue reliance should not be placed on these forward-looking statements as they are subject to uncertainty. We do not update our forward-looking statements due to new information or future events unless required by law. Our forward looking statements are based on certain assumptions made by Pembina as of the date hereof, and are subject to certain risk and uncertainties, regarding, among other things: that favourable circumstances continue to exist in respect of current operations and current and future growth projects; that favourable market conditions exist, and that Pembina has available capital, for share repurchases; the availability of capital to fund future capital requirements relating to existing assets and projects; that all proposed and future projects will proceed and be placed into service in accordance with timing and budget expectations; oil and gas industry exploration and development activity levels and the geographic region of such activity; prevailing regulatory, tax and environmental laws and regulations; the ability of Pembina to maintain favourable credit ratings; projected capital investment levels, the flexibility of capital spending plans and associated sources and availability of funding; projected capital investment levels; future cash flows, cash balances on hand and access to credit and demand facilities being sufficient to fund capital investments, including the Cedar LNG Project, the Chinook Pathways Partnership and other growth projects; prevailing commodity prices, interest rates, carbon prices, tax rates and exchange rates; anticipated strip prices; future operating costs; geotechnical and integrity costs; that all required regulatory, environmental approvals and other approvals can be obtained on the necessary terms in a timely manner; that there are no unforeseen and unrecoverable material costs relating to the relevant facilities; maintenance of operating margins; accounting estimates and judgments; the success of Pembina's COVID-19 workplace policies; and other risks, uncertainties and assumptions described from time to time in the reports and filings filed by Pembina with Canadian securities regulators.

Additional information on the assumptions made, and the risks and uncertainties which could cause actual results to differ from the anticipated results are detailed in Pembina's restated management's discussion and analysis for the year ended December 31, 2020, which was filed on SEDAR on November 18, 2021 (the “Annual MD&A”), Pembina's restated annual information form for the year ended December 31, 2020, which was filed on November 18, 2021, and from time to time in Pembina's public disclosure documents available at www.sedar.com, www.sec.gov and through Pembina's website at www.pembina.com. The Financial outlooks contained in this presentation are provided by management to provide an indication of Pembina's potential future operating performance and may not be appropriate for other purposes.

Non-GAAP and Other Financial Measures

This presentation contains references to certain financial measures that are not specified, defined or determined in accordance with generally accepted accounting principles ("GAAP") and which are not disclosed in Pembina's financial statements and, therefore, may not be comparable to similar measures reported by other entities. Management uses these non-GAAP financial measures to provide additional useful information respecting Pembina's financial performance, financial condition and cash flows to investors and analysts. These non-GAAP measures include adjusted EBITDA, fee-based contribution to adjusted EBITDA, fee-based distributable cash flow, funds from operations to debt (“FFO/Debt”) and ROIC. Reconciliations to the most directly comparable GAAP measures are included at the conclusion of this presentation and in the management's discussion and analysis of Pembina for the three and nine months ended September 30, 2021 (the "Interim MD&A") and the Annual MD&A filed with Canadian securities regulations, which are available at www.sedar.com, www.sec.gov and through Pembina's website at www.pembina.com.



Opening Remarks

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Message from the Chair on Behalf of the Board of Directors



Randall J. (Randy) Findlay
Chair of the Board



Anne-Marie Ainsworth



Cynthia Carroll



Robert G. Gwin



Maureen E. Howe



Gordon J. Kerr



David M.B. LeGresley



Leslie O'Donoghue



Bruce D. Rubin



Henry W. Sykes

What You Will Hear Today

- Strategy, which has generated industry leading returns, remains intact
- ESG is aligned with Pembina's Purpose and is being embraced as a source of advantage
- Extensive tailwinds across our business
- 2022 adjusted EBITDA guidance of \$3.35 to \$3.55 billion
- Fully funded 2022 capital program of \$665 million
- Expect to repurchase up to \$200 million of common shares
- Phase VII Peace Expansion project tracking \$110 million under budget, now expected to be in service in mid-2022
- Agreement with a second Montney producer for NEBC liquids egress
- Successful open seasons on Alliance Pipeline
- Continue to progress pre-FID activities for Cedar LNG

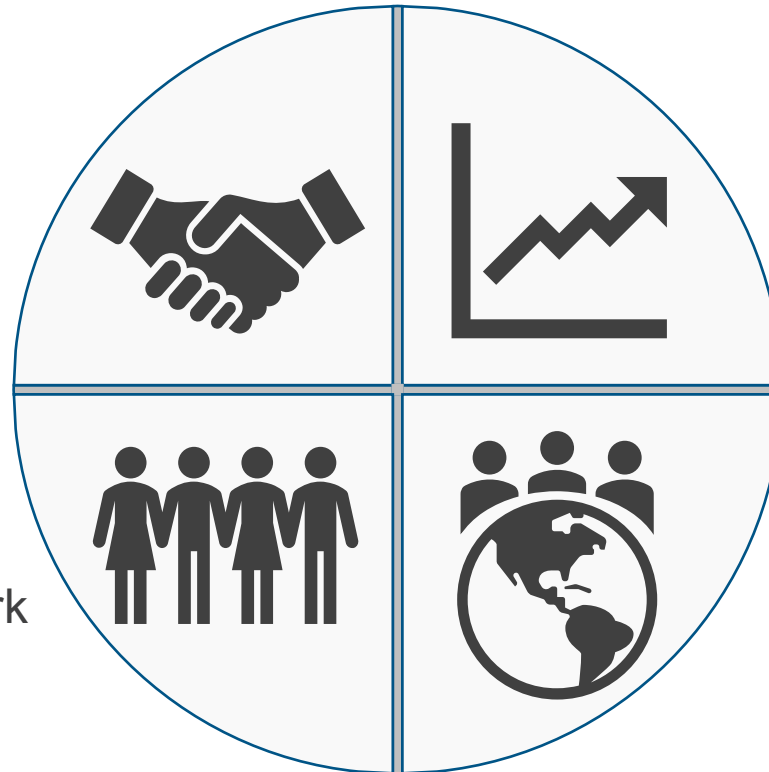


Purpose of Pembina

To be the leader in delivering integrated infrastructure solutions connecting global markets:

Customers choose us first for reliable and value-added services

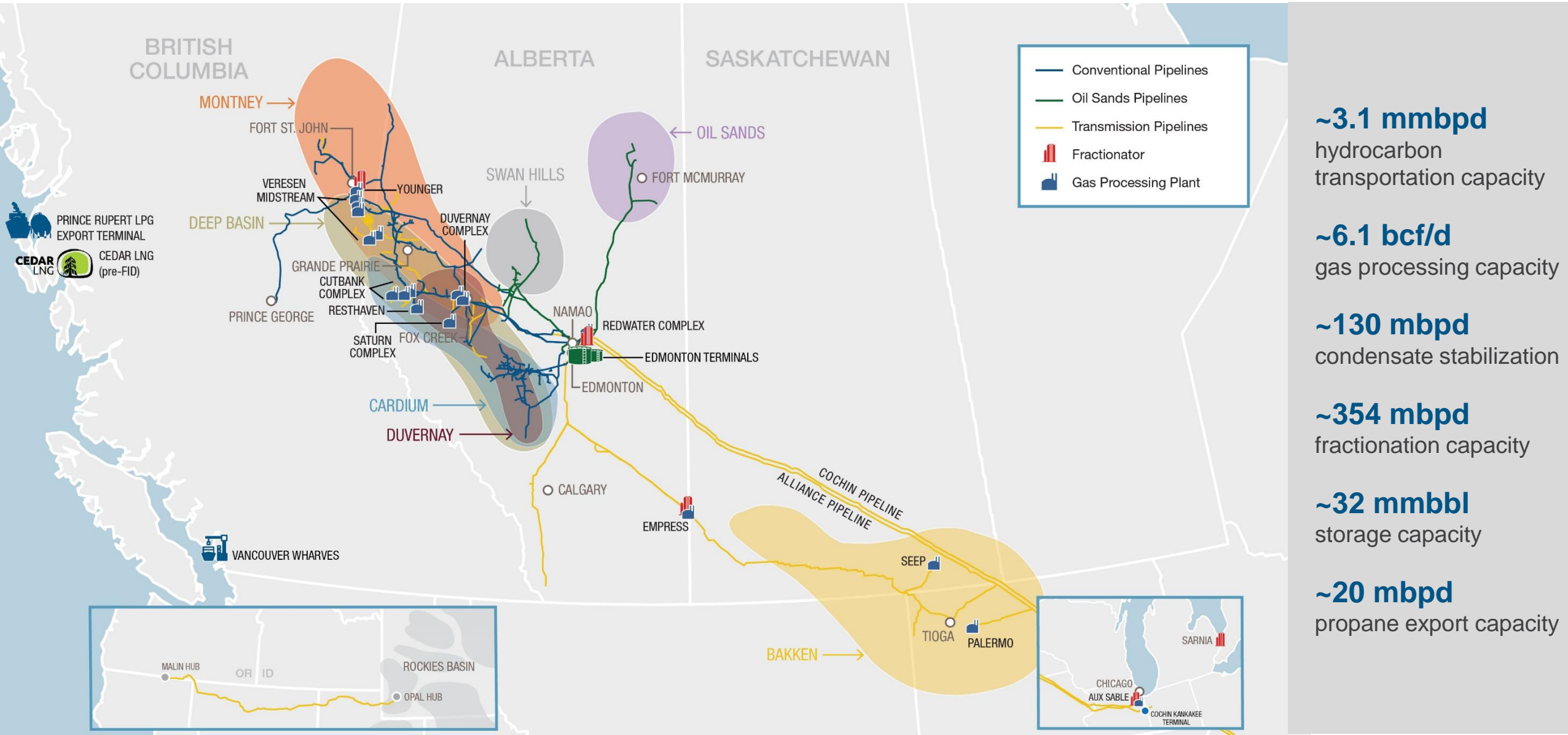
Employees say we are the 'employer of choice' and value our safe, respectful, collaborative, and inclusive work culture



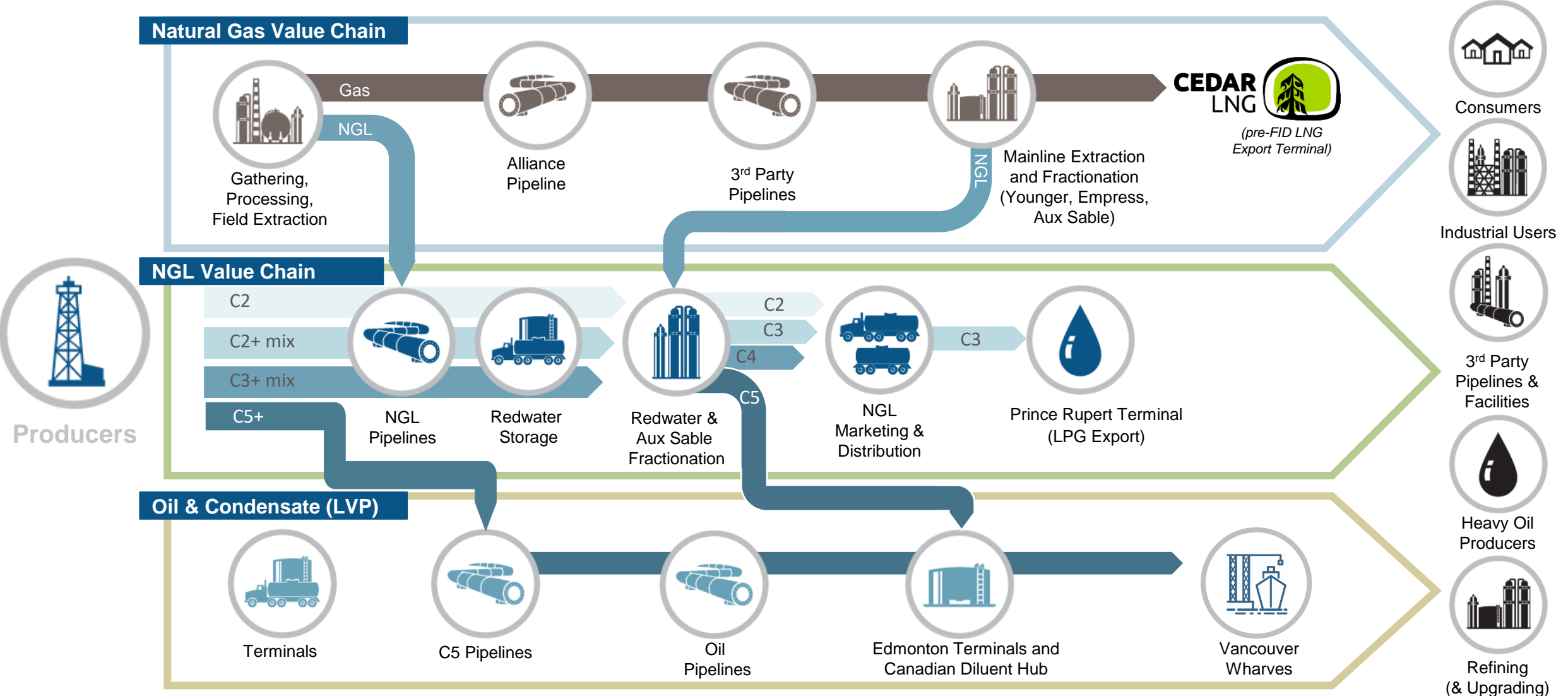
Investors receive sustainable industry-leading total returns

Communities welcome us and recognize the net positive impact of our social and environmental commitment

Diversified and Integrated Transportation and Midstream Assets



The Pembina Store



Integrated service offering drives lasting value

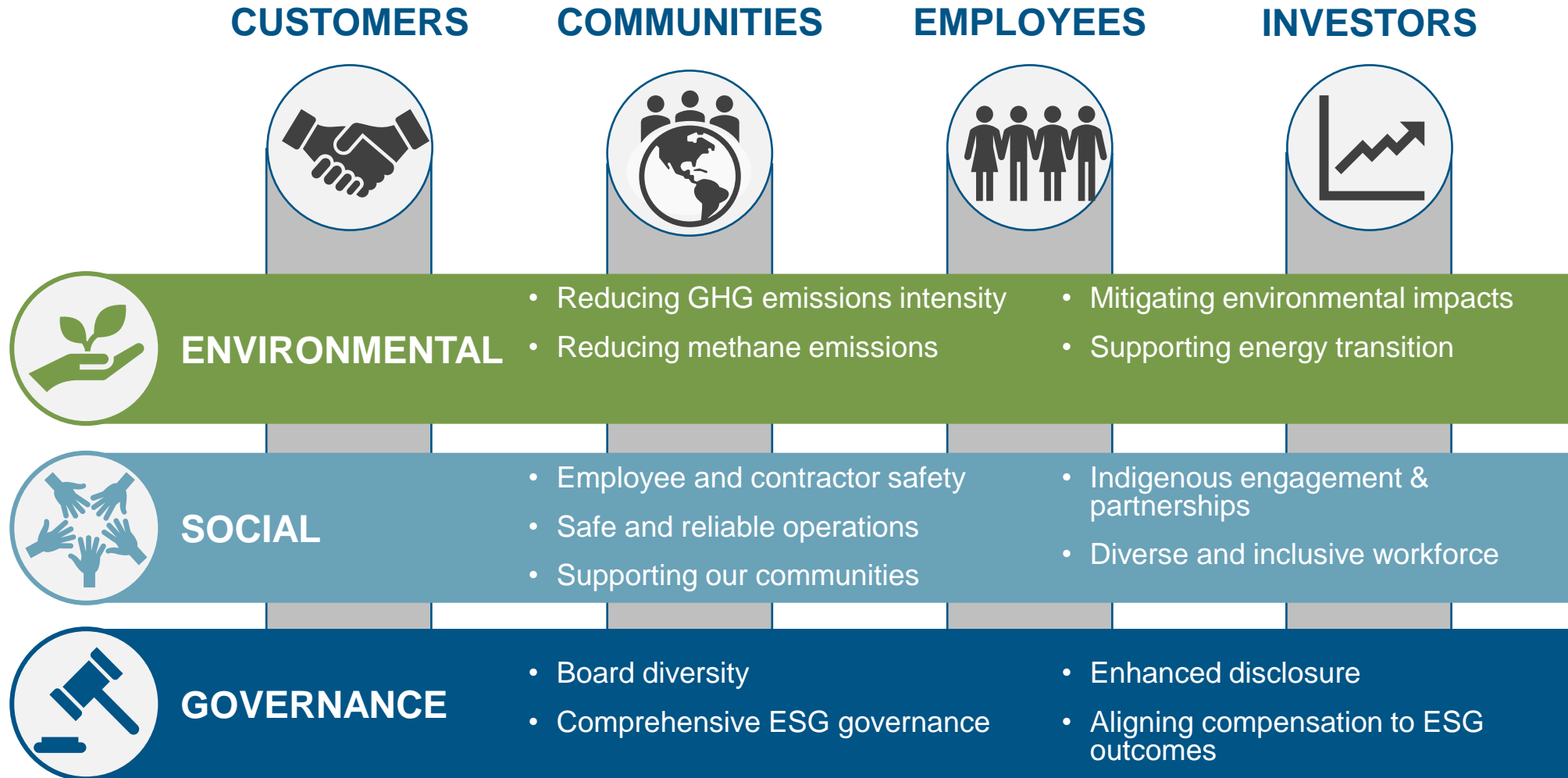


ESG Overview

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ESG Supports All Pembina Stakeholders



Pembina's ESG strategy is directly aligned with its Purpose

Pembina's ESG Journey



Pembina is embracing the opportunity to adapt, respond, and contribute to a more sustainable future. Sustainability has a significant role in all areas of Pembina's business and our ability to incorporate it will create long-term value for all our stakeholders.

- Scott Burrows, Interim President and CEO

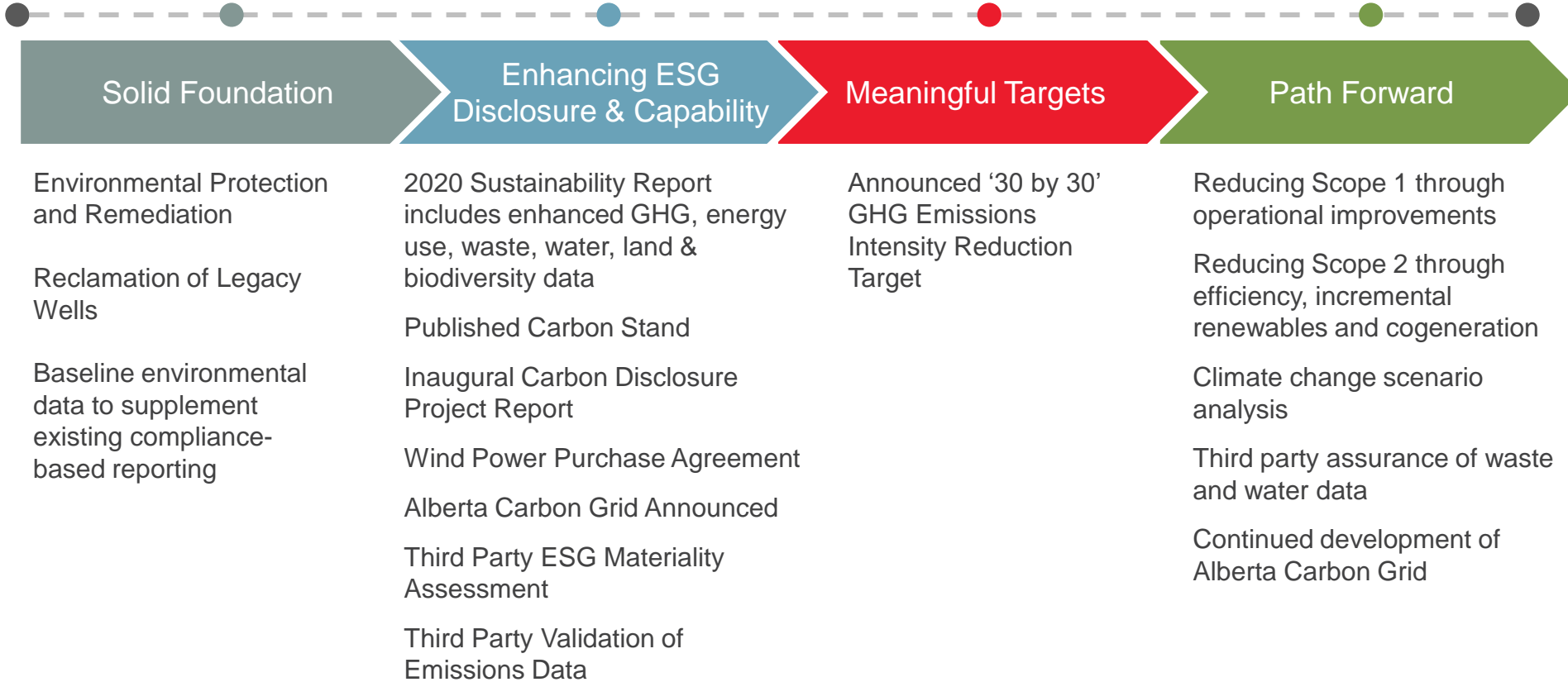


Environmental

TSX: PPL; NYSE: PBA



Environmental Accomplishments and Path Forward



As we strive towards our vision to be the leader in delivering integrated infrastructure solutions and connecting our customers to global markets, Pembina is taking steps to reduce its environmental footprint through the reduction of GHG emissions and other impacts to the environment caused by our business activities.

- Jaret Sprott, Senior Vice President & Chief Operating Officer, Facilities

GHG Target and Path

30% reduction in greenhouse gas emissions intensity by **2030⁽¹⁾**

Multiple pathways to achieve target



OPERATIONAL

- Optimizing pipeline capacity and operations
- Constructing cogeneration facilities
- Modernizing and optimizing compression facilities to reduce the amount of energy consumed
- Enhancing leak detection and repair programs at facilities
- Reducing flaring and venting



RENEWABLE ENERGY

- Increasing the use of renewable energy through efforts such as Pembina's recently announced power purchase agreement with TransAlta on the **Garden Plain Wind Power Project**
- Exploring other potential renewable power purchase agreements across Pembina's business

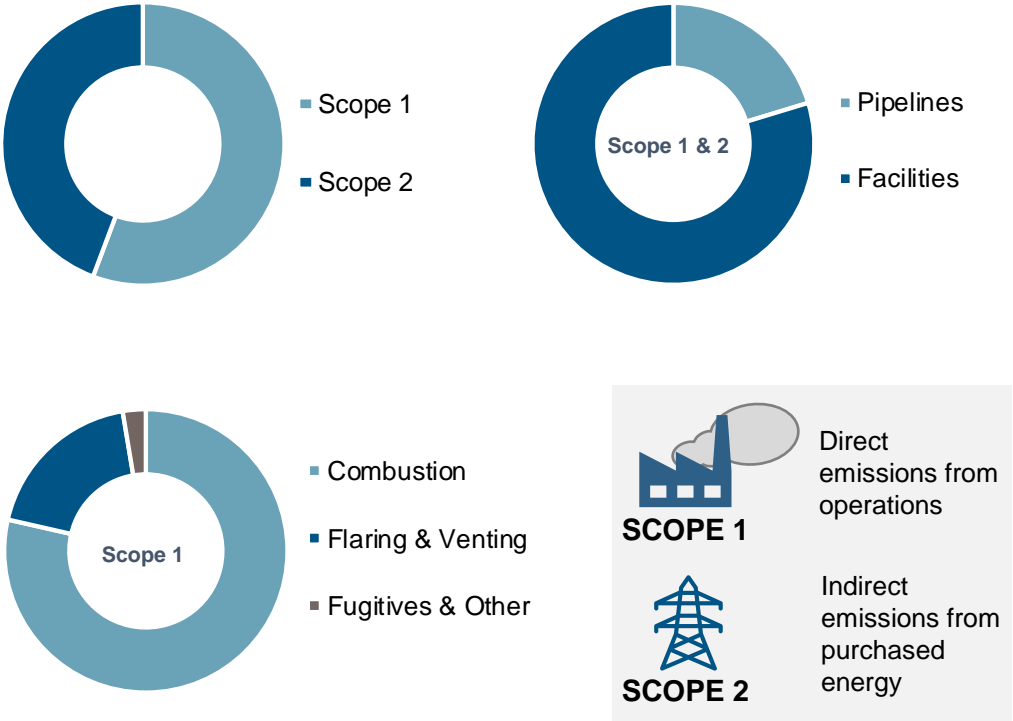


INVESTING IN A LOWER CARBON ECONOMY

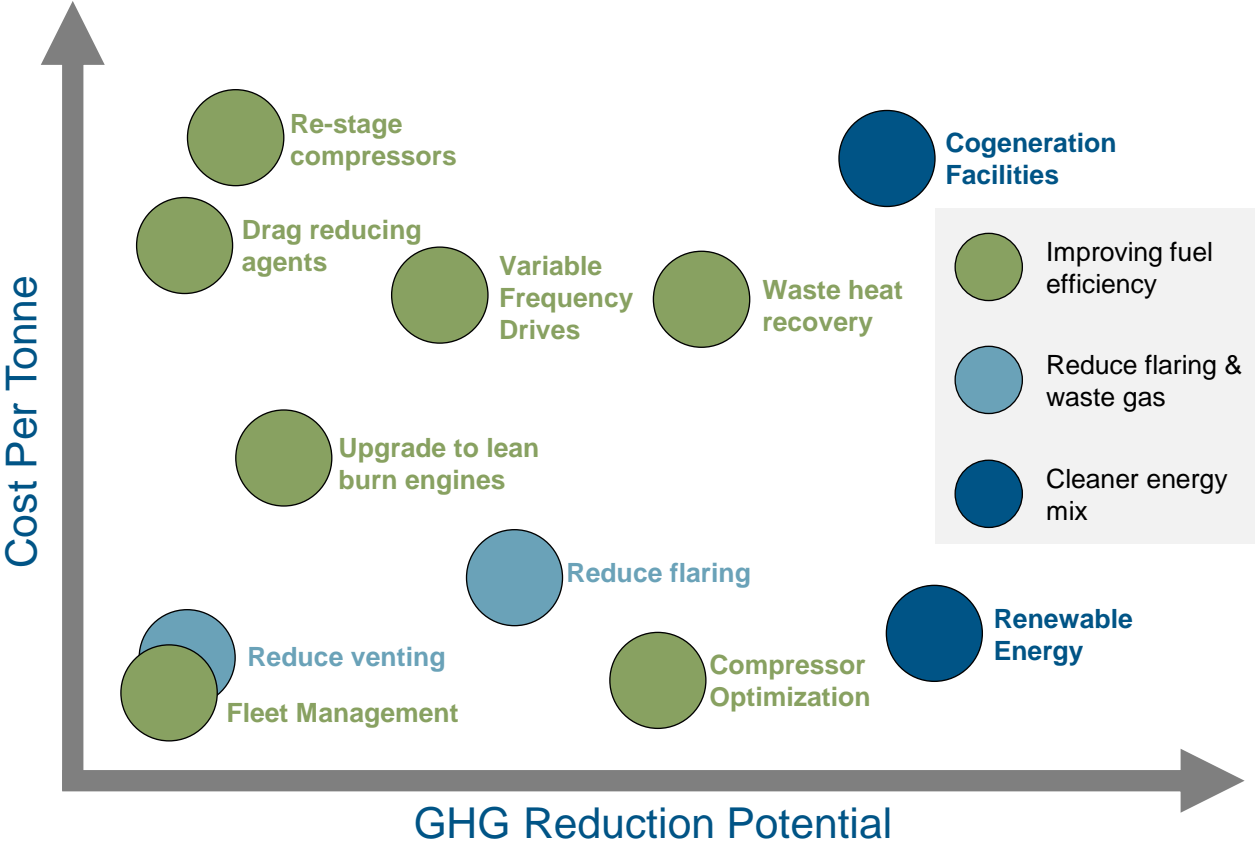
- Developing the **Alberta Carbon Grid** to effectively manage emissions and contribute positively to a lower-carbon economy
- Evaluating pilot projects for carbon capture and storage at Pembina's gas processing and fractionation facilities

Operational GHG Reduction Opportunities

2020 GHG Emissions Profile



Potential GHG Emissions Reduction Projects





Social

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Social Accomplishments and Path Forward



Everyone wants to be part of a company that is forward-looking. Whether lowering greenhouse gas emissions, partnering with Indigenous communities or increasing diversity, these are initiatives that get people excited and proud about where they are employed and why they want to come to work every day.

- Janet Loduca, Senior Vice President, External Affairs & Chief Legal and Sustainability Officer

Employee EDI Targets

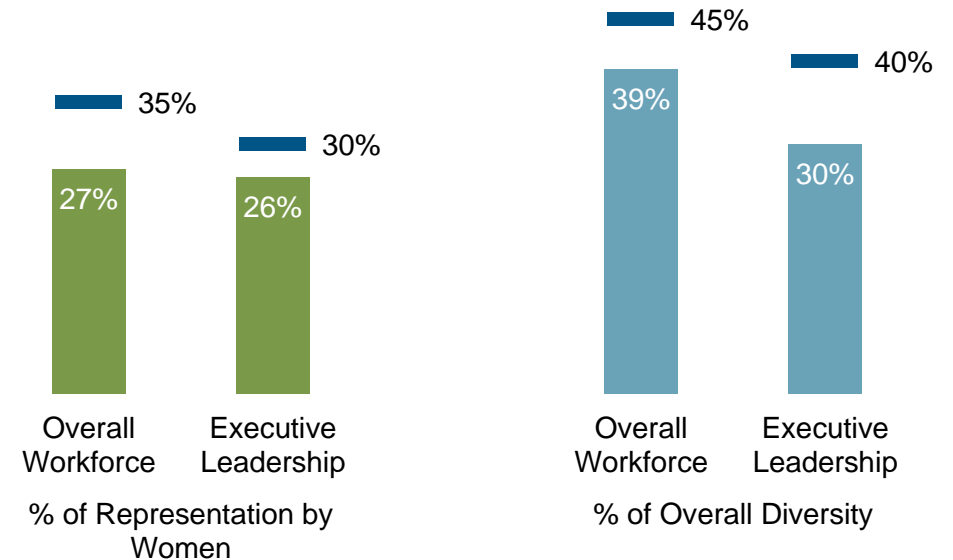
Representation by Women:

- 35% of the overall workforce by 2025
- 30% of executive leadership by 2022

Overall diversity:

- 40% of executive leadership is diverse by 2025*
- 45% of the overall workforce is diverse by 2025*
- Detailed workplans to support each of our targets are being developed to focus on retention, attraction, inclusion, and career development of underrepresented groups at all levels across Pembina

* Diversity refers to individuals who belong to one of the four designated groups in the Employment Equity Act: Indigenous persons, people with disabilities, people who are visible minorities, and women.



Indigenous Inclusion

Meaningful Consultation & Engagement

Build lasting and mutually beneficial relationships with Indigenous peoples affected by our current or future operations

Transformational Partnerships

Partnering with the Haisla Nation to develop Cedar LNG and the formation of Chinook Pathways, a partnership with the Western Indigenous Pipeline Group

Economic Development

Support and advocate for economic engagement, including direct employment, contracting and training to and for employment with Indigenous communities

Inclusive Workforce

Enhance understanding of traditional practices, Indigenous and Tribal histories and cultures among employees and vendors

Governance

Updated Indigenous and Tribal Relations Policy recognizes and respects UNDRIP



Engagement with **115** Indigenous communities

4% Representation within our workforce of Indigenous Peoples



Proud partner of choice for:



More than **\$80 million** spent with Indigenous suppliers in 2021

100% Employees to complete Indigenous Awareness training by the end of 2022



350+ Employees participated in two Conversations for Change series focused on Indigenous awareness



Governance & Reporting

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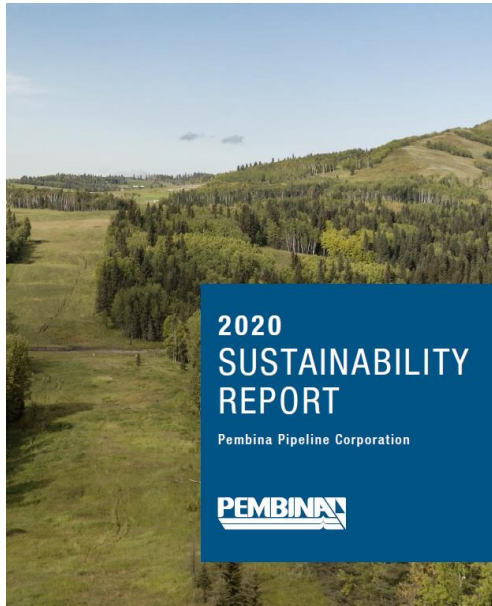
Governance & Reporting Accomplishments and Path Forward



A central part of a sustainable business is having strong and effective governance, and we understand that this requires the Board to have a diverse composition of skills, knowledge and experience. It is this diversity and different perspectives among its directors that will support balanced debate and enhanced decision making.

- Randall Findlay, Chair of the Board

ESG Reporting & Ratings



Refiners & Pipelines
(Industry Group)

Rank⁽¹⁾
(1st = lowest risk)

Percentile⁽¹⁾
(1st = lowest risk)

3 out of 187

2nd

Oil & Gas Storage and Transportation (Subindustry)

3 out of 101

3rd



Governance

1

Environment

4

Social

2



Industry Conditions & Business Update

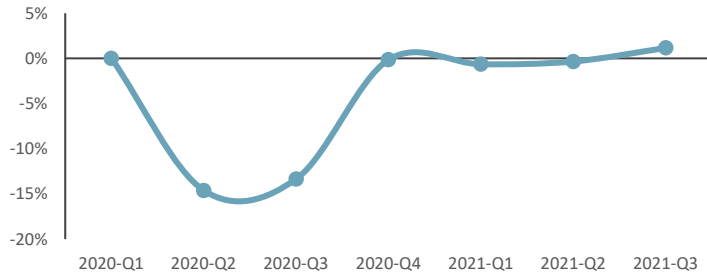
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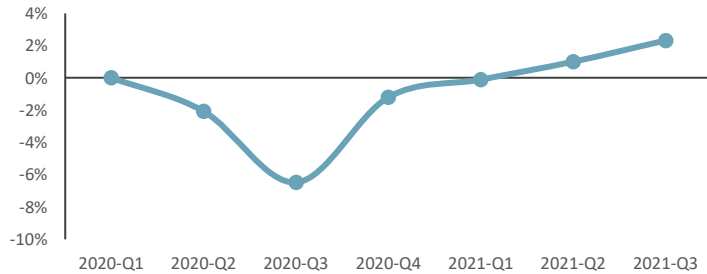
Constructive Fundamentals

Pre-pandemic Alberta and B.C. Volumes

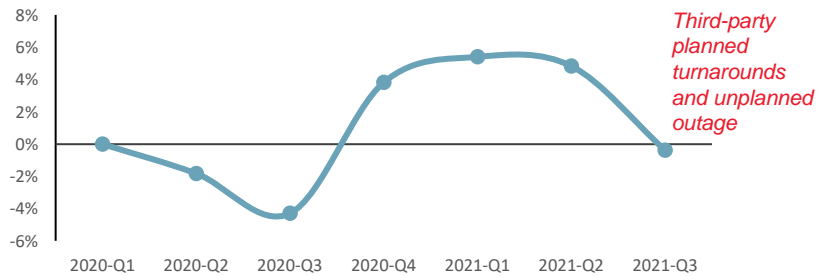
Crude Oil⁽¹⁾



Natural Gas⁽¹⁾

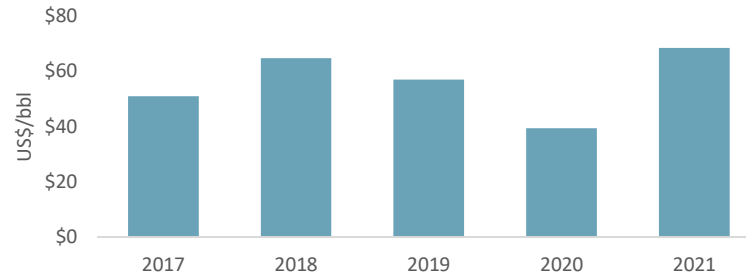


Natural Gas Liquids⁽²⁾

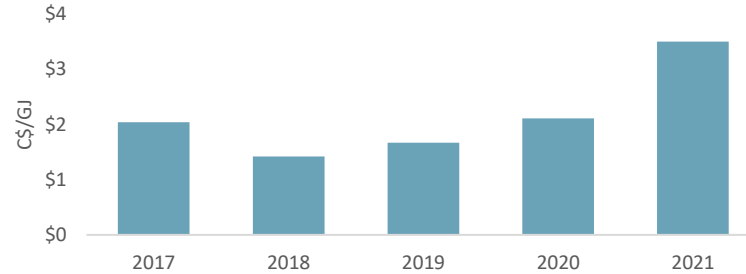


Strong Commodity Prices

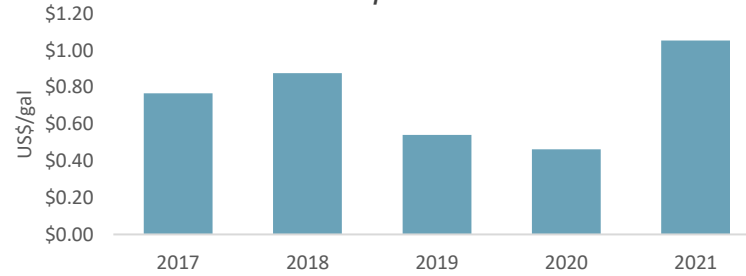
Crude Oil⁽³⁾



Natural Gas⁽⁴⁾

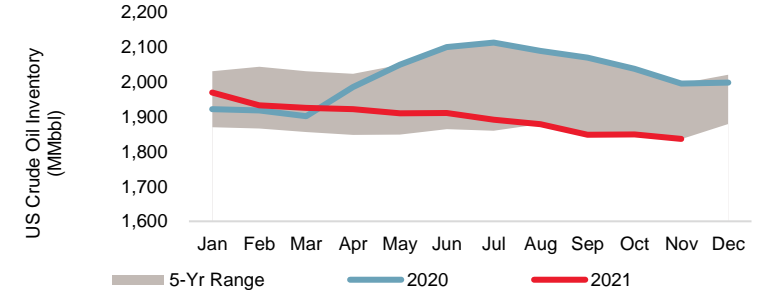


Propane⁽⁵⁾

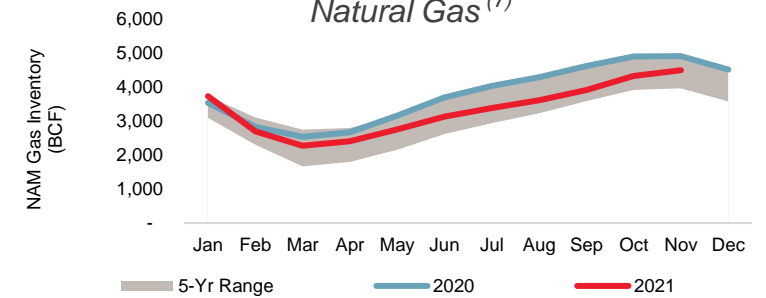


Inventories Below Average

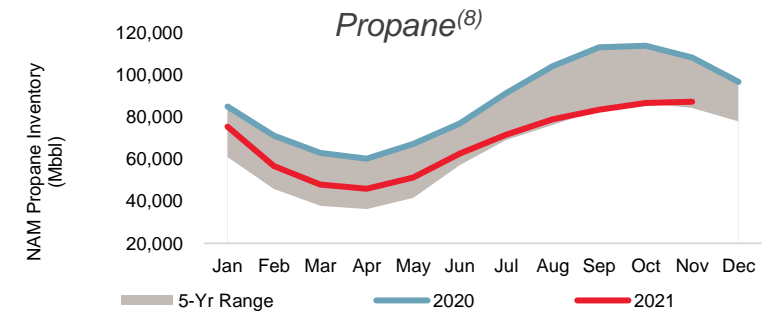
Crude Oil⁽⁶⁾



Natural Gas⁽⁷⁾



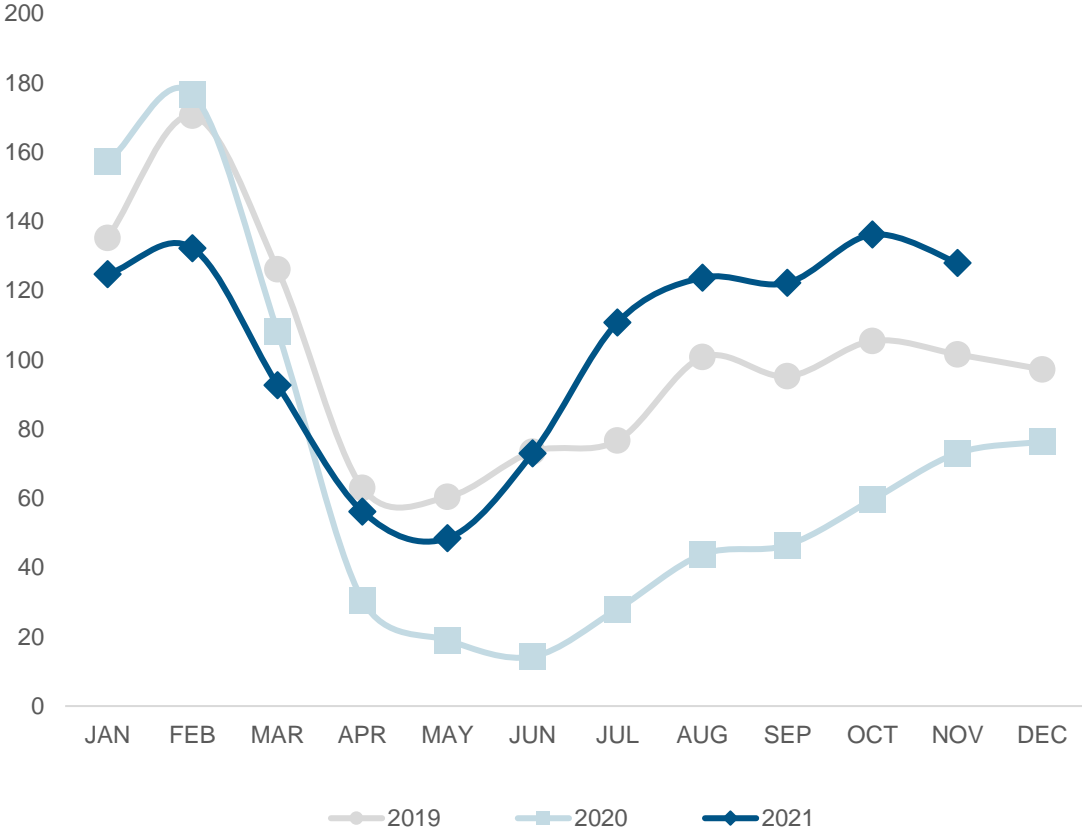
Propane⁽⁸⁾



Fundamental drivers are pointing in the right direction

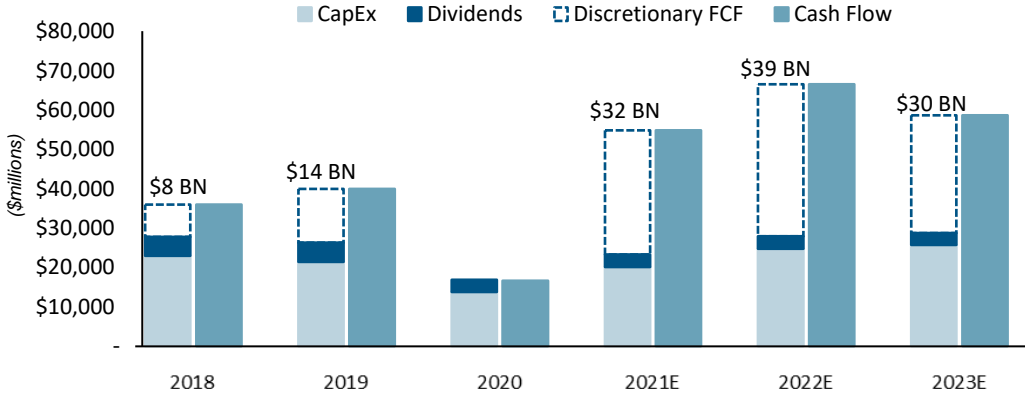
Constructive Fundamentals (cont.)

Alberta and BC Drilling Rig Activity⁽¹⁾



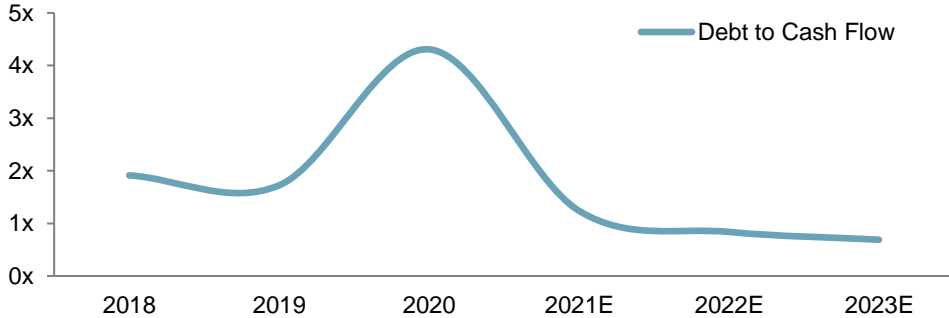
Customer Discipline & Strength

Canadian E&P Producers' Free Cash Flow ⁽²⁾
 ~\$100 billion of excess cash flow in 2021-2023



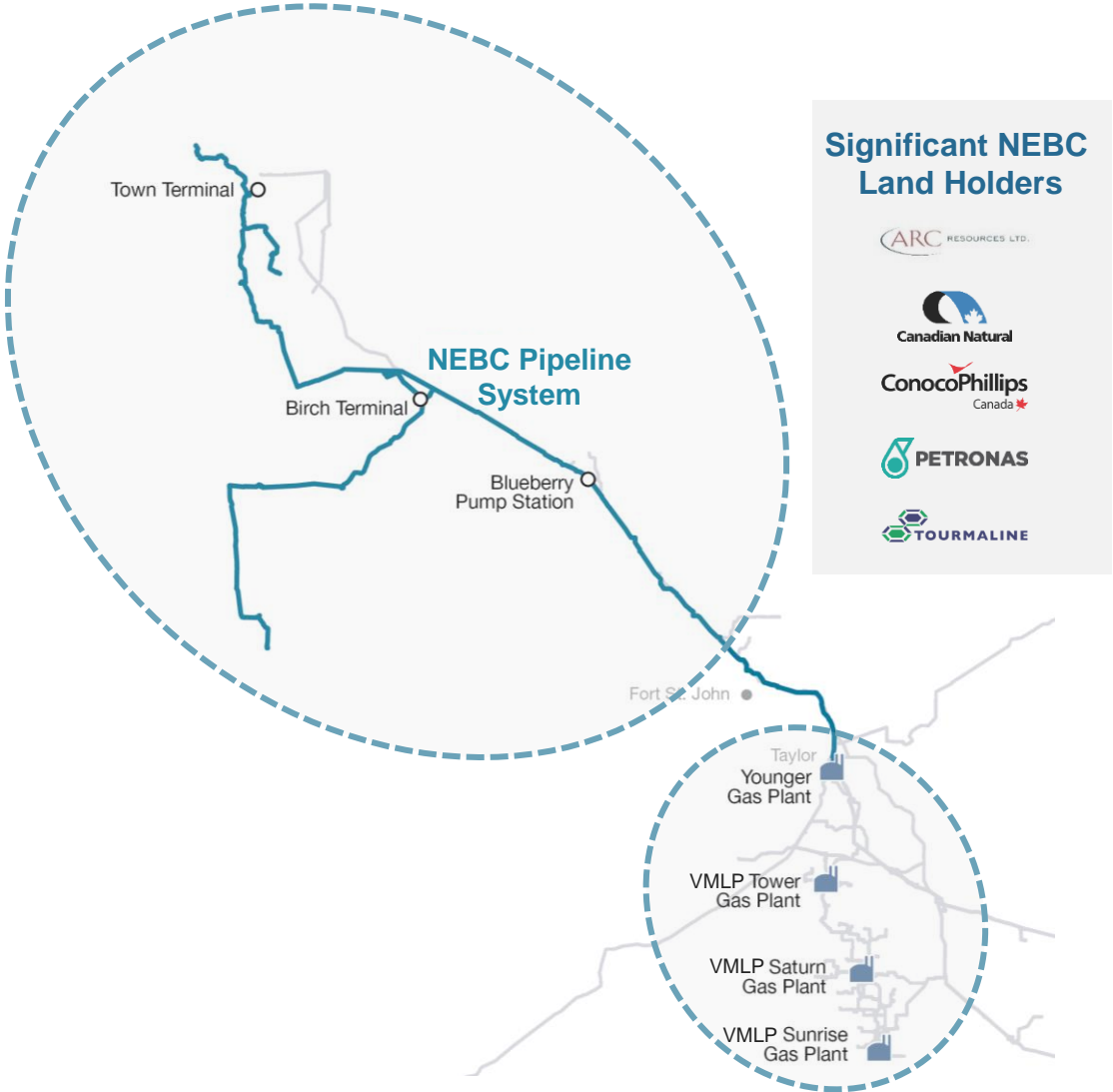
Canadian E&P Producers' Leverage ⁽³⁾

Significant leverage reductions since 2020



Since mid-2021 rig activity exceeding 2019 levels; producers in very strong financial position

Growth Drivers: Northeast British Columbia (NEBC) Liquids



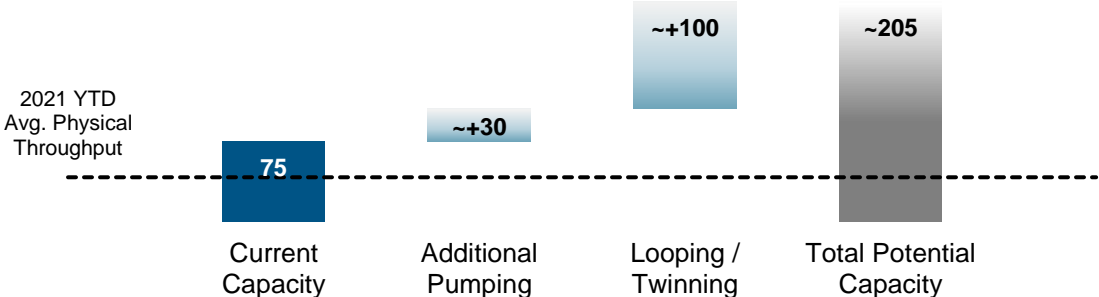
Producer Consolidation and Growth Potential

- Significant producer M&A activity since 2020; majority of land now held by a few investment grade counterparties and surrounding Pembina’s assets
- Larger companies capable of quicker capital deployment at a lower cost

Agreements & Expansion Opportunities:

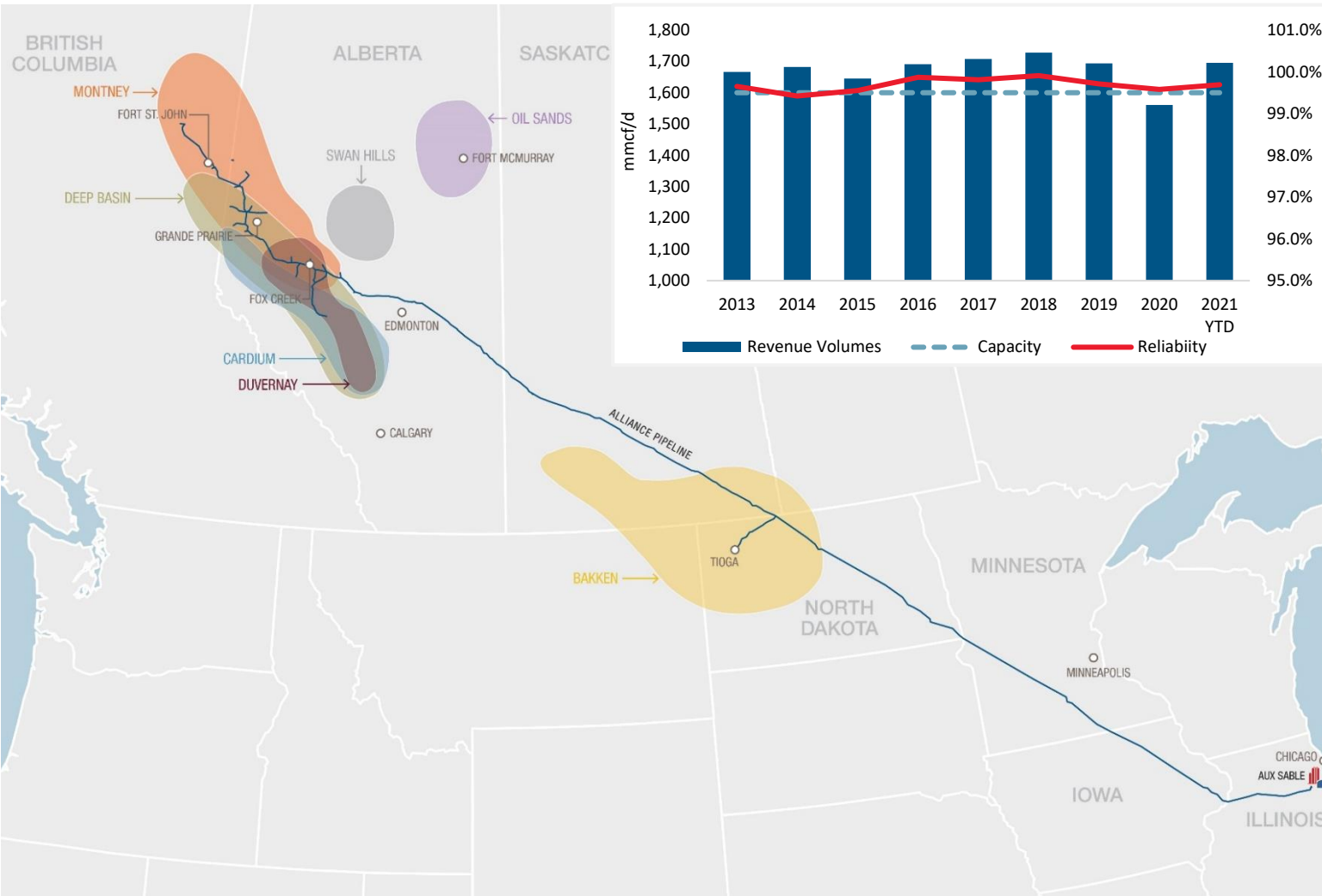
- Exclusivity agreement, as a bridge to definitive agreements, with a premiere NEBC Montney producer for transportation and fractionation of a material volume of liquids and NGL mix
- Executed agreement with second producer for liquids transportation service for volumes from development of its NEBC Montney acreage
- Long history as NEBC service provider with extensive existing footprint and expansion potential

Pembina NEBC System Capacity (mbpd)



The northeast BC Montney is a prolific play with significant expansion potential

Alliance Pipeline / Aux Sable Value Chain



Value Proposition

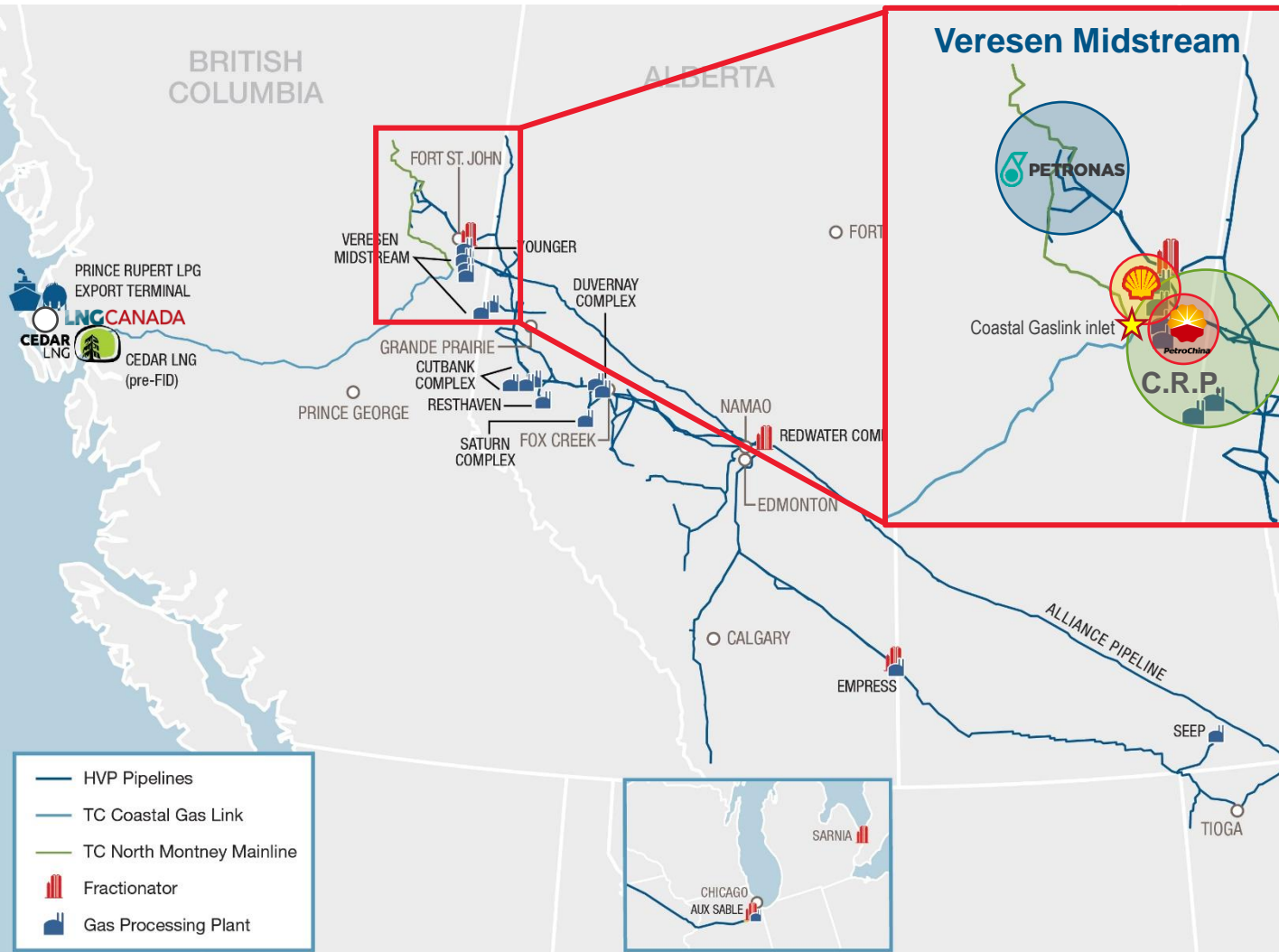
- Reliable and highly competitive access to mid-western U.S. gas and NGL markets
- Conduit to the Gulf Coast and its robust liquefied natural gas market
- 1.6 bcf/d of NGL-rich natural gas transportation
- Aux Sable currently extracting ~ 85,000 bpd of NGL

Recent Developments

- Alliance fully contracted for the 2021/22 gas year
- 76% percent of the capacity under contracts set to expire in 2022 was successfully contracted on terms with an average contract length of nearly four years beginning November 1, 2022
- Redemption of senior notes and debt restructuring provides cost savings and incremental distributions

Customers value Alliance's reliable and competitive access to mid-western U.S. gas markets

New Demand Sources: Natural Gas



Demand Drivers:

- LNG buildout: LNG Canada (FID capacity of ~1.8 Bcf/d, expandable to ~3.7 Bcf/d at full build out); Cedar LNG (0.4 Bcf/d); other
- Coal-to-gas conversion: 10+ unit conversions
- Export lines: 2 Bcf/d of incremental export capacity
- Growing U.S. demand: Canadian 2021 YTD exports to the United States at its highest levels since 2018

Pembina Opportunities:

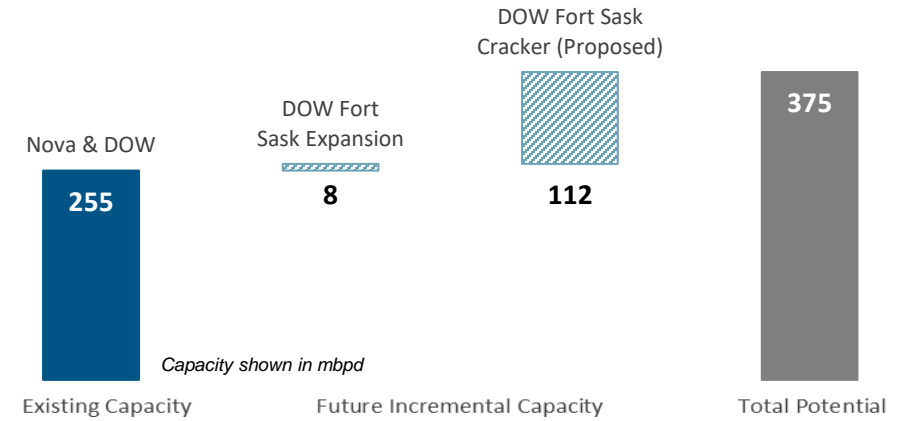
- Incremental gas processing will be required in areas where Pembina has a strong foothold
- VMLP facilities are within proximity of major infrastructure reaching tidewater
- Increased natural gas production leads to greater demand for transportation and fractionation of the associated natural gas liquids

Pembina's NGL infrastructure footprint can accommodate the growing demand for processed gas

New Demand Sources: Ethane



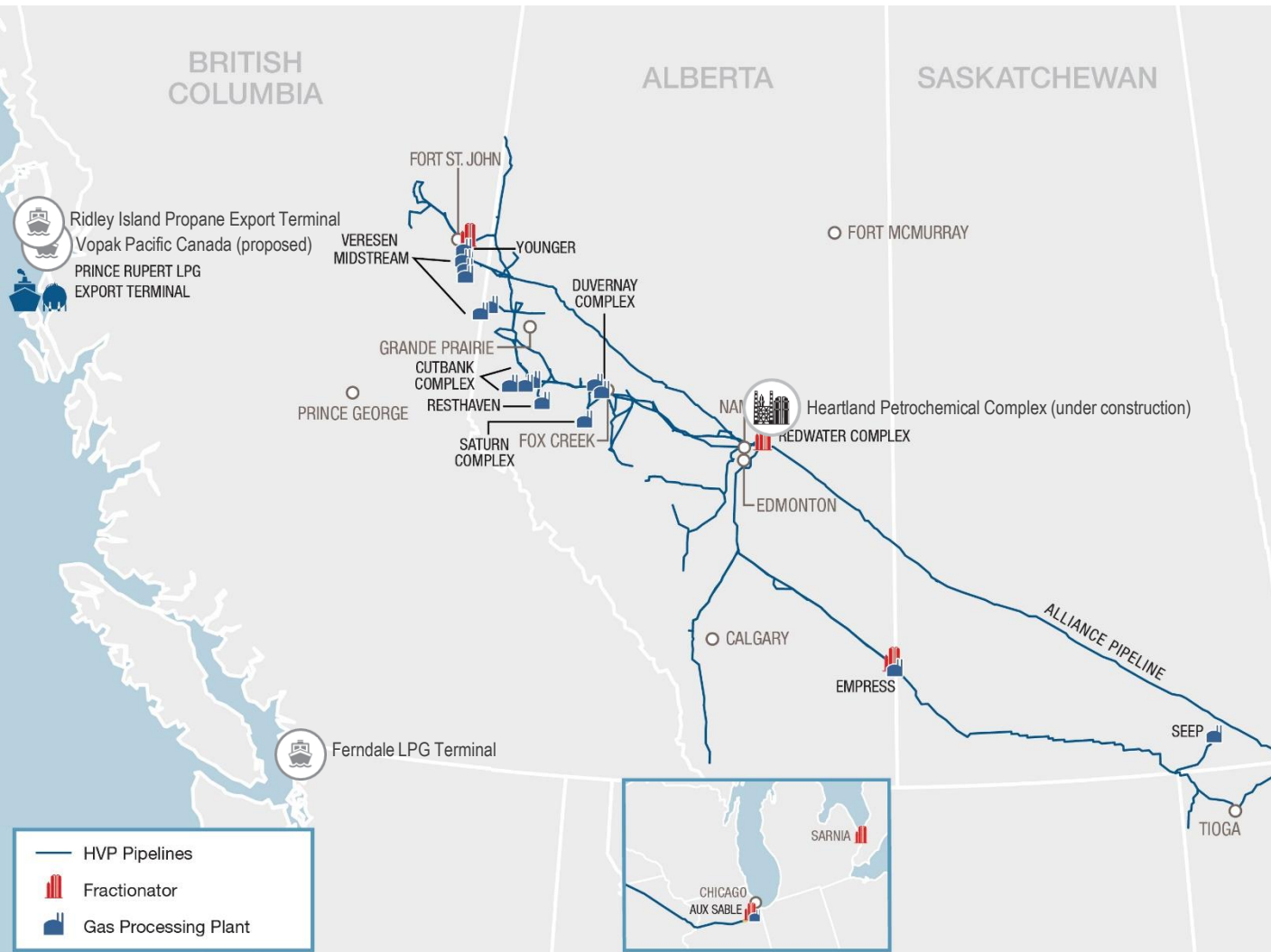
Alberta's Ethylene Cracker Capacity⁽¹⁾:



Pembina Opportunities:

- New petrochemical development will drive more ethane demand with potential for:
 - 1) Increased utilization of existing C2+ pipelines and fractionators;
 - 2) New infrastructure development, including:
 - › Incremental extraction capacity
 - › Addition of a de-ethanizer tower and ethane storage at Redwater Complex's RFS3
 - › AEGS expansion
- Potential to support DOW's net zero goals

New Demand Sources: Propane



Demand Drivers:

- Polypropylene production including third-party Heartland Petrochemical Complex
- Incremental propane exports through multiple potential export terminals and expansions
- Incremental U.S. demand as inventories are at five-year lows and pricing is strong

Pembina Opportunities:

- Incremental fractionation capacity
- Brownfield expansion at Redwater
- Canada's advantaged access to tidewater plus Pembina's propane export terminal provide outlet to growing international market
- Pembina's significant C3 storage and rail infrastructure at Redwater (~2 million barrels of spec storage, 100 rail cars/day and unit train capability) provide access to premium markets with high customer netbacks

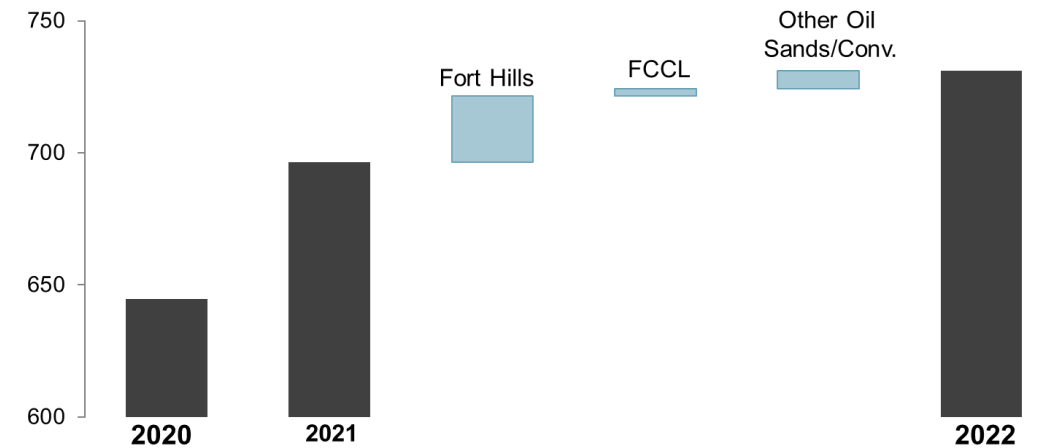
New Demand Sources: Condensate



Demand Drivers:

WCSB Condensate Demand⁽¹⁾

Bridge of 2021-2022 Forecasts



Pembina Opportunities:

- Peace Pipeline is well positioned to attract incremental WCSB volumes
- While condensate production ramps in the WCSB demand growth can be met through spare capacity and low-cost expansions on Cochin Pipeline

Visible near-term oil sands volume increases providing demand-pull to condensate infrastructure

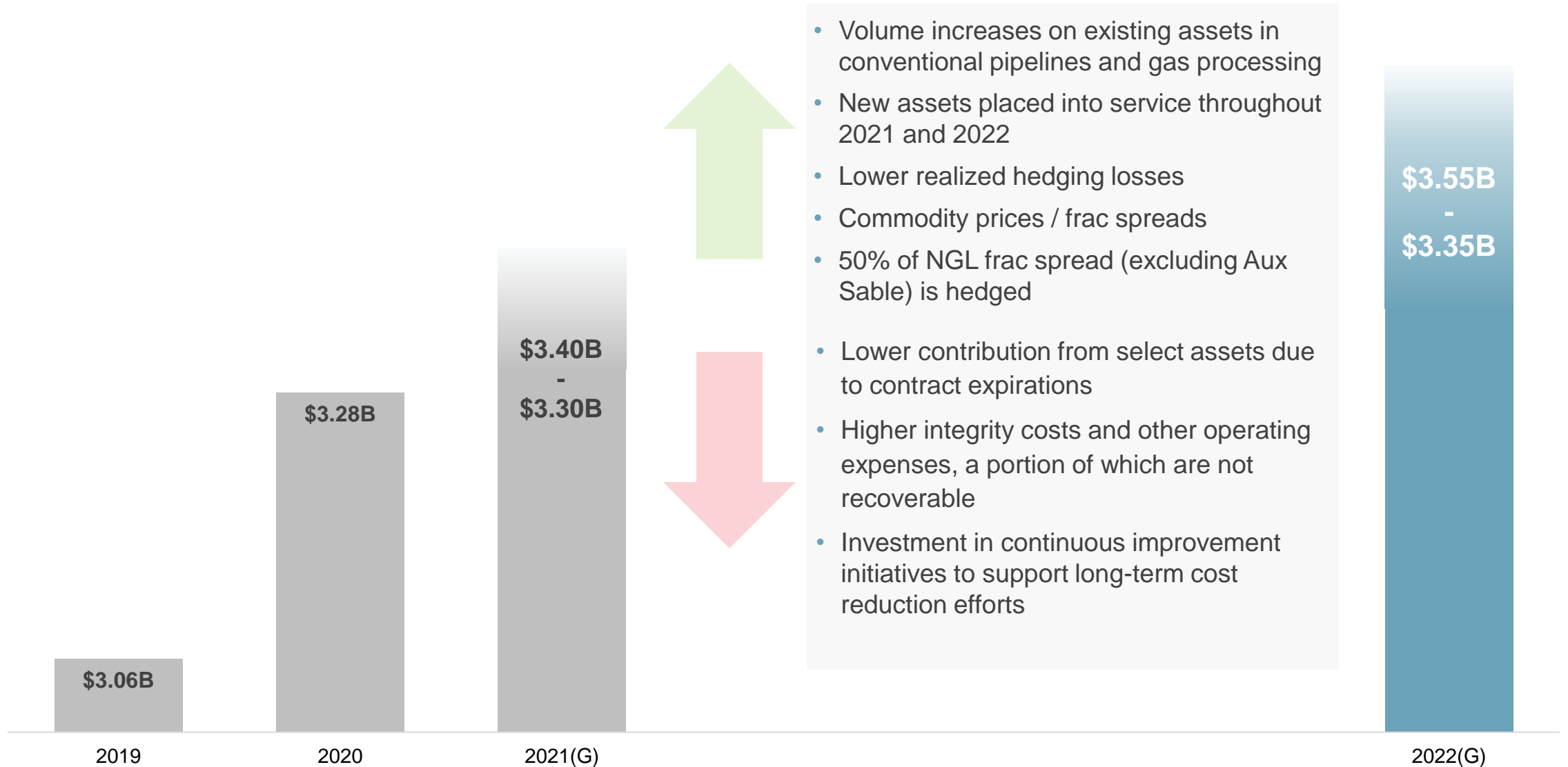


2022 Guidance and Capital Budget

TSX: PPL; NYSE: PBA



2022 Adjusted EBITDA Guidance



- Volume increases on existing assets in conventional pipelines and gas processing
- New assets placed into service throughout 2021 and 2022
- Lower realized hedging losses
- Commodity prices / frac spreads
- 50% of NGL frac spread (excluding Aux Sable) is hedged
- Lower contribution from select assets due to contract expirations
- Higher integrity costs and other operating expenses, a portion of which are not recoverable
- Investment in continuous improvement initiatives to support long-term cost reduction efforts

Continued year-over-year growth in adjusted EBITDA

2022 Capital Budget

	(C\$ millions) ⁽¹⁾
Pipelines Division	\$350
Facilities Division	\$140
Marketing & New Ventures Division	\$40
Corporate	\$35
Capital Expenditures	\$565
Contributions to Equity Accounted Investees	\$90
Capital Expenditures and Contributions to Equity Accounted Investees	\$655

2022 Capital Priorities:

- Phase VII and Phase IX Peace Pipeline Expansions
- Empress Cogeneration Facility
- Information technology enhancements to further the Company's continuous improvement initiatives to support long-term cost reduction efforts
- Contributions to Cedar LNG and Veresen Midstream

2022 Capital Budget Includes:

- \$125 million of non-recoverable sustaining capital to support safe and reliable operations
- \$60 million for administrative capital including technology and commercial systems investments

Capital Allocation and Funding

PRIORITIES

- 1**

Maintaining balance sheet strength

Priority to maintain a strong BBB rating
- 2**

Maintain dividends

Maintained and grown dividend since 1998
- 3**

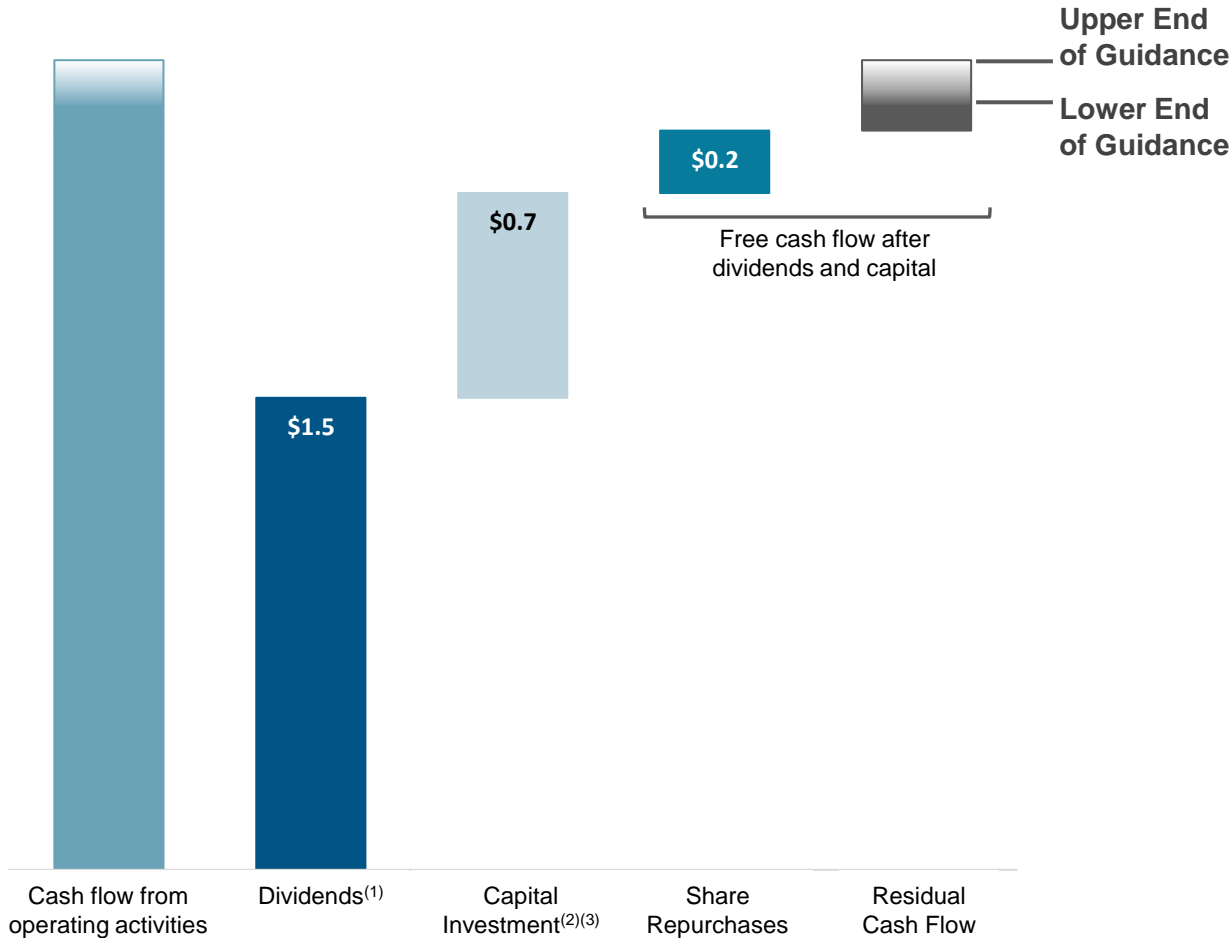
Accretive growth capital

Investing in growth projects further enhances Pembina's capabilities
- 4**

Discretionary cash flow:
Debt reduction, dividend increase, or opportunistic share repurchase

Intend to repurchase up to \$200 million of common shares in the first half of 2022 (~1% of outstanding shares)

2022 FUNDING PLAN



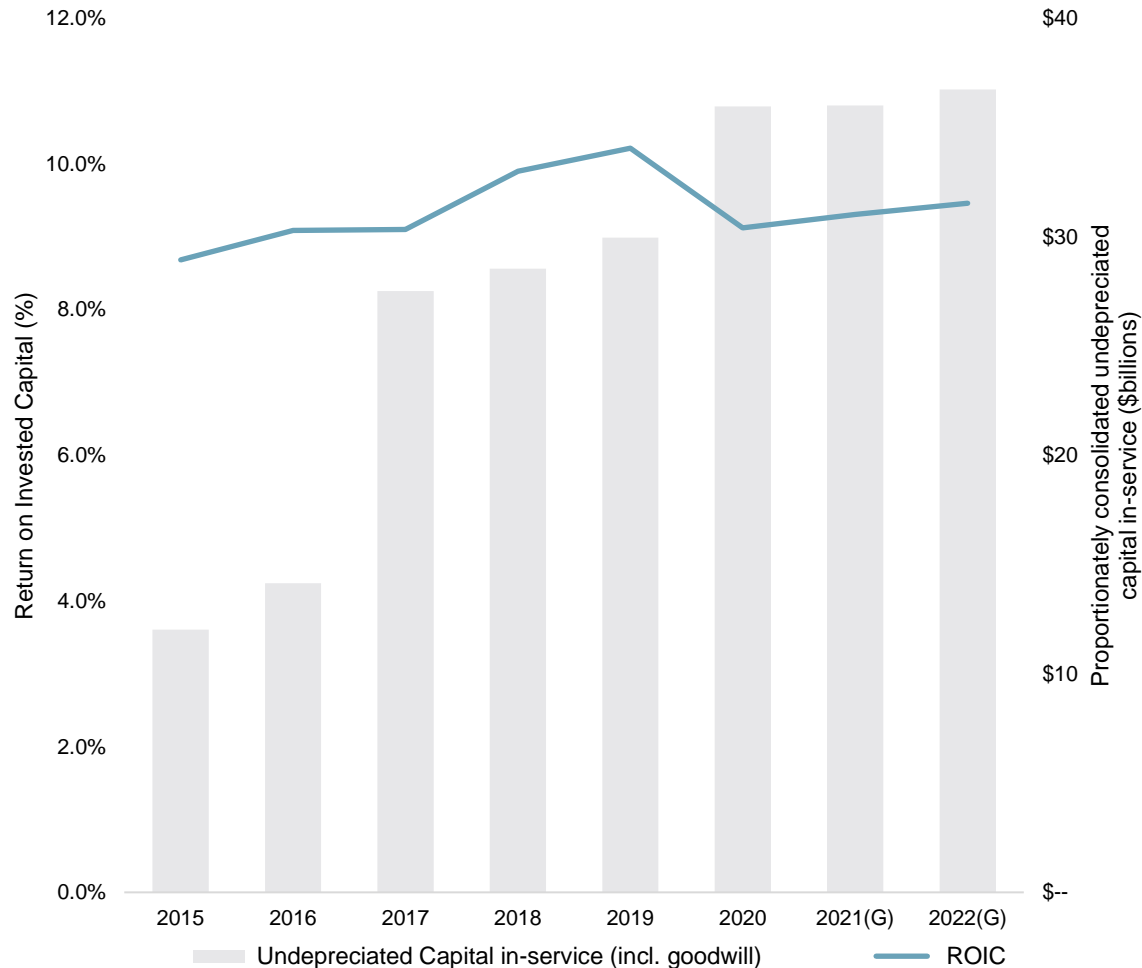
Financial Guardrails

		<u>2021F</u>	<u>2022F</u>
1	Maintain target of 80% fee-based contribution to adjusted EBITDA ⁽¹⁾	~90%	85-90%
2	Target <100% payout of fee-based distributable cash flow (Standard Payout Ratio) ⁽²⁾	~75% (~55%)	70-75% (55-60%)
3	Target 75% credit exposure from investment grade and secured counterparties ⁽³⁾	~80% ⁽³⁾	80-85%
4	Maintain strong BBB credit rating ⁽⁴⁾	~17% FFO/Debt	18-20% FFO/Debt

“Pembina pioneered the concept of the Financial Guardrails in the midstream energy industry. The Company’s strategy has been, and will continue to be, executed within them. They are core to how Pembina manages and protects its business.”
– Scott Burrows

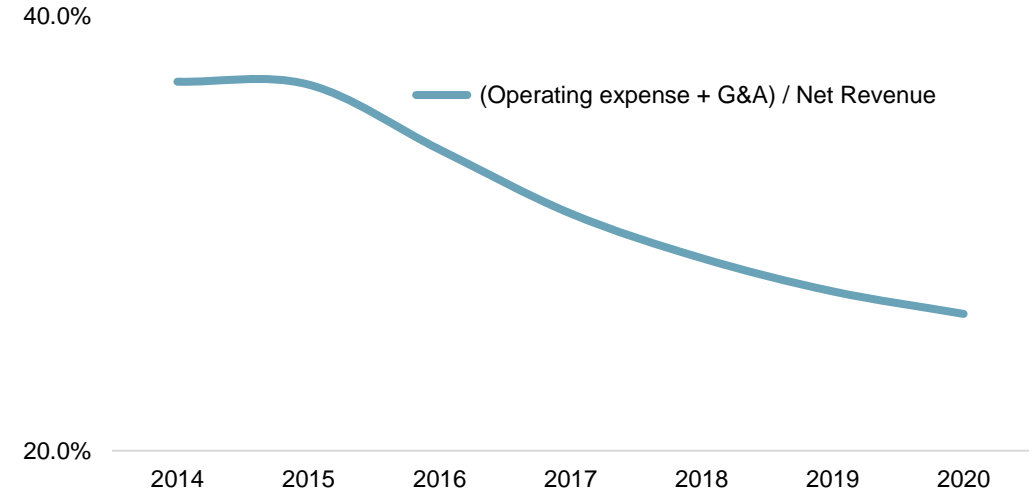
Driving Efficiency Within Our Business

ROIC Trend⁽¹⁾



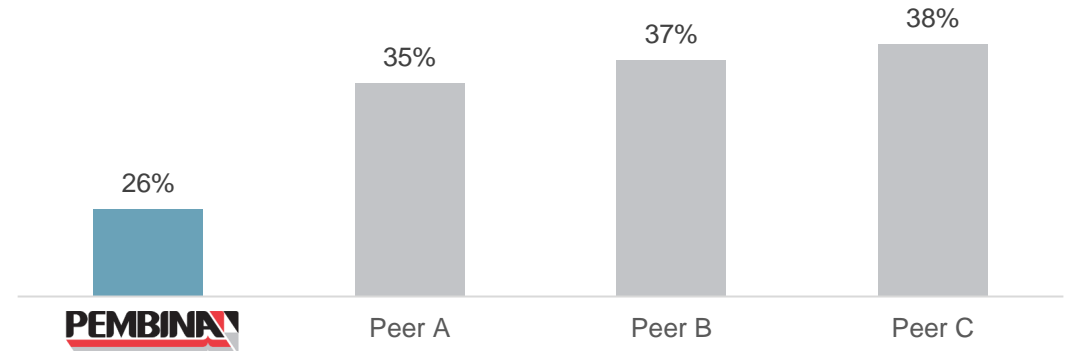
Commitment to Operational Efficiency⁽²⁾

Operating and G&A expense as a percentage of net revenue



Competitive Cost Structure^(2,3)

Operating and G&A expense as a percentage of net revenue



Focus on efficiency and continuous improvement is driving value

Inflation Protection

Contracted Volumes

- ✓ Significant portion of operating costs, such as power, flow through directly to the customer
- ✓ Additional mechanisms are in place to inflate tolls on CPI basis

Phase VII & IX Peace Pipeline Expansions Currently Under Construction

- ✓ Steel has been purchased and paid for
- ✓ Lump sum construction contracts provide labour inflation protection

Short-term and Interruptible Volumes

- ✓ Subject to tolls that are adjusted typically annually or semi-annually and therefore adjust to rising costs

Cost of Capital

- ✓ ~86% of Pembina's outstanding debt is fixed
- ✓ Weighted average term to maturity of 15.4 years on fixed rate debt



Projects

TSX: PPL; NYSE: PBA



Secured and Deferred Projects

Phase VII Peace Pipeline Expansion – Under construction

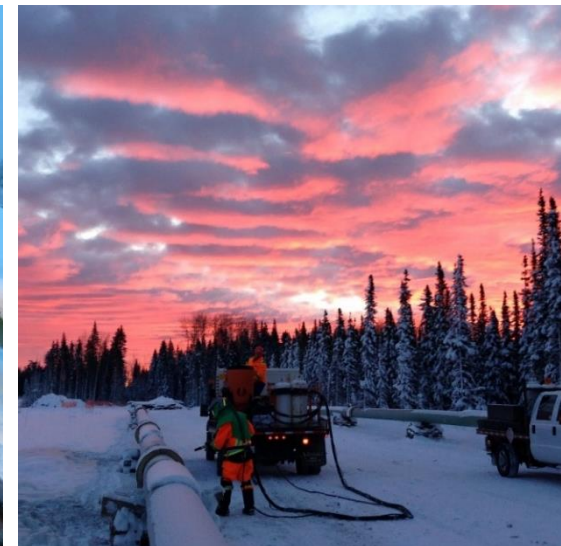
- 160,000 bpd of incremental C5+ capacity upstream of Fox Creek
- Focus on Deep Basin volumes
- Capital estimate lowered by \$110 million, to \$665 million
- Expected in-service date advanced to mid-2022

Phase VIII Peace Pipeline Expansion – Deferred

- Value engineering work ongoing; continuing to evaluate amidst discussions with producing customers
- Development timing uncertainty in northeast BC → ongoing discussion between the BC government and First Nations
- Reactivation decision expected in the first half of 2022

Phase IX Peace Pipeline Expansion – Under construction

- New 6-inch and 16-inch pipelines and pump station
- Product segregation from Taylor to Gordondale
- Focus on NEBC Montney volumes
- Capital estimate: \$120 million; Expected in-service date: H2 2022



Secured and Deferred Projects cont'd

Empress Cogeneration – Under construction

- 45MW facility that will reduce operating costs and reduce GHG emissions at the Empress NGL Extraction Facility
- Capital estimate: \$120 million; Expected in-service date: Q4 2022





Prince Rupert Terminal (PRT) Expansion – Deferred

- Evaluating an expansion of PRT up to ~45,000 bpd
- Engineering is well advanced, including an alternative for butane export and the use of larger vessels, thereby improving economies of scale and competitiveness
- Reactivation decision expected in Q1 2022



\$4 Billion of Projects Under Development

Driven By	Criteria	Type	Projects
 <p>CUSTOMER</p>	<p>Increased producer activity; basin growth; petrochemical demand; contractual underpinnings</p>	<p>Greenfield</p> <p>Brownfield</p>	<ul style="list-style-type: none"> • Petrochemical feedstock solutions • NEBC infrastructure solutions • Gas processing facilities • Cedar LNG • NEBC system expansion • Edmonton Terminals expansion • Pipeline laterals and connections
	<p>Pembina capital allocation; engineering; regulatory</p>	<p>Greenfield</p> <p>Brownfield</p>	<ul style="list-style-type: none"> • Additional NGL extraction at existing assets • Cochin expansion • Cogeneration

Leverage Our Past To Lead The Future

Lower Carbon Energy

Wind

100MW Power Purchase Agreement

Cogeneration

Redwater, Empress



Pembina Operations Today

Global Impact

Liquefied Natural Gas

Cedar LNG



New Opportunities

Carbon Capture, Utilization & Storage

Alberta Carbon Grid



Hydrogen

Aux Sable Canada's Heartland Offgas Processing Plant



In Strategy For the Future

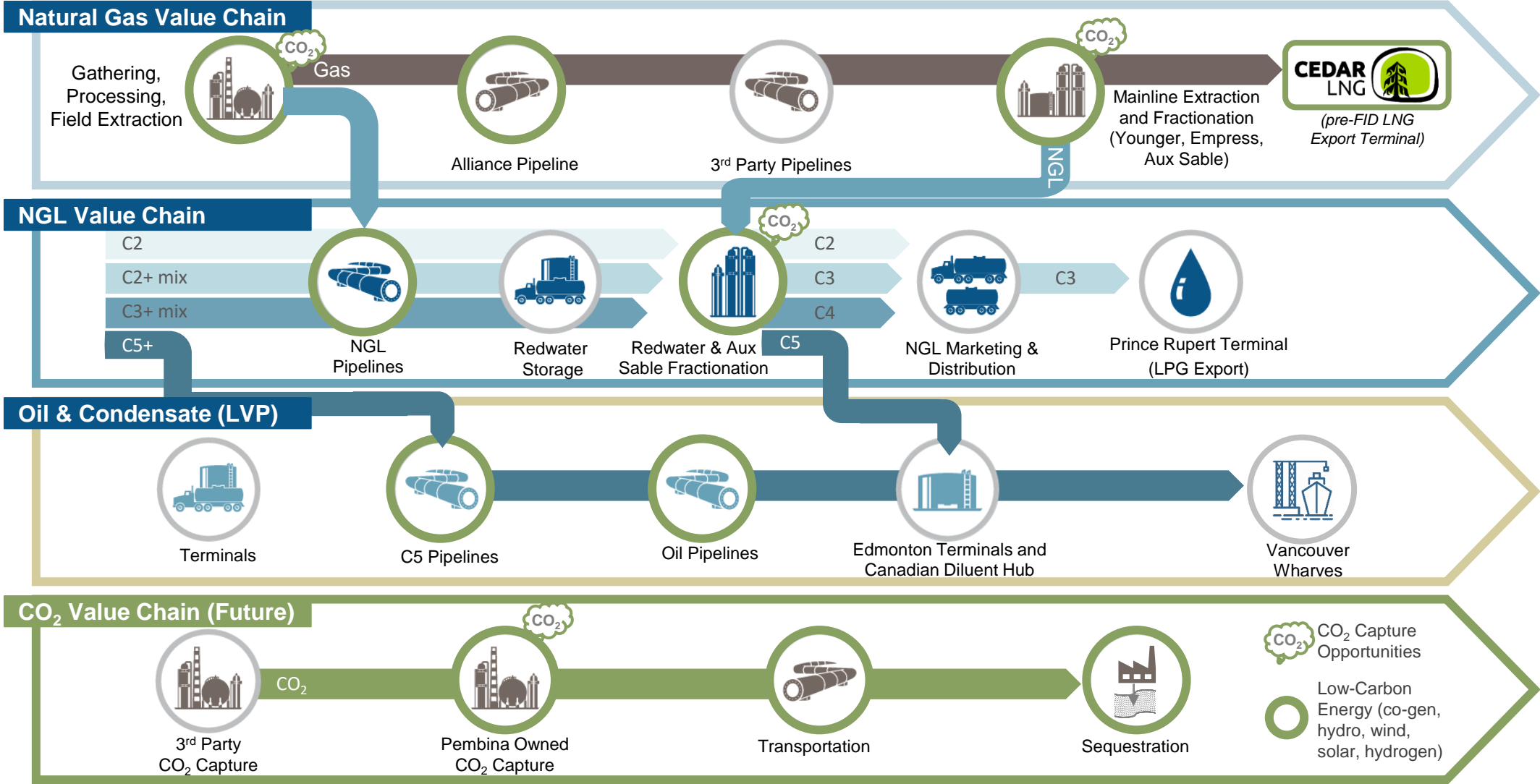
Alberta Carbon Grid

Pembina and TC Energy plan to jointly develop a world-scale CO₂ transportation and sequestration system known as Alberta Carbon Grid (ACG)

- Pembina and TC Energy are uniquely positioned given their collective skills and extensive networks of pipeline infrastructure
- ACG will leverage existing Pembina and TC Energy pipelines, reducing project cost and environmental impact
- Open-access system to serve Alberta's emerging Carbon Capture, Utilization and Storage industry
- Connecting multiple industrial regions to key sequestration locations



What the Future Pembina Store Could Look Like



Carbon represents a logical extension of the Pembina store



Closing Remarks

TSX: PPL; NYSE: PBA



Pembina's Value Proposition

- ✓ **Leading provider** of essential North American energy services
- ✓ Track record of **sector outperformance**
- ✓ Resilient and diverse set of **franchise assets** and services along the energy value chain
- ✓ Unparalleled **fairway to growth** in the prolific Montney and Duvernay areas with substantial upside 'torque' given existing capacity and growth prospects
- ✓ Accessing **global markets** and higher value for Canadian products
- ✓ Steadfast financial discipline and adherence to **financial guardrails**
- ✓ Focused on delivering leading **ESG** solutions including **emissions reduction** projects and meaningful **Indigenous participation**

Q&A



Endnotes

Slide 14: GHG Target and Path

- (1) Relative to baseline 2019 emissions.

Slide 22: ESG Reporting & Ratings

- (1) Ratings shown are as September 2021.

Slide 24: Constructive Fundamentals

- (1) Source: CER.
- (2) Source: AER and Government of B.C. website plus Pembina estimates.
- (3) Source: Historical WTI pricing from OPIS; Future WTI pricing from Argus.
- (4) Source: Historical and future AECO pricing from ICE NGX.
- (5) Source: Historical Mont Belvieu propane pricing from OPIS; Future Mont Belvieu propane pricing from Argus.
- (6) Source: Crude oil inventories from the EIA.
- (7) Source: Natural gas inventories from the EIA and the Statistics Canada plus Pembina estimates.
- (8) Source: Propane inventories from the EIA and the CER.

Slide 25: Constructive Fundamentals (cont.)

- (1) Source: Baker Hughes.
- (2) Source: Peters & Co. Limited estimates.
- (3) Source: Peters & Co. Limited estimates.

Slide 29: New Demand Sources: Ethane

- (1) Source: Nova and DOW.

Slide 31: New Demand Sources: Condensate

- (1) Source: Peters & Co. Limited estimates.

Slide 34: 2022 Capital Budget

- (1) Capital budget shown in Canadian dollars based on a forecasted average USD/CAD exchange rate of 1.27.

Slide 35: Capital Allocation and Funding

- (1) Includes dividends on common and preferred shares.
- (2) Includes capital expenditures, contributions to equity accounted investees, and interest on development capital.
- (3) Capital investment shown in Canadian dollars based on a forecasted average USD/CAD exchange rate of 1.27.

Slide 36: Financial Guardrails

- (1) Includes inter-segment transactions.
- (2) Calculated as common share dividends divided by distributable fee-based cash flow (wholly owned fee-based EBITDA plus fee-based portion of distributions for equity accounted investees less preferred share dividends, interest and illustrative cash taxes).
- (3) Based on gross 60-day exposure. Counterparty ratings are representative of the counterparties' current rating as of October 31, 2021. Non-investment grade exposure that is secured with letters of credit from investment grade banks are considered investment grade.
- (4) Based on Standard and Poor's methodology and adjustments.

Slide 37: Driving Efficiency Within Our Business

- (1) ROIC calculated as Adjusted EBITDA divided by proportionately consolidated capital in-service.
- (2) Ratio calculated as the sum of operating expenses plus general and administrative expense (excluding depreciation & amortization) divided by net revenue (revenue less cost of sales, excluding depreciation & amortization and unrealized hedging gains/losses). Excludes equity accounted investments.
- (3) Source: External reporting sources. Peers include Enbridge, Keyera and TC Energy.

Non-GAAP and Other Financial Measures

Non-GAAP financial measures either exclude an amount that is included in, or include an amount that is excluded from, the composition of the most directly comparable financial measure specified, defined or determined in accordance with GAAP.

The intent of non-GAAP measures is to provide additional useful information respecting Pembina's financial and operational performance to investors and analysts and the measures do not have any standardized meaning under GAAP. Non-GAAP measures should not be considered in isolation or used in substitute for measures of performance prepared in accordance with GAAP. Other issuers may calculate these non-GAAP measures differently. Investors should be cautioned that these measures should not be construed as alternatives to earnings, cash flow from operating activities or other measures of financial results determined in accordance with GAAP as an indicator of Pembina's performance.

In this presentation Pembina has disclosed the non-GAAP financial measures adjusted EBITDA, fee-based contribution to adjusted EBITDA, fee-based distributable cash flow, funds from operations to debt ("FFO/Debt") and ROIC, which do not have any standardized meaning under GAAP and may not be comparable to similar financial measures disclosed by other issuers. The measures should not, therefore, be considered in isolation or as a substitute for, or superior to, measure of Pembina's financial performance, financial position or cash flows specified, defined or determined in accordance with IFRS, including earnings before income tax. These non-GAAP measures are calculated and disclosed on a consistent basis from period to period. Specific adjusting items may only be relevant in certain periods.

Adjusted Earnings Before Interest, Taxes, Depreciation and Amortization

Adjusted EBITDA is a non-GAAP measure and is calculated as earnings before net finance costs, income taxes, depreciation and amortization (included in operations and general and administrative expense) and unrealized gains or losses on commodity-related derivative financial instruments. Adjusted EBITDA also includes adjustments to earnings for losses (gains) on disposal of assets, transaction costs incurred in respect of acquisitions, dispositions and restructuring, impairment charges or reversals in respect of goodwill, intangible assets, investments in equity accounted investees and property, plant and equipment, certain non-cash provisions and other amounts not reflective of ongoing operations. The most directly comparable financial measure to adjusted EBITDA that is determined in accordance with GAAP and disclosed in Pembina's financial statements is earnings before income tax.

Additional information relating to adjusted EBITDA, including disclosure of the composition of adjusted EBITDA, an explanation of how adjusted EBITDA provides useful information to investors and the additional purposes, if any, for which management uses adjusted EBITDA and an explanation of the reason for any change in the label or composition of adjusted EBITDA from what was previously disclosed, is contained in the "Non-GAAP Measures" section of the Annual MD&A and the Interim MD&A, which are available which are available at www.sedar.com, www.sec.gov and through Pembina's website at www.pembina.com.

(\$ millions, except per share amounts)	9 Months Ended September 30, 2021	12 Months Ended December 31, 2020
Earnings (loss) before income tax	781	(416)
Adjustments to share of profit from equity accounted investees and other	103	418
Net finance costs	144	420
Depreciation and amortization	180	700
Unrealized (gain) loss on commodity-related derivative financial instruments	(47)	84
Canadian Emergency Wage Subsidy	8	(39)
Transformation and restructuring costs	11	10
Transaction costs incurred in respect of acquisitions	8	18
Arrangement Termination Payment	(350)	-
Impairment charges and non-cash provisions	12	2,086
Adjusted EBITDA	850	3,281

FFO/Debt

The ratio of funds from operations to debt is a ratio defined and used by Pembina's rating agencies in the evaluation of the Company's credit worthiness.

Fee-Based Distributable Cash Flow

Fee-based distributable cash flow is defined as wholly owned fee-based adjusted EBITDA plus the fee-based portion of distributions from equity accounted investees, less preferred share dividends, interest and illustrative cash taxes. Management believes fee-based distributable cash flow provides investors with a useful figure, which shows Pembina's historical ability to pay dividends on its common shares.

For additional information regarding non-GAAP measures, including reconciliations to the most directly comparable measures recognized by GAAP, please refer to Pembina's Annual MD&A and Interim MD&A, which are available which are available at www.sedar.com, www.sec.gov and through Pembina's website at www.pembina.com.

Contact Us

Pembina Pipeline Corporation

www.pembina.com

Toll free: 1.855.880.7404

Phone: 403.231.3156

Investor Relations inquiries:
investor-relations@pembina.com

Media Relations inquiries:
media@pembina.com