



Pembina Pipeline Corporation

2024 Investor Day

TSX: PPL; NYSE: PBA

May 16, 2024



Forward-Looking Statements and Information

This presentation contains certain forward-looking statements and forward-looking information (collectively, "forward-looking statements"), including forward-looking statements within the meaning of the "safe harbor" provisions of applicable securities legislation, that are based on Pembina Pipeline Corporation's ("Pembina" or the "Company") current expectations, estimates, projections and assumptions in light of its experience and its perception of historical trends. In some cases, forward-looking statements can be identified by terminology such as "continue", "anticipate", "schedule", "will", "expects", "estimate", "potential", "planned", "future", "outlook", "strategy", "protect", "trend", "commit", "maintain", "focus", "ongoing", "believe" 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 strategy and the development of new business initiatives and growth opportunities, including the anticipated benefits therefrom and the expected timing thereof; statements regarding Pembina's financial and operational performance, including the performance of its assets, expectations regarding Pembina's operational activities and areas of focus and future credit ratings and financial decisions; expectations about industry activities, development opportunities, infrastructure projects and market conditions, including their expected impact on Pembina and the timing and benefits thereof; expectations about future demand for Pembina's infrastructure and services; Pembina's sustainability, climate change and environmental, social and governance plans, initiatives, strategies and targets, including future actions taken in relation thereto and the timing and effectiveness thereof; Pembina's 2024 annual guidance; Pembina's capital allocation strategy, including expectations for 2024 capital spending and the Company's financial guardrails; Pembina's future common share dividends and expected share repurchases; anticipated timing of final investment decisions; planning, construction, locations, capital expenditure estimates, schedules, regulatory and environmental applications and anticipated approvals, expected capacity, incremental volumes, completion and in-service dates, rights, sources of product, activities and operations with respect to the new construction or expansions of existing pipelines, systems, gas services facilities, processing and fractionation facilities, terminalling, storage and hub facilities and other facilities or energy infrastructure, including the benefits and timing thereof; expectations regarding Pembina's commercial agreements, including the expected timing and benefit thereof; the expected demand for, and prices and inventory levels of, crude oil and other petroleum products, including NGL; and expectations, decisions and activities related to Pembina's projects, new developments and other activities, including the development, timing, costs and anticipated benefits of its projects and new developments, including the Phase VIII Peace Pipeline Expansion, Cedar LNG, RFS IV, ACG, the NEBC Infrastructure Expansion, the Wapiti Expansion, the K3 Cogeneration Facility, the Alliance/Aux Sable integration, the Pembina Low Carbon Complex and the low-carbon ammonia project.

These forward-looking statements are not guarantees of future performance and are based upon expectations, factors and assumptions that Pembina believes are reasonable as of the date hereof, although there can be no assurance that these expectations, factors and assumptions will prove to be correct. These forward-looking statements are also subject to a number of known and unknown risks and uncertainties that could cause actual events or results to differ materially from those implied by such forward-looking statements, including, but not limited to: the regulatory environment and decisions, and Indigenous and landowner consultation requirements; the impact of competitive entities and pricing; reliance on third parties to successfully operate and maintain certain assets; reliance on key relationships, joint venture partners and agreements; labour and material shortages; the strength and operations of the oil and natural gas production industry and related commodity prices; non-performance or default by counterparties to agreements which Pembina or one or more of its affiliates has entered into in respect of its business; actions by governmental or regulatory authorities, including changes in tax laws and treatment, changes in royalty rates, changes in regulatory processes or increased environmental regulation; the ability of Pembina to acquire or develop the necessary infrastructure in respect of future development projects; fluctuations in operating results; adverse general economic and market conditions, including potential recessions in Canada, North America and worldwide resulting in changes, or prolonged weaknesses, as applicable, in interest rates, foreign currency exchange rates, inflation rates, commodity prices, supply/demand trends and overall industry activity levels; constraints on, or the unavailability of, adequate supplies, infrastructure or labour; the political environment in North America and elsewhere, and public opinion; the ability to access various sources of debt and equity capital on acceptable terms; adverse changes in credit ratings; counterparty credit risk; technology and cyber-security risks; natural catastrophes; current and future geopolitical events and their potential impact on, among other things, global market conditions and supply and demand, energy and commodity prices, interest rates, supply chains and the global economy generally. This list of risk factors should not be construed as exhaustive.

For additional information relating to the assumptions made, and the risks and uncertainties, which could impact the forward-looking statements herein and cause results to differ materially from those predicted, forecasted or projected by such forward-looking statements, see Pembina's annual information form and management's discussion and analysis, each dated February 22, 2024, for the year ended December 31, 2023, and Pembina's other public disclosure documents available at www.sedarplus.ca, www.sec.gov and through Pembina's website at www.pembina.com.

Management approved the revised 2024 adjusted EBITDA guidance on April 1, 2024, and the other 2024 guidance contained herein (including guidance regarding adjusted cash flow from operating activities, proportionately consolidated debt-to-adjusted EBITDA, rating agency funds from operations-to-debt, capital spending, fee-based contribution to adjusted EBITDA, payout of fee-based distributable cash flow and standard payout ratio) as of the date of this presentation. The purpose of such guidance is to assist readers in understanding Pembina's expected and targeted financial results, and such information may not be appropriate for other purposes. Pembina and its management believe that such financial outlooks have been prepared based on assumptions that are reasonable in the circumstances, reflecting management's best estimates and judgments, and represents, to the best of management's knowledge and opinion, expected and targeted financial results. However, because this information is highly subjective, it should not be relied on as necessarily indicative of future results.

The forward-looking statements contained in this presentation speak only as of the date of this presentation. Pembina does not undertake any obligation to publicly update or revise any forward-looking statements or information contained herein, except as required by applicable laws. The forward-looking statements contained in this presentation are expressly qualified by this cautionary statement.

Land Acknowledgement

Pembina acknowledges that the City of Toronto is located on the traditional territories of the Anishinaabeg, Chippewa, Haudenosaunee, the Wendat and the Mississaugas of the Credit. Pembina also acknowledges our traditional hosts and thank them for their graciousness in welcoming us to carry out work on their lands.

Pembina recognizes and respects the spirit and intent of the United Nations Declaration on the Rights of Indigenous peoples and that all people, including industry and government, must play a role in advancing Truth and Reconciliation. We acknowledge the original inhabitants of this place who have hunted, fished, gathered, and taken care of these lands while respecting their sovereignty, right to self-determination, sacred spiritual connection with the land and water.

The Indigenous peoples have inhabited these land and waters since time immemorial and we are thankful to be here today as a guest.



The Pembina Team



Scott Burrows
*President &
Chief Executive Officer*



Eva Bishop
*Senior Vice President &
Corporate Services Officer*



Cameron Goldade
*Senior Vice President &
Chief Financial Officer*



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



Chris Scherman
*Senior Vice President,
Marketing & Strategy Officer*



Jaret Sprott
*Senior Vice President &
Chief Operating Officer*



Stuart Taylor
*Senior Vice President &
Corporate Development Officer*



Agenda

Welcome and Opening Remarks

8:30 a.m.

CEO Perspective

Scott Burrows

Strategy

Chris Scherman

Core Business

Jaret Sprott, Chris Scherman

Break

15 minutes

New Ventures

Stuart Taylor

Financial Outlook

Cameron Goldade

Q&A

All

CEO Perspective

Heart of the Industry



Scott Burrows

President & Chief Executive Officer



Heart of the Industry

CEO Perspective

Positioned to Succeed

Strategy

Poised to Capture Growth

Core Business

Global Access and the Future of Energy

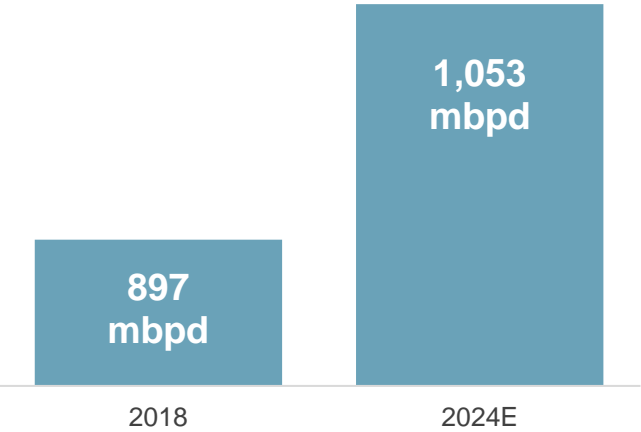
New Ventures

Means to Execute

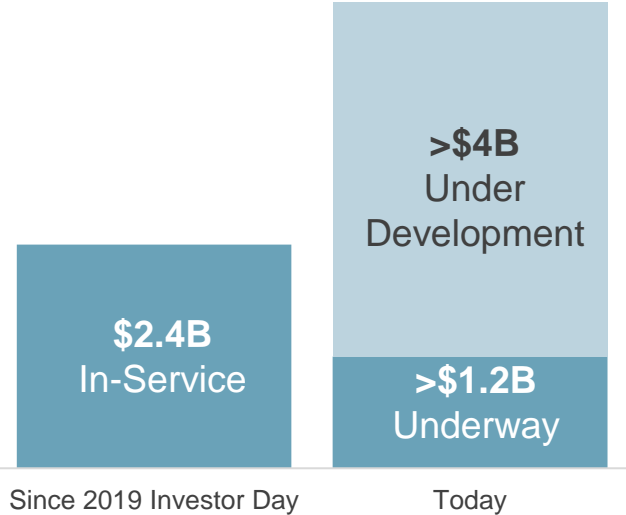
Financial Outlook

Since 2019 Investor Day...Pembina has Executed on all Fronts

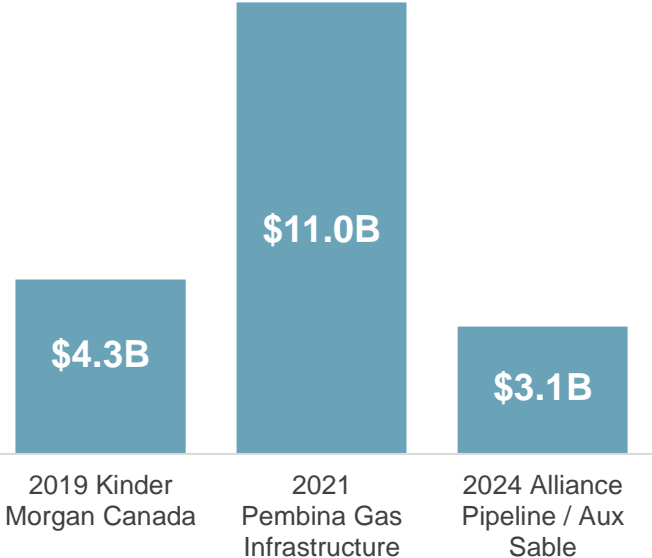
Conventional Volumes



Major Projects

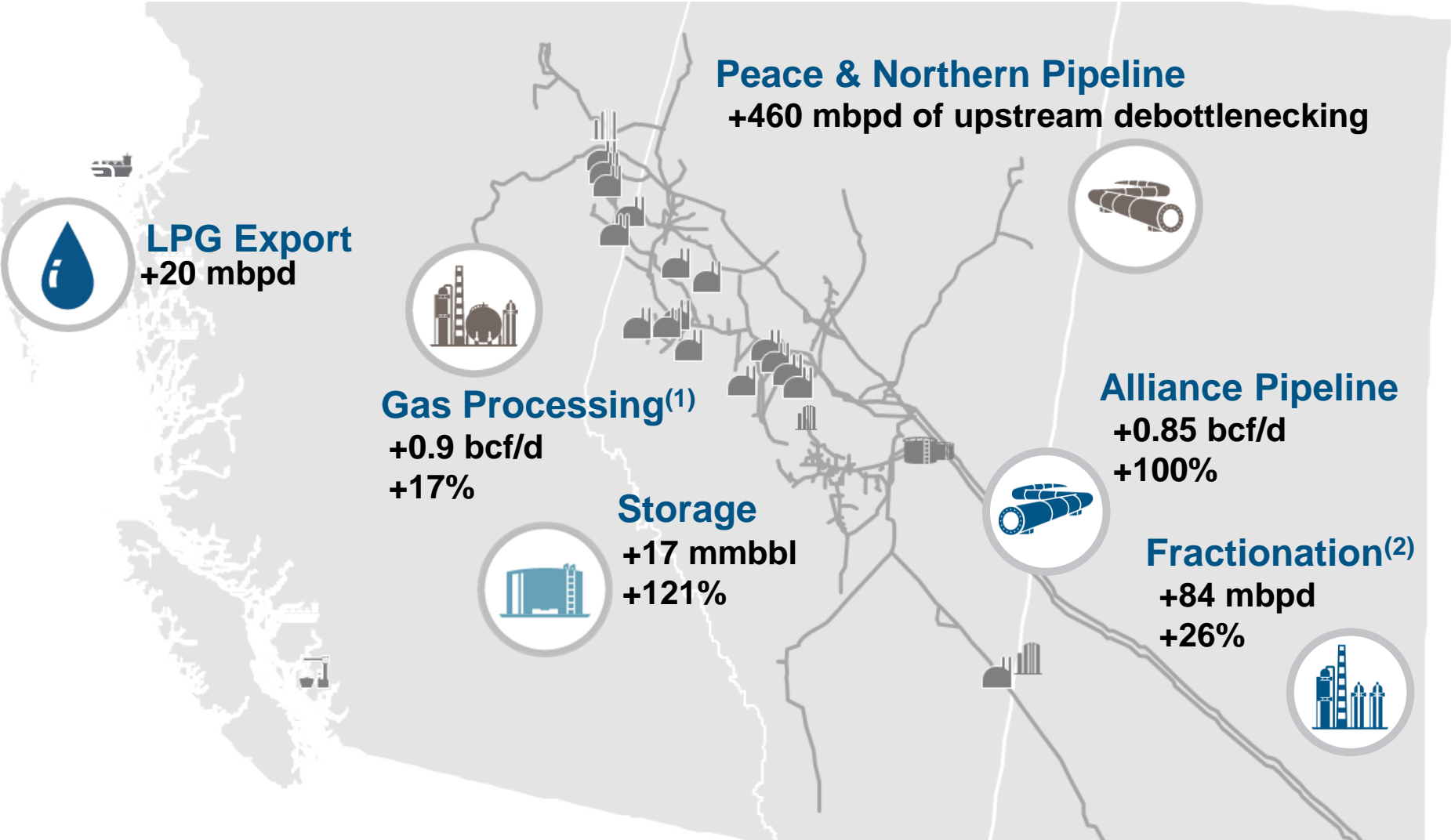


Strategic M&A⁽¹⁾



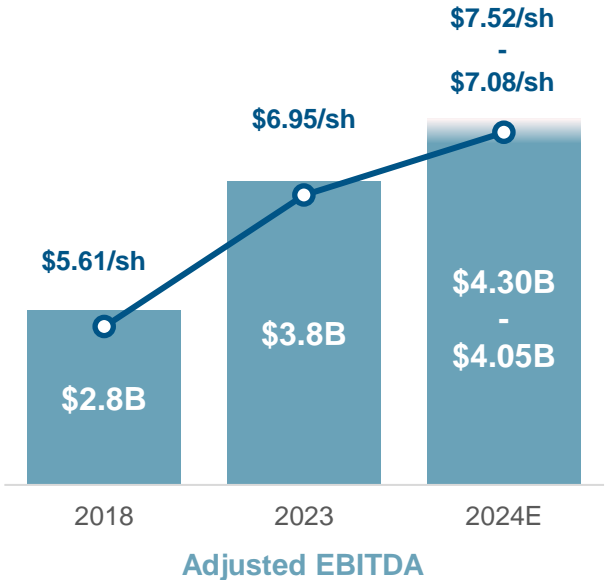
Volume growth, new projects, and strategic acquisitions have significantly expanded Pembina's service offering

Since 2019 Investor Day...Pembina has Expanded its Footprint



Since 2019 Investor Day...Pembina has Delivered for Investors

Financial Performance



Shareholder Returns

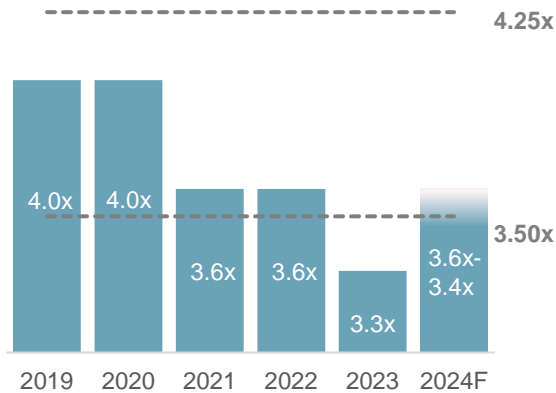
\$7.2 billion
 (\$13.27 per share)
 Common Share Dividend
 2019 through Q1'2024

+70%

Total Shareholder Return⁽¹⁾
 Since December 31, 2018

Since 2019 Investor Day...Led the Evolution of Energy Infrastructure

Balance Sheet Strength⁽¹⁾

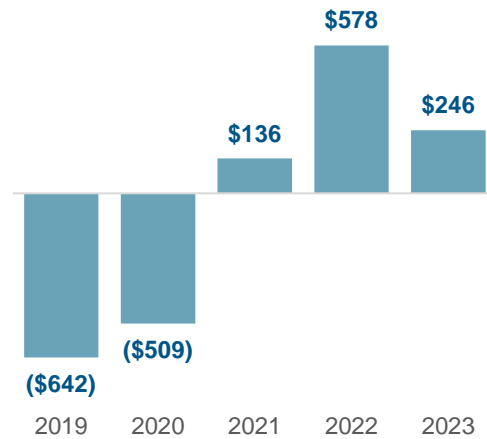


Proportionately consolidated debt-to-adjusted EBITDA

Reduced leverage toward the low end of target range



Self-Funded Model⁽¹⁾⁽²⁾

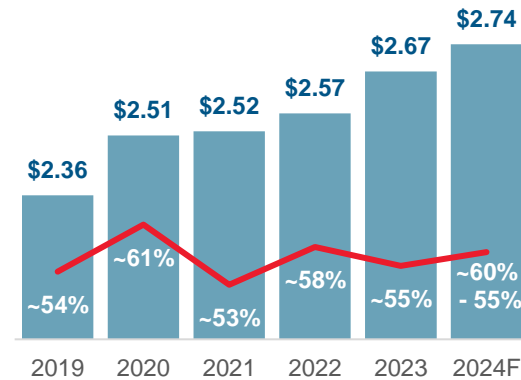


Free Cash Flow

Positioned to fund organic growth without the need for equity



Dividend Protection



Dividend per share
Payout Ratio

Grew the dividend while reducing its payout ratio

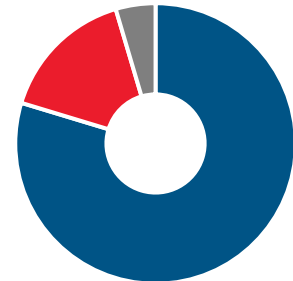


Return of Capital

\$7.2bn
Common Share Dividend

\$1.4bn
Preferred Share Dividend and Redemption

\$0.4bn
Common Share Buyback

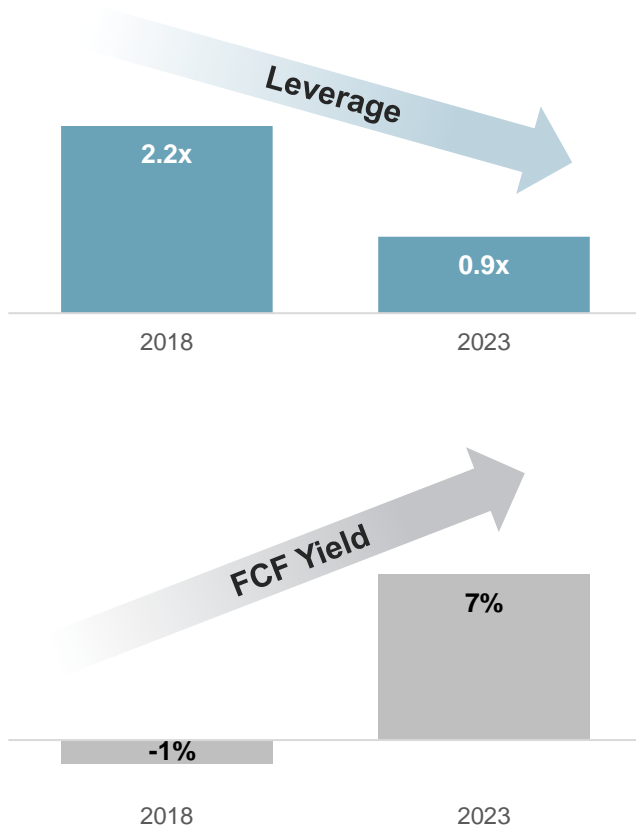


Returned ~\$9 billion to shareholders



Since 2019 Investor Day...Our Customers Grew Stronger

Sustainable Business Models⁽¹⁾

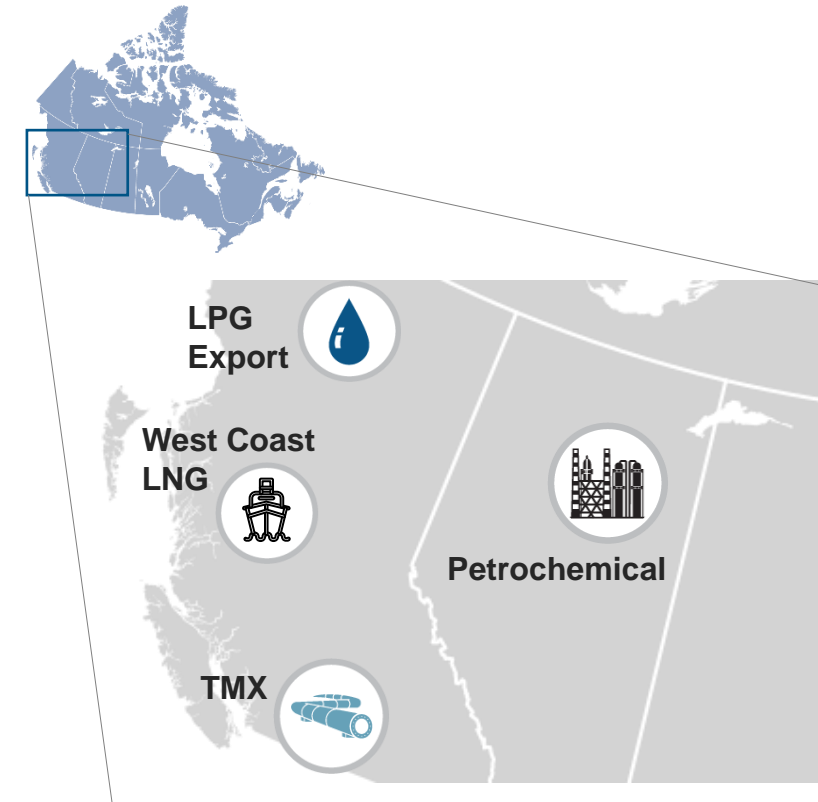


Consolidation Enhancing Capability

- ✓ Creditworthiness
- ✓ Scale
- ✓ Growth
- ✓ Financial / Funding
- ✓ Execution / Productivity



Egress Alleviating Growth Constraints



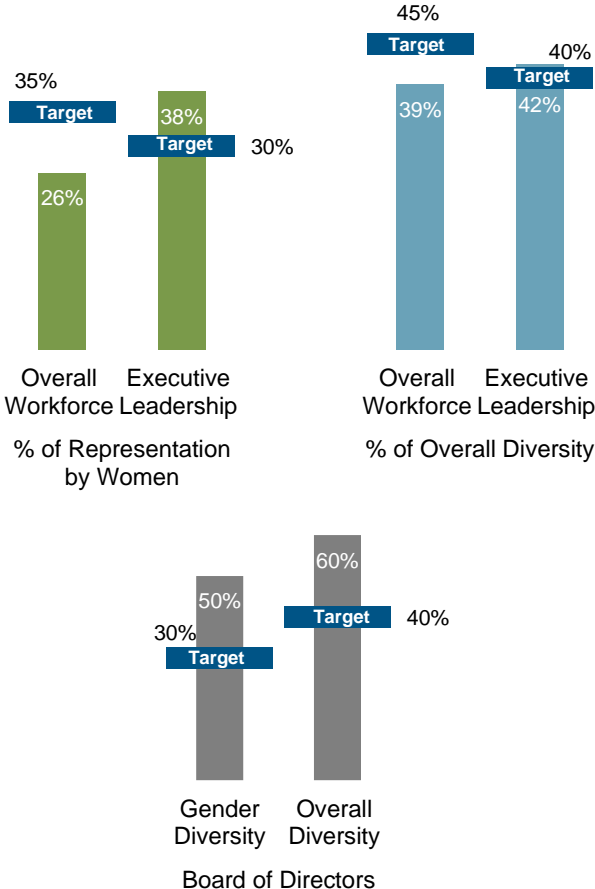
Customers are financially sound and poised to deliver sustainable volume growth

Since 2019 Investor Day...Pembina has Elevated its ESG Strategy

GHG Reduction Target

- 30% reduction in greenhouse gas emissions intensity by 2030⁽⁴⁾
 ~7% achieved through 2023
- Operational improvements
- Powering infrastructure with renewable energy
- Investing in lower-carbon projects

EDI Targets⁽¹⁾⁽²⁾



ESG Ratings⁽³⁾

SUSTAINALYTICS
 ESG 2024
INDUSTRY TOP RATED

MSCI
 ESG RATINGS
AA

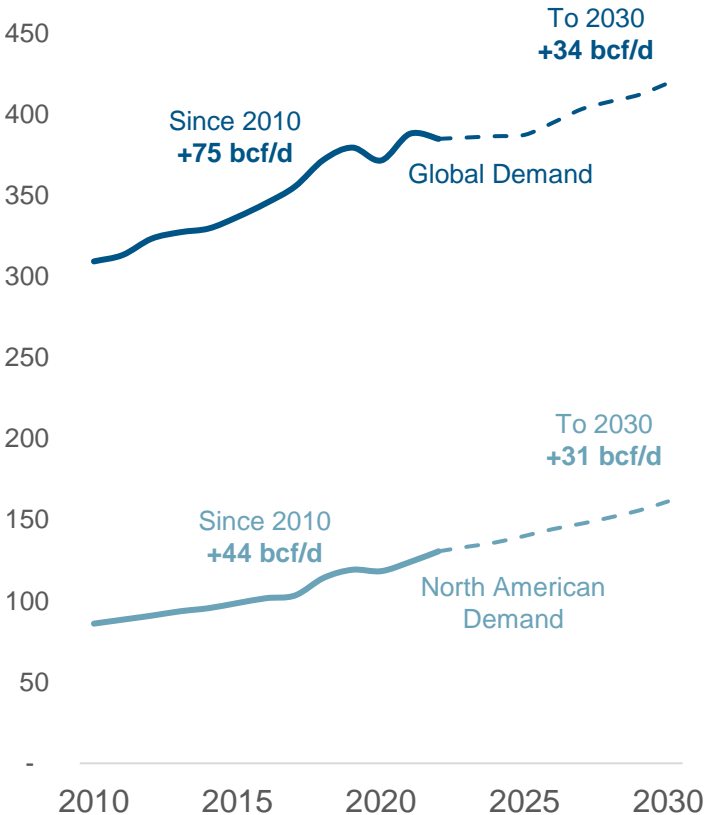
ISS CORPORATE SOLUTIONS | **ISS ESG**

- Governance: 1
- Environment: 2
- Social: 1

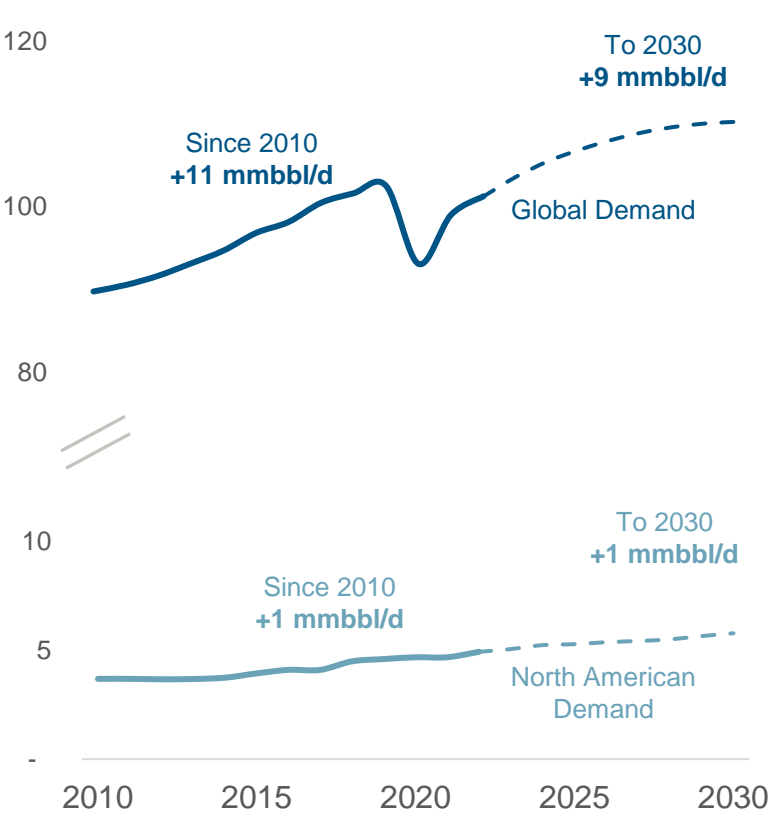
CDP B
 DISCLOSURE INSIGHT ACTION

Global Energy Demand Forecasted to Grow Through 2030⁽¹⁾

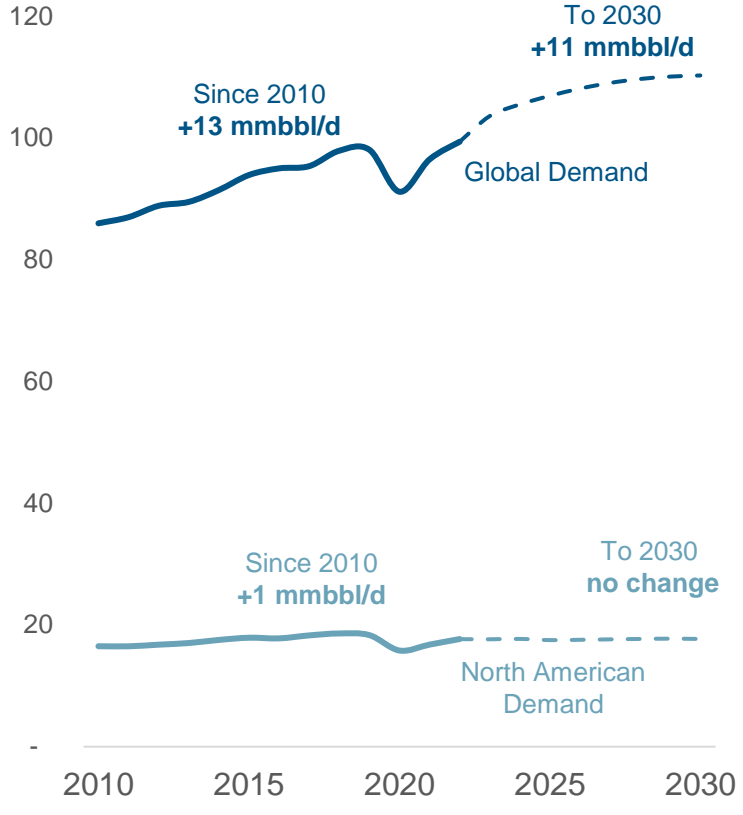
Natural Gas (bcf/d)



Natural Gas Liquids (mmbbl/d)



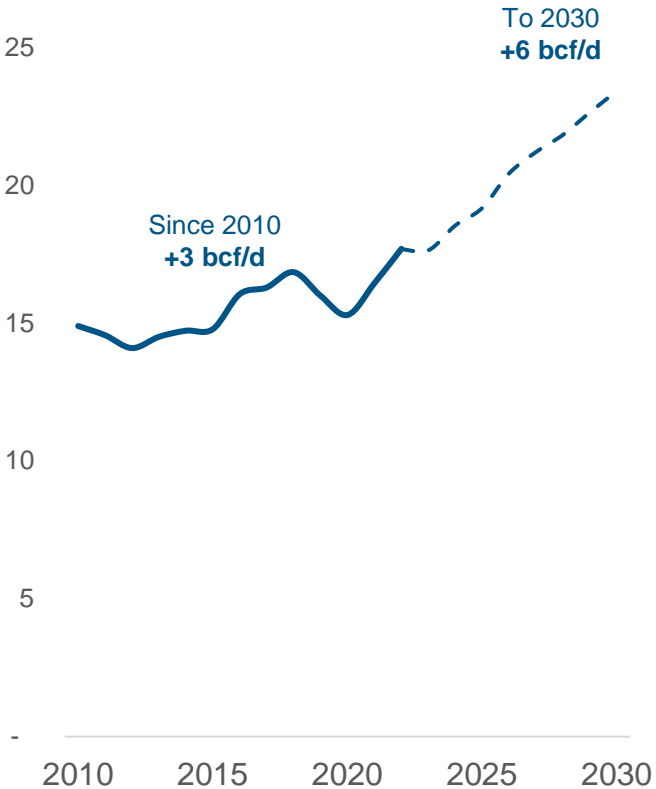
Crude Oil (mmbbl/d)



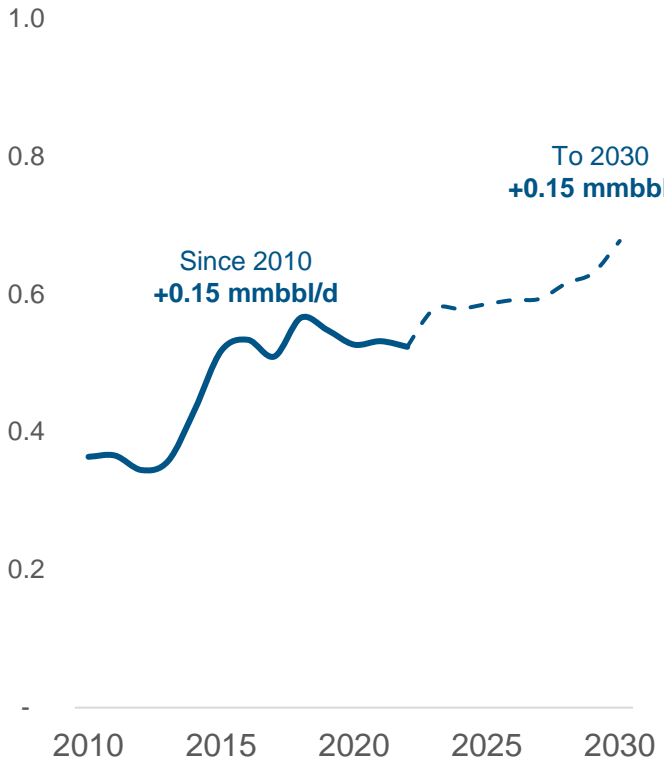
Source: Wood Mackenzie

Canadian Energy Production Forecasted to Grow Through 2030⁽¹⁾

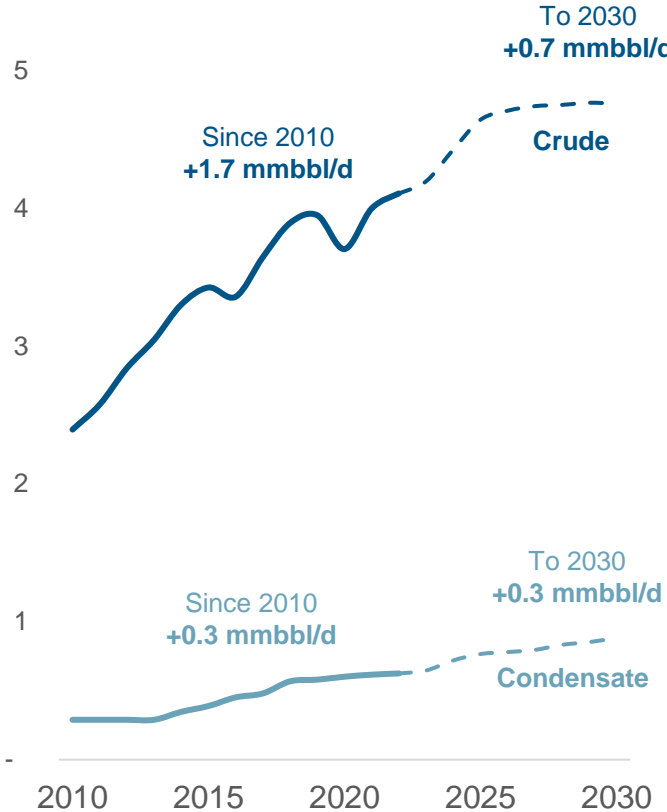
Natural Gas (bcf/d)



Natural Gas Liquids (mmbbl/d)

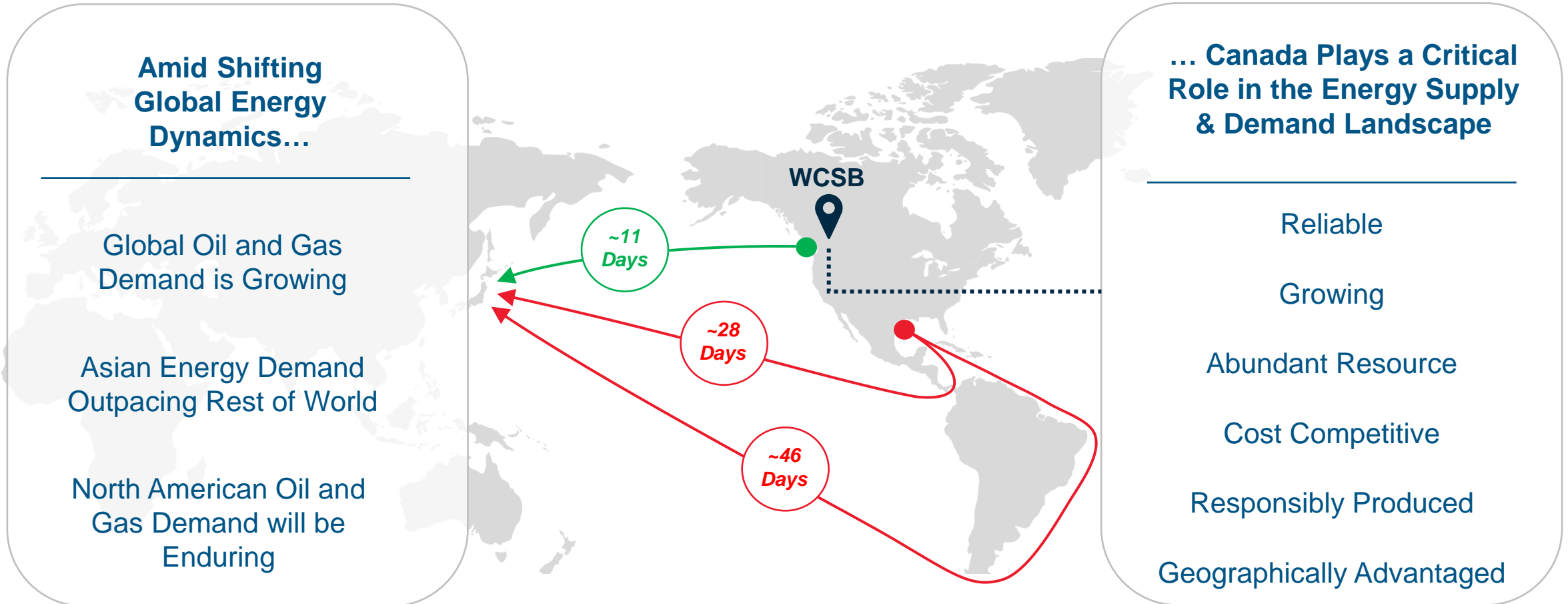


Crude Oil and Condensate (mmbbl/d)



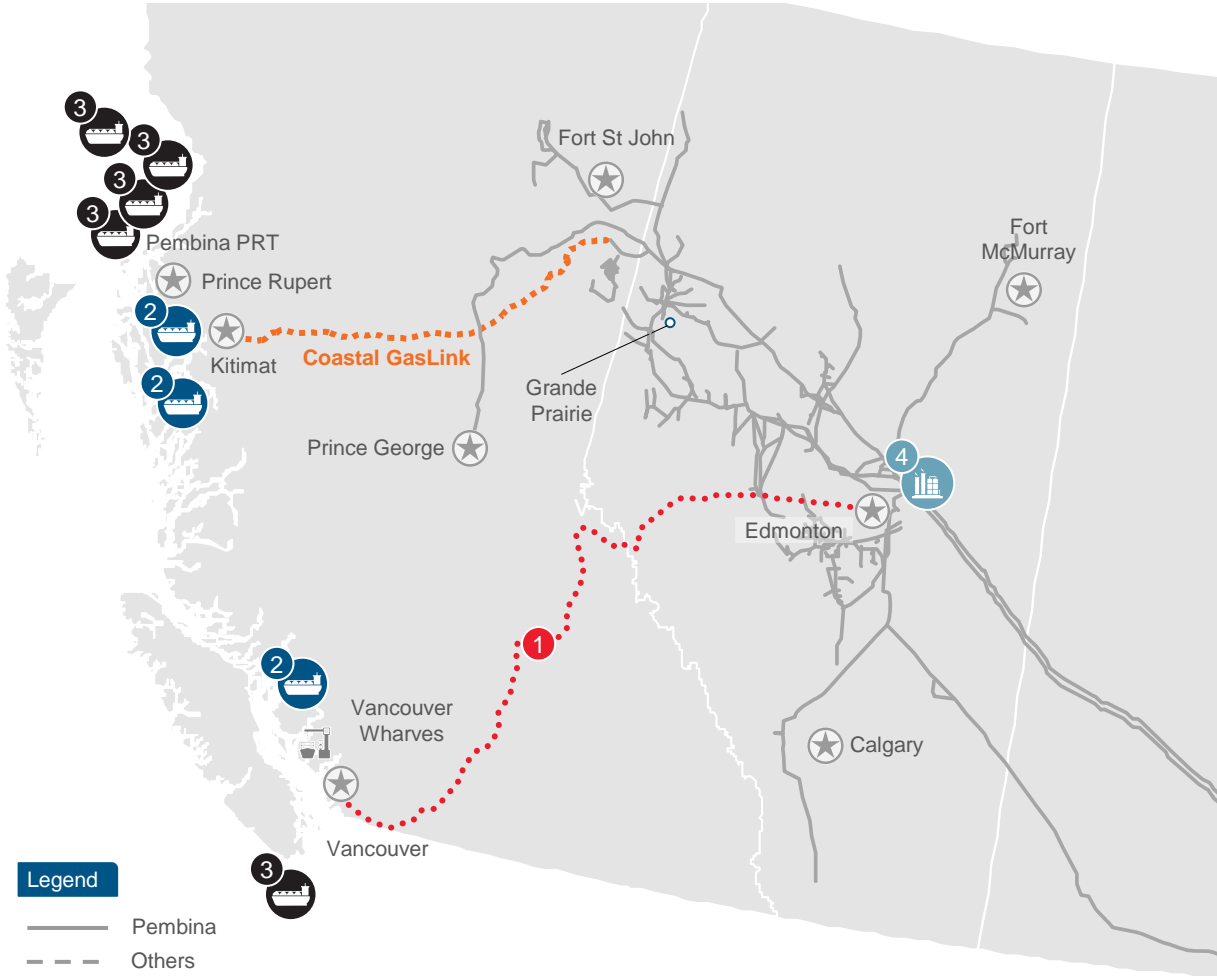
Source: Wood Mackenzie and S&P Global Commodity Insights

Positioned to Support Growing Global Energy Demand⁽¹⁾



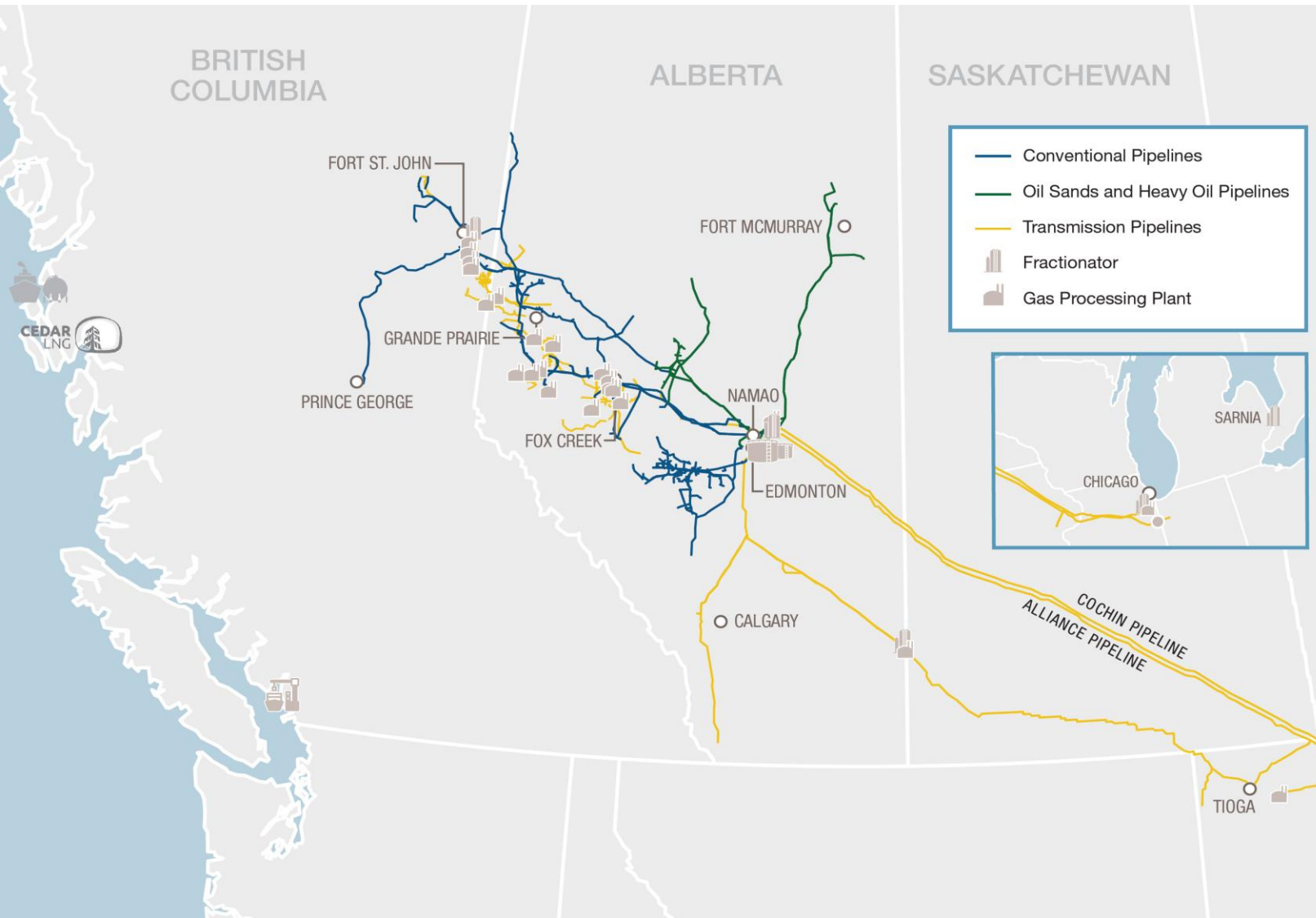
Canadian Energy Growth Being Driven by Demand Pull Dynamics

| | | |
|--------------------------|-------------|---|
| 1 | 2024 | Incremental crude egress and condensate demand |
| Trans Mountain Expansion | | |
| 2 | 2025 - 2028 | Increased natural gas demand and associated NGL production |
| West Coast LNG Exports | | |
| 3 | 2026 + | Additional marine egress for growing NGL production |
| LPG Exports | | |
| 4 | 2027 - 2029 | New ethane demand from petrochemical development and associated propane-plus production |
| Alberta Petrochemicals | | |



Transformational developments within the WCSB are expected to drive growing volumes through 2030

Leading Network of Pipeline Systems⁽¹⁾



~3.0 mmbpd hydrocarbon transportation capacity

~10 mmbbl above ground storage capacity

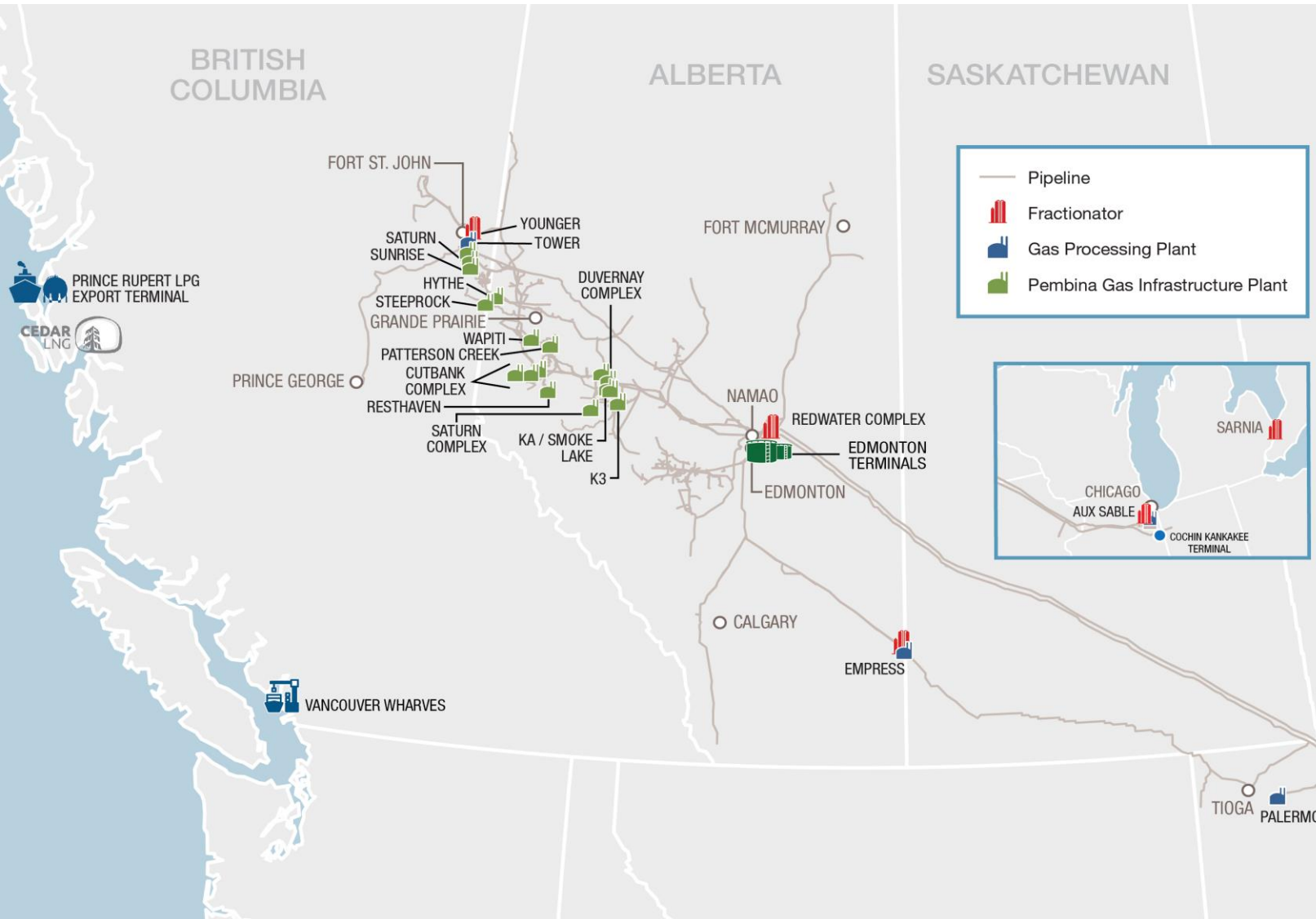
Irreplicable Pipeline Network

Conventional - including the **Peace Pipeline** system; transports condensate, ethane-plus NGL, propane-plus NGL and crude oil from the production areas across the WCSB to primarily Edmonton/Fort Saskatchewan, Alberta

Transmission - transports NGL-rich natural gas (**Alliance**) and ethane (**Vantage/AEGS**) as well as condensate imports (**Cochin**)

Oil Sands - serves long-life resources, including the **Syncrude** and **Horizon** oil sands projects, and **Nipisi** pipeline in the growing Clearwater area

Extensive Gas Processing, Fractionation, Storage and Export Facilities⁽¹⁾



- ~6.3 bcf/d gas processing capacity
- ~115 mbpd condensate stabilization
- ~410 mbpd fractionation capacity
- ~21 mmbbl cavern storage capacity
- ~20 mbpd propane export capacity

Legend:

- Pipeline
- 🏭 Fractionator
- 🏭 Gas Processing Plant
- 🏭 Pembina Gas Infrastructure Plant



Pembina Gas Infrastructure

Largest third-party gas processor in Canada covering North Central Alberta to Northeast B.C. (Montney, Duvernay and Deep Basin)

Redwater Fractionation Complex

Largest NGL fractionation complex in Canada with dedicated ethane and propane-plus capacity

Aux Sable

Valuable extraction and fractionation of liquids-rich WCSB natural gas facilitating producer access to robust U.S. market

Prince Rupert Terminal

Global markets access for Canadian propane

Extensive portfolio of industry-leading facilities highly integrated with Pembina's pipeline assets

Complete Value Chain – Wellhead to Market

Natural Gas



Energy transition catalyst, full alignment with global ESG efforts

- **PGI** - Premier natural gas processing partnership in North America
- **Alliance** - Cross border WCSB gas transport to higher value, resilient, US Mid-Continent demand
- **Cedar LNG** - LNG export connectivity to growing Asian markets

Natural Gas Liquids (NGL)

(Ethane, Propane, Butane)



Natural commodity hedge – bridge from lighter to heavier molecules

- **Peace, RFS & PRT** - Propane leadership – dedicated C3+ pipe, frac, rail and market access
- **PGI, Peace, RFS & AEGS** - Ethane platform – dedicated C2+ and spec C2 pipe, C2+ frac

Condensate



Premium value product underpinning producer economics

- **Peace & NEBC Pipeline** - Unparalleled reach and flexibility to WCSB condensate supply sources
- **Cochin** - Demand pull infrastructure; product delivery to premium market
- **Peace franchise** - High quality product spec supporting efficient end use as diluent

Crude Oil



Longest life reserves on a global scale – Canadian oil sands

- **Syncrude & Horizon**: Core synthetic oil transport pipelines
- **Edmonton Terminals**: 9 mmbbl (net) storage infrastructure for customers and marketing commerce
- **Nipisi Pipeline**: Egress for growing Clearwater production

Superior Service Offering Across All Commodities⁽¹⁾



| Canadian Peers - WCSB Service Offering by Commodity | Natural Gas | | | Natural Gas Liquids (NGL) (Ethane, Propane, Butane) | | | | | Condensate | | Crude Oil | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|--|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| | Gathering & Processing | Domestic Transportation | Export | C2 + Transportation | C3+ Transportation | Fractionation | Marketing | LPG Export | Domestic Transportation | Import | Domestic Transportation | Storage | Export |
| PEMBINA | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Peer 1 | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Peer 2 | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Peer 3 | <input checked="" type="checkbox"/> | | | | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | |
| Peer 4 | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | |
| Peer 5 | | | | | | | | | | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |

Core Energy Infrastructure Holding in Any Portfolio

Full Value Chain Across All Commodities

- Premier **natural gas liquids franchise** – gas processing plus NGL transportation and fractionation infrastructure
- **Natural gas** transport / export through Alliance and proposed Cedar LNG
- Leading **condensate** transportation system
- **Crude oil** pipelines transporting both conventional oil and synthetic oil from long-life oil sands

Visible Growth

- Pembina positioned to benefit from **transformational developments** in the WCSB
- M&A execution expertise and disciplined portfolio enhancement

Financial Discipline

- 4% to 6% fee-based adjusted **EBITDA per share growth**
- **Financial guardrails** – consistent, uninterrupted and part of Pembina's DNA
- **Strong BBB** investment grade rating – trending at low-end of leverage target

Predictable Cash Flow

- **Low risk business** model supported by long-term, predominantly take-or-pay contracts
- ~80% - 90% fee-based, including ~**65% - 70% take-or-pay** or cost-of-service

Exemplary Project Execution

- Strong **track record** of organic project execution with >\$6 billion on time and on budget since 2017
- Longstanding proven and tested **contractor partnerships**

Positioned for the Future

- **Strategy** positions Pembina for long-term hydrocarbon demand and energy transition
- Generating **option value** from new energies value chain extensions
- Building on our **70-year** track record of delivering value

Strategy

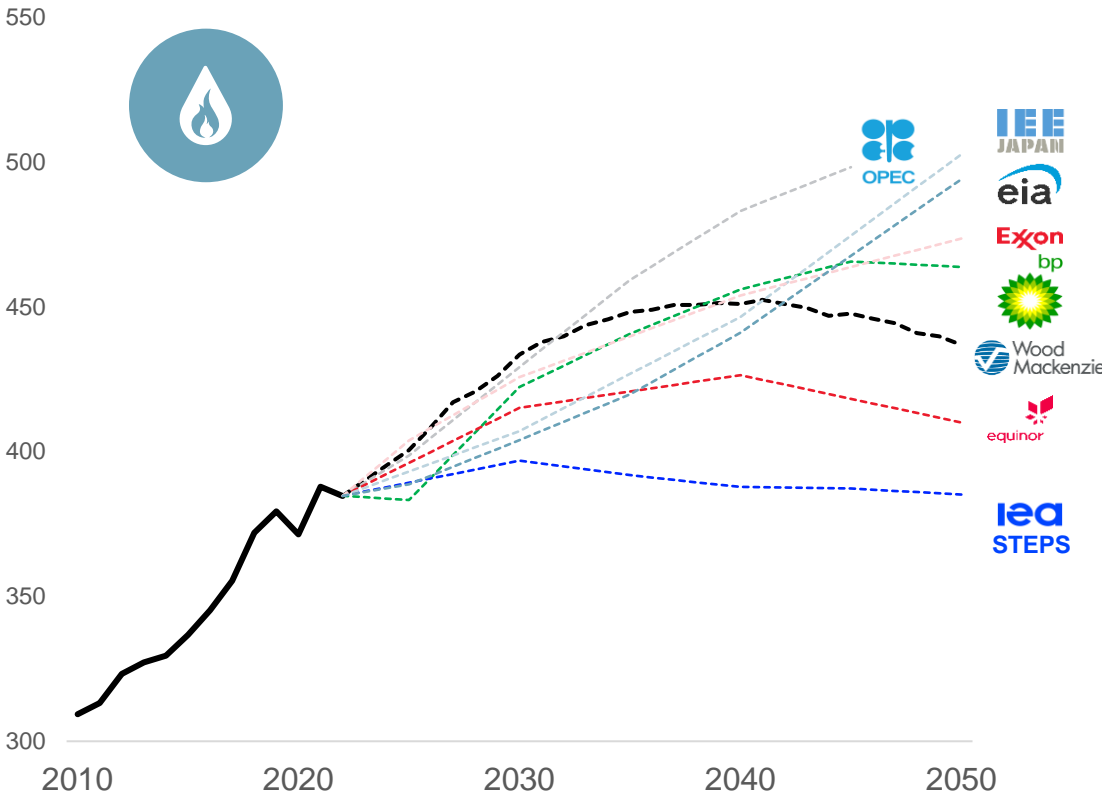
Positioned to Succeed



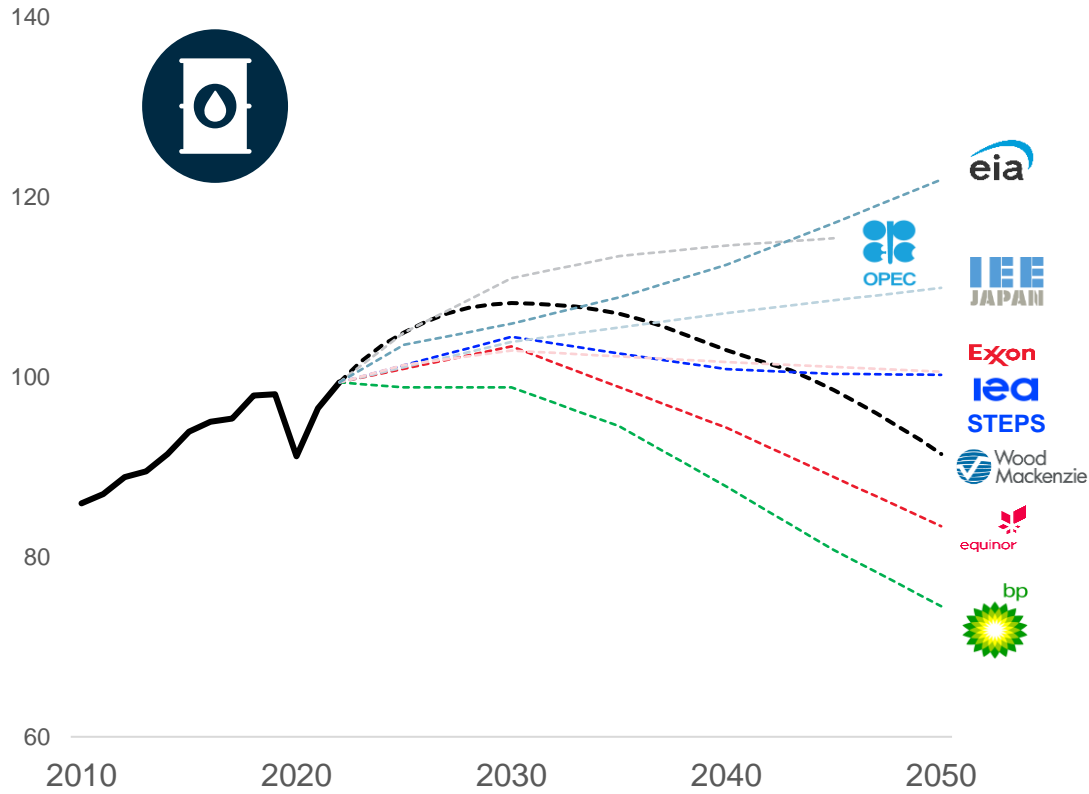
Chris Scherman
*Senior Vice President,
Marketing & Strategy Officer*

Global Energy Demand - Range of Forecasts to 2050⁽¹⁾

Natural Gas (bcf/d)

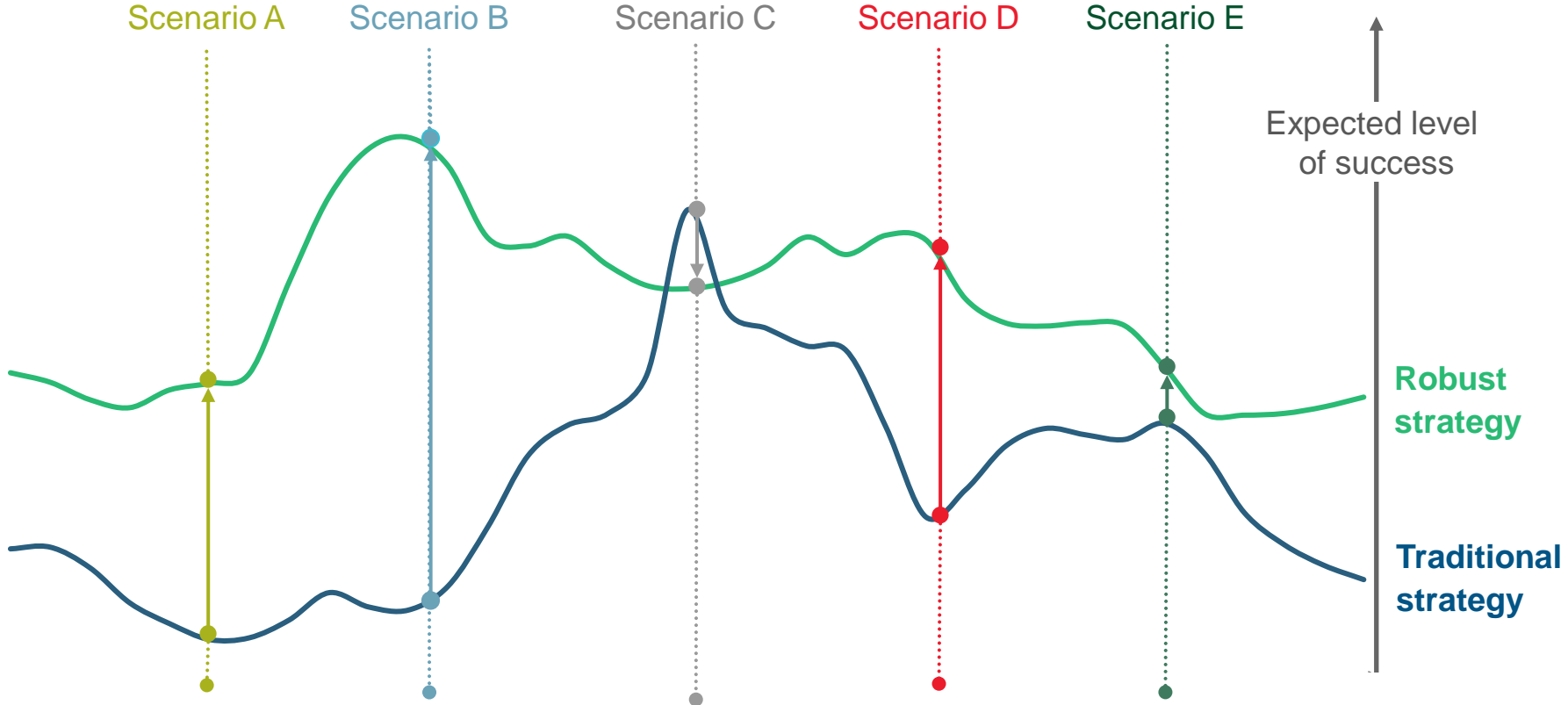


Crude Oil (mmbbl/d)



Global energy demand forecasts generally trending upward, but range of outcomes creates uncertainty

Scenario Based Approach to Developing Strategy



Developed a strategy that thrives in the face of a range of outcomes

Themes Influencing our Strategy

Global Demand for Oil and Gas is Growing and will be Enduring

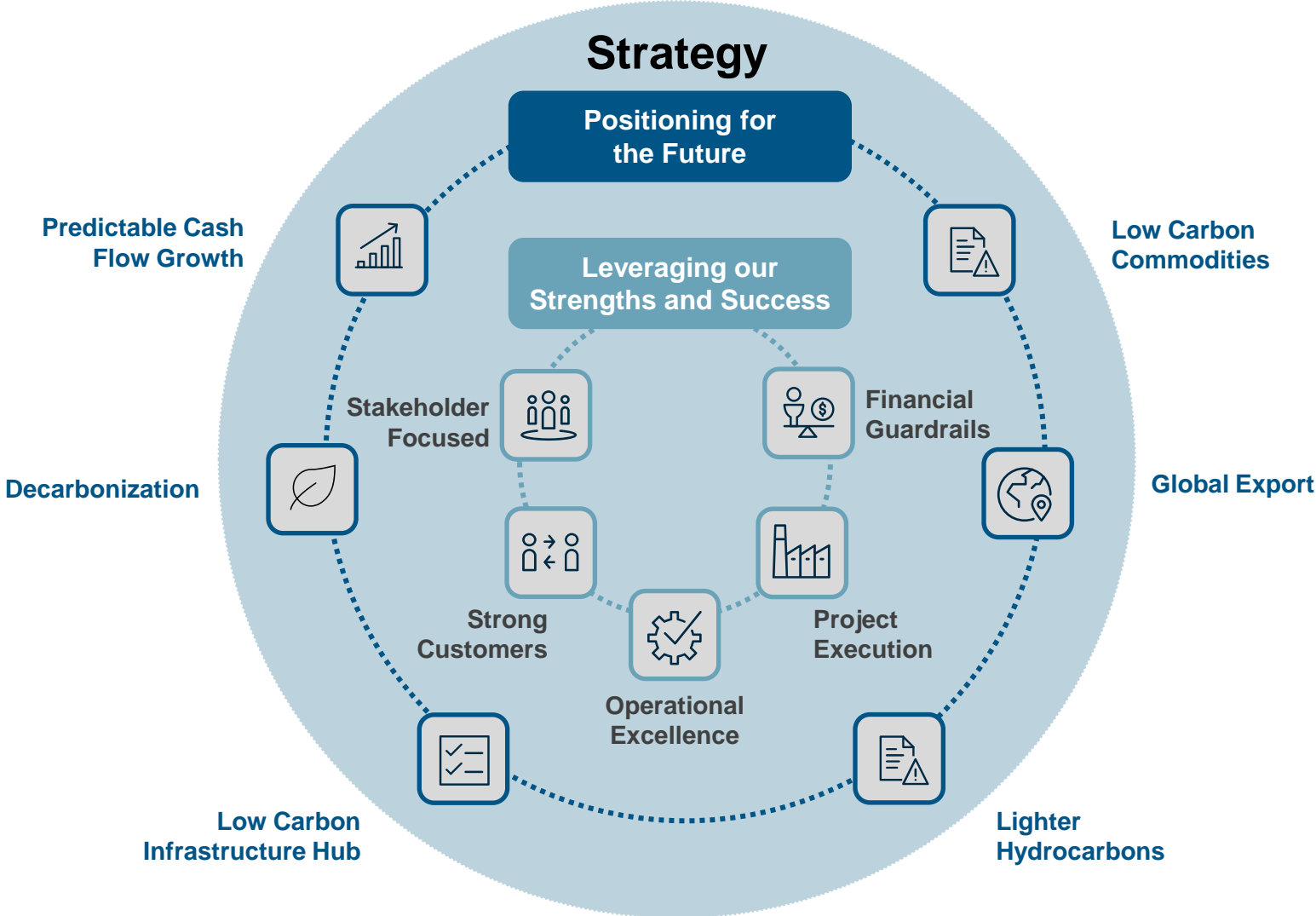
The Energy Transition is Driving a Shift in the Global Energy Mix

Canada is Positioned to Support Growing Global Energy Demand

Pembina is Differentiated and Uniquely Advantaged

Strategy is an Extension of Our Proven Performance

- To be resilient
- To thrive
- To meet global demand
- To set ourselves apart



Strategic Priorities

Purpose: We deliver extraordinary energy solutions so the world can thrive



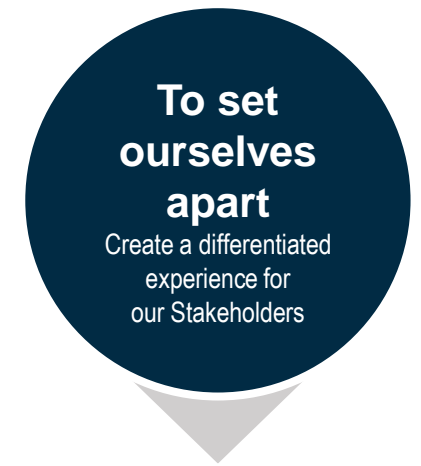
Drive strong returns from core business



Ensure continued success beyond 2030



Supply growing and resilient markets and maximize the value of our products



Ensure support from, and benefits for, all stakeholders

To Be Resilient...



...we will sustain, decarbonize, and enhance our business.



Sustain

Operational Excellence

Safe, reliable, and cost-effective operations supported by continuous improvement

Contractual Underpinning

Cash flow stability and predictability through long-term, take or pay contracts

Project Execution

Safe delivery of projects, on time and on budget



Decarbonize

Emissions Reduction

Operational improvements and investments to achieve 30% reduction in emissions intensity by 2030 (vs. 2019)



Enhance

Capture WCSB Growth

Increase utilization and develop new projects to respond to WCSB volume growth

Build an Enduring Portfolio

Resilient products; increasing exposure to growing markets and lighter hydrocarbons

Margin Improvement

Cost savings, optimization and incremental opportunities within the existing business



Recent Accomplishments

- Alliance / Aux Sable Transaction
- Phase VIII Peace Pipeline expansion
- RFS IV fractionation expansion
- Nipisi pipeline reactivation
- NEBC MPS expansion
- PGI Wapiti plant expansion and K3 cogeneration
- Recontracting of Peace Pipeline and Cochin Pipeline
- ~7% cumulative GHG emissions intensity reduction⁽¹⁾

To Thrive...

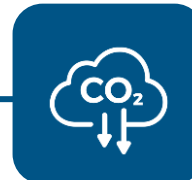


...we will invest in the energy transition to improve the basins in which we operate.



Low Carbon Infrastructure Hubs

Provide services to low carbon businesses, enabling the energy transition



Low Carbon Commodities

Hydrogen and hydrogen carriers such as ammonia



Carbon Transport and Storage

Supporting industry's efforts to decarbonize through carbon capture and sequestration



Recent Accomplishments

- Advanced development of Cedar LNG
- Continued development of the Alberta Carbon Grid
- Announced vision for the Pembina Low Carbon Complex
- Entered into a multi-year strategic investment with a major energy transition venture fund

Investments in the energy transition will focus on technologies and businesses where Pembina has a “right-to-win” and will be approached with the same financial prudence as Pembina’s core business.

To Meet Global Demand...



...we will transform and export our products.



West Coast LNG

Expanding global market access for Canadian natural gas



Coastal Egress

Rail and export terminals to support global market access for hydrocarbon products



U.S. Midwest NGL Platform

Transportation, fractionation and marketing of NGL in robust U.S. markets




Recent Accomplishments

- Advanced development of Cedar LNG
- Alliance / Aux Sable Transaction

To Set Ourselves Apart...




...we will create a differentiated experience for our stakeholders.




Investors

receive sustainable industry-leading total returns




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



Communities

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



Recent Accomplishments

- +70% total shareholder return since YE 2018
- Strong safety performance
- Supported communities affected by wildfires
- Improved employee engagement scores
- Employee inclusion networks
- Sustainability Report
- >\$11 million community investment in 2023

By 2030

To be resilient

Sustain, decarbonize, and enhance our businesses

Strengthened Franchise

- Grown and strengthened the core business in response to growing customer demand
- Margin improvement
- Executed projects on-time, on-budget
- Decarbonized our core business to meet 30X30 target

To thrive

Invest in the energy transition to improve the basins in which we operate

Enduring Portfolio

- Transformed WCSB commodities into high-margin products
- Gained greater exposure to lighter hydrocarbons
- Entered businesses associated with low-carbon commodities
- Enabled greater access to growing global markets

To meet global demand

Transform and export our products

To set ourselves apart

Create a differentiated experience for our Stakeholders

Differentiated Stakeholder Experience

- Demonstrated top quartile safety performance, customer service, and total shareholder returns
- Exceeded employee experience benchmark
- Created long-term partnerships with Indigenous Peoples and Communities

Capital Excellence

Grown fee-based adjusted EBITDA per share achieving 4 - 6% CAGR, maintained financial guardrails, increased return on invested capital, and provided market leading returns

By 2030, we will become more resilient while maintaining our core risk parameters

Core Business

Poised to Capture Growth



Jaret Sprott
*Senior Vice President &
Chief Operating Officer*



Chris Scherman
*Senior Vice President,
Marketing & Strategy Officer*

Journey to 2030



- Highly-utilized, reliable, and cost-effective asset base
- Continued industry-leading project execution
- Leverage footprint and reputation for sustained accretive growth
- Commitment to decarbonization roadmap

- Continuously improving physical, process, and psychological safety culture
- Highly engaged and diverse employees
- Best-in-class customer service
- Enduring Indigenous and community partnerships

Safety is Foundational

2023 Results

- Incidents with serious injury or fatality potential **reduced by 35%** compared to 2022
- Lost workday injuries **decreased by 29%** compared to 2022
- Over 18,000 leadership engagements, a **100% increase** over 2022
- Contractor Safety Summit held to listen, learn and understand our contractors' safety experiences

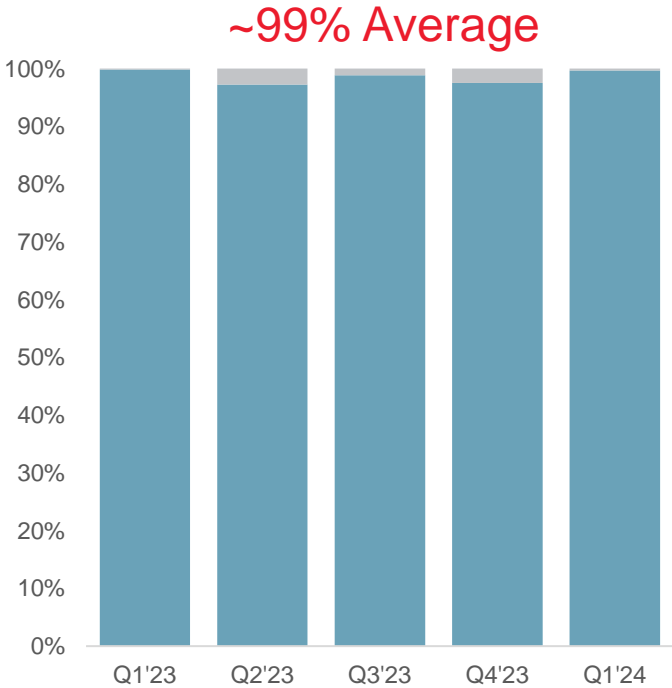
2024 Focus Areas

- Contractor selection, onboarding, performance assurance
- Enhancing our safety leadership skills
- Evolving Pembina's Operations Excellence Management System
- Process Safety

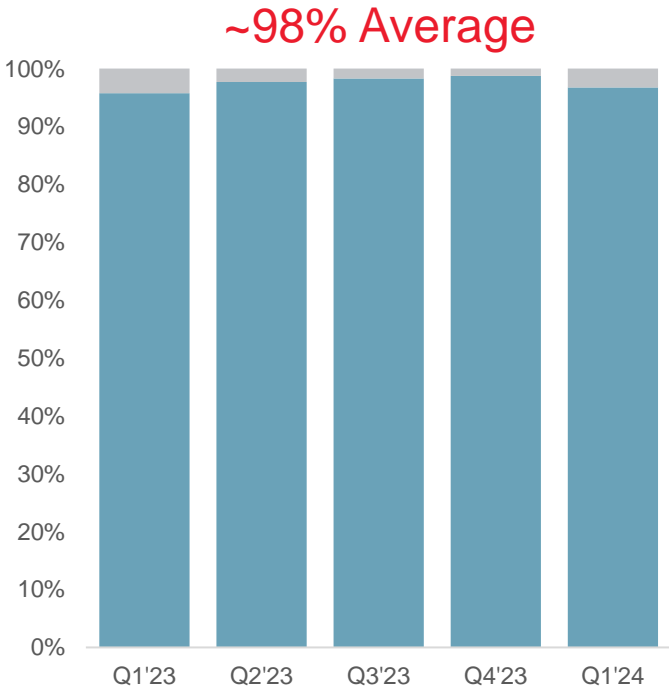


Highly Reliable Operations

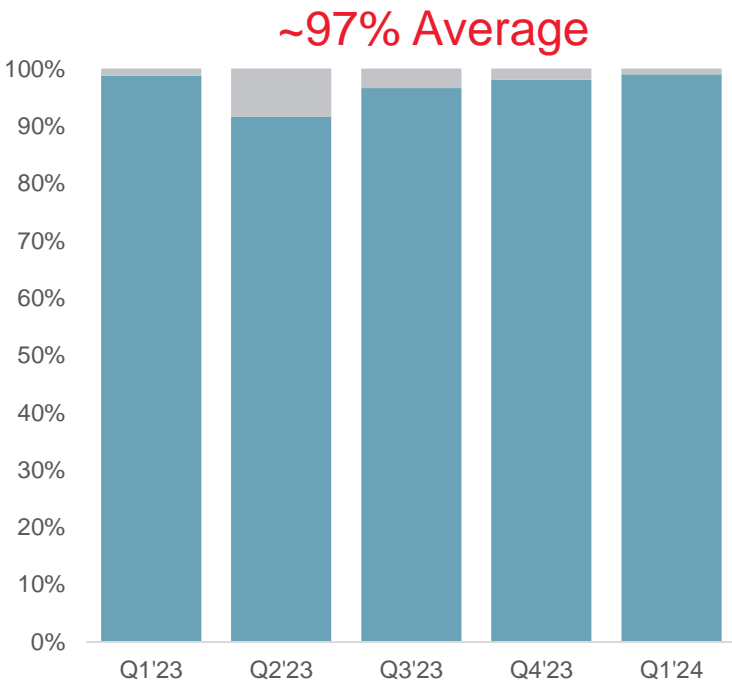
Gas Processing⁽¹⁾



Pipelines⁽²⁾



Fractionation⁽³⁾



Available
 Unavailable (planned and unplanned downtime)

Decarbonizing the Core Business⁽¹⁾

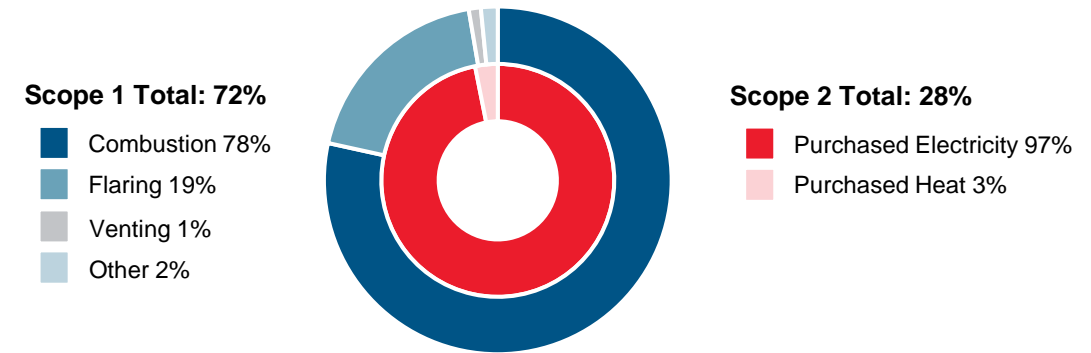
In 2023 We Achieved

- GHG emissions intensity **reduced by ~3%** from 2022 (~7% cumulative compared to 2019 baseline)
- Our first PPA, with the Garden Plains wind project, became operational **generating reductions of > 87,000 tonnes of CO₂e**

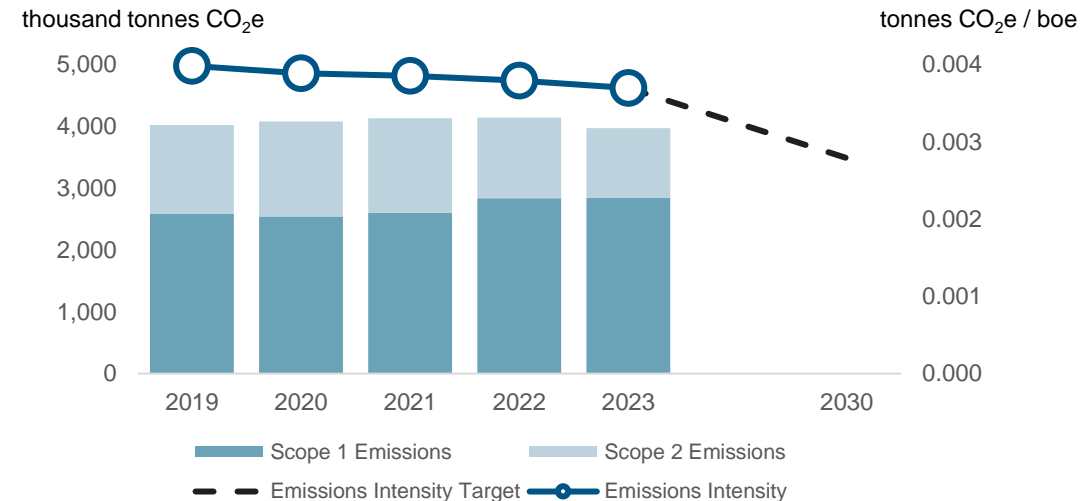
2024 Focus Areas

- Advance a set of optimized and sequenced emissions reduction projects, including operational improvements, within our assets
- Develop corporate-wide Marginal Abatement Cost Curve to guide investment priorities and operations improvements
- Reduce methane emissions
 - › Fugitive emissions surveys and leak repairs
 - › Compressor seal testing program
 - › Equipment replacements and retrofits to comply with new regulatory limit

2023 Scope 1 and 2 Emissions Composition



GHG Emissions Profile



On track to reduce GHG emissions intensity 30% by 2030

Industry Leading Project Execution

Major Projects Placed into Service since 2017

Completed On-Time?

Completed On-Budget?

Facilities

RFS III
 Canadian Diluent Hub
 Duvernay I
 Redwater Co-generation
 Duvernay II
 Duvernay III
 Prince Rupert Export Terminal
 Hythe Developments
 Empress Co-generation

Ahead of schedule ✓
 On time ✓
 Ahead of schedule ✓
 On time ✓
 On time ✓
 On time ✓
 On time ✓
 On time ✓
 On time ✓

Under budget ✓
 Under budget ✓
 Under budget ✓
 Under budget ✓
 Under budget ✓
 Under budget ✓
 Over budget
 On budget ✓
 On budget ✓

Pipelines

Phase III
 NEBC Expansion
 Phase IV & V
 Phase VI
 Phase VII
 Phase IX

On time ✓
 On time ✓
 On time ✓
 On time ✓
 Ahead of schedule ✓
 On time ✓

Under budget ✓
 On budget ✓
 Slightly over budget
 Over budget
 Under budget ✓
 Under budget ✓

Executing In-Flight Projects and Integration of Alliance / Aux Sable



Peace Phase VIII

- \$430 million
- On time, trending under budget
- Commissioning underway
- Enables segregated service for C2+ and C3+ while adding 235 mbpd of incremental capacity between Gordondale and La Glace and 65 mbpd between La Glace and Namao



NEBC MPS Expansion

- \$90 million
- On time, on budget
- ISD: Q4 2024
- Includes a new mid-point pump station, terminal upgrades, and additional storage, which will support 40 mbpd of incremental capacity on the NEBC Pipeline system



RFS IV

- \$460 million
- On time, on budget
- ISD: H1 2026
- Adds a 55 mbpd C3+ fractionator at the existing Redwater fractionation and storage complex, bringing total fractionation capacity to 256 mbpd



Wapiti Expansion

- \$140 million (net)
- Recently sanctioned
- ISD: H1 2026
- Increases the natural gas processing capacity at the Wapiti Plant by 115 mmcf/d (gross to PGI)



K3 Cogen

- \$70 million (net)
- Recently sanctioned
- ISD: H1 2026
- Adds a 28 MW cogeneration facility at the K3 Plant to fully supply power requirements, with excess power sold to the grid at market rates, while reducing GHG emissions

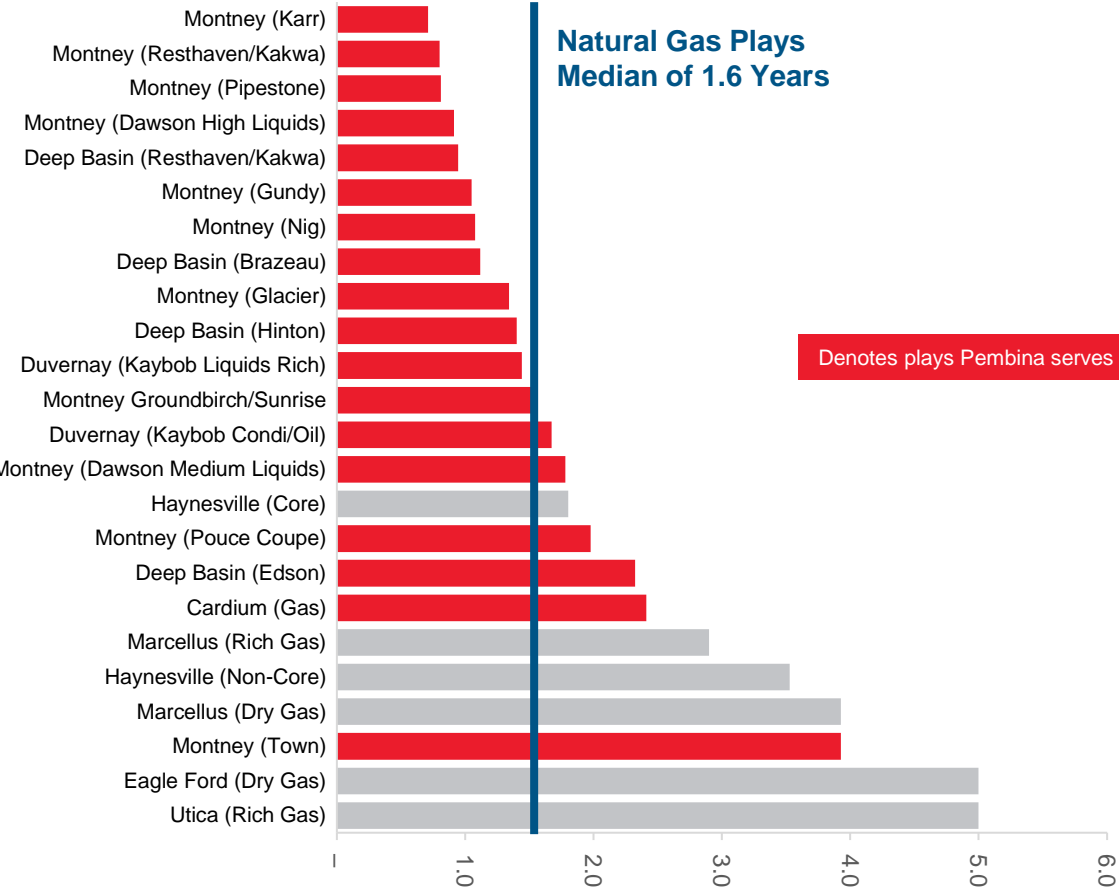


Alliance / Aux Sable Integration

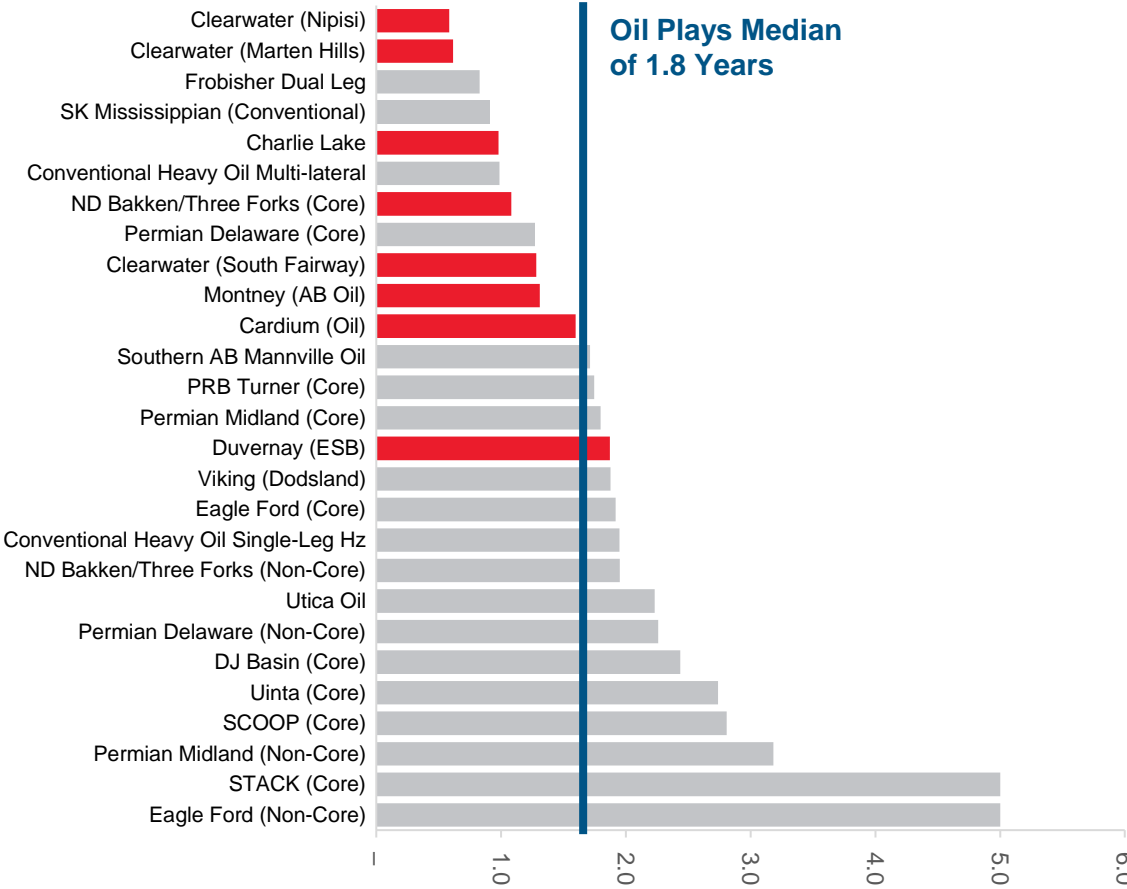
- Cost savings, commercial opportunities, and investment opportunities
- Focused on integration activities post-closing, including realizing near-term annual synergies of \$40 million - \$65 million

Servicing North America's Most Economic Plays

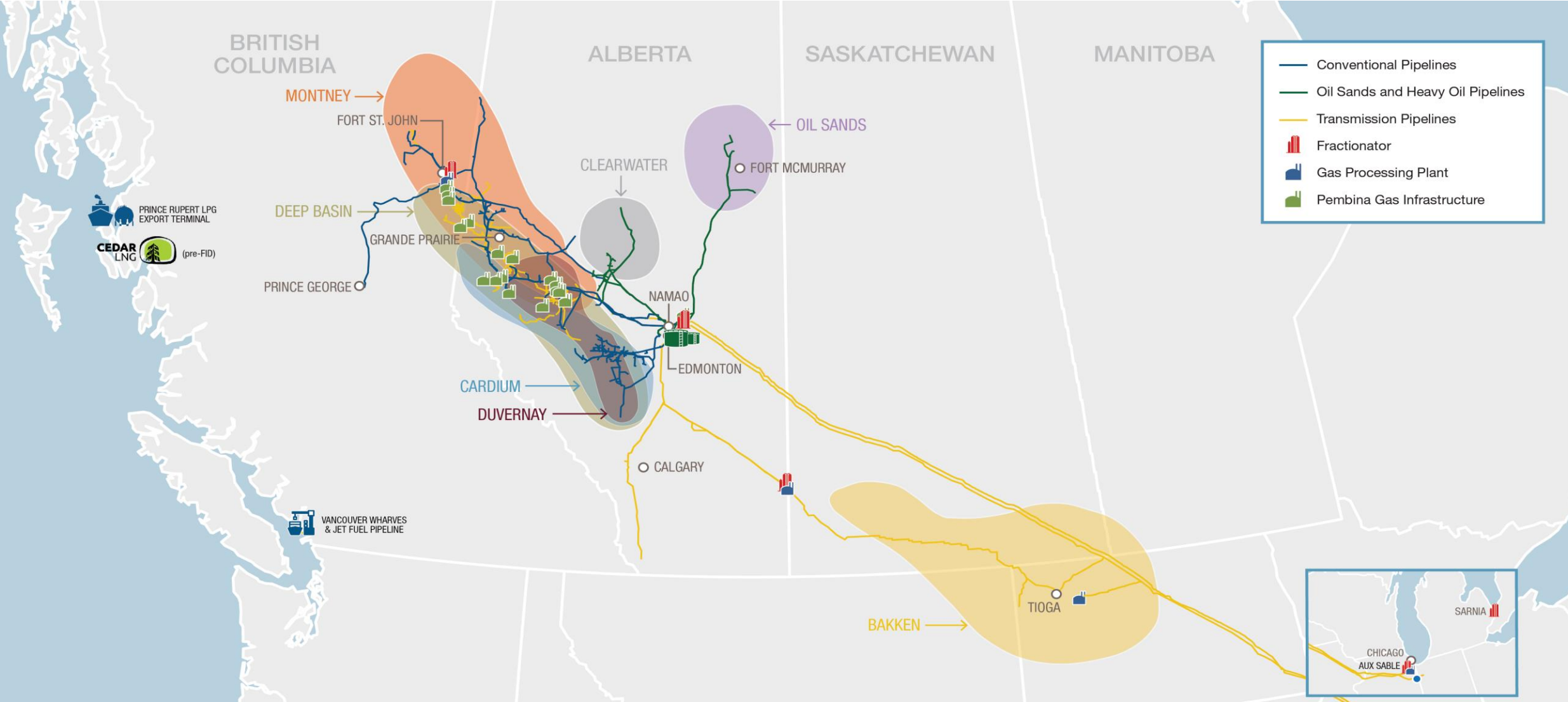
Gas Resources Play Payback Period⁽¹⁾



Oil Resources Play Payback Period⁽¹⁾

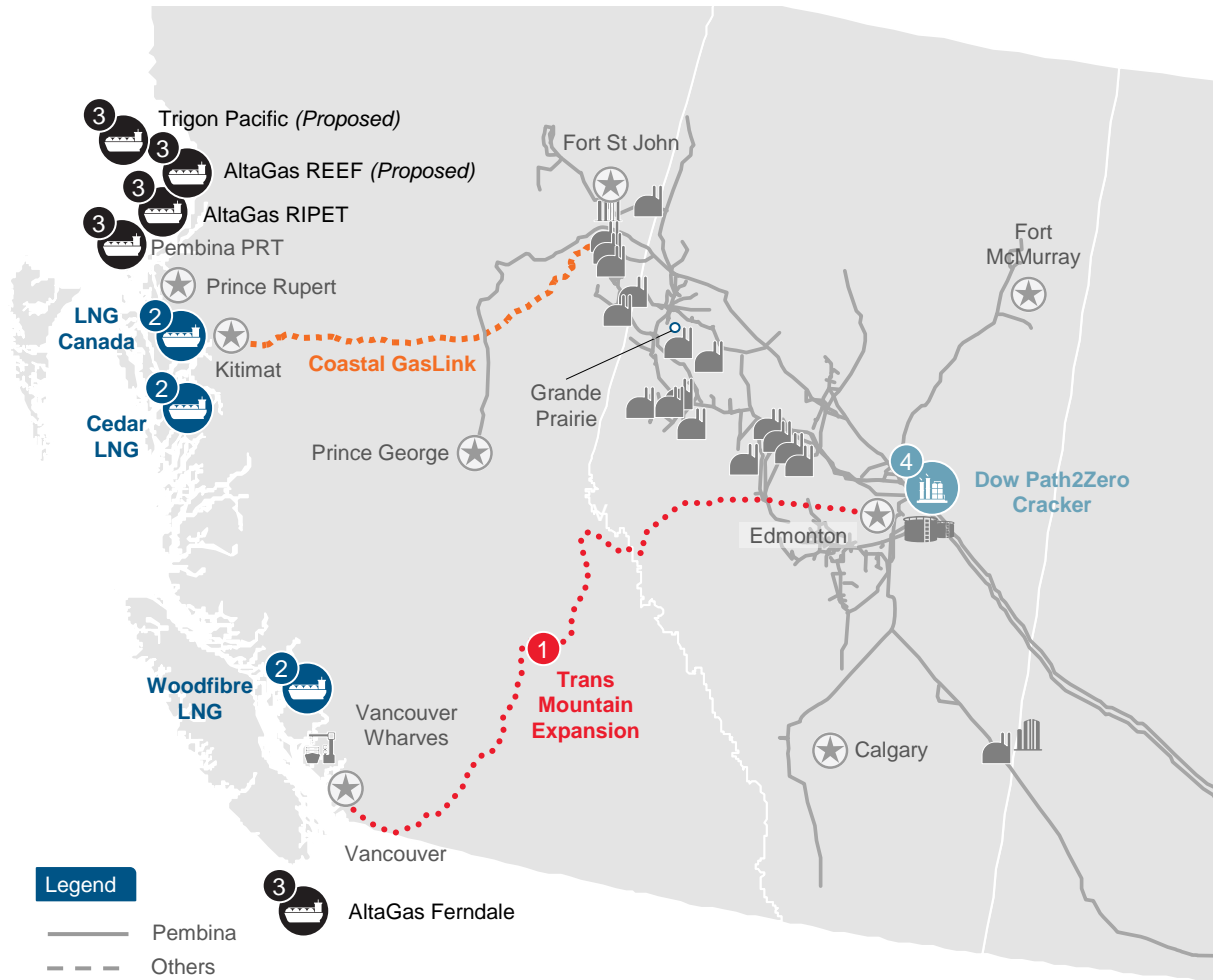


Largest WCSB Integrated Transportation and Midstream Platform



Uniquely positioned, irreplicable assets within integrated value chain poised to capture WCSB growth

Transformational Catalysts Driving Growth



Infrastructure Projects

Benefit to Pembina

1 Trans Mountain Expansion⁽¹⁾

2024
Capacity: 590 mbpd
Commodity: Light and Heavy Oil

Bitumen exports drive condensate demand met through growing domestic production and imports

2 West Coast LNG Exports⁽²⁾

2025 - 2028
Capacity: ~2.8 to 4.9 bcf/d
Feedstock: Natural Gas

LNG export drives natural gas production growth and associated NGL production

3 LPG Exports⁽³⁾

2026 +
Capacity: potentially 110 to 140 mbpd
Feedstock: Propane

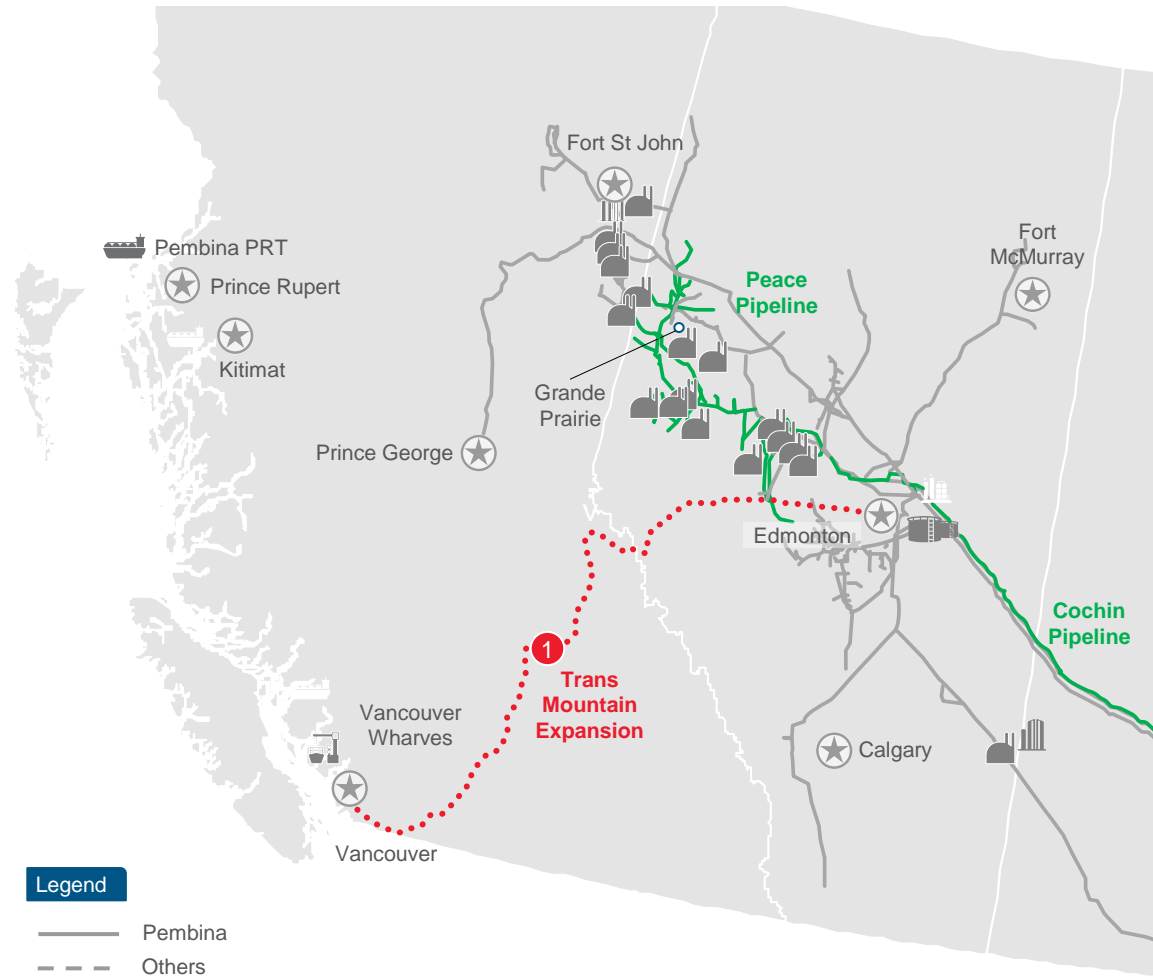
Incremental propane transportation and supportive of propane pricing dynamics

4 Dow Path2Zero Cracker⁽⁴⁾

2027 - 2029
Capacity: 3.2 mm MT polyethylene
Feedstock: Ethane

Incremental ethane transportation and supply with associated NGL production

Trans Mountain Expansion | 2024



Changing WCSB Market Dynamics

2023⁽¹⁾:

- ~4.1 mmbpd of WCSB crude oil production
- ~3.2 mmbpd or ~75% derived from oil sands
- ~460 mbpd of condensate produced in WCSB + ~ 290 mbpd of condensate imported from the U.S. through Cochin Pipeline and Southern Lights

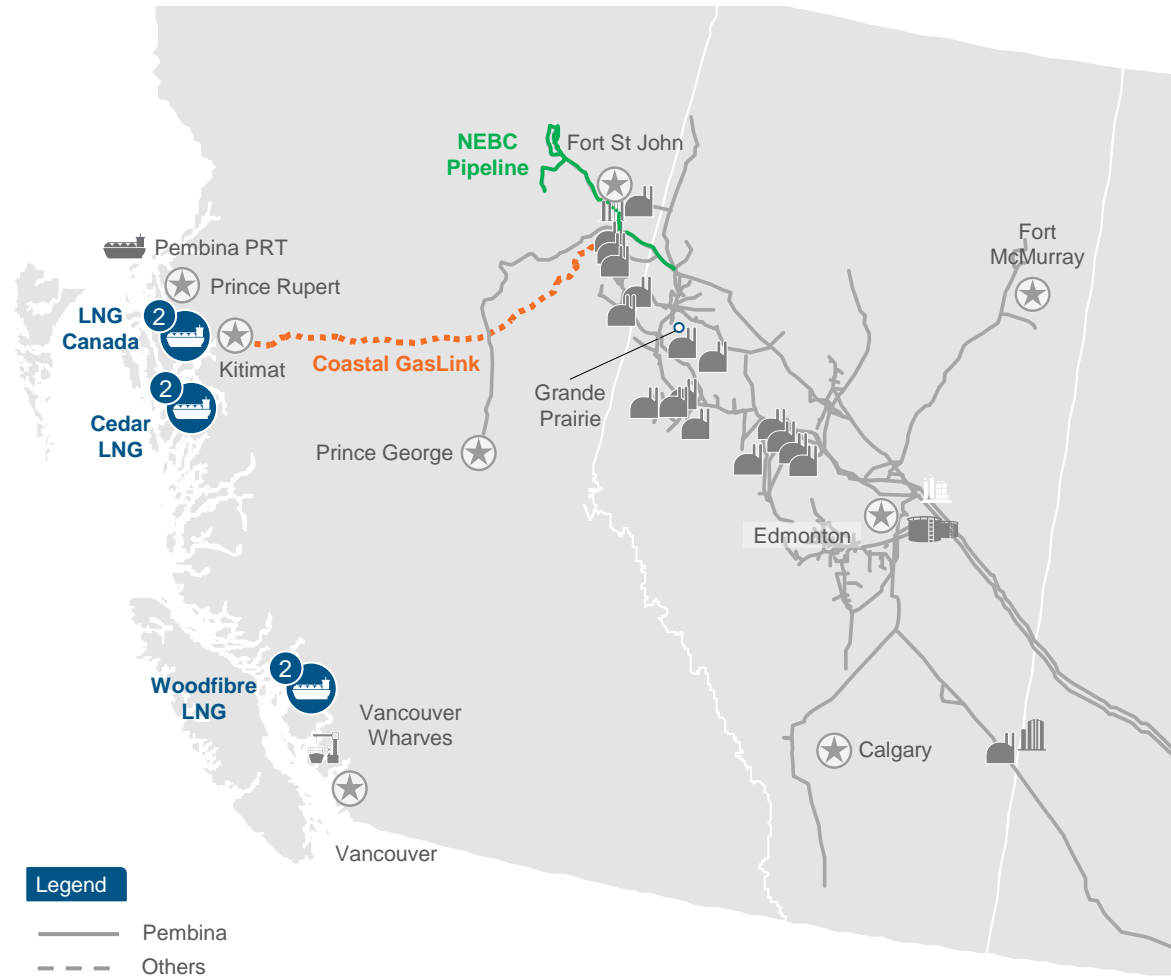
Impact of TMX⁽²⁾:

- ~590 mbpd of crude egress
- ~120 mbpd forecasted condensate production growth through 2028 in service of oil sands growth

Pembina Poised to Capture Growth

- Incremental condensate and associated NGL production growth
- Cochin Pipeline is one of two condensate import lines into Canada, supporting long-term demand
- Existing tanks in Edmonton, extensive service offering, relationships with customers, long-term agreements, and areas of dedication
- Associated NGL volumes and integrated benefits through transportation, fractionation, and marketing

West Coast LNG | 2025 - 2028



Changing WCSB Market Dynamics

2023⁽¹⁾:

- ~18 bcf/d of WCSB natural gas production
- ~1,000 mbpd of WCSB NGL production

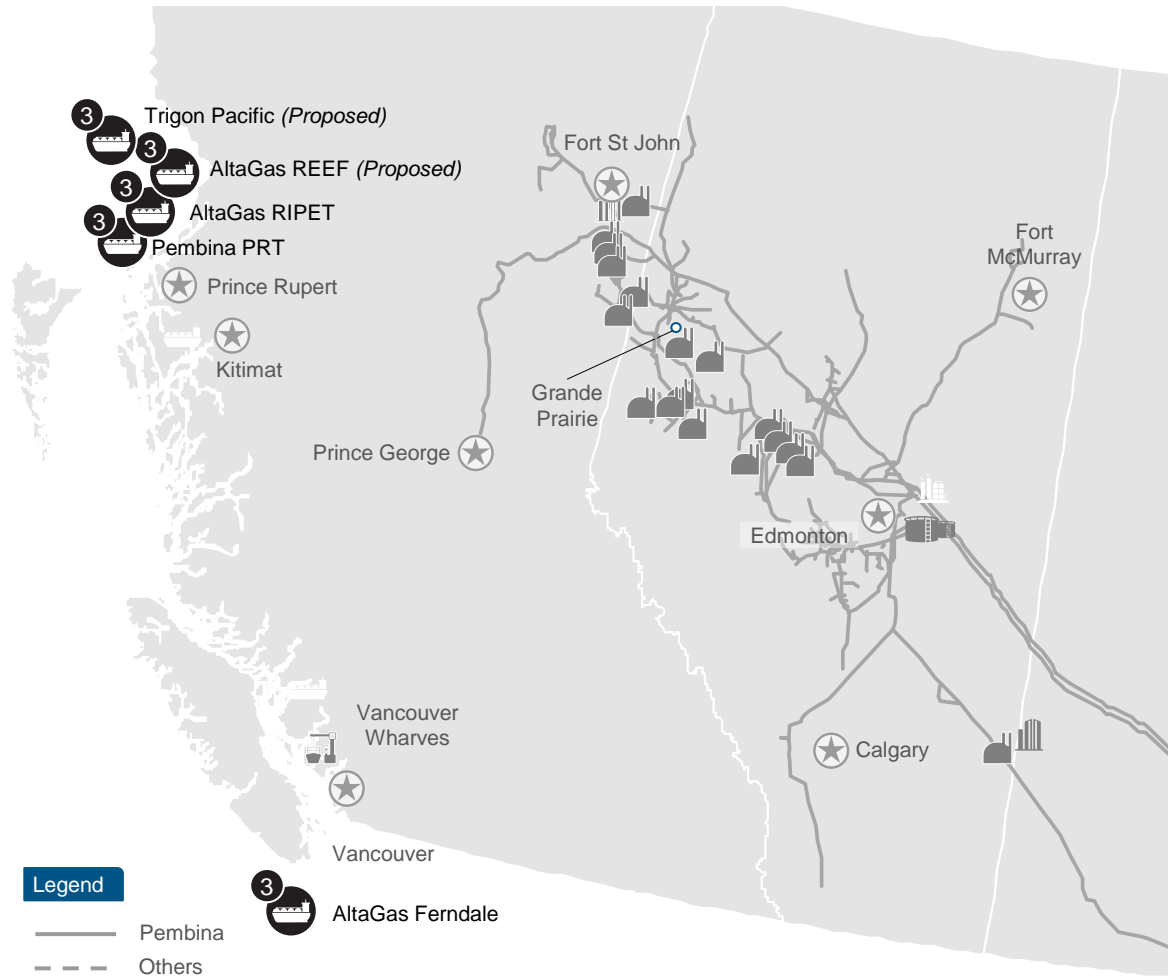
Impact of West Coast LNG Projects:

- ~2.8 to 4.9 bcf/d of natural gas demand spurring incremental production
- ~100 to 170 mbpd of incremental associated NGL volumes⁽²⁾

Pembina Poised to Capture Growth

- Majority of production growth expected to come from NEBC Montney, in which Pembina has significant assets and NEBC service agreements
- Higher demand on NEBC Pipeline / Peace Pipeline system, which Pembina has been expanding in anticipation of growth and has spare capacity
- Processing, transportation, fractionation, and marketing services for associated NGL volumes across system

LPG Exports | 2026+



Change to WCSB Market Dynamics

Pre 2017:

- None

2023:

- ~130 mbpd⁽¹⁾ of LPG export from Pembina's PRT and AltaGas' RIPET and Ferndale

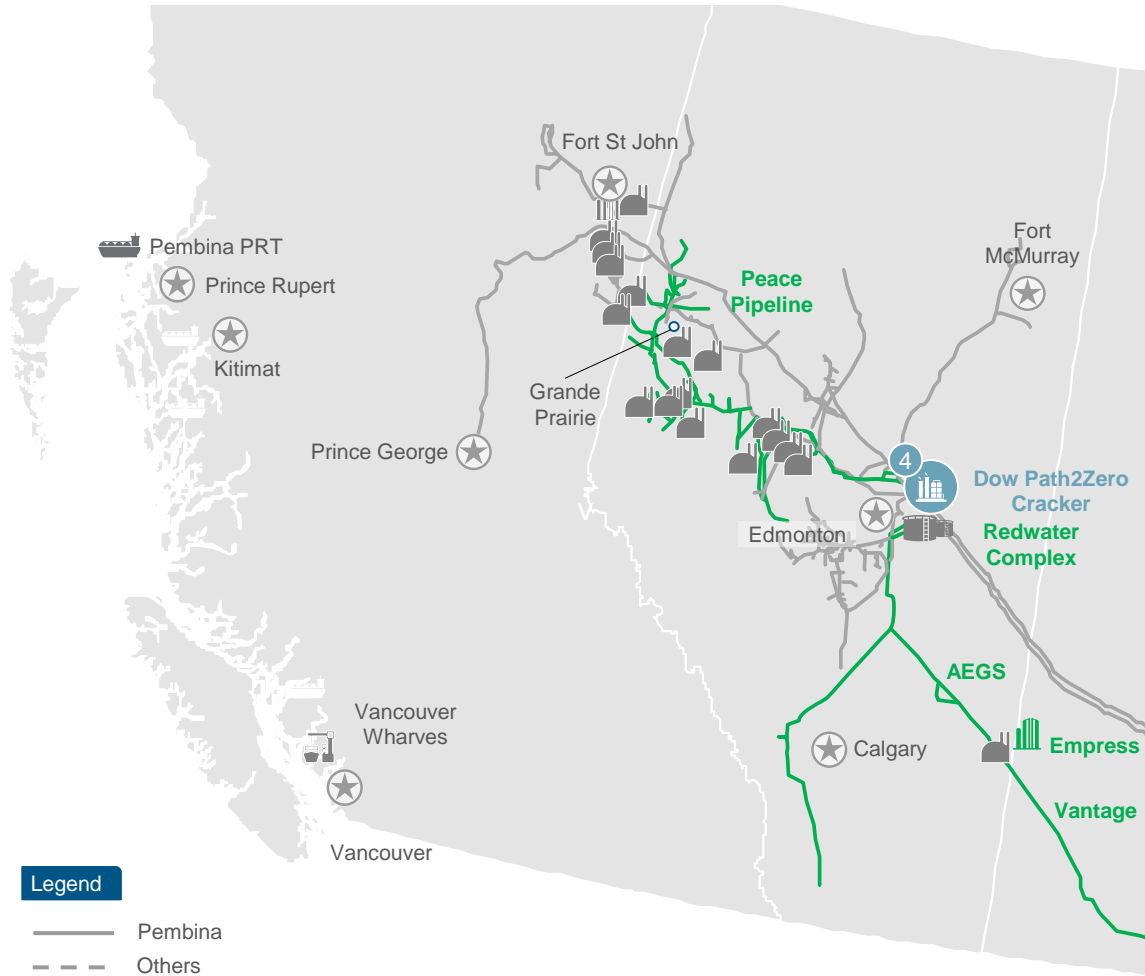
Impact of Potential New Developments:

- 110 – 140 mbpd⁽¹⁾ estimated potential growth from AltaGas proposed REEF Project and proposed Trigon Pacific LPG Project

New Egress Supports NGL Growth

- Feedstock transportation for third-party projects
- Pembina well positioned to capture NGL volumes and integrated benefits through transportation, fractionation, and marketing
- Fundamental support for propane pricing dynamics

Dow Path2Zero Ethylene Cracker | 2027 - 2029



Changing WCSB Market Dynamics

2023⁽¹⁾:

- ~250 mbpd of ethane demand from Dow and Nova

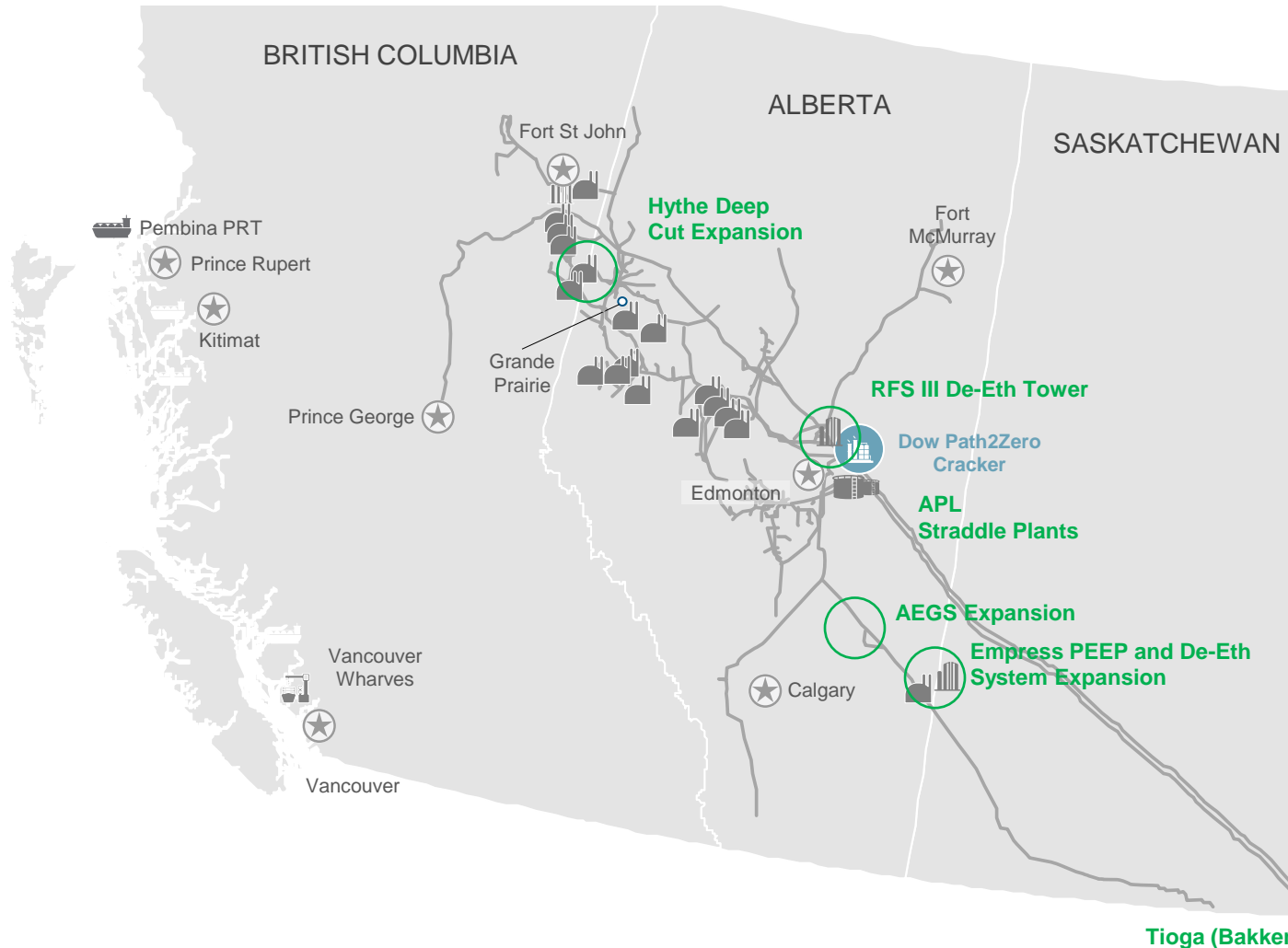
Impact of Dow Cracker⁽²⁾:

- >100 mbpd of incremental ethane demand
- Significant associated propane-plus production

Pembina Poised to Capture Growth

- Transport a significant amount of ethane molecules today (only C2+ pipeline / system)
- Supply and transportation agreement for 50 mbpd of ethane to support Path2Zero project and well positioned to transport remaining ethane required
- Spare transportation and fractionation capacity
- Increased demand on AEGS and Vantage systems
- Capital light expansion opportunities, transportation services, fractionation services, and marketing opportunities for associated NGL volumes

Potential Projects to Support Ethane Supply



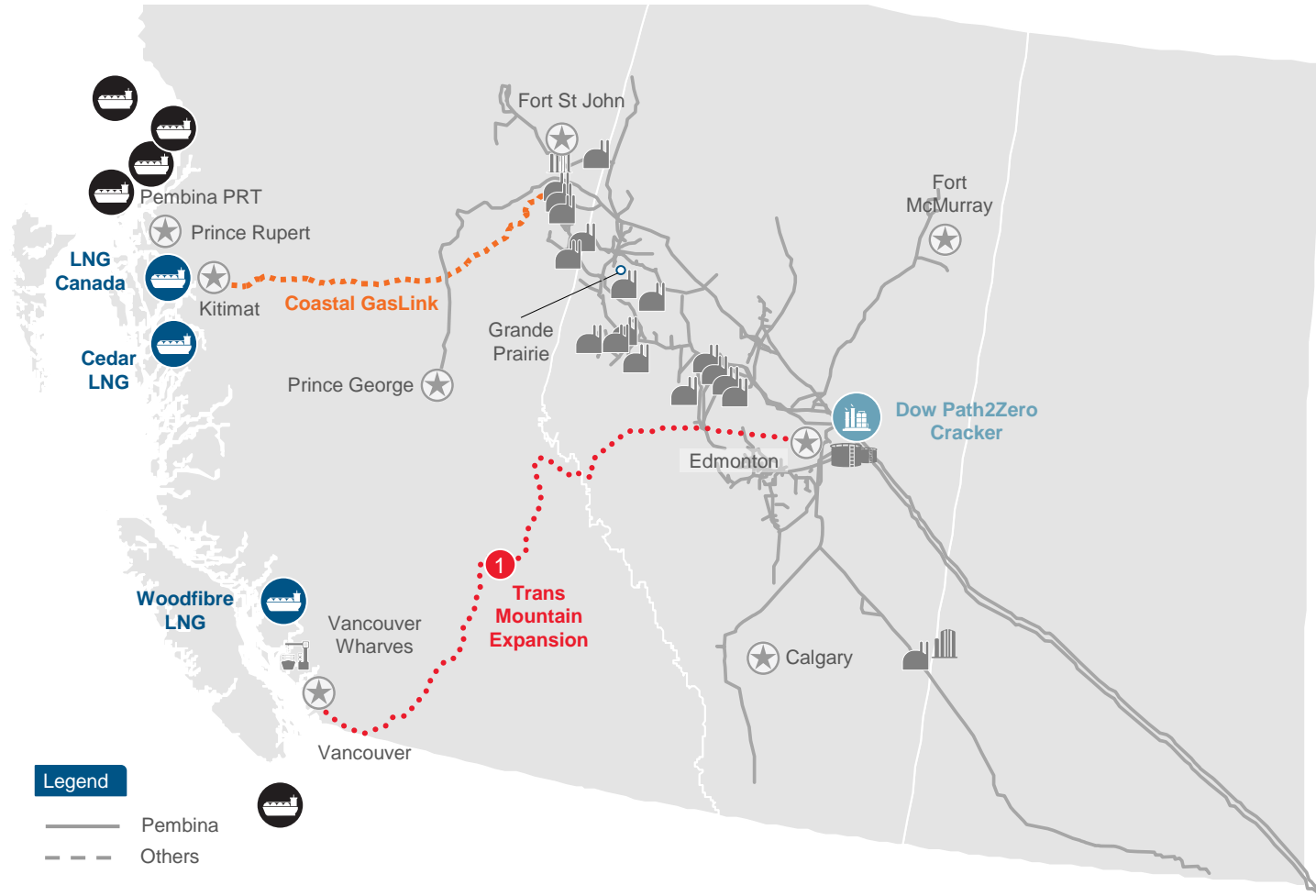
Exploring a Suite of Capital Opportunities

- Ability to extract 50 mbpd of ethane through a range of capital investment opportunities
 - › Various deep-cut expansions
 - › Incremental de-ethanization towers
 - › Existing system expansions / de-bottlenecks
- Total estimated net capital of \$300 million to \$500 million at attractive build multiples
- Various project sanctioning expected in 2024 - 2025

Significant Value Chain Benefits

- Incremental propane, butane, and condensate production leads to higher utilization across the Pembina franchise
 - › PGI Gas Processing Assets
 - › Peace Pipeline System
 - › Redwater Fractionation Complex

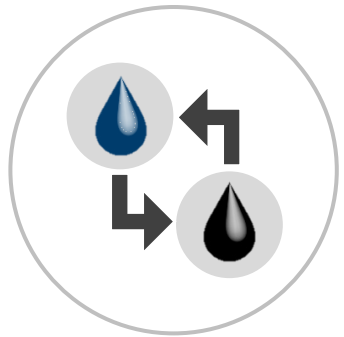
Advantaged Position to Benefit from Growth Catalysts



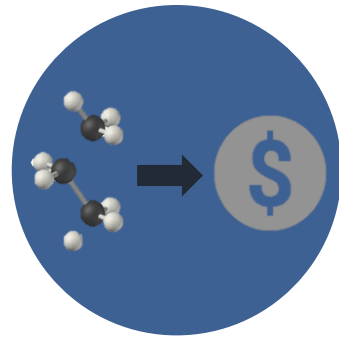
Pembina Advantage

- In aggregate, industry projects could add more than 1.5 mmboe/d of hydrocarbon production⁽¹⁾
- Significant long-term contracts and areas of dedication with key producers in primary growing basins
- Benefit from utilizing white space, brownfield and greenfield expansions
- Early mover advantage on NEBC and RFS IV to capture near and medium-term volumes

Marketing Business Unlocks the Intrinsic Value of our Assets



Buying and selling commodities to take advantage of price, location and time spreads



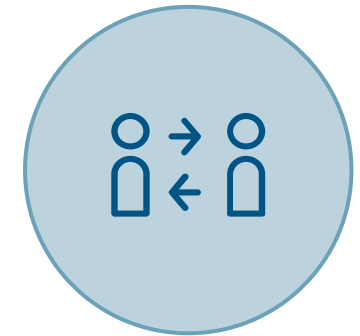
Marketing and distribution of NGL products (ethane, propane, butane and condensate)



Utilize storage to manage short and long-term differences between supply & demand and capture opportunities related to price volatility



Aux Sable's natural gas processing, NGL extraction & fractionation and sale of NGL products



Marketing on behalf of customers as an extension of integrated service offering

Marketing Supports Pembina's Strategic Priorities



Enhance value of Pembina's assets

Drive incremental returns from physical assets and commodity exposure through integrated commercial activities

Manage risk

Natural hedges through commodity exposure and financial instruments help Pembina prudently manage risk

Enable physical value chain buildout

Commercial support catalyzing infrastructure capital deployment

Create value through market assessment

Support broader Pembina business and investment decisions through fundamentals expertise

Expand Pembina's service offering

Leverage capabilities, scale, and assets to secure highest value for customers

Break



New Ventures

Global Access and the Future of Energy



Stuart Taylor

*Senior Vice President &
Corporate Development Officer*

Journey Beyond 2030

- To be resilient
- To thrive**
- To meet global demand
- To set ourselves apart

Carbon Capture, Utilization,
and Storage



Energy Transition
Fuels & Chemicals



Low Carbon Complex



Liquefied Natural Gas



Alberta Carbon Grid (ACG)

Pembina and TC Energy plan to jointly develop a proposed world-scale CO₂ transportation and sequestration system

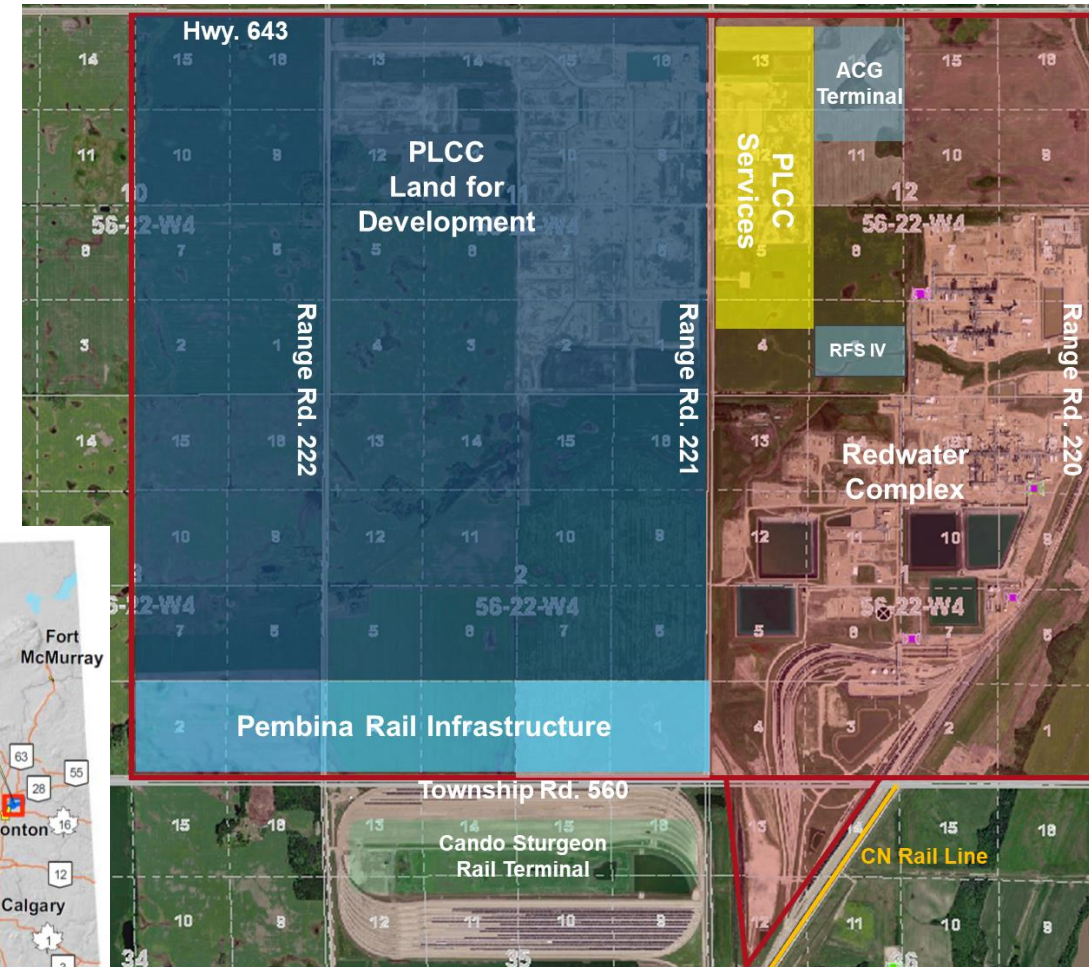
- Open-access system to serve Alberta's emerging Carbon Capture, Utilization and Storage industry
- Connecting multiple hubs to key sequestration locations
- The first hub is the Industrial Heartland project, with the potential of transporting and storing up to ten million tonnes of CO₂
- ACG has secured the rights to evaluate over 900,000 hectares of premier land north of Fort Saskatchewan, Alberta
- Completed the appraisal well drilling, logging, and testing in December 2023 with preliminary data consistent with storage capacity expectations
- In 2024, ACG will continue to progress commercial conversations, refine the project scope, and advance project engineering, including facility design and work on the pipeline routing



Pembina Low Carbon Complex (PLCC)

Proposed industrial complex for low-carbon energy infrastructure

- Focused on attracting and developing investment for:
 - 1) emerging energy transition technologies
 - 2) sustainable fuels
 - 3) chemicals, specifically low-carbon hydrogen and hydrogen carriers such as ammonia and methanol
- Pembina would lease land to third parties and provide infrastructure, logistics, and shared services to tenants
- Projects would gain access to land, clean power, natural gas and industrial gases, water, CCUS, and rail
- Tenants to capture CO₂ and direct emissions in support of the proposed Alberta Carbon Grid





Cedar LNG Overview

Project

- 3.3 mtpa floating LNG facility in Kitimat, British Columbia, within the traditional territory of the Haisla Nation

Ownership

- 50.1%  HAISLA NATION
- 49.9% 

Commercial

- Underpinned by 20-year take-or-pay tolling agreements



- ARC and Pembina have each contracted for 1.5 mtpa
- Pembina intends to assign its capacity to a third-party post-FID

Contractors

- Samsung Heavy Industries and Black & Veatch
- Lump-sum EPC contract for floating LNG unit

Cost Estimate

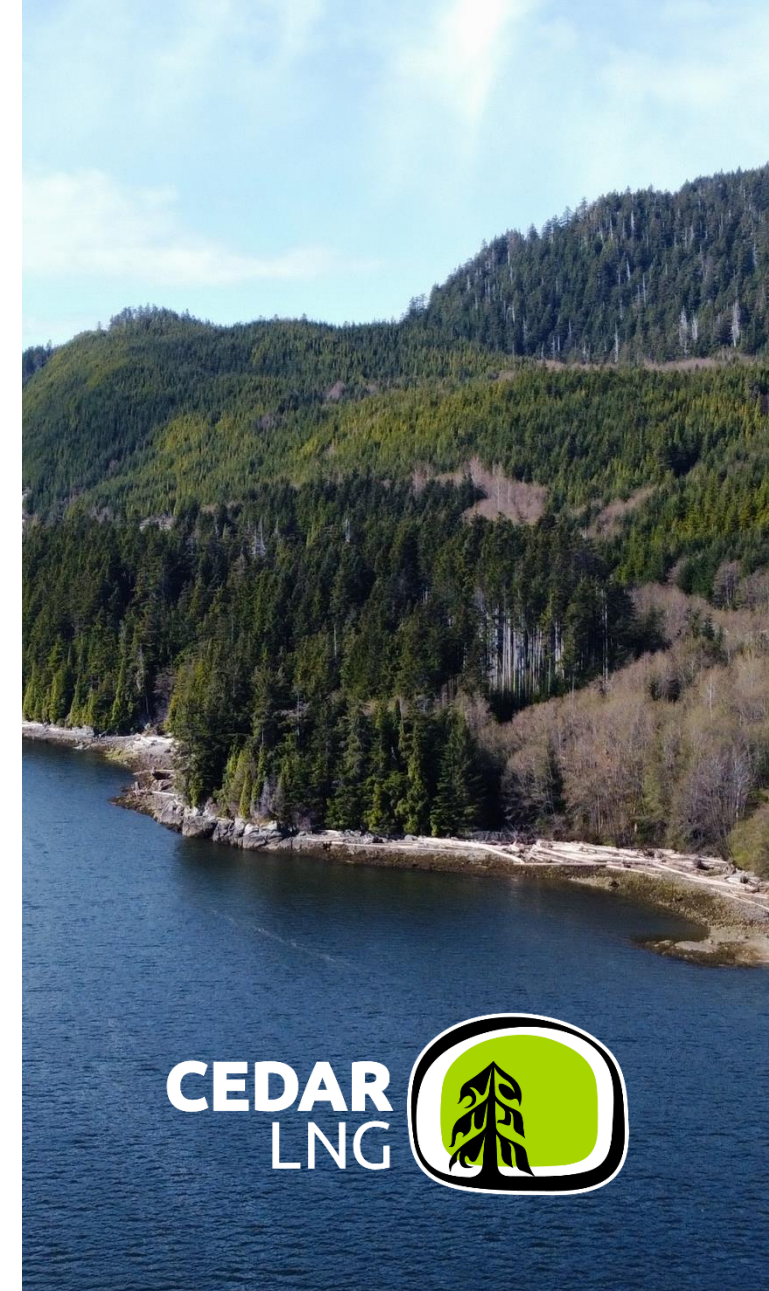
- US\$3.4 billion (US\$4.0 billion including IDC)

Environmental & Regulatory

- Powered by BC Hydro, expected to be one of the lowest emissions LNG facilities in the world
- Received all key regulatory approvals

Final Investment Decision

- Expected by June 2024



Cedar LNG is Squarely Aligned With All Four Strategic Priorities

To be resilient

Sustain, decarbonize, and enhance our businesses

- Increases exposure to growing markets in Asia
- Increases exposure to lighter hydrocarbons
- Incremental natural gas production drives incremental NGLs and therefore demand for gas processing, transportation, fractionation and marketing

To thrive

Invest in the energy transition to improve the basins in which we operate

- Displaces coal use in Asia with lower-emissions LNG
- Advantageous location and shorter shipping route = lower emissions
- Project powered by BC Hydro, reducing emissions

To meet global demand

Transform and export our products

- Cost competitive natural gas to meet global demand
- Transforms WCSB natural gas into higher-margin product

To set ourselves apart

Create a differentiated experience for our Stakeholders

- Positions Pembina as partner of choice for Indigenous-led infrastructure development
- Creates sustainable long-term benefits for Indigenous Peoples and communities
- Environmental leadership is at the heart of the project

Haisla Nation

Band of Government of the Haisla People

- Comprised of 2,000+ members
- Occupying its territory in Northwestern British Columbia for more than 9,000 years

Cedar LNG Aligns with Haisla Nation Values

- Environmental responsibility by minimizing impacts on land, air and water
- Long-term, sustainable prosperity for all Haisla members
- Direct ownership and participation in a major industrial development in Haisla Nation territory

Cedar LNG is Economic Reconciliation in Action

Ownership

- The largest Indigenous owned infrastructure project in Canada with decision making entitlements

Employment

- Up to 500 jobs during four-year construction period
- Up to 100 stable, family supporting jobs will be available during operations

Procurement

- Significant Indigenous and local business opportunities

Skills Training

- Partner with local education and training facilities and maintain a skilled workforce to support LNG industry

Economic Activity

- Generate positive economic growth through Kitimat-Stikine region and the province

**Cedar LNG
Marine Terminal**

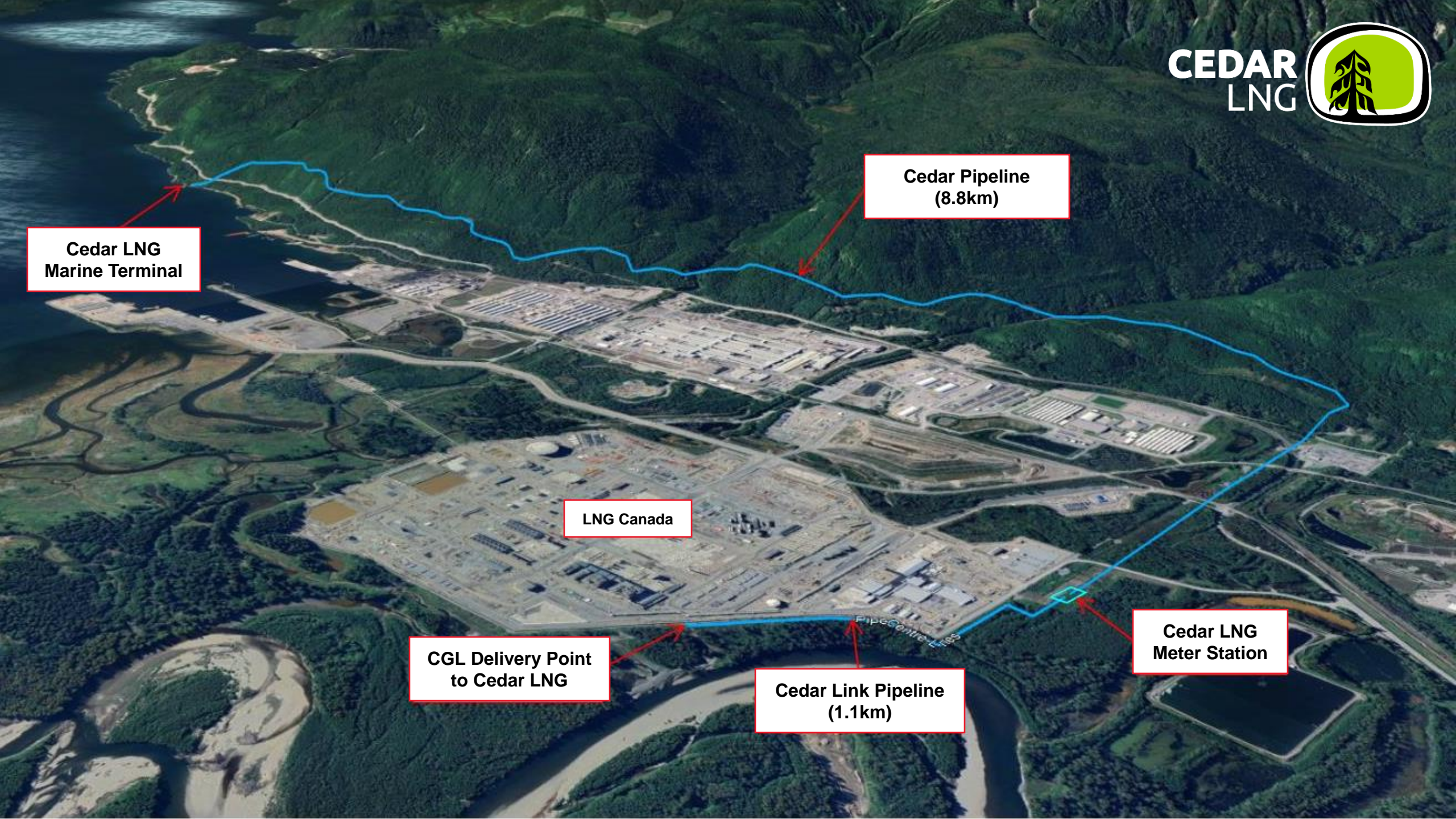
**Cedar Pipeline
(8.8km)**

LNG Canada

**CGL Delivery Point
to Cedar LNG**

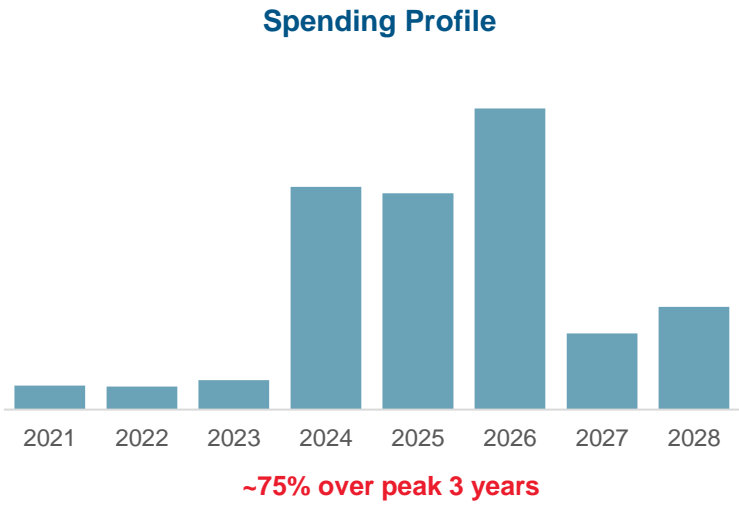
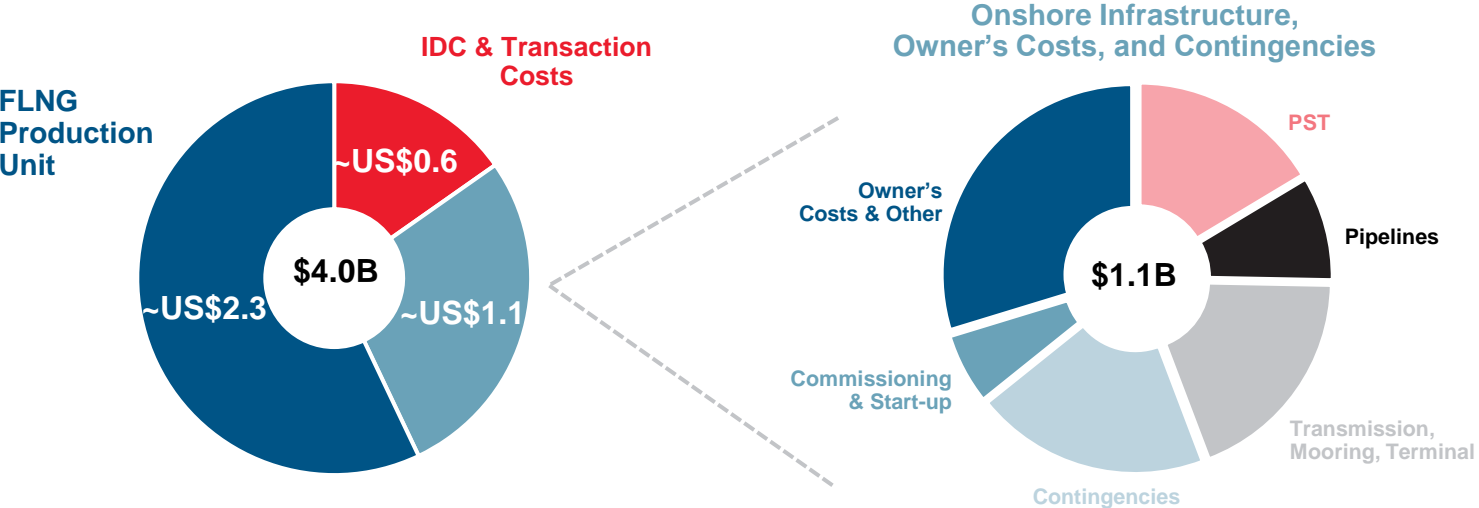
**Cedar Link Pipeline
(1.1km)**

**Cedar LNG
Meter Station**



Cedar LNG Economics

US\$4.0 Billion Gross Capital Cost



Attractive Returns



Financing

- ~60% project-level debt
- Construction facility that converts to amortizing term loan

- ~20% equity contribution
- Pursuing alternatives through both First Nation lending and traditional lending

- ~20% equity contribution
- Funded through cash flow

Prudent Approach to Mitigate Cost Risk

~70% Under Lump-Sum and Date-Certain Contract

- EPC contract for Floating LNG (“FLNG”) unit guarantees cost, performance and schedule
- Manufacturing in controlled conditions of a shipyard with local labour, lowering execution risk
- Performance guarantees for LNG production rate and offloading rate
- World-class contractors, Samsung Heavy Industries (“SHI”) and Black & Veatch (“B&V”)



SHI has delivered 3 of the 5 currently operational FLNG facilities worldwide

- Responsible for new-build hull, construction and integration of the hull and topside



B&V has developed more than 30 operating LNG production facilities globally and has become a top choice EPC contractor for new build LNG facilities

- Responsible for the design, engineering, and procurement of the topsides



Onshore Infrastructure

- Construction scopes executed by an experienced Cedar LNG team and specialized contractors
- Supported by Pembina’s demonstrated execution management systems and specialized engineering contractors
- Individual onshore construction scopes resemble standard Pembina development projects in terms of size and complexity
- Onshore scopes have been designed with conservative timing and to minimize activities during winter construction seasons
- Cedar LNG team includes members who successfully executed 2 FLNG facilities currently in operation or starting-up

Cedar LNG's Global Advantage

- ✓ **Indigenous Led**
- ✓ **Advantaged Shipping Route to Asia**
- ✓ **Powered by Renewable Energy / Low Emissions**
- ✓ **Floating Facility Minimizes Environmental Impact**
- ✓ **Abundant Supply of Natural Gas via Scarce Pipeline Capacity**
- ✓ **Competitive Economics and Cost Protection**
- ✓ **Leverages Existing Infrastructure**



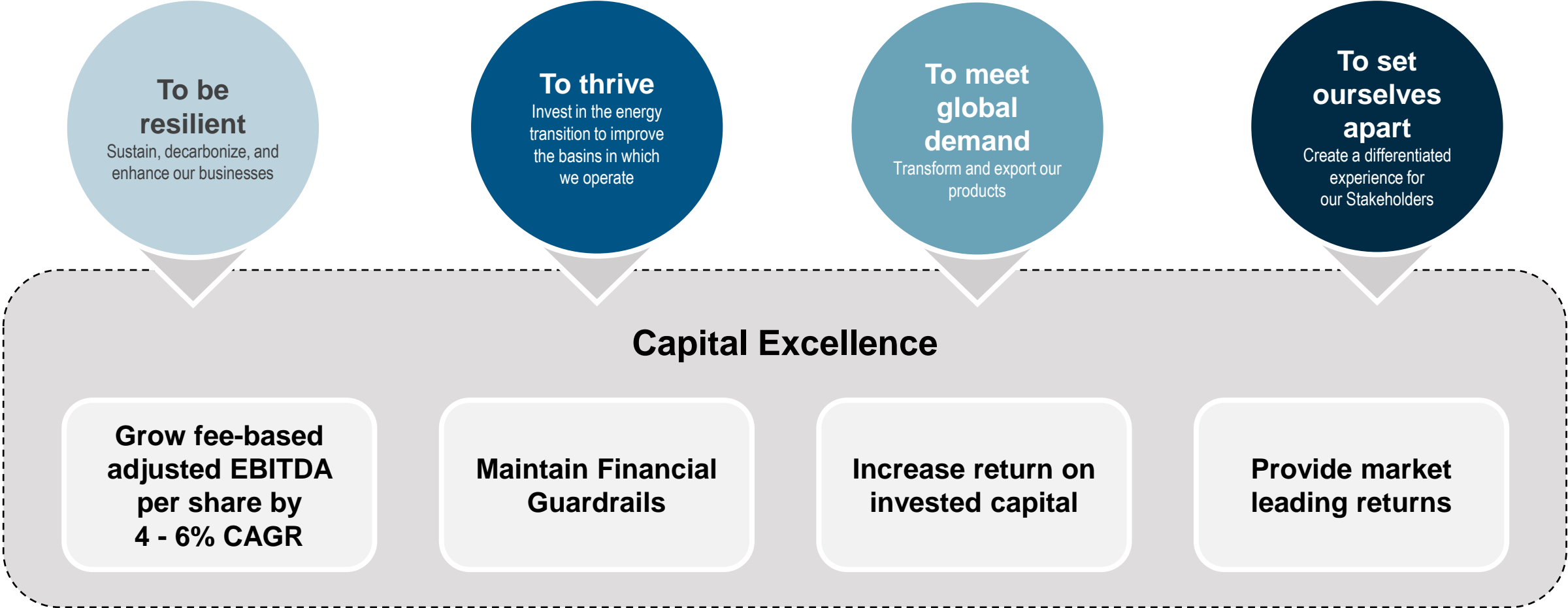
Financial Outlook

Means to Execute



Cameron Goldade
*Senior Vice President &
Chief Financial Officer*

Strategy Execution Through Capital Excellence



Capital Allocation Principles

- 1 Maintain balance sheet strength**
 - *Proven track record*
 - *Priority to maintain strong BBB rating*
 - *Creates competitive advantage*
- 2 Maintain dividend**
 - *Core to investment proposition*
 - *Sustainable, reliable, and growing*
 - *Supported entirely by fee-based business*
- 3 Accretive growth capital**
 - *Enhances Pembina's capabilities*
 - *Crystalize embedded option value*
 - *Extend and enhance our franchise*
- 4 Discretionary cash flow:**
Debt reduction, opportunistic share repurchases, or incremental dividends
 - *Based on relative risk-adjusted returns of alternatives*
 - *Consider internal and external drivers*

Project Portfolio Responding to Basin Growth and the Energy Transition

>\$1.2 Billion of Projects Currently Underway

- Phase VIII Peace Pipeline Expansion
- Redwater Complex Expansion (RFS IV)
- K3 Cogeneration
- Wapiti Expansion
- NEBC MPS Expansion
- Karr Lateral and other projects to support ongoing system upgrades facilitating producer capture and improved market access

>\$4 Billion of Projects Under Development

Greenfield

- Cedar LNG
- Alberta Carbon Grid
- Ethane supply solutions for growing petrochemical industry

Brownfield

- Additional NEBC system expansions
- Prince Rupert LPG Export Terminal optimization
- Pipeline laterals, debottlenecks, and connections
- Cogeneration
- Hythe gas storage
- Ethane supply solutions for growing petrochemical industry

Early-Stage Projects Under Evaluation

- Pembina Low Carbon Complex (ammonia, hydrogen, chemicals, utilities)
- Alliance Pipeline – liquids extraction

2024 Outlook⁽¹⁾

2024 Guidance

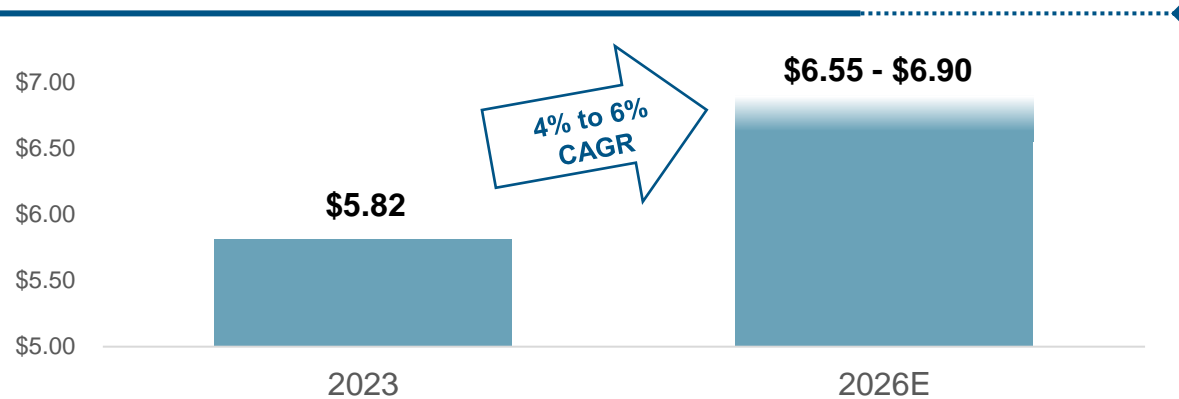
- Adjusted EBITDA of \$4.05 to \$4.30 billion
- Primary drivers compared to 2023 Adjusted EBITDA:
 - › Increased ownership of Alliance and Aux Sable
 - › Higher volumes on conventional pipelines
 - › No impact of Northern Pipeline outage and wildfire which occurred in H1'23
 - › Full year contribution from Nipisi Pipeline
 - › Lower contribution from Cochin Pipeline
 - › Lower contribution from marketing business (excluding incremental Aux Sable ownership)
 - › Lower realized gains on commodity-related derivatives
- Current income tax expense anticipated to be \$300 million to \$350 million

Q2'24 through Q4'24 Sensitivities

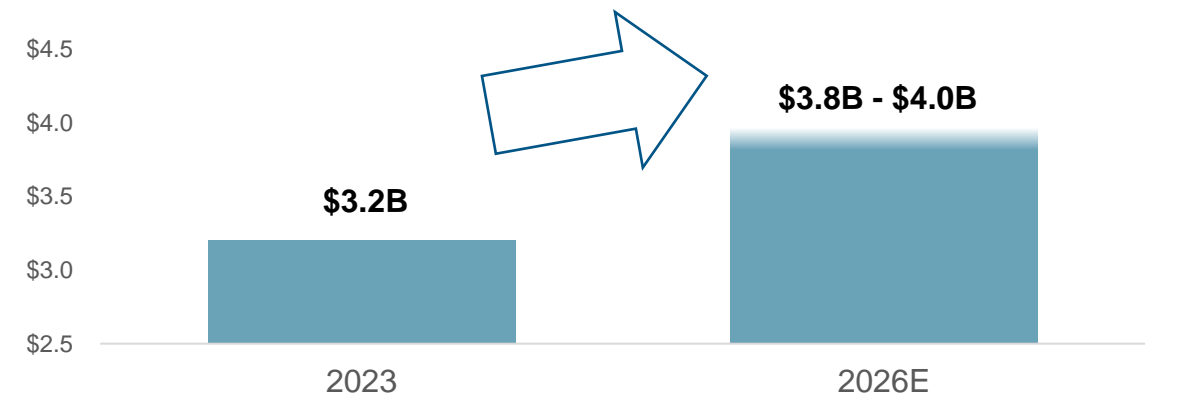
| Key Variable | Assumption | Sensitivity | Impact on adjusted EBITDA (\$ millions) |
|---------------------------------------|------------|-------------|---|
| AECO / Station 2 Natural Gas (CAD/GJ) | \$1.73 | +/- \$0.50 | +/- 14 |
| Chicago Natural Gas (USD/mmbtu) | \$2.13 | +/- \$0.50 | +/- 18 |
| Mont Belvieu Propane (USD/usg) | \$0.78 | +/- \$0.10 | +/- 35 |
| Foreign Exchange Rate (USD/CAD) | \$1.37 | +/- \$0.05 | +/- 39 |
| Pembina Share Price (CAD/share) | | +/- \$1.00 | +/- 4 |

Three Year Outlook⁽¹⁾

2023 to 2026 Fee-Based Adjusted EBITDA per share



2023 to 2026 Fee-Based Adjusted EBITDA



Tailwinds

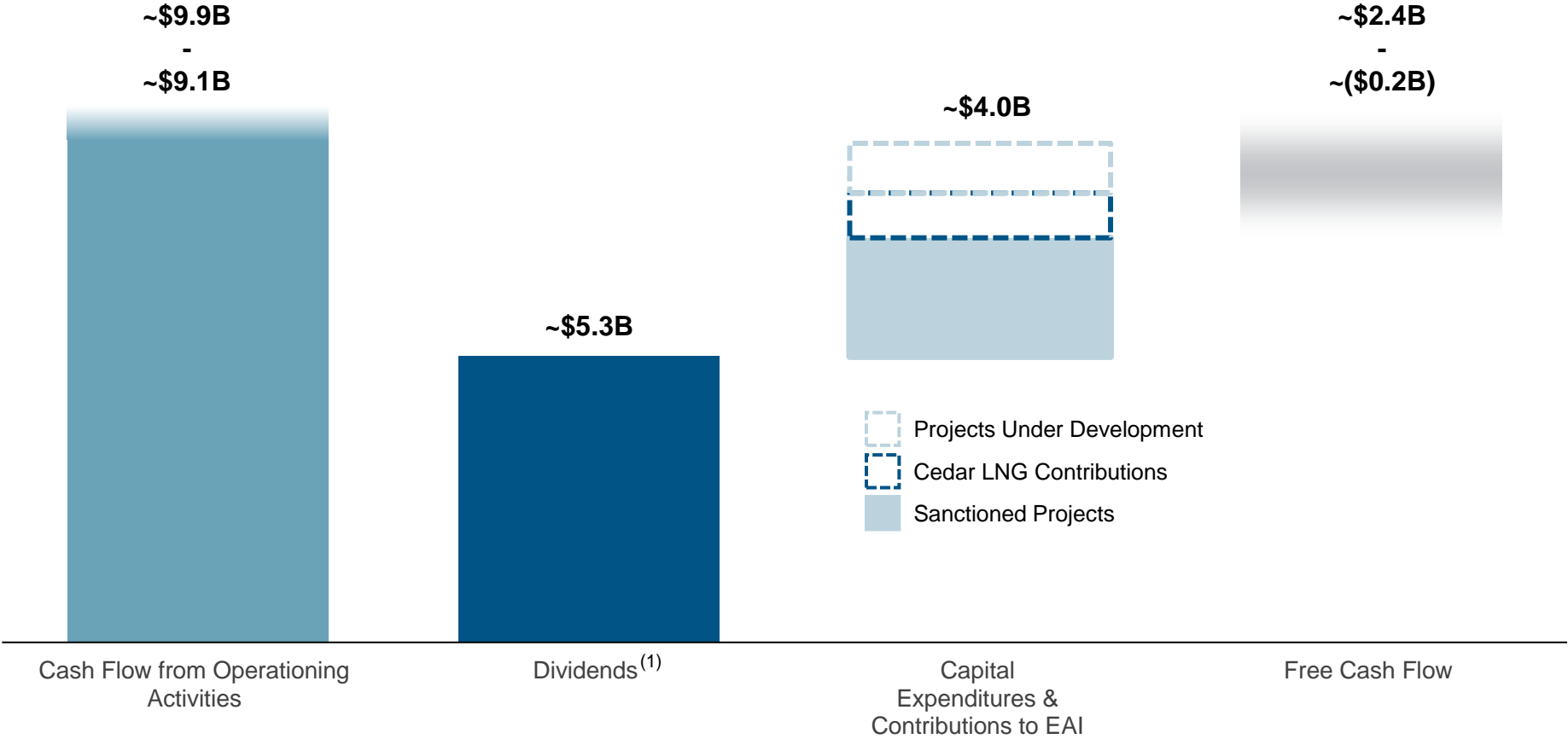
- Growing volumes and utilization across asset base, namely Conventional Pipelines and Gas Services
- New assets entering service
- Synergies and integration of Alliance Pipeline
- Margin enhancement focus across the company

Headwinds

- Cochin renewal in mid-2024

Internally funded 4 - 6% CAGR on fee-based adjusted EBITDA per share through 2026

Three Year Funding Outlook: 2024 to 2026

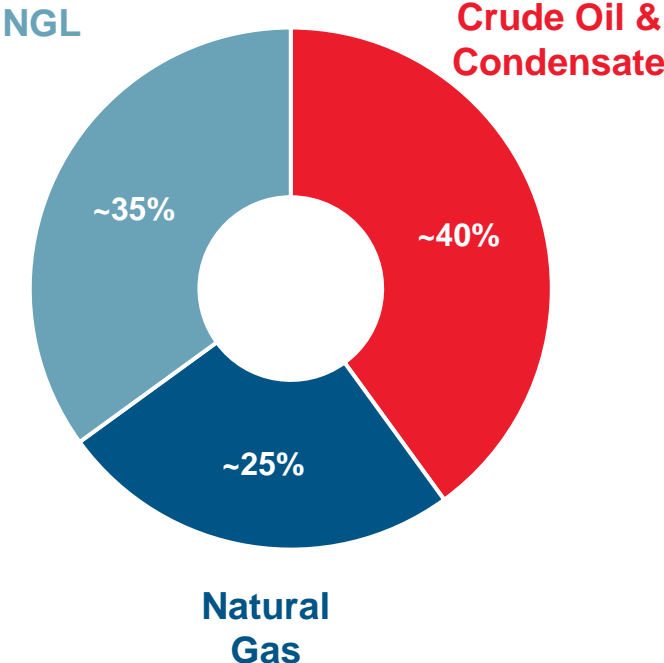


Financial Guardrails

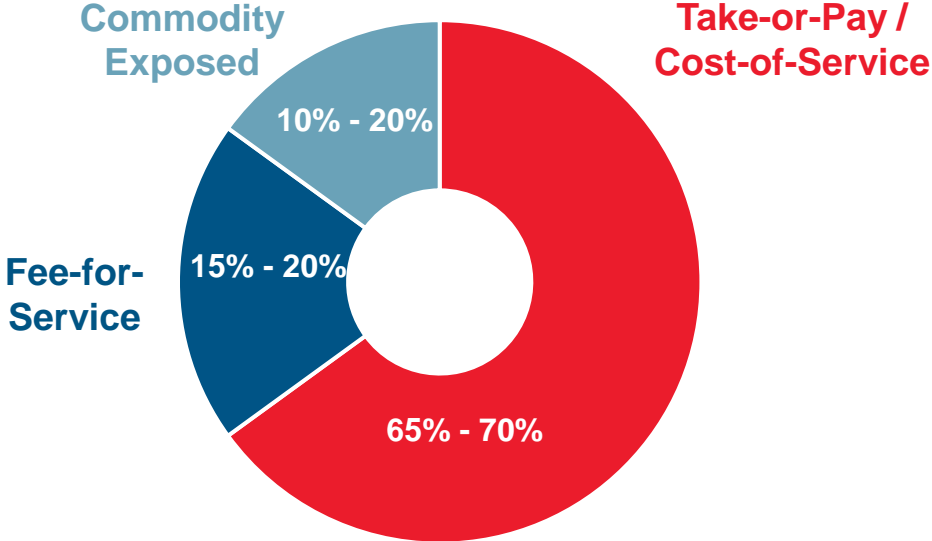
| | | <u>2018 to 2023 Range</u> | <u>2024F</u> |
|---|--|---|--|
| 1 | Maintain target of 80% fee-based contribution to adjusted EBITDA ⁽¹⁾⁽²⁾ | ~82% to ~95% | ~85% - 90% |
| 2 | Target <100% payout of fee-based distributable cash flow (<i>Standard Payout Ratio</i>) ⁽²⁾ | ~69% to ~78% (~52%) to (~61%) | 70-75% (55-60%) |
| 3 | Target 75% credit exposure from investment grade and secured counterparties ⁽³⁾ | ~74% to ~82% | 80-85% |
| 4 | Maintain strong BBB credit rating ⁽⁴⁾ | ~17% to ~24% Rating Agency FFO-to- Debt ⁽²⁾ | 21-24% Rating Agency FFO-to-Debt ⁽²⁾ |

Diversified and Highly Contracted Business with ~70% Take-or-Pay

Commodity

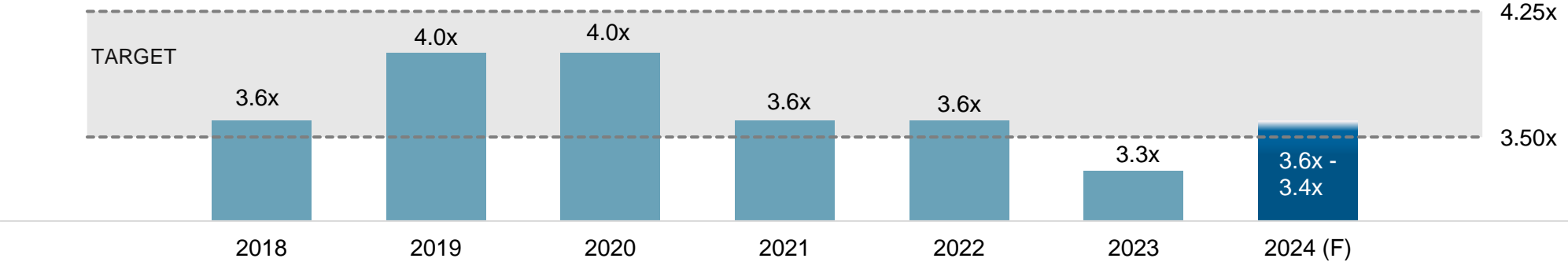


Type

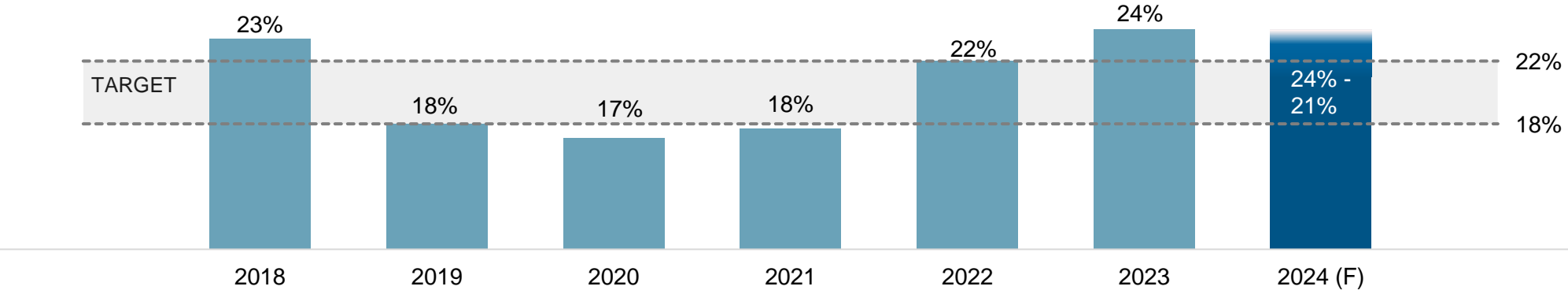


Committed to a Strong BBB Credit Rating

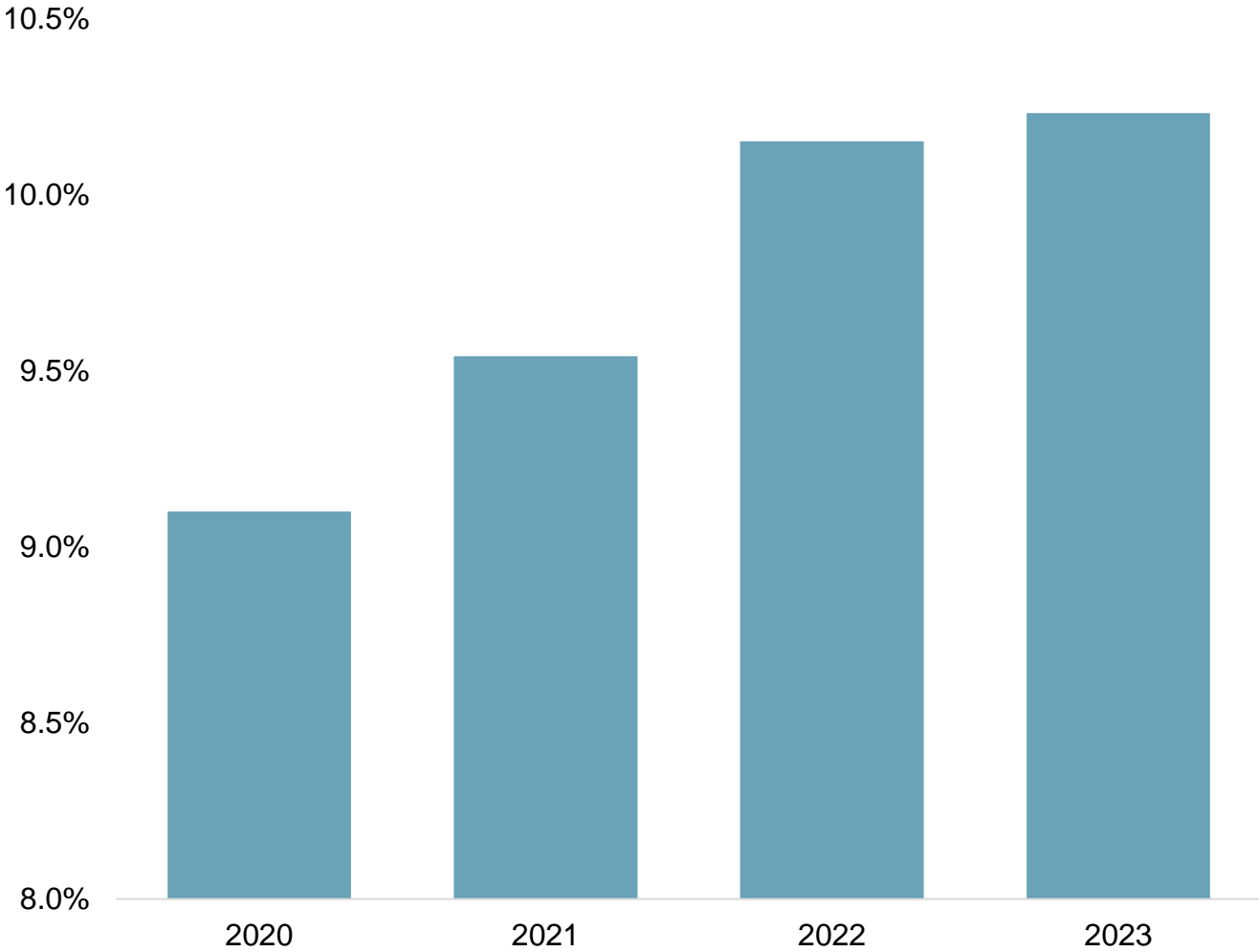
Proportionately Consolidated Debt-to-Adjusted EBITDA⁽¹⁾



Rating Agency FFO-to-Debt⁽¹⁾



Increasing Return on Invested Capital (ROIC)⁽¹⁾



ROIC Drivers

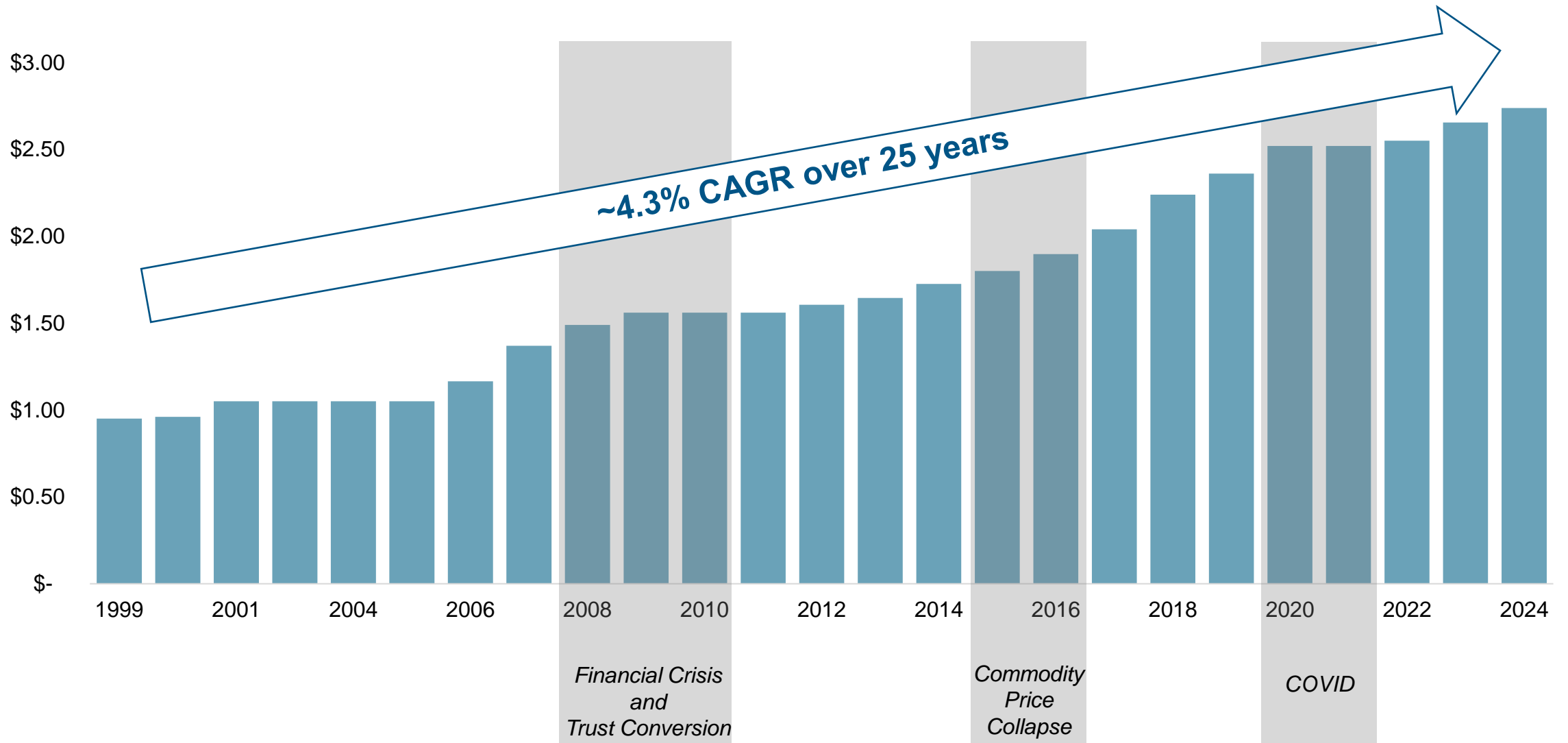
- Asset integration
- Operational excellence
- Margin enhancement
- Acquisition synergies
- Brownfield investment
- Marketing

Market Leading Total Shareholder Returns⁽¹⁾



A decade of industry leading total shareholder returns

Dividend Track Record



Consistent dividend increases through trust conversion, commodity cycles, and macro volatility



Core Energy Infrastructure Holding in Any Portfolio

Full Value Chain Across All Commodities

Integrated commercial framework – wellhead to market

Visible Growth

4% to 6% fee-based adjusted EBITDA per share growth

Financial Discipline

Strict adherence to financial guardrails

Predictable Cash Flow

~80% - 90% fee-based, including ~65% - 70% take-or-pay or cost-of-service

Exemplary Project Execution

>\$6 billion delivered on time and on budget since 2017

Positioned for the Future

Strategy for long-term hydrocarbon demand and energy transition

Q&A



Endnotes

Slide 7: Since 2019 Investor Day...Pembina has Executed on all Fronts

- (1) Ascribed value of PGI transaction totaled \$11.0 billion, excluding the value of assets under construction.

Slide 8: Since 2019 Investor Day...Pembina has Expanded its Footprint

- (1) 2018 gas processing capacity adjusted to remove the disposed Empress E1/E6 capacity and current excludes SEEP.
- (2) Excludes RFS IV, which is currently under construction.

Slide 9: Since 2019 Investor Day...Pembina has Delivered for Investors

- (1) Source: Bloomberg. Based on 1-day VWAP from January 1, 2019 to May 10, 2024, including reinvested dividends.

Slide 10: Since 2019 Investor Day...Led the Evolution in Energy Infrastructure

- (1) Proportionately Consolidated Debt-to-Adjusted EBITDA and Free Cash Flow are non-GAAP measures. See "Non-GAAP and Other Financial Measure" herein.
- (2) Calculated as cash flow from operations less common share and preferred share dividends paid less capital expenditures less contributions to equity accounted investees.

Slide 11: Since 2019 Investor Day...Our Customers Grew Stronger

- (1) Source: RBC Capital Markets: Canadian E&P Comparative Data Tables. April 14, 2024.

Slide 12: Since 2019 Investor Day...Pembina has Elevated its ESG Strategy

- (1) Diversity refers to individuals who belong to one of the four designated groups in the Employment Equity Act (Canada): Indigenous persons, people with disabilities, people who are visible minorities, and women.
- (2) As at December 31, 2023. Overall workforce employee metrics calculated based on Canadian employees only. Board of Directors metrics calculated based on independent members only.
- (3) Ratings shown are as of December 31, 2023.
- (4) Relative to baseline 2019 emissions.

Slide 13: Global Energy Demand Forecasted to Grow Through 2030

- (1) Source: Wood Mackenzie.

Slide 14: Canadian Energy Production Forecasted to Grow Through 2030

- (1) Source: Wood Mackenzie and S&P Global Commodity Insights.

Slide 15: Positioned to Support Growing Global Energy Demand

- (1) Shipping times outline typical one-way sailing days at 16 kts/hr. Factors such as weather, congestion at canals etc. may add to transit times.

Slide 17: Leading Network of Pipeline Systems

- (1) Capacities are shown net to Pembina's interest as at April 1, 2024.

Slide 18: Extensive Gas Processing, Fractionation, Storage and Export Facilities

- (1) Capacities are shown net to Pembina's interest as at April 1, 2024.

Slide 20: Superior Service Offering Across All Commodities

- (1) Peers includes AltaGas Ltd., Enbridge Inc., Gibson Energy, Keyera Corp., and TC Energy.

Slide 23: Global Energy Demand – Range of Forecasts to 2050

- (1) Sources: Various listed agencies, using cases that most closely align with a stated energy policy scenario, and includes an adjustment to baseline starting year.

Slide 28: To be Resilient...

- (1) Relative to baseline 2019 emissions.

Slide 36: Highly Reliable Operations

- (1) Includes Duvernay, Hythe, Kakwa River, Musreau, Resthaven, Saturn, Steeprock, Empress, and Younger.
- (2) Includes Brazeau, Drayton Valley, NEBC, Northern, Peace, AEGS, Cochin, Vantage, Horizon, and Syncrude.
- (3) Includes Redwater Complex and Channahon.

Slide 37: Decarbonizing the Core Business

- (1) Relative to baseline 2019 emissions.

Slide 40: Servicing North America's Most Economic Plays

- (1) Source: Peters & Co. Limited. Half-cycle payout period in years. Estimates based on US\$70/bbl WTI, US\$3.00/mcf NYMEX, and C\$2.67/mcf AECO prices.

Slide 42: Transformational Catalysts Driving Growth

- (1) Source: Trans Mountain Corporation disclosure.
- (2) Range includes LNG Canada Phase 1, Cedar LNG, and Woodfibre LNG + potential LNG Canada Phase 2.
- (3) Source: AltaGas disclosure, Trigon disclosure, and Pembina estimates.
- (4) Source: Dow Chemicals disclosure.

Slide 43: Trans Mountain Expansion | 2024

- (1) Source: CER website plus Pembina estimates.
- (2) Source: Peters & Co. Limited: Winter 2024 Energy Overview.

Endnotes

Slide 44: West Coast LNG | 2025 - 2028

- (1) Source: CER, AER, and Government of B.C. websites plus Pembina estimates. Includes ethane, propane, butane, and condensate.
- (2) Source: Peters & Co NEBC Montney Market Study dated April 19, 2024. Based on liquids yields in NEBC Montney of 34 bbls/mmcf.

Slide 45: LPG Exports | 2026+

- (1) Source: AltaGas disclosure, Trigon disclosure, and Pembina estimates.

Slide 46: Dow Path2Zero Ethylene Cracker | 2027 - 2029

- (1) Source: CER, AER, and Government of B.C. websites plus Pembina estimates.
- (2) Source: RBN Energy and Pembina estimates.

Slide 48: Advantaged Position to Benefit from Growth Catalysts

- (1) Pembina estimates.

Slide 67: 2024 Outlook

- (1) Adjusted EBITDA is a non-GAAP measure. See “Non-GAAP and Other Financial Measures” herein.

Slide 68: Three Year Outlook

- (1) Adjusted EBITDA is a non-GAAP measure. See “Non-GAAP and Other Financial Measures” herein.

Slide 69: Three Year Funding Outlook: 2024 to 2026

- (1) Includes dividends on common and preferred shares.

Slide 70: Financial Guardrails

- (1) Includes inter-segment transactions.
- (2) Fee-based Contribution to adjusted EBITDA, Fee-based Distributable Cash Flow, Standard Payout Ratio, and Rating Agency FFO-to-Debt are non-GAAP measures. See “Non-GAAP and Other Financial Measures” herein.
- (3) Based on gross 60-day exposure. Counterparty ratings are representative of the counterparties’ current rating as of December 31, 2023. Non-investment grade exposure that is secured with letters of credit from investment grade banks are considered investment grade.
- (4) Based on S&P Global Ratings “Corporate Methodology: Ratios and Adjustments” criteria and any subsequent amendments thereto.

Slide 72: Commitment to Strong BBB Credit Rating

- (1) Proportionately Consolidated Debt-to-Adjusted EBITDA and Rating Agency FFO-to-Debt are non-GAAP ratios. See “Non-GAAP and Other Financial Measures” herein.

Slide 73: Increasing Return on Invested Capital (ROIC)

- (1) Calculated as Adjusted EBITDA divided by 12-month average capital in-service, inclusive of goodwill.

Slide 74: Market Leading Total Shareholder Returns

- (1) Source: Bloomberg. Based on 1-day VWAP from May 10, 2014 to May 10, 2024, including reinvested dividends.

Non-GAAP and Other Financial Measures

Throughout this presentation, Pembina has disclosed certain financial measures and ratios that are not specified, defined or determined in accordance with GAAP and which are not disclosed in Pembina's financial statements. 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 and determined in accordance with GAAP. Non-GAAP ratios are financial measures that are in the form of a ratio, fraction, percentage or similar representation that has a non-GAAP financial measure as one or more of its components. These non-GAAP financial measures and ratios, together with financial measures and ratios specified, defined and determined in accordance with GAAP, are used by management to evaluate the performance and cash flows of Pembina and its businesses and to provide additional useful information respecting Pembina's financial performance and cash flows to investors and analysts.

The non-GAAP financial measures and non-GAAP ratios disclosed in this presentation do not have any standardized meaning under International Financial Reporting Standards ("IFRS") and may not be comparable to similar financial measures or ratios disclosed by other issuers. The measures and ratios should not, therefore, be considered in isolation or as a substitute for, or superior to, measures and ratios of Pembina's financial performance, or cash flows specified, defined or determined in accordance with IFRS, including earnings, earnings before income tax, earnings per share, cash flow from operating activities and cash flow from operating activities per share. Except as otherwise described herein, these non-GAAP financial measures and non-GAAP ratios are calculated on a consistent basis from period to period. Specific reconciling items may only be relevant in certain periods.

Below is a description of each non-GAAP financial measure and non-GAAP ratio disclosed in this presentation, together with, as applicable, disclosure of the most directly comparable financial measure that is specified, defined and determined in accordance with GAAP to which each non-GAAP financial measure relates and a quantitative reconciliation of each non-GAAP financial measure to such directly comparable GAAP financial measure. Additional information relating to such non-GAAP financial measures and non-GAAP ratios, including disclosure of the composition of each non-GAAP financial measure and non-GAAP ratio, an explanation of how each non-GAAP financial measure and non-GAAP ratio provides useful information to investors and the additional purposes, if any, for which management uses each non-GAAP financial measure and non-GAAP ratio; an explanation of the reason for any change in the label or composition of each non-GAAP financial measure and non-GAAP ratio from what was previously disclosed and a description of any significant difference between forward-looking non-GAAP financial measures and the equivalent historical non-GAAP financial measures, is contained in the "Non-GAAP & Other Financial Measures" sections of the management's discussion and analysis of Pembina dated February 22, 2024 for the year ended December 31, 2023 and the management's discussion and analysis of Pembina dated February 22, 2024 for the year ended December 31, 2023 (collectively, the "MD&A"), which information is incorporated by reference in this presentation. The MD&A are available on SEDAR at www.sedarplus.ca, EDGAR at www.sec.gov and Pembina's website at www.pembina.com.

Non-GAAP and Other Financial Measures

Adjusted Earnings Before Interest, Taxes, Depreciation and Amortization ("adjusted EBITDA") and adjusted EBITDA per Common Share

Adjusted EBITDA is a non-GAAP financial 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. The exclusion of unrealized gains or losses on commodity-related derivative financial instruments eliminates the non-cash impact of such gains or losses.

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. In addition, Pembina's proportionate share of results from investments in equity accounted investees with a preferred interest is presented in adjusted EBITDA as a 50 percent common interest. These additional adjustments are made to exclude various non-cash and other items that are not reflective of ongoing operations.

The most directly comparable GAAP measure is earnings (loss) before income tax.

Management believes that adjusted EBITDA provides useful information to investors as it is an important indicator of an issuer's ability to generate liquidity through cash flow from operating activities and equity accounted investees. Management also believes that adjusted EBITDA provides an indicator of operating income generated from capital invested, which includes operational finance income from lessor lease arrangements. Adjusted EBITDA is also used by investors and analysts for assessing financial performance and for the purpose of valuing an issuer, including calculating financial and leverage ratios. Management utilizes adjusted EBITDA to set objectives and as a key performance indicator of the Company's success. Pembina presents adjusted EBITDA as management believes it is a measure frequently used by analysts, investors and other stakeholders in evaluating the Company's financial performance.

Adjusted EBITDA per common share is a non-GAAP ratio which is calculated by dividing adjusted EBITDA by the weighted average number of common shares outstanding.

2024 Adjusted EBITDA Guidance - The equivalent historical non-GAAP measure to 2023 and 2024 adjusted EBITDA guidance is adjusted EBITDA for the year ended December 31, 2023.

| (\$ millions, except as noted) | Notes | Year Ended December 31, 2021 | Year Ended December 31, 2022 | Year Ended December 31, 2023 |
|--|-------------|---------------------------------|---------------------------------|---------------------------------|
| Earnings (loss) before income tax | | 1,665 | 3,219 | 2,189 |
| Adjustments to share of profit from equity accounted investees and other | (1) | 444 | 468 | 694 |
| Net finance costs | | 450 | 486 | 466 |
| Depreciation and amortization | | 723 | 683 | 663 |
| Unrealized (gain) loss on commodity-related derivative financial instruments | | (73) | (133) | 32 |
| Canadian Emergency Wage Subsidy | | 3 | - | - |
| Transformation and restructuring costs | | 47 | 5 | - |
| Transaction costs incurred in respect of acquisitions | | 31 | (1) | - |
| Arrangement Termination Payment | | (350) | - | - |
| Gain on Pembina Gas Infrastructure transaction | | - | (1,110) | - |
| Impairment charges and non-cash provisions | | 493 | 129 | (220) |
| Adjusted EBITDA | A | 3,433 | 3,746 | 3,824 |
| Weighted Average Shares (Basic) (million) | B | 550 | 553 | 550 |
| Adjusted EBITDA per common share (\$) | =A/B | 6.24 | 6.78 | 6.95 |

(1) See reconciliation table on slide 82.

Non-GAAP and Other Financial Measures

Adjusted EBITDA From Equity Accounted Investees

In accordance with IFRS, Pembina's jointly controlled investments are accounted for using equity accounting. Under equity accounting, the assets and liabilities of the investment are presented net in a single line item in the Consolidated Statement of Financial Position, "Investments in Equity Accounted Investees". Net earnings from investments in equity accounted investees are recognized in a single line item in the Consolidated Statement of Earnings and Comprehensive Income "Share of Profit from Equity Accounted Investees". The adjustments made to earnings, in adjusted EBITDA above, are also made to share of profit from investments in equity accounted investees. Cash contributions and distributions from investments in equity accounted investees represent Pembina's share paid and received in the period to and from the investments in equity accounted investees. To assist in understanding and evaluating the performance of these investments, Pembina is supplementing the IFRS disclosure with non-GAAP proportionate consolidation of Pembina's interest in the investments in equity accounted investees.

The most directly comparable GAAP measure is share of profit (loss) from equity accounted investees – operations.

Pembina's proportionate interest in equity accounted investees has been included in adjusted EBITDA, described above.

| (\$ millions, except as noted) | Notes | Year Ended December 31, 2021 | | | | Year Ended December 31, 2022 | | | | Year Ended December 31, 2023 | | | |
|--|-------|------------------------------|------------|----------------------------|------------|------------------------------|------------|----------------------------|------------|------------------------------|------------|----------------------------|--------------|
| | | Pipelines | Facilities | Marketing and New Ventures | Total | Pipelines | Facilities | Marketing and New Ventures | Total | Pipelines | Facilities | Marketing and New Ventures | Total |
| Share of profit (loss) from equity accounted investees - operations | | 124 | 80 | 77 | 281 | 171 | 108 | 82 | 361 | 109 | 233 | (26) | 316 |
| Adjustments to share of profit (loss) from equity accounted investees: | | | | | | | | | | | | | |
| Net finance costs | | 72 | 31 | 1 | 104 | 21 | 79 | - | 100 | 22 | 160 | 1 | 183 |
| Income tax expense | | - | - | - | - | - | 14 | - | 14 | - | 41 | - | 41 |
| Depreciation and amortization | | 156 | 104 | 22 | 282 | 149 | 138 | 25 | 312 | 150 | 207 | 25 | 382 |
| Unrealized loss on commodity-related derivative financial instruments | | - | - | - | - | - | 27 | - | 27 | - | 16 | - | 16 |
| Transaction costs incurred in respect of acquisitions | | - | - | - | - | - | 13 | - | 13 | - | 14 | 58 | 72 |
| Share of earnings (loss) in excess of equity interest | (1) | 58 | - | - | 58 | 2 | - | - | 2 | - | - | - | - |
| Total adjustments to share of profit from equity accounted investees | | 286 | 135 | 23 | 444 | 172 | 271 | 25 | 468 | 172 | 438 | 84 | 694 |
| Adjusted EBITDA from equity accounted investees | | 410 | 215 | 100 | 725 | 343 | 379 | 107 | 829 | 281 | 671 | 58 | 1,010 |

(1) Pembina's proportionate share of results from investments in equity accounted investees with a preferred interest is presented in adjusted EBITDA as a 50 percent common interest.

Non-GAAP and Other Financial Measures

Adjusted Cash Flow From Operating Activities and Adjusted Cash Flow From Operating Activities per Common Share

Adjusted cash flow from operating activities is a non-GAAP measure which is defined as cash flow from operating activities adjusting for the change in non-cash operating working capital, adjusting for current tax and share-based compensation payment, and deducting preferred share dividends paid. Adjusted cash flow from operating activities deducts preferred share dividends paid because they are not attributable to common shareholders. The calculation has been modified to include current tax and share-based compensation payment as it allows management to better assess the obligations discussed below.

The most directly comparable GAAP measure is cash flow from operating activities.

Management believes that adjusted cash flow from operating activities provides comparable information to investors for assessing financial performance during each reporting period. Management utilizes adjusted cash flow from operating activities to set objectives and as a key performance indicator of the Company's ability to meet interest obligations, dividend payments and other commitments.

Adjusted cash flow from operating activities per common share is a non-GAAP ratio which is calculated by dividing adjusted cash flow from operating activities by the weighted average number of common shares outstanding.

| (\$ millions, except as noted) | Notes | Year Ended December 31, 2023 |
|---|-------------|---------------------------------|
| Cash flow from operating activities | | 2,635 |
| Change in non-cash operating working capital | | 210 |
| Current tax expense | | (325) |
| Taxes paid, net of foreign exchange | | 236 |
| Accrued share-based payment expense | | (67) |
| Share-based compensation payment | | 77 |
| Preferred share dividends paid | | (120) |
| Adjusted cash flow from operating activities | A | 2,646 |
| Weighted Average Shares (Basic) (million) | B | 550 |
| Adjusted cash flow from operating activities per common share – basic (dollars) (\$) | =A/B | 4.81 |

Non-GAAP and Other Financial Measures

Fee-Based Contribution to Adjusted EBITDA

Fee-based contribution to adjusted EBITDA is a non-GAAP measure defined as the portion of adjusted EBITDA derived from the fee-based, non commodity exposed, parts of Pembina's business and excludes adjusted EBITDA attributable to the Corporate segment and the Marketing & New Ventures Division. The most directly comparable GAAP measure is earnings (loss) before income tax.

When expressed as a percentage, fee-based contribution to adjusted EBITDA is a non-GAAP ratio.

Management believe this metric is useful to investors and other users of Pembina's financial information is assessing the earnings generated from Pembina's non-commodity exposed businesses.

Fee-Based Distributable Cash Flow

Fee-based distributable cash flow is a non-GAAP measure defined as the cash generated from the fee-based, non-commodity exposed, parts of Pembina's business that is available for distribution to common shareholders. The most directly comparable GAAP measure is earnings (loss) before income tax.

Fee-based distributable cash flow is comprised of fee-based adjusted EBITDA from Pembina's wholly-owned assets within the Pipelines and Facilities divisions, plus the fee-based portion of distributions from equity accounted investees, less preferred share dividends, net finance costs related to loans and borrowings and leases, and illustrative current tax expense.

Management believes this metric is useful to investors and other users of Pembina's financial information is assessing the amount of cash generated from Pembina's non-commodity exposed businesses.

Fee-based distributable cash flow is used in the calculation of payout of fee-based distributable cash flow, described below.

| (\$ millions, except as noted) | Notes | Year Ended December 31, 2023 |
|---|-------------|---------------------------------|
| Adjusted EBITDA | (1) | 3,824 |
| Adjusted EBITDA – Corporate segment | | 220 |
| Adjusted EBITDA excluding Corporate segment | A | 4,044 |
| Adjusted EBITDA – Marketing & New Ventures | | (597) |
| Fee-Based Contribution to Adjusted EBITDA | B | 3,447 |
| Fee-Based Contribution to Adjusted EBITDA (%) | =B/A | 85% |
| Adjusted EBITDA from Equity Accounted Investees - Pipelines | (2) | (281) |
| Adjusted EBITDA from Equity Accounted Investees - Facilities | (2) | (671) |
| Distributions from Equity Accounted Investees | | 819 |
| less: distributions from Equity Accounted Investees - Marketing | | (77) |
| General & administrative – Corporate segment | | (275) |
| Net Finance Costs - loans and borrowings and hybrid | | (424) |
| Net Finance Costs - leases | | (30) |
| Subtotal | | 2,508 |
| Illustrative current tax expense @ 15% | | (376) |
| Preferred Dividends Paid | | (120) |
| Fee-Based Distributable Cash Flow | | 2,012 |

(1) For reconciliation of adjusted EBITDA to earnings (loss) before income tax, see slide 81.

(2) See reconciliation table on slide 82.

Non-GAAP and Other Financial Measures

Cash Flow After Dividends and Free Cash Flow

Cash Flow After Dividends and Free Cash Flow are non-GAAP measures and Cash Flow After Dividends is defined as cash flow from operating activities less common and preferred dividends paid. Free Cash Flow is defined as Cash Flow After Dividends less capital expenditures and contributions to equity accounted investees. The most directly comparable GAAP measure is cash flow from operating activities.

Management believes Cash Flow After Dividends and Free Cash Flow are useful to investors and other users of Pembina's financial information in the evaluation of the Company's ability to fund capital expenditures with internally generated cash flow.

Standard Payout Ratio

Standard Payout Ratio is a non-GAAP ratio defined as common dividends paid divided by adjusted cash flow from operating activities. Management believes Standard Payout Ratio is useful as it is a measure frequently used by investors and other users of Pembina's financial information in the evaluation of the Company's ability to pay dividends on its common shares.

Payout of Fee-Based Distributable Cash Flow

Payout of Fee-Based Distributable Cash Flow is a non-GAAP ratio calculated as the ratio of common dividends paid to fee-based distributable cash flow, as described above.

Management believes Payout of Fee-Based Distributable Cash Flow is useful to investors and other users of Pembina's financial information in the evaluation of the Company's ability to pay dividends on its common shares using cash generated from its non-commodity exposed businesses.

| (\$ millions, except as noted) | Notes | Year Ended December 31, 2023 |
|---|-------|---------------------------------|
| Cash flow from operating activities | | 2,635 |
| Dividends paid – common | | (1,459) |
| Dividends paid – preferred | | (120) |
| Cash flow after dividends | | 1,056 |
| Capital expenditures | | (606) |
| Contributions to equity accounted investees | | (265) |
| Free Cash Flow | | 185 |

| (\$ millions, except as noted) | Notes | Year Ended December 31, 2023 |
|--|-------------|---------------------------------|
| Dividends paid – common | A | 1,459 |
| Adjusted cash flow from operating activities | B | 2,646 |
| Standard Payout Ratio (%) | =A/B | 55% |

| (\$ millions, except as noted) | Notes | Year Ended December 31, 2023 |
|--|-------------|---------------------------------|
| Dividends paid – common | A | 1,459 |
| Fee-based distributable cash flow | B | 2,012 |
| Payout of fee-based distributable cash flow (%) | =A/B | 73% |

Non-GAAP and Other Financial Measures

Rating Agency FFO-to-Debt

Rating Agency FFO-to-Debt is a non-GAAP ratio defined and used by Pembina to replicate one of the Company's rating agency methodologies, in the evaluation of the Company's creditworthiness. The component parts in the calculation are Rating Agency Funds From Operations and Rating Agency Debt, both of which are non-GAAP financial measures. The most directly comparable GAAP measure to Rating Agency FFO is cash from operating activities. The most directly comparable GAAP measure to Rating Agency Debt is loans and borrowings.

| (\$ millions, except as noted) | Notes | Year Ended December 31, 2022 | Year Ended December 31, 2023 |
|---|-------------|---------------------------------|---------------------------------|
| Cash flow from operating activities | | 2,929 | 2,635 |
| Share-based compensation payment | | 45 | 77 |
| Other | (1) | 5 | 89 |
| Change in non-cash working capital | | (177) | 210 |
| Interest paid during construction | | (21) | (15) |
| 50% of preferred dividends paid | | (63) | (60) |
| 50% of subordinated hybrid interest paid | | 15 | 15 |
| Rating Agency Funds From Operations (FFO) | A | 2,733 | 2,951 |
| Loans and borrowings (current) | | 600 | 650 |
| Loans and borrowings (non-current) | | 9,405 | 9,253 |
| Cash and cash equivalents | | (94) | (137) |
| 50% of Preferred Shares | | 1,104 | 1,100 |
| 50% of Hybrid Notes | | 298 | 298 |
| Post-retirement benefit obligations/(asset) (after tax) | (2)(3) | (5) | 7 |
| Decommissioning provision (after tax) | (4)(5) | 198 | 257 |
| Lease liabilities (current + non-current) | | 675 | 644 |
| Rating Agency Debt | B | 12,181 | 12,071 |
| Rating Agency FFO-to-Debt (%) | =A/B | 22% | 24% |

(1) 2022 and 2023 Other is found in Pembina's 2022 and 2023 Annual Report on page 84 and page 86, respectively. 2023 includes the gain on asset disposal and net change in contract liabilities.

(2) 2022 Canadian statutory tax rate of 23.6% applied as per Note 11. \$(6)MM * (1 - 0.236) = \$(5)MM.

(3) 2023 Canadian statutory tax rate of 23.6% applied as per Note 10. \$9MM * (1 - 0.236) = \$7MM.

(4) 2022 Canadian statutory tax rate of 23.6% applied as per Note 11. \$259MM * (1 - 0.236) = \$198MM.

(5) 2023 Canadian statutory tax rate of 23.6% applied as per Note 10. \$336MM * (1 - 0.236) = \$257MM.

Non-GAAP and Other Financial Measures

Senior Debt

Senior debt is a non-GAAP measure and is defined as the sum of current and non-current loans and borrowings. Senior Debt is used in the calculations of Total Capitalization, Senior Debt-to-Total Capitalization, and Proportionately Consolidated Debt, as described below.

Proportionately Consolidated Debt

Proportionately consolidated debt is a non-GAAP measure and is defined as the sum of Senior Debt, described above, and loans and borrowings of equity accounted investees. Management believes this is a valuable measure of the Company's proportionately consolidated debt obligations and is useful to investors and other users of Pembina's financial information in the evaluation of the Company's debt levels and credit worthiness.

Proportionately Consolidated Debt-to-Adjusted EBITDA

Proportionately Consolidated Debt-to-Adjusted EBITDA, the components parts of which are described above, is a non-GAAP ratio that management believes is useful to investors and other users of Pembina's financial information in the evaluation of the Company's debt levels and creditworthiness.

| (\$ millions, except as noted) | Notes | Year Ended December 31, 2022 | Year Ended December 31, 2023 |
|------------------------------------|-------|---------------------------------|---------------------------------|
| Loans and borrowings (current) | | 600 | 650 |
| Loans and borrowings (non-current) | | 9,405 | 9,253 |
| Senior Debt | | 10,005 | 9,903 |

| (\$ millions, except as noted) | Notes | Year Ended December 31, 2022 | Year Ended December 31, 2023 |
|--|-------|---------------------------------|---------------------------------|
| Senior Debt | | 10,005 | 9,903 |
| Loans & Borrowings of Equity Accounted Investees | | 3,366 | 2,805 |
| Proportionately Consolidated Debt | | 13,371 | 12,708 |

| (\$ millions, except as noted) | Notes | Year Ended December 31, 2022 | Year Ended December 31, 2023 |
|---|-------------|---------------------------------|---------------------------------|
| Proportionately Consolidated Debt | A | 13,371 | 12,708 |
| Adjusted EBITDA | B | 3,746 | 3,824 |
| Proportionately Consolidated Debt-to-Adjusted EBITDA (times) | =A/B | 3.6x | 3.3x |

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