

PERFORMANCE DATA

Performance Data ^(1,2)

Indicator Title	Units	2017	2018	2019
HEALTH AND SAFETY				
Employees				
Fatalities	#	0	0	0
Total recordable injury frequency (TRIF) ⁽³⁾	#	0.19	0.25	0.34
Preventable motor vehicle incident frequency (MVI) ⁽⁴⁾	#	1.36	0.46	0.49
Lost time injury frequency rate (LTIFR) ⁽⁵⁾	#	0.31	0.25	0.42
Industry Average ⁽⁶⁾				
Fatalities	#	0	0	0
Total recordable injury frequency (TRIF) ⁽³⁾	#	0.43	0.49	0.72
Preventable motor vehicle incident frequency (MVI) ⁽⁴⁾	#	1.37	1.07	0.70
Third-Party Contractor				
Fatalities	#	0	0	0
Total recordable injury frequency (TRIF) ⁽³⁾	#	1.14	1.58	1.22
Preventable motor vehicle incident frequency (MVI) ⁽⁴⁾	#	1.82	1.26	1.45
Lost time injury frequency rate (LTIFR) ⁽⁵⁾	#	0.92	1.32	0.24
ASSET INTEGRITY				
Asset Integrity Investment				
Pipeline repairs and in-line inspections	\$ millions	48	47	59
Geotechnical	\$ millions	26	27	47
Facility integrity	\$ millions	8	3	3
Total asset integrity investment	\$ millions	82	77	109
Pipeline Repairs and In-Line Inspections (ILIs)				
Integrity digs completed	#	296	284	218
Total ILIs completed ⁽⁷⁾	#	91	88	97
Total ILI length ⁽⁷⁾	km	3,440	3,328	3,810
Percentage pipelines inspected	%	23	27	30
Incidents (Spills, Releases and Significant Failures)				
Reported significant failures ⁽⁸⁾	#	0	0	2
Reportable spills	#	7	5	8
Released substances from reportable spills	m ³	4	8	38
Reportable spill intensity	m ³ spilled/ mmboe delivered	0.0060	0.0075	0.0352

Indicator Title	Units	2017	2018	2019
Emergency Preparedness and Response				
Emergency preparedness and response exercises completed	#	45	51	70
Emergency preparedness and response training completed	# of responders	187	429	744
ENVIRONMENTAL STEWARDSHIP				
Energy and GHG Emissions^(9,10,11)				
Pipelines direct GHG emissions ⁽¹²⁾	tCO ₂ e	53,061	68,454	67,107
Facilities direct GHG emissions ⁽¹²⁾	tCO ₂ e	966,070	1,554,920	1,640,847
Total direct GHG emissions ⁽¹²⁾	tCO ₂ e	1,019,131	1,623,374	1,707,954
Pipelines direct emissions intensity	tCO ₂ e/BOE	0.000122	0.000106	0.000099
Facilities direct emissions intensity	tCO ₂ e/BOE	0.00427	0.00372	0.00408
Total direct emissions intensity	tCO ₂ e/BOE	0.00154	0.00153	0.00158
Pipelines indirect GHG emissions ⁽¹³⁾	tCO ₂ e	335,386	475,299	522,893
Facilities indirect GHG emissions ⁽¹³⁾	tCO ₂ e	686,223	936,071	856,157
Total indirect GHG emissions ⁽¹³⁾	tCO ₂ e	1,021,609	1,411,370	1,379,049
Pipelines indirect emissions intensity	tCO ₂ e/BOE	0.000771	0.000736	0.000773
Facilities indirect emissions intensity	tCO ₂ e/BOE	0.00303	0.00224	0.00213
Total indirect emissions intensity	tCO ₂ e/BOE	0.00154	0.00133	0.00128
Methane emissions	metric tonnes	6,633	5,327	4,918
Total energy consumed	GWh	1,365	2,206	2,164
Limiting regulations ⁽¹⁴⁾	%	56	45	40
Other Emissions^(9,10)				
Total NO _x emissions	metric tonnes	2,101	3,262	3,467
Total SO _x emissions	metric tonnes	778	1,581	1,651
Total VOCs	metric tonnes	1,312	10,183	4,879
Total particulate matter	metric tonnes	182	241	299
LAND USE & BIODIVERSITY				
High-risk assessments completed as part of historic liability program	%	100	100	100
Wellsites receiving reclamation certificate as part of wellsite reclamation program	% (cumulative)	34	46	52
Land reclaimed, protected or restored	acres (cumulative)	25.4 (169.8)	61.8 (231.6)	31.8 (263.4)

Indicator Title	Units	2017	2018	2019
WASTE				
Waste				
Total waste (non-hazardous + hazardous)	metric tonnes	263,042	581,937	595,262
Total non-hazardous waste	metric tonnes	244,427	527,565	543,395
Non-hazardous waste diverted from landfill (i.e., recycled)	metric tonnes	92,744	369,678	365,471
Non-hazardous waste sent to disposal (i.e., landfill, incineration)	metric tonnes	151,682	157,887	177,924
Total hazardous waste	metric tonnes	18,615	54,372	51,867
Hazardous waste sent for treatment	metric tonnes	507	1,182	1,578
Hazardous waste sent to disposal (i.e., landfill, incineration)	metric tonnes	18,109	53,190	50,289
WATER				
Water				
Total water withdrawal	million m ³	2.219	1.870	1.555
Total water disposed (i.e., regulated disposal facility or deep injection well)	million m ³	2.049	0.780	0.152
Total water returned to the environment	million m ³	0.870	1.089	1.039
ABORIGINAL & TRIBAL RELATIONS				
Environmental Technician Program Performance				
Program technicians trained	#	20	2	22
Program technicians subsequently employed by band-owned businesses	#	41	18	14
Communities represented in program	#	15	7	6
Pembina projects utilizing technicians	#	6	12	14
Aboriginal and Tribal communities engaged for services	#	37	36	43
Aboriginal and Tribal suppliers utilized	#	112	91	120

Indicator Title	Units	2017	2018	2019
COMMUNITY INVESTMENT ⁽¹⁵⁾				
Summary of Community Investment Program				
Value to communities (value of Company investments, employee giving and volunteering program)	\$ millions	6.9	11.4	14.5
Summary of Company Community Investment				
Cash investments (direct only)	\$ millions	4.1	7.5	10.0
In-kind investments	\$ millions	-(16)	-(16)	0.058
Employee giving	\$ millions	2.4	2.8	3.3
Employee time during work hours	\$ millions	0.24	0.33	0.47
Other	\$ millions	0.16	0.77	0.67
Summary of Employee Volunteering				
Employee and contractor hours volunteered (during working hours)	#	4,049	5,562	7,926
Hours per employee (during working hours)	#	2.5	2.9	3.2
WORKFORCE				
Workforce Overview ^(17,18)				
Permanent employees	#	1,528	1,894	2,515
Invoicing contractors ⁽¹⁹⁾	#	539	750	823
Fixed-term employees	#	75	86	127
New hire permanent employees	#	287	458	494
Workforce Composition ⁽²⁰⁾				
Men	#	1,101	1,377	1,702
	%	72	71	73
Women	#	427	563	634
	%	28	29	27
Aboriginal peoples	#	65	78	88
	%	4	4	4
Persons with disabilities	#	14	16	18
	%	1	1	1
Visible minorities	#	145	220	261
	%	9	11	11
Workforce Performance ⁽¹⁷⁾				
Total employee turnover	%	7.8	7.8	8.6
Voluntary employee turnover	%	3.7	4.9	4.9

Indicator Title	Units	2017	2018	2019
Workforce Diversity ⁽¹⁷⁾				
Executive team	# of male	5	7	7
	# of female	0	0	0
Vice presidents	# of male	13	15	14
	# of female	2	3	4
Senior managers & managers	# of male	75	129	158
	# of female	36	47	64
Other employees	# of male	1,005	1,206	1,676
	# of female	386	486	591
Workforce Age Demographic ^(17, 21)				
Total employees aged over 50+	#	-(16)	456	624
	%	-(16)	24	25
Total employees aged between 30 and 49	#	-(16)	1,205	1,530
	%	-(16)	64	63
Total employees under 30	#	-(16)	233	294
	%	-(16)	12	12
ECONOMIC CONTRIBUTIONS				
Company Financial Snapshot				
TSX common share trading price ⁽¹⁸⁾	\$/share	45.51	40.51	48.13
TSX 52-week trading range	\$/share	46.14 – 39.26	47.52 - 38.49	50.46 - 41.23
Market capitalization ^(18, 22)	\$ millions	22,892	20,580	26,375
Total enterprise value ^(18, 23)	\$ millions	34,556	32,235	40,468
Common share dividend paid	\$/share	2.02	2.23	2.35
Yield ⁽¹⁸⁾	%	4.75	5.63	5.24
Corporate credit rating ⁽²⁴⁾		BBB/BBB	BBB/BBB	BBB/BBB
Capital Investments and Acquisitions ⁽²⁵⁾				
Capital investments	\$ millions	1,839	1,226	1,645
Acquisitions	\$ millions	6,400	0	4,255

Indicator Title	Units	2017	2018	2019
Economic Value Generated, Distributed and Retained ⁽²⁶⁾				
Net revenue ⁽²⁷⁾	\$ millions	2,238	2,836	3,120
Total Economic Value Generated ⁽²⁸⁾	\$ millions	2,238	2,836	3,120
Operating and general and administrative expenses ⁽²⁹⁾	\$ millions	263	324	299
Employee wages and benefits	\$ millions	350	420	489
Payments to governments ⁽³⁰⁾	\$ millions	94	123	274
Payments to providers of capital ⁽³¹⁾	\$ millions	1,029	1,561	1,659
Community investments	\$ millions	4	8	10
Total Economic Value Distributed	\$ millions	1,740	2,435	2,731
Total Economic Value Retained	\$ millions	498	401	389
Taxes Paid				
Canadian taxes paid	\$ millions	14	75	227
U.S. taxes paid	\$ millions	34	(5)	(17)

Abbreviations

km - kilometres	MT - metric tonnes
m ³ – metres cubed	NOx - nitrogen oxide
mmboe – millions of barrels of oil equivalent	SOx - sulphur oxide
tCO ₂ e – tonnes of carbon dioxide equivalent	VOC - volatile organic compounds
BOE- barrels of oil equivalent	MW - megawatts
GWh – gigawatt hours	ktCO ₂ e - kilotonnes of carbon dioxide equivalent

Footnotes

- ¹ Unless otherwise noted, the data reflects all Pembina majority-owned and operated assets. Assets which are jointly owned and which Pembina does not operate are excluded. Except where specifically noted, the assets assumed by way of the acquisition of Kinder Morgan Canada Limited and the U.S. portion of the Cochin Pipeline system, which closed on December 16, 2019, are also excluded from the reported data.
- ² Prior periods (2017-2018) have been restated from data reported in Pembina's 2019 Sustainability Data Update as a result of new available information or a change in methodology.
- ³ Total recordable injury frequency rate (TRIF) is defined as the number of recordable injuries per 200,000 hours of work.
- ⁴ Motor vehicle incident frequency rate (MVI) is the number of preventable incidents per 1,000,000 km driven.
- ⁵ Lost Time Injury Frequency Rate (LTIFR) are based on 1,000,000 hours of work.
- ⁶ Industry average based on employee data from member companies reported by the Canadian Energy Pipeline Association (CEPA).
- ⁷ Included in this total is maintenance ILLs and post construction ILLs.
- ⁸ Pembina uses CEPA's definition of a significant failure incident – a failure incident that includes one or more of the following: caused a serious injury or fatality, caused a liquid release of greater than 8 m³ (50 US barrels), produced an unintentional ignition or fire, or occurred as a rupture.
- ⁹ Pembina participates in the following applicable regulated emissions reporting programs: Canadian Greenhouse Gas Emissions Reporting Program, British Columbia Greenhouse Gas Industrial Reporting and Control Act, Alberta Specified Gas Reporting Regulations, Alberta Carbon Competitiveness Incentive Regulations, Saskatchewan Management and Reduction of Greenhouse Gases Regulations and Standards, Ontario Greenhouse Gas Emissions Reporting (O Reg. 390/18) and the Canadian Natural Pollutant Release Inventory Reporting Program.
- ¹⁰ The reported emissions are based on operational control and direct emissions sources primarily using metered fuel volumes or invoiced volumes; however, in instances where metering data is not available, calculated emissions from sources were determined using industry best practices and accepted regulatory methodologies.
- ¹¹ The revisions are the result of changes to Pembina's calculation methodology.

- ¹² Direct GHG Emissions (Scope 1) sources in the reported data include emissions from operational stationary combustion equipment, fugitive component leaks, as well as flaring, incineration and venting activities at gas processing facilities, and vented emissions from above ground storage tanks.
- ¹³ Indirect GHG Emissions (Scope 2) sources in the reported data include the electrical consumption used to power natural gas and processing plants, NGL processing plants and the various pipeline systems operated by Pembina. Waste heat imported into our NGL processing plants from a third-party source is not currently included in this report. Sources of indirect emissions, such as those from office buildings or communication towers are not currently included in this report. Scope 3 emissions (e.g., employee travel, supply chain emissions or upstream/downstream hydrocarbon emissions) are currently not included in this report.
- ¹⁴ Percent of emissions which fall under emissions-limiting regulations (i.e., cap and trade or carbon price systems).
- ¹⁵ Assets excluded from Community Investment include: VMLP and Aux Sable.
- ¹⁶ Metrics were not available as data was not tracked on a comparable basis and/or due to revisions to the calculation methodology.
- ¹⁷ Workforce data for 2019 includes the assets assumed by way of the acquisition of Kinder Morgan Canada Limited and the U.S. portion of the Cochin Pipeline system, which closed on December 16, 2019.
- ¹⁸ At December 31 each year.
- ¹⁹ Represents invoicing contractors as of December 31. These numbers fluctuate throughout the year based on business requirements.
- ²⁰ Represents Canadian workforce only. Temporary employees added in for 2018 and 2019.
- ²¹ Excluded from the 2019 figures are 67 U.S. employees associated with the acquisition of Kinder Morgan Canada Limited and the U.S. portion of the Cochin Pipeline system, which closed on December 16, 2019. Diversity information (including age) was not tracked for these employees, however we intend to report this information in later reports.
- ²² Market capitalization includes common shares.
- ²³ Total enterprise value includes common shares, convertible debentures, preferred shares and proportionately consolidated debt less cash.
- ²⁴ DBRS and S&P.
- ²⁵ This economic section accounts for all Pembina assets excluding Equity Accounted Investees.
- ²⁶ This report refers to the terms net revenue, total economic value generated, payments to governments, payments to providers of capital, total economic value distributed and total economic value retained, which do not have any standardized meaning under IFRS ("Non-GAAP Measures"). Please refer to "Non-GAAP Measures" in the Company's other disclosure including the quarterly and annual Management Discussion and Analysis available on SEDAR or at www.pembina.com. This report also refers to certain other terms commonly used to satisfy sustainability reporting requirements. These terms are not necessarily used by Pembina in the management of business. This economic section accounts for all Pembina assets excluding Equity Accounted Investees.
- ²⁷ Net Revenue represents revenue less cost of sales. See "Non-GAAP Measures".
- ²⁸ Economic Value Generated is equivalent to Net Revenue. See "Non-GAAP Measures".
- ²⁹ Operating expenses plus general and administrative expenses less personnel expenses.
- ³⁰ Current income taxes plus property taxes.
- ³¹ Dividends paid plus net finance cost plus interest paid during construction.

ADVISORIES

Forward-Looking Statements and Information

This report contains certain forward-looking statements and information that are based on Pembina's expectations, estimates, projections and assumptions considering its experience and its perception of historical trends as well as current market conditions and perceived business opportunities. In some cases, forward-looking information can be identified by terminology such as "expects", "will", "would", "anticipates", "plans", "estimates", "develop", "intends", "potential", "continue", "could", "forecast", "create", "keep", "believe", "aim", "endeavor", "commit" and similar expressions suggesting future events or future performance.

In particular, this report contains forward-looking statements pertaining to, without limitation: plans, targets, and strategies with respect to reducing greenhouse gas emissions, including as part of Pembina's Carbon Stand; intended outcomes resulting from the Carbon Stand; plans and strategies to improve ESG performance, including as such relates to compensation methodologies; plans to achieve certain diversity targets at each of the board, executive and employee levels through the implementation of the Inclusion and Diversity Stand and under the Board Diversity Policy, as the case may be; future opportunities related to hydrocarbon production; the potential impacts of the COVID-19 pandemic, and Pembina's response thereto; the Board's approach to shareholder proposals as part of its review of executive compensation; plans to further develop continued community investment and engagement efforts; reporting and monitoring systems; programs for risk management, workplace safety, vehicle safety, emergency preparedness, process improvement; the timing of audits of Pembina's service providers and equipment suppliers to track insurance, health and safety programs, injury and incident statistics, and workers' compensation information on onsite service providers; participation in industry initiatives and integrity programs; strategies to protect the integrity of energy infrastructure; asset integration plans in respect of recently acquired assets; future environmental monitoring and management programs; Pembina's approach to engaging with its various stakeholders; anticipated in-service dates for growth projects; further expansion opportunities; timing of the implementation of an integrated vegetation management program and the components thereof; the expansion and implementation of waste management programs; strategies in respect of water management, data collection and reporting, including the development of a Surface Management Matrix; strategies for Aboriginal and Tribal engagement, inclusion and reconciliation; and anticipated community and economic benefits of growth projects.

Undue reliance should not be placed on these forward-looking statements and information as they are based on assumptions made by Pembina as of the date hereof regarding, among other things: oil and gas industry exploration and development activity levels and the geographic region of such activity; that current technologies are sufficient to achieve reductions in GHG emissions targets; the success of Pembina's operations; the availability of individuals with the skills required for Pembina's business and in the geographic locations in which Pembina operates necessary to achieve Pembina's Inclusion and Diversity Stand and to abide the Board Diversity Policy; that Pembina's future results of operations will be consistent with past performance and management expectations in relation thereto; broad compliance with Pembina's plans, strategies, programs and goals across its reporting and monitoring systems among its employees, stakeholders and service providers; the continued availability of capital at attractive prices to fund future capital requirements relating to existing assets and projects; the willingness of Aboriginal and Tribal stakeholders to engage in consultation and reconciliation efforts; the success of growth projects; the availability of data, samples and information necessary to develop and evaluate targets, goals, programs and strategies; that counterparties to agreements will continue to perform their obligations in a timely manner; that there are no unforeseen material construction or other costs related current projects or operations; prevailing regulatory, tax, and environmental laws and regulations; the amount of future liabilities relating to lawsuits and environmental incidents and the availability of coverage under Pembina's insurance policies.

While Pembina believes the expectations and assumptions reflected in these forward-looking statements are reasonable as of the date hereof, there can be no assurance that they will prove to be correct. Forward-looking statements are subject to known and unknown risks and uncertainties which may cause actual performance and financial results to differ materially from the results expressed or implied, including but not limited to: the regulatory environment and decisions, and Aboriginal and landowner consultation requirements; the failure to realize the benefits or synergies from acquired assets; reliance on third parties to successfully operate and maintain certain assets; labour, human capital and material shortages; reliance on key relationship and agreements and the outcome of stakeholder engagement; the strength and operations of the oil and natural gas industry and related commodity prices; non-performance or default by counterparties to agreement which Pembina or one or more of its subsidiaries has entered into in respect of its business; actions by joint venture partners or other partners which hold interests in certain of Pembina's assets; actions by governmental and regulatory authorities, including changes in regulatory processes or increased environmental regulation; fluctuations in operating results; adverse general economic and market conditions in Canada, North America and worldwide; risks related to the current and potential impacts of the COVID-19 pandemic and depressed commodity prices; constraints on, or the unavailability of adequate infrastructure and technology; changes in the political environment, in North America and elsewhere, and public opinion; ability to access sources of debt and equity capital; changes in credit ratings; technology and security risks including cyber-security risks; and natural catastrophes.

Additional information on these factors as well as other risks that could impact Pembina's operational and financial results are contained in Pembina's AIF and annual management discussion and analysis (MD&A) for the year ended December 31, 2019, and Pembina's interim MD&A for the three and nine months ended September 30, 2020 and described in our public filings available in Canada at www.sedar.com and in the United States at www.sec.gov. Readers are cautioned that this list of risk factors should not be construed as exhaustive.

The forward-looking statements contained in this document speak only as of the date of this document. Except as expressly required by applicable securities laws, Pembina and its subsidiaries assume no obligation to update forward-looking statements and information should circumstances or management's expectations, estimates, projections or assumptions change. The forward-looking statements contained in this document are expressly qualified by this cautionary statement.

Non-GAAP Measures

In this document, Pembina has used the terms net revenue, adjusted earnings before interest, taxes, depreciation and amortization (adjusted EBITDA), total economic value generated, payments to governments, payments to providers of capital, community investments, total economic value distributed and total economic value retained, which do not have any standardized meaning under IFRS ("Non-GAAP Measures"). Since Non-GAAP Measures do not have a standardized meaning prescribed by GAAP and are therefore unlikely to be comparable to similar measures presented by other companies, securities regulations require that Non-GAAP Measures are clearly defined, qualified and reconciled to their nearest GAAP measure. Net revenue and adjusted EBITDA are calculated and disclosed on a consistent basis from period to period. 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 IFRS. The measures should not, therefore, be considered in isolation or used in substitute for measures of performance prepared in accordance with IFRS.

This report refers to certain other terms commonly used to satisfy sustainability reporting requirements. These terms are not necessarily used by Pembina in the management of the business.

Non-GAAP Proportionate Consolidation of Investments in Equity Accounted Investees Results

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 net into 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 Earnings, share of profit from equity accounted investees. Cash contributions and distributions from Investments in Equity Accounted Investees represent Pembina's proportionate share paid and received in the period to and from the equity accounted investment.

Other issuers may calculate these Non-GAAP Measures differently. Investors should be cautioned that these measures should not be construed as alternatives to revenue, earnings, cash flow from operating activities, gross profit or other measures of financial results determined in accordance with GAAP as an indicator of Pembina's performance. For additional information regarding Non-GAAP Measures, including definitions and reconciliations of net revenue and adjusted EBITDA to measures recognized by GAAP, please refer to Pembina's management's discussion and analysis for the applicable periods as referenced in this document which are available online at www.sedar.com, www.sec.gov and through Pembina's website at www.pembina.com.