

# 2019 ESG Datasheet

December 16, 2020



➤ Lambertville, NJ solar installation

# Contents

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## Front cover

The 2.25-megawatt (MW) Lambertville solar farm will provide solar energy to our Lambertville, New Jersey compressor station beginning in the fall of 2020. We have a number of projects under construction or in planning to generate renewable power for our operations – accelerating the shift to a lower-carbon future.

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# Introduction

This ESG datasheet aims to provide an overview of Enbridge's non-financial performance. Performance data included in this datasheet is discussed further in the [2019 Sustainability Report](#).

Unless otherwise noted, this datasheet presents data from January 1 to December 31 for the years 2017, 2018 and 2019, all financial information is presented in Canadian dollars.

We report on all aspects of Enbridge's businesses, assets and joint ventures that are owned and operated by Enbridge. Other data exclusions or additions are noted throughout the document.

Enbridge's business consists of the following business units which are referenced as follows in this document:

- Liquids Pipelines
- Gas Transmission and Midstream
- Gas Distribution and Storage
- Renewable Power Generation

As of the date of release of the ESG Datasheet, we are in the process of obtaining third-party limited assurance over select 2018-2019 environmental data. As such, reported data is subject to change as a result of this process. We expect to receive our final assurance report later this year and to post it on the Enbridge website. We intend to expand assurance of other key performance indicators over the next few years.

Additional information about our environmental, social and governance performance can be found at: [enbridge.com/sustainability](https://enbridge.com/sustainability).

 [Download 2019 ESG Datasheet](#)

## Note to users

This document contains references to Enbridge's website. These references are for the readers' convenience only. This document also has links to websites owned and operated by third parties. When clicking on those links, users will leave our website. These links are provided for additional information and convenience only. Enbridge is not responsible for third-party websites or their content. Enbridge is not incorporating by reference any information posted on Enbridge.com or any third-party website. The terms "we," "our," "us," "Company," and

## Corporate reports

[Notice of 2020 Annual Meeting of Shareholders and Management Information Circular](#)

[2019 Annual Report](#)

[2019 Sustainability Report](#)

[2018 Sustainability Report](#)

[Resilient Energy Infrastructure: Addressing Climate-Related Risks and Opportunities](#)

[Indigenous Rights and Relationships in North American Energy Infrastructure](#)

## Sustainability policies

[Statement on Business Conduct](#)

[Corporate Social Responsibility Policy](#)

[Climate Policy](#)

[Indigenous Peoples Policy](#)

[Supplier Code of Conduct](#)

[Political Contributions Policy](#)

[Safety and Reliability Policy](#)

[Whistle Blower Policy](#)

"Enbridge" as used in this document refer collectively to Enbridge Inc. and its subsidiaries unless the context suggests otherwise. These terms are used for convenience only and are not intended as a precise description of any separate legal entity within Enbridge. Unless otherwise specified, all dollar amounts are expressed in Canadian dollars; all references to "dollars," "\$" or "C\$" are to Canadian dollars and all references to "US\$" are to United States dollars. All amounts are provided on a before-tax basis, unless otherwise stated.

# ESG data

## Governance<sup>1</sup>

	2020	2019	2018
<b>Board diversity</b>			
Men	7	8	9
Women	4	5	4
<b>Board tenure</b>			
<5 years	6	7	7
5-10 years	3	3	3
>10 years	2	3	3

<sup>1</sup> In the table, the 2018 and 2019 data is as at the date of the respective year's Proxy Statement and the 2020 data is as at July 31, 2020.

# Greenhouse gas emissions<sup>1</sup>

		2019	2018	2017
<b>Scope 1<sup>2</sup> (tonnes of carbon dioxide equivalent - tCO<sub>2</sub>e)</b>				
Liquids Pipelines		24,000	18,000	21,000
Gas Transmission and Midstream		5,985,000	9,151,000	9,392,000
Gas Distribution and Storage		956,000	869,000	797,000
Renewable Power Generation		300	200	200
Corporate Services		4,400	4,200	4,400
<b>Total</b>		<b>6,969,000</b>	<b>10,042,000</b>	<b>10,214,000</b>
<b>Scope 2<sup>3</sup> (tCO<sub>2</sub>e)</b>				
Liquids Pipelines		5,818,000	5,864,000	5,395,000
Gas Transmission and Midstream		663,000	912,000	1,032,000
Gas Distribution and Storage		1,000	2,000	3,000
Renewable Power Generation		1,000	0	1,000
Corporate Services		19,000	7,000	6,000
<b>Total</b>		<b>6,501,000</b>	<b>6,786,000</b>	<b>6,436,000</b>
<b>Scope 3<sup>4</sup> (tCO<sub>2</sub>e)</b>				
Grid loss	Canada	222,000	240,000	212,000
	U.S.	174,000	179,000	179,000
	<b>Total</b>	<b>396,000</b>	<b>419,000</b>	<b>391,000</b>
Employee business air travel		6,600	7,200	7,100
Utility customers' natural gas consumption	Gas Distribution and Storage	53,100,000	49,500,000	46,500,000
<b>Methane<sup>5</sup> (tCO<sub>2</sub>e)</b>				
Gas Transmission and Midstream		974,208	1,149,361	1,553,441
Gas Distribution and Storage		556,411	503,382	507,149
<b>Total</b>		<b>1,530,619</b>	<b>1,652,742</b>	<b>2,060,590</b>
<b>Demand side management (billion m<sup>3</sup>)</b>				
Utility customer cumulative natural gas savings since 1995		30.0	27.6	25.2

<sup>1</sup> Our emissions are reported based on operational control. As part of the assurance process, we've made some changes in methodology or emissions factors. Therefore, certain 2018 data has been revised, including Gas Transmission and Midstream Scope 1 emissions, Liquids Pipelines and Gas Transmissions and Midstream Scope 2 emissions, Utility customers' natural gas consumption Scope 3 emissions, and Gas Transmission and Midstream methane emissions. No changes have been made for 2017 data. Amounts may not equal totals due to rounding.

<sup>2</sup> Scope 1 includes emissions that result directly from our operations such as stationary fuel combustion, fugitive and vented emissions. We include certain minor emission sources such as fuel usage for site and regional offices, vehicles and aircraft, where data is available. Offshore assets and other minor sources are not included in the report; however, these emissions are determined to not be material. Scope 1 emissions calculation follows Enbridge internal GHG reporting methodology, which is guided by regulatory reporting requirements and GHG protocol. In 2019, our absolute Scope 1 emissions reduced significantly mainly due to the divestment of our gas gathering and processing assets.

<sup>3</sup> Scope 2 includes emissions that result from purchased and imported electricity consumption. Our Scope 2 emissions mainly result by the electricity consumption at our pump stations. We also include the electricity usage for our site and regional offices when there are data available. Offshore assets and other small source emissions are not included in the report; however, those emissions are minor and determined as non-material.

<sup>4</sup> We currently only report Scope 3 emissions related directly to our operations and our utility customers' natural gas use. We provide high-level estimate of the Scope 3 emissions resulting from transmission and distribution losses from our electricity usage.

<sup>5</sup> Liquids Pipelines operations are not a major source of methane emissions.

# Environment<sup>1</sup>

		2019	2018	2017
<b>Criteria Air Contaminants</b> (tonnes) <sup>1</sup>				
Nitrogen Oxide (NOx)		10,955	18,086	17,105
Sulfur Dioxide (SO <sub>2</sub> )		100	6,755	8,485
Volatile Organic Compounds (VOCs)		4,727	6,028	5,954
Particulate Matter 2.5 (PM2.5)		236	268	263
Particulate Matter 10 (PM10)		231	262	715
Total Particulate Matter		230	285	2,144
Carbon Monoxide (CO)		3,694	6,956	7,904
<b>Breakout by business unit</b> (tonnes)				
Liquids Pipelines	NOx	277	202	38
	SO <sub>2</sub>	0	0	0
	VOCs	3,042	3,272	3,432
	PM2.5	9	7	55
	PM10	9	7	513
	TPM	7	6	1,968
	CO	134	139	2
Gas Transmission and Midstream	NOx	9,796	17,166	16,455
	SO <sub>2</sub>	100	6,755	8,484
	VOCs	1,474	2,526	2,487
	PM2.5	227	259	206
	PM10	223	254	199
	TPM	224	278	175
	CO	3,294	6,643	7,623
Gas Distribution and Storage	NOx	882	718	612
	SO <sub>2</sub>	0	0	0
	VOCs	210	230	36
	PM2.5	0	1	2
	PM10	0	1	2
	TPM	0	0	1
	CO	266	174	279



# Environment<sup>1</sup>

		2019	2018	2017
<b>Total energy consumption<sup>2</sup> (gigajoules - GJ)</b>				
Fuel		106,560,000	140,690,000	127,938,000
Electricity		44,027,000	44,749,000	41,820,000
<b>Total energy</b>		<b>150,587,000</b>	<b>185,439,000</b>	<b>169,758,000</b>
<b>Breakout by business unit<sup>2</sup> (GJ)</b>				
Liquids Pipelines	Fuel	376,000	265,000	305,000
	Electricity	38,108,000	36,906,000	34,032,000
	<b>Total</b>	<b>38,484,000</b>	<b>37,172,000</b>	<b>34,337,000</b>
Gas Transmission and Midstream	Fuel	98,434,000	133,210,000	121,839,000
	Electricity	5,688,000	7,591,000	7,526,000
	<b>Total</b>	<b>104,122,000</b>	<b>140,801,000</b>	<b>129,364,000</b>
Gas Distribution and Storage	Fuel	7,671,000	7,140,000	5,719,000
	Electricity	175,000	194,000	209,000
	<b>Total</b>	<b>7,846,000</b>	<b>7,334,000</b>	<b>5,927,000</b>
Power Operations	Fuel	5,000	3,000	3,000
	Electricity	9,000	8,000	9,000
	<b>Total</b>	<b>14,000</b>	<b>11,000</b>	<b>13,000</b>
Corporate Services	Fuel	74,000	71,000	73,000
	Electricity	46,000	50,000	44,000
	<b>Total</b>	<b>121,000</b>	<b>122,000</b>	<b>117,000</b>
<b>Water use for hydrostatic pressure testing (megaliters)</b>				
Total volumes		121	8,421	727
<b>Solid waste diversion with Gas Distribution and Storage (metric tonnes)</b>				
Solid waste sent to landfill		1,043	424	525
Solid waste diverted from landfill		1,472	794	863
<b>Solid waste diversion with Gas Transmission and Midstream (metric tonnes)</b>				
Hazardous waste		1,091	3,636	12,613
Non-hazardous waste		18,335	57,183	29,583
<b>Total recyclables</b>		<b>4,131</b>	<b>7,790</b>	<b>82,093</b>

<sup>1</sup> Our CACs are reported based on operational control. As part of the assurance process, we've made some changes in methodology or emissions factors. The changes result in an update on all our reported 2018 CAC numbers. Our approach to CAC reporting varies across business units, geographies and equipment types because of differing regulatory requirements, differences in data availability, and selection of emissions factors or calculation methodologies. Variation in approaches can impact comparability between BUs. We include VOC emissions from the major emissions sources, including sources that might not be required for regulatory reporting. The reported PM (PM2.5, PM10 and TPM) numbers have been reduced because road dust related PM are removed from Liquids Pipelines due to data availability and to maintain consistency between business units. No changes have been made to 2017 data.

<sup>2</sup> Amounts may not equal totals due to rounding.

## Renewable energy<sup>1</sup>

	2019	2018 <sup>2</sup>	2017
Total net renewable energy capacity (megawatts - MW)	1,751	1,751	2,556
Number of renewable power generation facilities	31	31	31
<b>Net renewable energy capacity (MW)</b>			
Wind projects	1,647	1,647	2,377
Solar energy operations	77	77	152
Geothermal project	9	9	9
Waste heat recovery facilities	17	17	17
Hydroelectric facility	1	1	1
<b>Total</b>	<b>1,751</b>	<b>1,751</b>	<b>2,556</b>

<sup>1</sup> Under construction and in operation – in which we have an ownership interest

<sup>2</sup> In 2018, Enbridge sold an interest in select North American renewable power projects and European offshore wind projects to the Canada Pension Plan Investment Board.



# Health and safety

	2019	2018	2017
<b>Personal injuries and illnesses</b>			
Number of employee hours worked	21,719,084	23,122,345	26,339,415
Number of employee days away incidents	13	18	21
Employee days away restrictions and transfers frequency <sup>1</sup>	0.32	0.33	0.41
Number of employee days away	511	371	552
Employee days away incident severity <sup>2</sup>	4.71	3.21	4.19
Number of employee recordable incidents	81	80	95
Employee total recordable incident frequency <sup>3</sup>	0.75	0.69	0.72
Number of contractor hours worked	24,140,539	43,573,070	42,668,256
Number of contractor days away incidents	10	31	26
Contractor days away restrictions and transfers frequency <sup>1</sup>	0.26	0.27	0.29
Number of contractor recordable incidents	71	120	168
Contractor total recordable incident frequency <sup>3</sup>	0.59	0.55	0.79
<b>Absenteeism</b>			
Number of employees	11,212	11,702	12,744
Number of days absent	20,540	49,109	64,868
Absenteeism <sup>4</sup>	1.83	4.20	5.09
<b>Employee motor vehicle incidents</b>			
Number of kilometers driven	107,008,397	117,691,223	126,369,086
Number of contributory motor vehicle incidents	128	150	163
Contributory motor vehicle incident frequency <sup>5</sup>	1.20	1.27	1.29
<b>Safety observations</b>			
Total safety observations	51,271	114,225	48,157
<b>Fatalities</b>			
Employee fatalities	0	1	0

<sup>1</sup> Days away injuries/200,000 hours worked

<sup>2</sup> Total number of lost days from injury or illness x 200,000/total hours worked

<sup>3</sup> Total recordable incident frequency is the number of recordable incidents x 200,000/hours worked

<sup>4</sup> Number of days absent per employee

<sup>5</sup> Motor vehicle incident frequency is the number of contributory incidents x 1,000,000/kms drive

## Asset integrity

	2019	2018	2017
Pipeline inspections on our liquids and natural gas pipelines and distribution networks	38,377	29,153	26,719
<b>Number and volume of process safety events (Tier 1<sup>1</sup> and Tier 2<sup>2</sup>)</b>			
Reportable Tier 1 and 2 process safety events (liquids and liquids systems)	7	14	13
Volume of reportable Tier 1 and 2 liquids spills (barrels)	214	411	8,470
Volume of reportable off-property Tier 1 and 2 liquids spills (barrels)	106	157	7,086
Reportable Tier 1 and Tier 2 natural gas releases	27	26	34
<b>Emergency preparedness exercises</b>			
Drills, exercises and equipment deployments	225	315	365

<sup>1</sup> Tier 1 events are unplanned and/or uncontrolled commodity releases that result in either a significant consequences and/or higher release volumes. These events may result in a serious injury to a person, an officially declared community evacuation or shelter in place, a fire or an explosion.

<sup>2</sup> Other reportable incidents, termed Tier 2 events, are unplanned and/or uncontrolled commodity releases with lesser consequences. These events may result in a minor injury to a person, a fire or explosion that can be contained and extinguished with little to no damage, or localized environmental damage.

## Indigenous inclusion

	2019	2018	2017
<b>Indigenous spend<sup>1</sup> (\$ millions)</b>			
Liquids Pipelines	171	322	136
Gas Transmission and Midstream	26	61	70
Gas Distribution and Storage	6	8	11
<b>Total</b>	<b>203</b>	<b>391<sup>2</sup></b>	<b>217</b>

<sup>1</sup> Indigenous spend includes contracting, both direct from Enbridge and indirect sub-contracting opportunities, and wages paid to Indigenous workers. In 2019, Indigenous spend in operations came to \$56.2M and \$143.3M in projects.

<sup>2</sup> Comparative retrospectively adjusted to reflect a prior period revision.

## Corporate citizenship

	2019	2018	2017
<b>Contributions to communities</b> (\$ millions)			
Safety	4.2	2.8	2.8
Community	16.9	17.4	18.3
Environment	1.8	2.2	2.8
<b>Total</b>	<b>22.9</b>	<b>22.4</b>	<b>23.9</b>

## Economic impact

	2019	2018	2017
<b>Year ended December 31</b> (unaudited)			
Total assets (\$ millions)	163,269	166,905	162,093
Operating revenues (\$ millions)	50,069	46,378	44,378
Generally accepted accounting principles (GAAP) earnings attributable to common shareholders(\$ millions)	5,322	2,515	2,529
GAAP earnings per share (\$)	2.64	1.46	1.66
Adjusted earnings per common share <sup>1</sup> (\$)	2.65	2.65	1.96
Adjusted earnings before interest, taxes, depreciation and amortization (EBITDA) <sup>1</sup> (\$ millions)	13,271	12,849	10,317
Distributable cash flow (DCF) <sup>1</sup> (\$ millions)	9,224	7,618	5,614
DCF per common share <sup>1</sup> (\$)	4.57	4.42	3.68
Weighted average shares outstanding (number of shares in millions)	2,017	1,724	1,525
Dividends paid per common share (\$)	2.95	2.68	2.41

<sup>1</sup> Includes adjustments for unusual, non-recurring or non-operating factors. Schedules reconciling adjusted EBITDA, adjusted earnings, adjusted earnings per common share and DCF are available at [Enbridge.com](http://Enbridge.com).

## Supply chain

	2019 <sup>1</sup>	2018	2017
Total spend (\$ billions)	9	11	12
<b>Total spend by country (%)</b>			
Canada	55	32	44
U.S.	45	68	56
Europe, Asia, Australia and South America	<1	<1	<1
<b>Tonnes of steel pipe purchased/percent sourced from recycled steel</b>			
Liquids Pipelines	1,900/52	77,469/97	119,200/95
Gas Transmission and Midstream	1,000/0	19,517/35	See note <sup>2</sup>
Gas Distribution and Storage <sup>3</sup>	4,551/91	N/A	N/A
Enbridge Gas Distribution	N/A	389/97	1,624/89
Union Gas	N/A	7,047/82	12,130/12
<b>Indigenous spend<sup>4</sup> (\$ millions)</b>			
Liquids Pipelines	171	322	136
Gas Transmission and Midstream	26	61	70
Gas Distribution and Storage	6	8	11
<b>Total</b>	<b>203</b>	<b>391<sup>5</sup></b>	<b>217</b>

<sup>1</sup> Spend in 2019 includes corporate card spend, not included in previous years.

<sup>2</sup> Gas Transmission and Midstream spend in 2016 and 2017 is combined under Liquids Pipelines. For 2018, this has been separated to align with our current business model.

<sup>3</sup> In 2019, Enbridge Gas Distribution and Union Gas were amalgamated to form Gas Distribution and Storage.

<sup>4</sup> Indigenous spend includes contracting, both direct from Enbridge and indirect sub-contracting opportunities, and wages paid to Indigenous workers. In 2019, Indigenous spend in operations came to \$56.2M and \$143.3M in projects.

<sup>5</sup> Comparative retrospectively adjusted to reflect a prior period revision.

# Workforce<sup>1</sup>

	2019		2018		2017	
<b>Total workforce</b>						
Employees (regular/temporary) and contractors	13,056		13,647		15,228	
	Female	Male	Female	Male	Female	Male
Permanent	3,471	7,741	3,542	8,160	3,829	8,915
Temporary	69	75	114	90	110	94
Total regular and temporary employees	11,356		11,906		12,948	
<b>Total workforce by region</b>						
Total regular employees	11,212		11,702		12,744	
Canada	7,786		8,343		8,541	
U.S.	3,426		3,359		4,203	
<b>Workforce diversity (%)</b>						
Female representation in the workforce	31		30		30	
Female employees in Canada	35		34		34	
Female employees in U.S.	21		21		22	
Females in supervisor or team lead positions	26		28		28	
Females in manager or director level positions	28		28		27	
Females in VP and above positions	24		23		22	
Ethnic and racial minority groups	19		16		15	
Ethnic and racial minority leadership levels	17		12		13	
Persons with disabilities	3		2		2	
Veterans (U.S. only)	4		4		2	
<b>Management level</b>						
	Female	Male	Female	Male	Female	Male
Chief Executive Officer (CEO)	0	1	0	1	0	1
Executive leadership	1	7	1	6	2	6
Vice President	18	53	17	55	17	60
Director	72	173	72	180	71	209
Manager	195	422	222	596	73	190
Supervisor/Team lead	271	768	801	2,069	767	1,964
Individual contributor	2,914	6,317	2,429	5,253	2,899	6,485
<b>Employee age profile</b>						
	Female	Male	Female	Male	Female	Male
Up to 30	265	680	312	745	371	843
31-40	1,049	2,410	993	2,510	1,088	2,662
41-50	1,004	2,107	1,035	2,151	1,102	2,329
51-60	913	1,890	963	2,066	1,020	2,302
61 and above	240	654	239	688	248	779

<sup>1</sup> Data is representative of total permanent employees.

	2019	2018	2017			
<b>Male to female base salary ratios (%)</b>						
Level 1	94.5	97.0	99.3			
Level 2	99.2	99.9	101.7			
Level 3	101.9	102.1	99.8			
Level 4	102.2	101.6	103.5			
Level 5	103.9	103.1	102.3			
Level 6	105.6	103.8	102.9			
<b>Compensation (\$)</b>						
Projected benefit obligation of defined benefit pension at year-end	5,676,000,000	5,211,000,000	5,312,000,000			
Fair value of plan assets of defined benefit pension plans at year-end	4,931,000,000	4,568,000,000	4,716,000,000			
Amount spent towards employee defined contribution pension plans	27,000,000	30,000,000	26,000,000			
<b>Net employment creation</b>						
Net employment creation for permanent employees	-490	-1,042	-961			
Net employment creation (%)	-4.2	-8.2	-7.0			
<b>Employee turnover rate (%)</b>						
Total employee turnover rate	7.7	11.5	11.3			
Voluntary employee turnover rate	3.1	5.1	3.9			
<b>Return to work and retention rates following parental leave</b>						
	Female	Male	Female	Male	Female	Male
Number of employees who took parental leave	122	63	130	32	131	27
Number of employees who returned to work following parental leave	118	28	96	29	150	20
Number of employees who returned to work following parental leave and who were still employed 12 months following	108	27	85	26	135	19
<b>Collective agreements</b>						
Permanent employees covered by negotiated collective agreements (%)	14.9	17.0	15.8			
<b>Training</b>						
Amount invested per employee in training (\$)	1,583.00	1,315.83	1,071.48			

<sup>1</sup> Data is representative of total permanent employees.

## Gas utilities and distribution

	2019	2018	2017
<b>Customers served</b>			
Residential	3,445,722	3,419,609	3,373,296
Commercial	302,963	286,735	284,673
Industrial	6,572	6,798	6,857
<b>Natural gas delivered (10<sup>3</sup> m<sup>3</sup>)</b>			
Residential	8,692,817	8,352,744	7,818,369
Commercial	7,904,401	7,633,047	7,155,601
Industrial	9,815,843	9,846,973	9,321,606
Amount transferred to a third-party	365,584	401,811	372,463
<b>Average gas retail rate for customers (\$/MMBtu)</b>			
Residential	9.8	10.2	10.1
Commercial	6.9	7.3	7.3
Industrial	5.0	5.4	5.5
<b>Typical gas bill for residential customers (\$)</b>			
50 MMBtu	51	52	52
100 MMBtu	80	83	82
<b>Residential customer gas disconnections for non-payment/percentage reconnected</b>			
Enbridge Gas	29,956/91	28,726/69	29,956/91
Union Gas	9,071/69	12,460/65	13,323/66
<b>End-use efficiency (%)</b>			
Percentage of gas utility revenues from rate structures that contain a lost revenue adjustment mechanism	31.3	N/A	N/A





KPMG LLP  
Telephone (604) 691-3000  
Internet www.kpmg.ca

## Independent Limited Assurance Report to Enbridge Inc.

We have been engaged by the management of Enbridge Inc. (the “Entity”) to undertake a limited assurance engagement, in respect of the years ended December 31, 2018 and December 31, 2019, on certain quantitative performance information disclosed in the Enbridge Inc.’s Selected Environmental Indicators Report (the “Report”) as described below.

### Subject matter information and applicable criteria

The scope of our limited assurance engagement, as agreed with management, comprises the following performance information (the ‘subject matter information):

- Scope 1 Greenhouse Gas (GHG) emissions (tCO<sub>2</sub>e)
- Scope 2 GHG emissions (tCO<sub>2</sub>e)
- Scope 3 GHG emissions (employee air travel, grid loss, customers’ natural gas usage) (tCO<sub>2</sub>e)
- Energy Consumption (fuel and electricity) (GJs)
- Criteria Air Contaminants (CAC’s): NO<sub>x</sub>, SO<sub>2</sub>, VOCs, PM<sub>2.5</sub>, PM<sub>10</sub>, TPM and CO (tonnes)

The subject matter information, contained within the Report, has been determined by management on the basis of the Entity’s assessment of the material issues contributing to Enbridge’s environmental performance and most relevant to their stakeholders.

There are no mandatory requirements for the preparation, publication or review of environmental metrics. As such, the Entity applies the World Resources Institute/World Business Council for Sustainable Development’s Greenhouse Gas Protocol Corporate Accounting and Reporting Standard (the ‘GHG Protocol’) and its own internal reporting guidelines and definitions for environmental reporting (collectively the ‘applicable criteria’) which can be found in Appendix 1 and 2 of the Report.

### Management’s responsibilities

Management is responsible for the preparation and presentation of the subject matter information in accordance with the applicable criteria, current as at the date of our report. Management is also responsible for determining the Entity’s objectives in respect of environmental performance and reporting, including the identification of stakeholders and material issues, and for establishing and maintaining appropriate performance management and internal control systems from which the reported performance information is derived.

### Our responsibility and professional requirements

Our responsibility in relation to the subject matter information is to perform a limited assurance engagement and to express a conclusion based on the work performed. We conducted our engagement in accordance with International Standard on Assurance Engagements (‘ISAE’) 3000 (Revised) *Assurance Engagements other than Audits or Reviews of Historical Financial Information* and ISAE 3410 *Assurance Engagements on Greenhouse Gas Statements*, issued by the International Auditing and Assurance Standards Board. ISAE 3000 and ISAE 3410 require that we plan and perform this engagement to obtain the stated level of assurance, in accordance with the applicable criteria.

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### **Assurance approach**

We planned and performed our work to obtain all of the evidence, information and explanations we considered necessary in order to form our conclusion as set out below. A limited assurance engagement consists of making inquiries, primarily of persons responsible for the preparation of the subject matter information, and applying analytical and other evidence gathering procedures, as appropriate. Our procedures included:

- Inquiries with relevant staff at the corporate, business unit and facility level to understand the data collection and reporting processes for the subject matter information;
- Assessment of the suitability and application of the criteria in respect of the subject matter information;
- Where relevant, performing walkthroughs of data collection and reporting processes for the subject matter information;
- Comparing a sample of the reported data for the subject matter information to underlying data sources;
- Inquiries of management regarding key assumptions and, where relevant, the re-performance of calculations;
- Completion of remote site visits to the Lilly, Wimbledon, Uniontown, Melrose, Delhi and Leamington facilities, including walkthroughs of data collection and reporting processes, interviews with senior management and relevant staff and virtual site tour; and,
- Reviewing the subject matter information presented in the Report to determine whether it is consistent with our overall knowledge of, and experience with, the environmental performance of the Entity.

The extent of evidence gathering procedures performed in a limited assurance engagement is less than that for a reasonable assurance engagement, and therefore a lower level of assurance is obtained.

### **Independence, quality control and competence**

We have complied with the independence and other ethical requirements of the Code of Ethics for Professional Accountants issued by the International Ethics Standards Board for Accountants, which is founded on fundamental principles of integrity, objectivity, professional competence and due care, confidentiality and professional behavior.

The firm applies *International Standard on Quality Control 1* and accordingly maintains a comprehensive system of quality control including documented policies and procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

The engagement was conducted by a multidisciplinary team which included professionals with suitable skills and experience in both assurance and in the applicable subject matter.

### **Inherent limitations**

Non-financial information, such as that included in the Report, is subject to more inherent limitations than financial information, given the characteristics of significant elements of the subject matter information and the availability and relative precision of methods used for determining both qualitative and quantitative information. The absence of a significant body of established practice on which to draw allows for the selection of different but acceptable measurement techniques, which can result in materially different measurements and can impact comparability. The nature and methods used to



determine such information, as described in management’s internally developed criteria, may change over time, and it is important to read the Entity’s reporting methodology included in the appendices of the Report.

**Our conclusion**

Based on the procedures performed, nothing has come to our attention that causes us to believe that for the years ended December 31, 2018 and December 31, 2019, the subject matter information, as described above, have not been prepared and presented, in all material respects, in accordance with the applicable criteria, current as at the date of our report.

**Emphasis of matter**

Without qualifying our opinion, we draw your attention to the following:

As noted in Appendix 2 of the Report, a variety of methodologies are employed by Enbridge to calculate CAC’s. Variations in approaches exist between reported CACs, geographies and equipment types, generally as a result of differing regulatory requirements and/or the application of older stack test results when calculating equipment-specific emission factors. This may result in materially different measurements and can impact comparability. It is important to read Enbridge’s methodology.

**Chartered Professional Accountants, Licensed Public Accountants**

November 16, 2020  
Vancouver, Canada

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# Selected Environmental Indicators Report

Years ended December 31, 2018 and December 31, 2019  
[November 2020]



## Selected Environmental Indicators Report

### Years ended December 31, 2018 and December 31, 2019

As part of Enbridge Inc. (Enbridge)'s continued commitment to refine our reporting methodology, we engaged KPMG in our environmental data reporting process to obtain limited assurance on reported 2018 and 2019 greenhouse gas (GHG) emissions, energy consumption and Criteria Air Contaminants (CACs) data. The following selected environmental data are included in the assurance scope. Enbridge intends to use the environmental data in our 2019 sustainability reporting.

Enbridge has calculated GHG emissions and energy consumption in accordance with the requirements of the World Resource Institute/World Business Council for Sustainable Development Greenhouse Gas Protocol *A Corporate Accounting and Reporting Standard Revised Edition* (the "GHG Protocol") and in accordance with internally developed criteria included in Appendix 1, which form an integral part of this report.

Indicator	2018	2019
Scope 1 emissions (tCO <sub>2</sub> e <sup>1</sup> )	10,042,000	6,969,000
Scope 2 emissions (tCO <sub>2</sub> e <sup>1</sup> )	6,786,000	6,501,000
Scope 3 emissions (tCO <sub>2</sub> e <sup>1</sup> )	49,926,200	53,502,600
Energy consumption (GJ)	185,439,000	150,587,000

<sup>1</sup>Emissions data is collected for CO<sub>2</sub>, CH<sub>4</sub> and N<sub>2</sub>O in metric tonnes and converted to tonnes of CO<sub>2</sub> equivalent. Data is not available for HFCs, PFCs or SF<sub>6</sub> and is expected to be immaterial.

Enbridge has calculated criteria air contaminants (CACs) in accordance with internally developed criteria included in Appendix 2, which form an integral part of this report.

Indicator	2018	2019
NOx (tonnes)	18,086	10,955
SO <sub>2</sub> (tonnes)	6,755	100
VOCs (tonnes)	6,028	4,727
PM2.5 (tonnes)	268	236
PM10 (tonnes)	262	231
TPM (tonnes)	285	230
CO (tonnes)	6,956	3,694

A detailed breakdown of the above environmental data by business unit and geography can be found in our 2019 ESG Datasheet found on our [website](#).

## Appendix 1

### Greenhouse gas (GHG) and energy consumption reporting evaluation criteria

- Enbridge has selected the Operational Control approach to define its organizational boundaries and includes all material sources and sinks associated with its facilities and operations that it exercises direct operational control over.
- Enbridge reports Scope 1 (direct emissions from operations such as stationary fuel combustion, mobile combustion, fugitive, flaring and vented emissions), Scope 2 (indirect emissions from purchased and imported electricity consumption) and Scope 3 (selected indirect emissions related to our operations: utility customers' natural gas use, business travel and transmission and distribution losses from our electricity usage) emissions;
- Scope 1 emissions are calculated using activity data (e.g. fuel consumption data from meters, gas loss database) multiplied by a calculated emission factor or applicable regulated default emission factors.
- Scope 2 emissions are calculated using current average U.S. Environmental Protection Agency's Emissions & Generation Resource Integrated Database (eGRID) factors (for US facilities) and Environment and Climate Change Canada's National Inventory Report (NIR) factors (for Canadian facilities).
- Scope 3 emissions are calculated from the following activity data: utility natural gas sales volumes, flight records and purchased electricity multiplied by default emission factors from NIR, US Environmental Protection Agency and eGRID.
- Enbridge's selected base year is 2018. Our base year recalculation policy is to recalculate our base year for any significant changes which meet our significance threshold of 15% of combined Scope 1 and 2 base year emissions, or have significant structure changes include major acquisitions, major divestments, and mergers.
- Energy consumption for fuel and purchased electricity is reported in GJ. Fuel consumption includes all types of fuels Enbridge's operations consumes, including natural gas, diesel, gasoline, propane and jet fuel. Fuel consumption is based on a combination of invoiced amounts provided by third party suppliers, meter readings and system generated reports. Electricity consumption includes the total power consumed during operations. Electricity consumption is based on invoiced amounts provided by third party suppliers. The consumption data is converted using predetermined energy conversion factors.
- Offshore assets and other immaterial sources such as natural gas and electricity usage for internal purposes at compressor stations are excluded from reporting.

## Appendix 2

### Criteria Air Contaminants (CACs) reporting evaluation criteria

- CAC data is reported for carbon monoxide (CO), nitrogen oxides (NO<sub>x</sub>), volatile organic compounds (VOCs), sulfur dioxide (SO<sub>2</sub>), and particulate matter (PM<sub>2.5</sub>, PM<sub>10</sub> and TPM).
- Enbridge has selected the Operational Control approach to define its organizational boundaries and includes all material sources and sinks associated with its facilities and operations that it exercises direct operational control over.
- Enbridge's business consists of the following business units (BU's) which are referenced in the CAC reporting evaluation criteria as follows: Liquid Pipelines (LP), Gas Transmission and Midstream (GTM) and Gas Distribution and Storage (GDS).
- Enbridge's approach to CAC reporting varies across BU's, geographies and equipment types because of differing regulatory requirements, differences in data availability, and selection of emission factors or calculation methodologies. Variation in approaches can impact comparability between BUs.

#### Emission factors:

- GTM US: a variety of methodologies are employed to calculate CACs for GTM US. Variations in approaches exist throughout the reported data, which is the result of different regulatory requirements and/or the application of older stack test results when calculating equipment-specific emission factors and may result in materially different measurements. The variety of emission factors applied are described below:
  - Stack tests: Used to calculate steady-state emission factors for each major equipment (turbines/engines) at different points in time, based on regulatory requirements. The date of the stack tests used to calculate CACs vary from 2016-2019.
  - Manufacturer data: Manufacturer guaranteed emission factors which are also provided in regulatory permit applications.
  - Engineering estimates: Manufacturer data is used as a starting point for engineering estimates of emission factors that are also provided in regulatory permit applications.
  - US EPA AP-42: US EPA AP-42 data is applied for emission factor calculations also based on regulatory permit applications to regulators.
- GTM Canada, LP and GDS: CAC calculations are based on current regulated emission factors from the applicable jurisdiction.

#### Activity data sources:

- CACs are calculated using activity data such as metered fuel consumption, metered gas loss and engineering estimated gas loss and components.

#### Emission sources:

- VOCs: includes emissions from fuel combustion, storage/handling, venting and flaring, where relevant. VOCs from material fugitives are included. VOCs from dry gas seals in use in GTM US have been excluded as they are not a regulated source in the US, therefore accurate data is not available to calculate associated emissions. It is estimated that the impact of this exclusion would be below 5% of total reported VOCs.
- CO: includes emissions from fuel combustion but excludes flaring, as it is an immaterial source.
- NO<sub>x</sub>, PM and SO<sub>2</sub>: includes emissions from fuel combustion and flaring in GTM Canada. Flaring has been excluded for other business units as it is an immaterial source. Road dust related PM (PM<sub>2.5</sub>, PM<sub>10</sub> and TPM) are excluded from the reported figures due to the limitations associated with available data and to maintain consistency between BUs.



## Forward-looking information and non-GAAP financial measures

This ESG datasheet contains forward-looking statements and information (FLI) to provide potential investors and shareholders of Enbridge with information about Enbridge and its subsidiaries and affiliates, including management's assessment of their future plans and operations, which FLI may not be appropriate for other purposes. FLI is typically identified by words such as "anticipate", "expect", "project", "estimate", "forecast", "plan", "intend", "target", "believe", "likely" and similar words suggesting future outcomes or statements regarding an outlook. All statements other than statements of historical fact may be FLI. By its nature this information involves certain assumptions and expectations about future outcomes, so we remind you it is subject to risks and uncertainties that affect our business. The more significant assumptions, factors, uncertainties and risks that might affect our future outcomes are listed and discussed in applicable filings with Canadian and U.S. securities regulators (including in the "Forward-Looking Information" and "Risk Factors" sections of our most recently filed Form 10-K and any subsequently filed Form 10-Q) available on Enbridge's website and on EDGAR at [www.sec.gov](http://www.sec.gov) and SEDAR at [www.sedar.com](http://www.sedar.com) under Enbridge's profile. Except to the extent required by applicable law, we assume no obligation to publicly update or revise any FLI made in this document or otherwise, whether as a result of new information, future events or otherwise. All FLI in this document and all subsequent FLI, whether written or oral, attributable to Enbridge or persons acting on its behalf, are expressly qualified in its entirety by these cautionary statements.

This document also makes reference to non-GAAP financial measures, including adjusted earnings before interest, taxes, depreciation and amortization, adjusted earnings per common share, distributable cash flow (DCF) and DCF per common share. Management believes the presentation of these metrics gives useful information to investors and shareholders as they provide increased transparency and insight into the performance of the Company. These measures are not measures that have a standardized meaning prescribed by generally accepted accounting principles in the United States of America (U.S. GAAP) and may not be comparable with similar measures presented by other issuers. A reconciliation of non-GAAP measures to the most directly comparable GAAP measures is available on Enbridge's website. Additional information on non-GAAP measures may be found in Enbridge's earnings news releases on Enbridge's website and on EDGAR at [www.sec.gov](http://www.sec.gov) and SEDAR at [www.sedar.com](http://www.sedar.com) under Enbridge's profile.

## Contact us

If you have any inquiries concerning the 2019 ESG Datasheet, please contact [csr@enbridge.com](mailto:csr@enbridge.com).

If you have any investment-related inquiries, please contact Enbridge Investor Relations at [investor.relations@enbridge.com](mailto:investor.relations@enbridge.com) or toll-free 1-800-481-2804.

Enbridge Inc.  
200, 425 - 1 Street S.W.  
Calgary, Alberta, Canada T2P 3L8  
Telephone: 1-403-231-3900  
Facsimile: 1-403-231-3920