

2019 ESG Datasheet

October 13, 2020



➤ Lambertville, NJ solar installation

Contents



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.

3 Introduction

- 3 Corporate reports
- 3 Sustainability policies
- 3 Note to users

4 ESG data

- 4 Governance
- 5 Greenhouse gas emissions
- 6 Environment
- 7 Renewable energy
- 8 Health and Safety
- 9 Asset integrity
- 9 Indigenous inclusion
- 10 Corporate citizenship
- 10 Economic impact
- 11 Supply chain
- 12 Workforce
- 14 Gas utilities and distribution
- 15 Forward-looking information and non-GAAP financial measures
- 15 Contact us

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.

 [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

Governance¹

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

¹ 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 emissions¹

		2019	2018	2017
Scope 1² (tonnes of carbon dioxide equivalent - tCO₂e)				
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
Total		6,969,000	10,042,000	10,214,000
Scope 2³ (tCO₂e)				
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
Total		6,501,000	6,786,000	6,436,000
Scope 3⁴ (tCO₂e)				
Grid loss	Canada	222,000	240,000	212,000
	U.S.	174,000	179,000	179,000
	Total	396,000	419,000	391,000
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
Methane⁵ (tCO₂e)				
Gas Transmission and Midstream		974,208	1,149,361	1,553,441
Gas Distribution and Storage		556,411	503,382	507,149
Total		1,530,619	1,652,742	2,060,590
Demand side management (billion m³)				
Utility customer cumulative natural gas savings since 1995		30.0	27.6	25.2

¹ 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.

² 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.

³ 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.

⁴ 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.

⁵ Liquids Pipelines operations are not a major source of methane emissions.

Environment¹

		2019	2018	2017
Total energy consumption² (gigajoules - GJ)				
Fuel		106,560,000	140,690,000	127,938,000
Electricity		44,027,000	44,749,000	41,820,000
Total energy		150,587,000	185,439,000	169,758,000
Breakout by business unit² (GJ)				
Liquids Pipelines	Fuel	376,000	265,000	305,000
	Electricity	38,108,000	36,906,000	34,032,000
	Total	38,484,000	37,172,000	34,337,000
Gas Transmission and Midstream	Fuel	98,434,000	133,210,000	121,839,000
	Electricity	5,688,000	7,591,000	7,526,000
	Total	104,122,000	140,801,000	129,364,000
Gas Distribution and Storage	Fuel	7,671,000	7,140,000	5,719,000
	Electricity	175,000	194,000	209,000
	Total	7,846,000	7,334,000	5,927,000
Power Operations	Fuel	5,000	3,000	3,000
	Electricity	9,000	8,000	9,000
	Total	14,000	11,000	13,000
Corporate Services	Fuel	74,000	71,000	73,000
	Electricity	46,000	50,000	44,000
	Total	121,000	122,000	117,000
Water use for hydrostatic pressure testing (megaliters)				
Total volumes		121	8,421	727
Solid waste diversion with Gas Distribution and Storage (metric tonnes)				
Solid waste sent to landfill		1,043	424	525
Solid waste diverted from landfill		1,472	794	863
Solid waste diversion with Gas Transmission and Midstream (metric tonnes)				
Hazardous waste		1,091	3,636	12,613
Non-hazardous waste		18,335	57,183	29,583
Total recyclables		4,131	7,790	82,093

¹ As part of the assurance process, we've made some changes in methodology or emissions factors. Therefore, certain 2018 data has been revised, including electricity consumption for Liquids Pipeline, and fuel consumption and electricity consumption for Gas Transmission and Midstream. No changes have been made for 2017 data. We continue to review our reporting methodology and are developing a harmonized plan for criteria air contaminants (CAC) reporting. We will update the datasheet with our CAC table after third-party assurance is complete.

² Amounts may not equal totals due to rounding.

Renewable energy¹

	2019	2018 ²	2017
Total net renewable energy capacity (megawatts - MW)	1,751	1,751	2,556
Number of renewable power generation facilities	31	31	31
Net renewable energy capacity (MW)			
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
Total	1,751	1,751	2,556

¹ Under construction and in operation – in which we have an ownership interest

² 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
Personal injuries and illnesses			
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 ¹	0.32	0.33	0.41
Number of employee days away	511	371	552
Employee days away incident severity ²	4.71	3.21	4.19
Number of employee recordable incidents	81	80	95
Employee total recordable incident frequency ³	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 ¹	0.26	0.27	0.29
Number of contractor recordable incidents	71	120	168
Contractor total recordable incident frequency ³	0.59	0.55	0.79
Absenteeism			
Number of employees	11,212	11,702	12,744
Number of days absent	20,540	49,109	64,868
Absenteeism ⁴	1.83	4.20	5.09
Employee motor vehicle incidents			
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 ⁵	1.20	1.27	1.29
Safety observations			
Total safety observations	51,271	114,225	48,157
Fatalities			
Employee fatalities	0	1	0

¹ Days away injuries/200,000 hours worked

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

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

⁴ Number of days absent per employee

⁵ 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
Number and volume of process safety events (Tier 1¹ and Tier 2²)			
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
Emergency preparedness exercises			
Drills, exercises and equipment deployments	225	315	365

¹ 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.

² 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
Indigenous spend¹ (\$ millions)			
Liquids Pipelines	171	322	136
Gas Transmission and Midstream	26	61	70
Gas Distribution and Storage	6	8	11
Total	203	391²	217

¹ 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.

² Comparative retrospectively adjusted to reflect a prior period revision.

Corporate citizenship

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

Economic impact

	2019	2018	2017
Year ended December 31 (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 ¹ (\$)	2.65	2.65	1.96
Adjusted earnings before interest, taxes, depreciation and amortization (EBITDA) ¹ (\$ millions)	13,271	12,849	10,317
Distributable cash flow (DCF) ¹ (\$ millions)	9,224	7,618	5,614
DCF per common share ¹ (\$)	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

¹ 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.

Supply chain

	2019 ¹	2018	2017
Total spend (\$ billions)	9	11	12
Total spend by country (%)			
Canada	55	32	44
U.S.	45	68	56
Europe, Asia, Australia and South America	<1	<1	<1
Tonnes of steel pipe purchased/percent sourced from recycled steel			
Liquids Pipelines	1,900/52	77,469/97	119,200/95
Gas Transmission and Midstream	1,000/0	19,517/35	See note ²
Gas Distribution and Storage ³	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
Indigenous spend⁴ (\$ millions)			
Liquids Pipelines	171	322	136
Gas Transmission and Midstream	26	61	70
Gas Distribution and Storage	6	8	11
Total	203	391⁵	217

¹ Spend in 2019 includes corporate card spend, not included in previous years.

² 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.

³ In 2019, Enbridge Gas Distribution and Union Gas were amalgamated to form Gas Distribution and Storage.

⁴ 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.

⁵ Comparative retrospectively adjusted to reflect a prior period revision.

Workforce¹

	2019		2018		2017	
Total workforce						
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	
Total workforce by region						
Total regular employees	11,212		11,702		12,744	
Canada	7,786		8,343		8,541	
U.S.	3,426		3,359		4,203	
Workforce diversity (%)						
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	
Management level						
	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
Employee age profile						
	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

¹ Data is representative of total permanent employees.

	2019		2018		2017	
Male to female base salary ratios (%)						
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	
Compensation (\$)						
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	
Net employment creation						
Net employment creation for permanent employees	-490		-1,042		-961	
Net employment creation (%)	-4.2		-8.2		-7.0	
Employee turnover rate (%)						
Total employee turnover rate	7.7		11.5		11.3	
Voluntary employee turnover rate	3.1		5.1		3.9	
Return to work and retention rates following parental leave						
	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
Collective agreements						
Permanent employees covered by negotiated collective agreements (%)	14.9		17.0		15.8	
Training						
Amount invested per employee in training (\$)	1,583.00		1,315.83		1,071.48	

¹ Data is representative of total permanent employees.

Gas utilities and distribution

	2019	2018	2017
Customers served			
Residential	3,445,722	3,419,609	3,373,296
Commercial	302,963	286,735	284,673
Industrial	6,572	6,798	6,857
Natural gas delivered (10³ m³)			
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
Average gas retail rate for customers (\$/MMBtu)			
Residential	9.8	10.2	10.1
Commercial	6.9	7.3	7.3
Industrial	5.0	5.4	5.5
Typical gas bill for residential customers (\$)			
50 MMBtu	51	52	52
100 MMBtu	80	83	82
Residential customer gas disconnections for non-payment/percentage reconnected			
Enbridge Gas	29,956/91	28,726/69	29,956/91
Union Gas	9,071/69	12,460/65	13,323/66
End-use efficiency (%)			
Percentage of gas utility revenues from rate structures that contain a lost revenue adjustment mechanism	31.3	N/A	N/A

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 and SEDAR at 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 and SEDAR at www.sedar.com under Enbridge's profile.

Contact us

If you have any inquiries concerning the 2019 ESG Datasheet, please contact csr@enbridge.com.

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