Enbridge Inc. - Water Security 2023

W0. Introduction

W0.1

(W0.1) Give a general description of and introduction to your organization.

Enbridge is a leading North American energy infrastructure company and is a continental leader in energy delivery—connecting people to the energy they need, safely and reliably. We own and operate a diversified portfolio of complementary energy assets that includes crude oil, liquids and natural gas pipelines, storage of natural gas, natural gas distribution utilities and renewable power generation assets. Headquartered in Calgary, Alberta, Canada, we operate in 40 states in the U.S., eight Canadian provinces and have renewable investments in Europe. Our success is driven by our approximately 11,100 employees and their steadfast commitment to safety, environmental integrity, responsible operations, and respect in support of our communities.

We recognize that climate change is a global issue, and as the world transitions to lower emission energy sources, we have responded with a multi-pronged climate change strategy. Our strategy is focused on improving the carbon performance of our existing operations and critical infrastructure, diversifying our asset mix by expanding our investment in lower-emissions and zero-carbon sources of energy, natural gas and renewables, and bringing safe reliable low-cost and low-carbon solutions to scale in North America.

As a transporter of energy, Enbridge operates the world's longest liquids transportation system. We safely deliver more than 3 million barrels of crude oil a day—approximately 30 percent of the crude oil produced in North America. We provide transmission and storage of natural gas to customers in various regions of the North-eastern and South-eastern U.S., the Maritime Provinces in Canada and the Pacific Northwest in the U.S. and Canada, and in the Province of Ontario. Our natural gas network moves nearly 20 percent of natural gas consumed in the U.S. We are also one of the largest gas transporters in the Gulf of Mexico where we have 11 active natural gas transmission and gathering pipelines. These pipelines handle more than 40 percent of offshore natural gas production, and more than 50 percent of deep-water natural gas production. As a distributor of energy, we also provide natural gas sales and distribution services to about 3.9 million retail customers in Ontario and Quebec through our natural gas distribution business.

Our renewable energy portfolio includes onshore and offshore wind, solar and geothermal projects in North America and Europe. We have over 2,100 megawatts (MW) of net renewable generation capacity, based on projects in operation or under construction; enough energy to power over 960,000 homes. In 2019, Maple Power Ltd, a joint venture between Enbridge and Canada Pension Plan Investment Board (CPPIB) was established with the objective of investing in and managing offshore wind projects in Europe. The projects are in phases ranging from early development, late development, construction or operational. The joint venture is domiciled in the United Kingdom, with staff based in London and Paris.

Our activities are carried out through our four core businesses: Liquids Pipelines (LP), Natural Gas Pipelines, Gas Utilities and Storage, and Renewable Energy. In this response, Enbridge accounts for 2022 energy consumption and greenhouse gas (GHG) emissions for the company's business segments where Enbridge has operational control: GTM, GDS, LP, and Renewable Power Generation. In addition, we include energy consumption and GHG emissions data for our Corporate Services, which covers Enbridge's corporate head office in Calgary, Alberta and our Houston, Texas office operations, and which provide centralized company-wide services and management.

W-OG0.1a

(W-OG0.1a) Which business divisions in the oil & gas sector apply to your organization?

Midstream/Downstream

W0.2

(W0.2) State the start and end date of the year for which you are reporting data.

	Start date	End date
Reporting year	January 1 2022	December 31 2022

W0.3

(W0.3) Select the countries/areas in which you operate.

Canada
France
Germany
United Kingdom of Great Britain and Northern Ireland
United States of America

W0.4

(W0.4) Select the currency used for all financial information disclosed throughout your response.

CAD

W0.5

(W0.5) Select the option that best describes the reporting boundary for companies, entities, or groups for which water impacts on your business are being reported.

Companies, entities or groups over which operational control is exercised

W0.6

(W0.6) Within this boundary, are there any geographies, facilities, water aspects, or other exclusions from your disclosure?

No

W0.7

(W0.7) Does your organization have an ISIN code or another unique identifier (e.g., Ticker, CUSIP, etc.)?

Indicate whether you are able to provide a unique identifier for your organization.	Provide your unique identifier
Yes, an ISIN code	CA29250N1050
Yes, a SEDOL code	BFZ4S96
Yes, a Ticker symbol	ENB

W1. Current state

W1.1

(W1.1) Rate the importance (current and future) of water quality and water quantity to the success of your business.

	Direct use importance rating	Indirect use importance rating	Please explain
Sufficient amounts of good quality freshwater available for use	Important	Important	The direct use of freshwater is important, but not critical for our operations. Freshwater is primarily used as drinking water, for sanitation and hygiene and WASH services in our office buildings and depots. Freshwater is also used for hydrostatic testing to verify the safety of our pipelines. Therefore, available freshwater is important to Enbridge as it ensures overall well-being of our employees through access of water for their day-to-day use. In the future, we expect that freshwater use will continue to be important for our operations. The indirect use of water is important in the life cycle for hydrocarbons of which we are a significant part as a midstream transporter. Water is utilized in the upstream extraction process for both oil and natural gas, particularly in the Alberta oil sands where a large majority of the liquid hydrocarbon product we transport originates. Oil sands surface mining uses three to four barrels of new water to per barrel of bitumen produced. On the downstream side, significant amounts of water are used for processing and cooling throughout the refining process, where in many cases, the water withdrawn is used, treated, and then returned to the environment. Freshwater is also used for hydraulic fracturing which produces a portion of the natural gas which we transport, store, and distribute. Water that is recovered from the process is contaminated and is removed from the water system. Enbridge expects to be a key player in the development and investment of hydrogen given the sheer size of our gas pipeline network, aligning with our renewable portfolio. The production of green hydrogen through electrolysis requires sufficient amounts of freshwater or saltwater depending on the size of the electrolyzer. In the immediate future, we expect that sufficient amounts of freshwater will remain important for upstream production processes as well as downstream refining and processing.
Sufficient amounts of recycled, brackish and/or produced water available for use	Important	Important	Enbridge directly requires large volumes of water for hydrostatic testing of new and existing pipelines and related infrastructure; therefore, direct use of recycled water has been deemed important. Hydrostatic testing involves filling section of pipe with water to a high pressure and maintaining the pressure for a prescribed period to confirm the integrity of the pipeline. Therefore, recycled water is important to our operations to ensure safety and integrity of our infrastructure. However, this water does not need to be 'good quality freshwater' and can be delivered by a third-party water supplier, rented or reused from a previously tested section of pipeline. A negligible volume of water is consumed through hydrostatic testing. The majority is returned to the environment (subsequent to appropriate testing) or treatment facility. The frequency of hydrostatic tests is dependent upon the number of projects under construction and integrity management requirements. The indirect use of recycled, brackish, and/or produced water available remains important for use in oil sands development. Most water used in oil sands development is recycled - approximately 80% for established mining operations, and 90% for in-situ recovery. New water required for the development process is sourced from onsite drainage, collected precipitation and underground brackish aquifers. In Pennsylvania and West Virginia, the reuse of produced water is becoming more prevalent for hydraulic fracturing with 30% produced water used for drilling new wells . In Alberta, approximately 6% of the water used for hydraulic fracturing is recycled. The indirect use of recycled, brackish and/or produced water will continue to remain important for upstream oil and gas operations in the immediate future for production.

W1.2

(W1.2) Across all your operations, what proportion of the following water aspects are regularly measured and monitored?

	% of sites/facilities/operations	Frequency of measurement	Method of measurement	Please explain
Water withdrawals – total volumes	76-99	Continuously	Total volumes of water proposed to be withdrawn are tracked on the Hydrostatic Testing Water Usage and Discharge Form completed by members of the Project Team.	Approximately 76-99% of Enbridge's water withdrawal volumes are for hydrostatic testing and are measured and tracked from the majority of our larger projects by our operations and engineering departments. Total volumes of water proposed to be withdrawn are tracked on the Hydrostatic Testing Water Usage and Discharge Form completed by members of the Project Team. The remaining volume of water withdrawals are for WASH purposes and are not tracked due to logistical and economic challenges related to lack of sub-metering and leased buildings where data is unavailable. In addition to data limitations, the water consumed for these purposes is not significant to our water-related risks and therefore pursue data collection for this portion is not material for our water management strategies.
Water withdrawals – volumes by source	76-99	Unknown	Total volumes of water proposed to be withdrawn are tracked on the Hydrostatic Testing Water Usage and Discharge Form completed by members of the Project Team.	Approximately 76-99% of Enbridge's water withdrawal volumes are for hydrostatic testing and is measured and tracked from the majority of our larger projects by our operations and engineering departments. Total volumes of water by source are tracked on the Hydrostatic Testing Water Usage and Discharge Form completed by members of the Project Team. The remaining volume of water withdrawals are for WASH purposes and its' source is not tracked due to logistical and economic challenges related to lack of sub-metering and leased buildings where data is unavailable. However, most of the water used for WASH purposes is sourced from the local municipality.
Entrained water associated with your metals & mining and/or coal sector activities - total volumes [only metals and mining and coal sectors]	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Produced water associated with your oil & gas sector activities - total volumes [only oil and gas sector]	Not relevant	<Not Applicable>	<Not Applicable>	Enbridge's midstream activities, which are primarily transportation of oil and gas, generally do not generate produced water Some aspects of our business use produced water, such as The Hardisty Caverns, which uses produced water (brine) to move oil in and out of the caverns. Brine is pulled from a deep well and excess Brine is disposed of via an onsite disposal well.
Water withdrawals quality	51-75	Continuously	Water withdrawal quality is measured in line with environmental specifications and regulatory requirements.	Water withdrawal quality is in line with environmental specifications and regulatory requirements.
Water discharges – total volumes	51-75	Unknown	Water consumption volumes are based on a calculation of the water withdrawn minus the water discharged as reported on the Hydrostatic Testing Water Usage and Discharge Form.	For the 51-75% of water withdrawn and disposed of for hydrostatic testing the actual consumption volume is negligible. Water consumption volumes are based on a calculation of the water withdrawn minus the water discharged as reported on the Hydrostatic Testing Water Usage and Discharge Form. The remaining volume of water used for WASH purposes is not tracked, although it can be presumed that that large majority of water is discharged back to the sanitary sewer and not consumed.
Water discharges – volumes by destination	51-75	Unknown	Volumes by destination for water discharged from hydrostatic testing is measured and tracked from the majority of our larger projects by our operations and engineering departments. The total volume discharged is tracked on the Hydrostatic Testing Water Usage and Discharge Form completed by members of the Project Team.	Approximately 51-75% of volumes by destination for water discharged from hydrostatic testing is measured and tracked from the majority of our larger projects by our operations and engineering departments. The total volume discharged is tracked on the Hydrostatic Testing Water Usage and Discharge Form completed by members of the Project Team. The remaining volume of water discharged is from WASH purposes is not tracked due to logistical issues related to lack of data related to leased buildings where data is unavailable.
Water discharges – volumes by treatment method	51-75	Unknown	Volumes by treatment method of water discharged from hydrostatic testing is measured and tracked from the majority of our larger projects by our operations and engineering departments. The treatment method and volumes, if any, is tracked on the Hydrostatic Testing Water Usage and Discharge Form completed by members of the Project Team.	Approximately 51-75% of volumes by treatment method of water discharged from hydrostatic testing is measured and tracked from the majority of our larger projects by our operations and engineering departments. The treatment method and volumes, if any, is tracked on the Hydrostatic Testing Water Usage and Discharge Form completed by members of the Project Team. The remaining volume of water is from WASH purposes and is not tracked by treatment method due to logistical reasons.
Water discharge quality – by standard effluent parameters	76-99	Continuously	On the way into the pipe, hydrotested water is metered. This metered approach results in continuous measurement of water discharge quality.	For the 76% to 99% of water discharged from hydrostatic testing a large portion requires water quality meet applicable regulator standards prior to discharge or acceptance by a waste disposal facility. For our Liquids Pipelines (Canada) business segment all water must be tested prior to discharge to comply with regulations. The remaining volume of water discharged is from WASH purposes and is not tested prior to discharge.
Water discharge quality – emissions to water (nitrates, phosphates, pesticides, and/or other priority substances)	76-99	Other, please specify (Prior to Release)	Laboratory analytes are in line with jurisdictional requirements. Agricultural parameters, such as nitrates, phosphates, an pesticides are not typical for used hydrostatic test water.	Laboratory analytes and sample frequency are in line with jurisdictional requirements. Agricultural parameters, such as nitrates, phosphates, an pesticides are not typical for used hydrostatic test water.
Water discharge quality – temperature	Not monitored	<Not Applicable>	<Not Applicable>	Water utilized for hydrostatic testing is typically at ambient temperature (or lower) as it remains within the pipeline throughout its use. Water temperature is not a parameter which is actively measured prior to discharge (unless specified by the receiver or applicable regulatory agency).
Water consumption – total volume	51-75	Unknown	Water consumption volumes are based on a calculation of the water withdrawn minus the water discharged as reported on the Hydrostatic Testing Water Usage and Discharge Form.	For the 51-75% of water withdrawn and disposed of for hydrostatic testing the actual consumption volume is negligible. Water consumption volumes are based on a calculation of the water withdrawn minus the water discharged as reported on the Hydrostatic Testing Water Usage and Discharge Form. The remaining volume of water used for WASH purposes is not metered and therefore the total consumption volumes are not available, although it can be presumed that that large majority of water is discharged back to the sanitary sewer and not consumed.
Water recycled/reused	51-75	Unknown	Water consumption volumes are based on a calculation of the water withdrawn minus the water discharged as reported on the Hydrostatic Testing Water Usage and Discharge Form. All hydrostatic test water is returned to the environment.	For the 51-75% of water withdrawn and disposed of for hydrostatic testing the actual consumption volume is negligible. Water consumption volumes are based on a calculation of the water withdrawn minus the water discharged as reported on the Hydrostatic Testing Water Usage and Discharge Form. The remaining volume of water used for WASH purposes is not metered and therefore the total consumption volumes are not available, although it can be presumed that that large majority of water is discharged back to the sanitary sewer and not consumed.
The provision of fully-functioning, safely managed WASH services to all workers	76-99	Unknown	Manned facilities within the Company provide fully functioning WASH services to all workers.	Manned facilities within the Company provide fully functioning WASH services to all workers. There are a number of unmanned locations where WASH services are not provided, but these are typically within close proximity to a WASH location. These unmanned facilities operate in compliance with the jurisdictionally applicable labour code regulations. Enbridge has assessed the feasibility of collecting water consumption data but found it was logistically and economically challenging due to the high number of rented buildings and lack of sub-metering infrastructure.

W1.2b

(W1.2b) What are the total volumes of water withdrawn, discharged, and consumed across all your operations, how do they compare to the previous reporting year, and how are they forecasted to change?

	Volume (megaliters/year)	Comparison with previous reporting year	Primary reason for comparison with previous reporting year	Five-year forecast	Primary reason for forecast	Please explain
Total withdrawals	98.29	Much lower	Increase/decrease in business activity	Unknown	Unknown	Our water withdrawal/discharge/consumption volume is primarily driven by the number of projects we had in the reporting year. In 2022, the number and scope of hydrostatic tests undertaken by all business units decreased. Enbridge classifies a decrease in water withdrawal/discharge/consumption volume exceeding 50% as being "much lower" as compared to the previous years' value.
Total discharges	98.29	Much lower	Increase/decrease in business activity	Unknown	Unknown	Our water withdrawal/discharge/consumption volume is primarily driven by the number of projects we had in the reporting year. In 2022, the number and scope of hydrostatic tests undertaken by all business units decreased. Enbridge classifies a decrease in water withdrawal/discharge/consumption volume exceeding 50% as being "much lower" as compared to the previous years' value.
Total consumption	0	Much lower	Increase/decrease in business activity	Unknown	Unknown	Our water withdrawal/discharge/consumption volume is primarily driven by the number of projects we had in the reporting year. In 2022, the number and scope of hydrostatic tests undertaken by all business units decreased. Enbridge classifies a decrease in water withdrawal/discharge/consumption volume exceeding 50% as being "much lower" as compared to the previous years' value.

W-OG1.2c

(W-OG1.2c) In your oil & gas sector operations, what are the total volumes of water withdrawn, discharged, and consumed (by business division), how do they compare to the previous reporting year, and how are they forecasted to change?

	Volume (megaliters/year)	Comparison with previous reporting year	Primary reason for comparison with previous reporting year	Five-year forecast	Primary reason for forecast	Please explain
Total withdrawals - upstream	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Total discharges – upstream	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Total consumption – upstream	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Total withdrawals - midstream/downstream	98.29	Much Lower	Increase/decrease in business activity	Unknown	Unknown	Our water withdrawal/discharge/consumption volume is primarily driven by the number of projects we had in the reporting year. In 2022, the number and scope of hydrostatic tests undertaken by all business units decreased. Enbridge classifies a decrease in water withdrawal/discharge/consumption volume exceeding 50% as being "much lower" as compared to the previous years' value.
Total discharges – midstream/downstream	98.29	Much Lower	Increase/decrease in business activity	Unknown	Unknown	Our water withdrawal/discharge/consumption volume is primarily driven by the number of projects we had in the reporting year. In 2022, the number and scope of hydrostatic tests undertaken by all business units decreased. Enbridge classifies a decrease in water withdrawal/discharge/consumption volume exceeding 50% as being "much lower" as compared to the previous years' value.
Total consumption – midstream/downstream	0	Much Lower	Increase/decrease in business activity	Unknown	Unknown	Our water withdrawal/discharge/consumption volume is primarily driven by the number of projects we had in the reporting year. In 2022, the number and scope of hydrostatic tests undertaken by all business units decreased. Enbridge classifies a decrease in water withdrawal/discharge/consumption volume exceeding 50% as being "much lower" as compared to the previous years' value.
Total withdrawals – chemicals	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Total discharges – chemicals	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Total consumption – chemicals	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Total withdrawals – other business division	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Total discharges – other business division	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Total consumption – other business division	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>

W1.2d

(W1.2d) Indicate whether water is withdrawn from areas with water stress, provide the proportion, how it compares with the previous reporting year, and how it is forecasted to change.

	Withdrawals are from areas with water stress	% withdrawn from areas with water stress	Comparison with previous reporting year	Primary reason for comparison with previous reporting year	Five-year forecast	Primary reason for forecast	Identification tool	Please explain
Row 1	No	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	Other, please specify (Tools Developed by the Regulator)	Enbridge utilizes tools developed by the Regulator to evaluate the potential water stress in British Columbia. In all other locations, the volume of water removed is based on allowable limits placed on Enbridge by the regulator. The regulator maintains authority to determine if it is ecologically safe to take water from a system. For example, the regulator will rescind water removal during droughty conditions. The locations for hydrostatic testing differ year to year, therefore our water-stress analysis differs from year to year. We monitor the amount of water used for hydrostatic and on average return more than 99 percent of water used in testing to its natural environment.

W1.2h

(W1.2h) Provide total water withdrawal data by source.

	Relevance	Volume (megaliters/year)	Comparison with previous reporting year	Primary reason for comparison with previous reporting year	Please explain
Fresh surface water, including rainwater, water from wetlands, rivers, and lakes	Relevant	86.82	Lower	Increase/decrease in business activity	Our water withdrawal/discharge/consumption volume is primarily driven by the number of projects we had in the reporting year. In 2022, the number and scope of hydrostatic tests undertaken by all business units decreased. Enbridge classifies a decrease in water withdrawal/discharge/consumption volume exceeding 50% as being "much lower" as compared to the previous years' value.
Brackish surface water/Seawater	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	Enbridge has no major use for brackish surface water/Seawater.
Groundwater – renewable	Relevant	1.28	Much lower	Increase/decrease in business activity	Our water withdrawal/discharge/consumption volume is primarily driven by the number of projects we had in the reporting year. In 2022, the number and scope of hydrostatic tests undertaken by all business units decreased. Enbridge classifies a decrease in water withdrawal/discharge/consumption volume exceeding 50% as being "much lower" as compared to the previous years' value.
Groundwater – non-renewable	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	Enbridge had no withdrawals from ground water non-renewable for hydrostatic testing in the reporting year
Produced/Entrained water	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	Enbridge had no withdrawals from produced/entrained ground water for hydrostatic testing in the reporting year
Third party sources	Relevant	9.61	Much lower	Increase/decrease in business activity	Our water withdrawal/discharge/consumption volume is primarily driven by the number of projects we had in the reporting year. In 2022, the number and scope of hydrostatic tests undertaken by all business units decreased. Enbridge classifies a decrease in water withdrawal/discharge/consumption volume exceeding 50% as being "much lower" as compared to the previous years' value.

W1.2i

(W1.2i) Provide total water discharge data by destination.

	Relevance	Volume (megaliters/year)	Comparison with previous reporting year	Primary reason for comparison with previous reporting year	Please explain
Fresh surface water	Relevant	78.46	Much lower	Increase/decrease in business activity	Our water withdrawal/discharge/consumption volume is primarily driven by the number of projects we had in the reporting year. In 2022, the number and scope of hydrostatic tests undertaken by all business units decreased. Enbridge classifies a decrease in water withdrawal/discharge/consumption volume exceeding 50% as being "much lower" as compared to the previous years' value.
Brackish surface water/seawater	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	We did not discharge any volumes of water to brackish/ surface water/seawater in 2022.
Groundwater	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	We did not discharge any volumes of water to ground water in 2022.
Third-party destinations	Relevant	19.25	Lower	Increase/decrease in business activity	Our water withdrawal/discharge/consumption volume is primarily driven by the number of projects we had in the reporting year. In 2022, the number and scope of hydrostatic tests undertaken by all business units decreased. Enbridge classifies a decrease in water withdrawal/discharge/consumption volume exceeding 50% as being "much lower" as compared to the previous years' value.

W1.2j

(W1.2j) Within your direct operations, indicate the highest level(s) to which you treat your discharge.

	Relevance of treatment level to discharge	Volume (megaliters/year)	Comparison of treated volume with previous reporting year	Primary reason for comparison with previous reporting year	% of your sites/facilities/operations this volume applies to	Please explain
Tertiary treatment	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	We did not have tertiary treatment for our discharges during operations in 2022.
Secondary treatment	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	We did not have secondary treatment for our discharges during operations in 2022.
Primary treatment only	Relevant but volume unknown	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	Our discharge water will go through primary water treatment if needed to meet local water discharge requirement before releasing water to the environment.
Discharge to the natural environment without treatment	Relevant but volume unknown	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	We discharge to the natural environment without treatment only when the water quality meets local discharge requirement.
Discharge to a third party without treatment	Relevant but volume unknown	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	We discharge to a third party without treatment only when the water quality meets third party discharge requirements.
Other	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	We did not have other treatments for our discharges during operations in 2022.

W1.2k

(W1.2k) Provide details of your organization's emissions of nitrates, phosphates, pesticides, and other priority substances to water in the reporting year.

	Emissions to water in the reporting year (metric tonnes)	Category(ies) of substances included	List the specific substances included	Please explain
Row 1		Nitrates Phosphates Pesticides	<Not Applicable>	Though small emissions traces of nitrates, phosphates, pesticides, and other priority substances may apply to Enbridge, these agricultural products (nitrates, phosphates and pesticides) are not typical for used hydrostatic water. Laboratory analytes and sample frequency are in line with jurisdictional requirements.

W1.3

(W1.3) Provide a figure for your organization's total water withdrawal efficiency.

	Revenue	Total water withdrawal volume (megaliters)	Total water withdrawal efficiency	Anticipated forward trend
Row 1	53309000000	98.29		Our water withdrawal volumes are primarily driven by the number of projects we execute in a reporting year and therefore predicting the anticipated forward trend is highly challenging due to the lack of forward-looking information.

W-OG1.3

(W-OG1.3) Do you calculate water intensity for your activities associated with the oil & gas sector?

No, and we have no plans to do so in the next two years

W1.4

(W1.4) Do any of your products contain substances classified as hazardous by a regulatory authority?

	Products contain hazardous substances	Comment
Row 1	Yes	<Not Applicable>

W1.4a

(W1.4a) What percentage of your company's revenue is associated with products containing substances classified as hazardous by a regulatory authority?

Regulatory classification of hazardous substances	% of revenue associated with products containing substances in this list	Please explain
Other, please specify (Enbridge processes & transports energy in multiple forms, including gas & liquids. General safety info regarding specific products Enbridge processes and transports is available in safety data sheets -in our emergency response plans & supporting docs)	Don't know	Enbridge processes and transports energy in multiple forms, including gas and liquids. General safety information regarding specific products that Enbridge processes and transports is available in our safety data sheets - included in our emergency response plans and supporting documents.

W1.5

(W1.5) Do you engage with your value chain on water-related issues?

	Engagement	Primary reason for no engagement	Please explain
Suppliers	Yes	<Not Applicable>	<Not Applicable>
Other value chain partners (e.g., customers)	Yes	<Not Applicable>	<Not Applicable>

W1.5a

(W1.5a) Do you assess your suppliers according to their impact on water security?

Row 1

Assessment of supplier impact

No, we do not assess the impact of our suppliers and have no plans to do so within the next two years

Considered in assessment

<Not Applicable>

Number of suppliers identified as having a substantive impact

<Not Applicable>

% of total suppliers identified as having a substantive impact

<Not Applicable>

Please explain

Enbridge engages with key suppliers on water-related issues through conducting assessments using the Ecovadis platform. Suppliers are also required to submit environmental plans with their project proposals; these plans are reviewed and vetted by the Environment team.

In 2022, we advanced an initiative to gather sustainability data from our suppliers on four key dimensions: environment, labor and human rights, ethics, and sustainable procurement. With support from EcoVadis, we collected data on more than 100 suppliers and, for a subset of these, we gathered Scope 1, 2 and 3 emissions information and assessed their carbon management practices.

We also hosted the first ever Enbridge Supplier ESG Summit to share insights and leading practices across our supply chain.

W1.5b

(W1.5b) Do your suppliers have to meet water-related requirements as part of your organization's purchasing process?

	Suppliers have to meet specific water-related requirements	Comment
Row 1	No, and we do not plan to introduce water-related requirements within the next two years	In 2022, we advanced an initiative to gather sustainability data from our suppliers on four key dimensions: environment, labor and human rights, ethics, and sustainable procurement. With support from EcoVadis, we collected data on more than 100 suppliers and, for a subset of these, we gathered Scope 1, 2 and 3 emissions information and assessed their carbon management practices. We also hosted the first ever Enbridge Supplier ESG Summit to share insights and leading practices across our supply chain. The event attracted strong engagement, as 148 supplier participants representing 72 companies attended alongside 55 Enbridge representatives. We also require our suppliers to uphold the human rights, labor, health and safety, environmental, and business ethics practices prescribed in all our relevant policies

W1.5d

(W1.5d) Provide details of any other water-related supplier engagement activity.

Type of engagement
Information collection

Details of engagement
Other, please specify (Suppliers are also required to submit environmental plans with their project proposals)

% of suppliers by number
Unknown

% of suppliers with a substantive impact
<Not Applicable>

Rationale for your engagement
Enbridge is committed to sound stewardship and protection of the environment. We require our Suppliers to comply with all applicable laws and regulations and Enbridge environmental policies and guidelines as a condition of conducting business with and on behalf of Enbridge. Our approach to the environment is governed by our Corporate Social Responsibility Policy and Climate Policy. We require our Suppliers to be familiar with and contribute to these commitments

Impact of the engagement and measures of success
In 2022, we advanced an initiative to gather sustainability data from our suppliers on four key dimensions: environment, labor and human rights, ethics, and sustainable procurement. With support from EcoVadis, we collected data on more than 100 suppliers and, for a subset of these, we gathered Scope 1, 2 and 3 emissions information and assessed their carbon management practices. We also hosted the first ever Enbridge Supplier ESG Summit to share insights and leading practices across our supply chain. The event attracted strong engagement, as 148 supplier participants representing 72 companies attended.

Comment

W1.5e

(W1.5e) Provide details of any water-related engagement activity with customers or other value chain partners.

Type of stakeholder
Other, please specify (Communities)

Type of engagement
Education / information sharing

Details of engagement
Educate and work with stakeholders on understanding and measuring exposure to water-related risks

Rationale for your engagement
We use a four-step community engagement process to help us identify, understand and engage with community members about opportunities or concerns. By adhering consistently to this process as well as maintaining a company-wide public awareness program that meets or exceeds regulatory requirements, we aim to build trust and maintain positive, productive relationships with landowners and communities wherever we work. In addition to engaging with communities on new projects and activities, we meet with landowner groups to keep communication channels active and open, and to support mutual awareness of any emerging concerns.

Impact of the engagement and measures of success
One example for our community engagement include the new informational center in Michigan. In late 2021, Enbridge opened the doors to a new Informational Center in St. Ignace, Michigan, where residents and visitors can learn about the past, present and future of Line 5 and its passage under the Great Lakes. Line 5 has delivered a reliable supply of energy for decades, and Enbridge plans to build a new tunnel under the Straits of Mackinac with state-of-the-art safety and water protection features to relocate the pipeline. The opening of the Informational Center was intended to provide local residents and other stakeholders with a place to seek information about the project and to speak directly with on-site Enbridge representatives. Visitorship in 2022 attests to strong local interest in the project and to the power of in-person engagement. More than 400 visitors have taken advantage of our regular office hours, during which members of the public can drop in, ask questions and take in interactive displays. An additional 200 people have attended special events at the Center.

W2. Business impacts

W2.1

(W2.1) Has your organization experienced any detrimental water-related impacts?
No

W2.2

(W2.2) In the reporting year, was your organization subject to any fines, enforcement orders, and/or other penalties for water-related regulatory violations?

	Water-related regulatory violations	Fines, enforcement orders, and/or other penalties	Comment
Row 1	Yes	Fines Enforcement orders or other penalties	Enbridge acknowledges that during the construction of Line 3 Replacement Project our crew inadvertently breached an aquifer at 3 locations resulting in groundwater flows to the surface. For each location, Enbridge developed a corrective action plan to stop groundwater flows and filed the Corrective Action Plans for the Line 3 groundwater use in response to the Minnesota Department of Natural Resources investigation. In October 2022, the DNR and Enbridge reached an agreement to resolve all matters related to the aquifer breach and Enbridge agreed to enforcement resolutions of approximately US$11.3MM including the Administrative Penalty Order issued by the MN DNR in 2021 (US $3.4MM), penalties and fines (US$1MM), as well as ongoing commitments for restoration, mitigation (US$400,000), monitoring (US$1.8MM) and financial assurance (US$1.9MM). Enbridge agreed to fund environmental projects (US$2.9MM) to enhance water quality in the areas near Line 3 Replacement Project construction.

W2.2a

(W2.2a) Provide the total number and financial value of all water-related fines.

Row 1

Total number of fines
1

Total value of fines
11300000

% of total facilities/operations associated
50

Number of fines compared to previous reporting year
About the same

Comment
This fine is related to an aquifer breach; groundwater discharge near the Clearbrook Terminal. The $11.3M includes $3.4M from 2021 penalty order.

Given the geographic coverage of our linear infrastructure it is difficult to quantify the number of facilities. We have used '2' as Number of Facilities to denote our pipeline networks in both the United States of America and Canada. This fine occurred in the United States of America and therefore is associated with 50% of facilities/operations.

W2.2b

(W2.2b) Provide details for all significant fines, enforcement orders and/or other penalties for water-related regulatory violations in the reporting year, and your plans for resolving them.

Type of penalty
Fine

Financial impact
11300000

Country/Area & River basin

United States of America	Other, please specify (LaSalle Creek Crossing)

Type of incident
Spillage, leakage or discharge of potential water pollutant

Description of penalty, incident, regulatory violation, significance, and resolution
Enbridge acknowledges that during the construction of the Line 3 Replacement Project, it inadvertently breached an aquifer at three locations along the Line 3 Replacement route resulting in groundwater flows to the surface. For each of these locations, Enbridge developed a corrective action plan to stop groundwater flows. In 03/22, Enbridge filed Corrective Action Plans for the Line 3 groundwater use in response to the DNR investigation. In 10/22, the DNR and Enbridge reached an agreement to resolve all matters related to an aquifer breach during the construction of Line 3 Pipeline Replacement Project. In 10/22, Enbridge agreed to enforcement resolutions of approximately US$11.3MM including the Administrative Penalty Order issued by the MN DNR in 2021 (US$3.4MM), as well as penalties and fines (US$1MM), ongoing commitments for restoration, mitigation (US$400,000), monitoring (US$1.8MM) and financial assurance (US$1.9MM).

W3. Procedures

W3.1

(W3.1) Does your organization identify and classify potential water pollutants associated with its activities that could have a detrimental impact on water ecosystems or human health?

	Identification and classification of potential water pollutants	How potential water pollutants are identified and classified	Please explain
Row 1	Yes, we identify and classify our potential water pollutants	Enbridge takes a lifecycle view of its system safety, from design and construction of our assets, to prevention and asset integrity, to ongoing monitoring and leak detection. We've steadily advanced the use of predictive reliability modelling to support risk-informed decision-making. Hydrostatic testing is critical to ensuring asset integrity. We compile a summary of chemical and physical properties of the crude oil and condensates that move through our Liquids Pipelines system on an annual basis. Samples are collected over a limited period and may be representative of shipments over the entire year. From a potential water pollutants perspective, Enbridge retains crude oil quality information and respective Material Safety Data Sheets for the petroleum hydrocarbon products which are transported within our pipelines and related infrastructure. For an unplanned release, these sources of information are utilized to support the initial emergency response procedures. This approach ensures that potential water pollutants associated with our activities which may have a detrimental impact on water ecosystems or human health, are mitigated safely. Our approach to identify and classify potential water pollutants covers Enbridge operations only and does not extend to the value chain. In our Supplier Code of Conduct, we require suppliers to adhere to Enbridge's Corporate Social Responsibility Policy which also includes a commitment to environmental protection and stewardship.	<Not Applicable>

W3.1a

(W3.1a) Describe how your organization minimizes the adverse impacts of potential water pollutants on water ecosystems or human health associated with your activities.

Water pollutant category
Other, please specify (Hydrocarbons)

Description of water pollutant and potential impacts
Petroleum hydrocarbons which are transported range from ultra-light condensates and light oils to heavy oils and bitumen, as well as a multitude of blends. Petroleum hydrocarbons are a complex mixture of thousands of chemicals typically broken into saturates, aromatics, resins and asphaltenes. These products may include sulphur, naphthenic acids, metals and minerals. Each type of oil has distinct physical and chemical characteristics that influence the hazard it may pose to aquatic life and other natural resources. Some compounds that are acutely toxic to aquatic organisms include alkyl polycyclic aromatic hydrocarbons which can persist in the water and cause chronic health effects that up months or years later. Crude oil and/or natural gas liquids can enter the aquatic environment through a loss of containment from a pipeline or related infrastructure. Oil spilled into water will progressively change its chemical composition through physical, chemical and biological processes referred to as weathering. Oil will move into the water column under turbulence. The droplets may form Oil Particulate Aggregates (OPAs) by mixing with sediment and organic matter that is also in the water column. The OPAs will then act as sediment, submerging in areas with low water velocity. Oil on the shoreline or sediment may be sequestered or re-emerge over time. Impacts of an oil spill will reflect the environmental conditions at the spill site and their interaction with the product over time.

Value chain stage
Other, please specify (Midstream/Downstream)

Actions and procedures to minimize adverse impacts
Assessment of critical infrastructure and storage condition (leakages, spillages, pipe erosion etc.) and their resilience

Please explain
Enbridge constantly strives to make our operations safer because we believe that every incident can be prevented. We invest significantly in the fitness of our systems & in leak detection. We monitor our systems, 24/7/365. We continually inspect our pipelines and facilities for safety & reliability. Over the past 3 years, Enbridge has invested $5.9B in programs that help us maintain the fitness of our systems and detect leaks across our operations. More than 465 inline inspections across 43,221.91 km of pipeline, 1,598 preventative maintenance digs, and 40,467 other assessments, including pressure tests, bridge, water crossing & slope inspections & examinations of valves and other equipment were completed. We maintain strong emergency preparedness & response systems. We regularly test and continuously improve our emergency response tactics and plans with local first responders and emergency management and government officials. We regularly review our emergency management programs across our businesses to ensure they are functioning as intended and identify opportunities for continual improvement. In the event of an incident, our employees and contractors are well trained and equipped to ensure a safe, rapid, and effective response. Our Safe Community First Responder program has invested more than C$24 million in North American emergency responder organizations since its inception – including C$2.45 million to 246 emergency response organizations across North America in 2022.

Water pollutant category
Other, please specify (Drilling Fluids)

Description of water pollutant and potential impacts
In the case of large rivers or certain sensitive crossings, Enbridge uses horizontal directional drilling (HDD) technology to install underground pipelines. HDD projects can be completed in a way that minimizes environmental and stakeholder impact, even in sensitive areas. The HDD construction technique, employed when geological conditions and other factors are favorable, involves drilling an underground arched tunnel, and pulling the pre-assembled pipe section back through the tunnel. Crews drill a tunnel 12 inches wider than the diameter of the pipe, using a mixture of water and natural, non-toxic bentonite clay to keep the tunnel open and lubricated.

Value chain stage
Other, please specify (Midstream/Downstream)

Actions and procedures to minimize adverse impacts
Assessment of critical infrastructure and storage condition (leakages, spillages, pipe erosion etc.) and their resilience

Please explain
Enbridge evaluates wetlands and water course crossings on a case-by-case basis to minimize impacts to wetlands, rivers and streams. When we must cross them, we endeavour to restore these areas to their previous states and use a variety of measures to minimize and mitigate our impacts.

In some instances, a geotechnical assessment of the proposed crossing location is undertaken to characterize the underlying geological material and reduce the risk of an unplanned release of drilling fluid. Recommendations based on the assessment may include adjusting the depth of the borehole installation, type of drilling fluid and/or additives, and management of slurry pressure such as the use of pressure-relief pits.

In addition, Enbridge has developed emergency response procedures for the unplanned release of drilling fluids, which are typically submitted to the applicable regulator as part of the watercourse crossing permit application process.

Enbridge worked with the former Canadian Energy Pipeline Association (CEPA), Canadian Association of Petroleum Producers (CAPP) and Canadian Gas Association (CGA), to develop and update a ‘Pipeline Associated Watercourse Crossings’ Manual, which has been endorsed by the Government of Canada. The Manual is intended to provide applicable regulators, industry practitioners and other stakeholders a summary of the aspects of planning and constructing pipeline watercourse crossings.

W3.3

(W3.3) Does your organization undertake a water-related risk assessment?
Yes, water-related risks are assessed

W3.3a

(W3.3a) Select the options that best describe your procedures for identifying and assessing water-related risks.

Value chain stage
Direct operations

Coverage
Full

Risk assessment procedure
Water risks are assessed as part of an established enterprise risk management framework

Frequency of assessment
More than once a year

How far into the future are risks considered?
3 to 6 years

Type of tools and methods used
Tools on the market
Enterprise risk management
Other

Tools and methods used
Internal company methods

Contextual issues considered
Water availability at a basin/catchment level
Water regulatory frameworks
Status of ecosystems and habitats

Stakeholders considered
Customers
Employees
Investors
Local communities
NGOs
Regulators
Water utilities at a local level
Other water users at the basin/catchment level

Comment
The development and implementation of these risk management frameworks is informed by industry-leading protocols, including, but not limited to, ISO 14001. We monitor real-time flood gauges within Cambio (geohazard management program) that will automatically alarm as flows approach action thresholds. We also have automated monitoring for seismic activity which identifies portions of pipeline segments that could be susceptible to ground movement. Field staff conduct site visits to inspect areas which have been identified at being at higher risk due to flooding and geo-hazards. The approximate annual cost of these measures ranges from $4 million to $5 million.

Project-specific water-related risk assessments are also undertaken either internally or by third-party consultants prior to, and during, construction and/or operation of energy delivery infrastructure (e.g. pipelines).

W3.3b

(W3.3b) Describe your organization's process for identifying, assessing, and responding to water-related risks within your direct operations and other stages of your value chain.

	Rationale for approach to risk assessment	Explanation of contextual issues considered	Explanation of stakeholders considered	Decision-making process for risk response
Row 1	At Enbridge, we utilize a combination of approaches to identify, assess and mitigate potential water risks across our operations. We take a lifecycle approach to managing the safety and design of our assets. During project planning and operations, Enbridge's business segments utilize multiple regional government databases in conducting its risk assessments. These databases help identify higher risk environmental features such as Flood/Fill Regulated areas relative to our project footprint to determine requirements for permitting; subsurface conditions and depth to groundwater; municipal water intake locations and recharge areas for municipal drinking water supplies.	We believe pipelines are the safest and most reliable way to transport the oil and natural gas that fuel our economy and enable modern society. However, there are potential water risks that may arise from spills or releases of oil and gas that may affect local water sources. The Liquids Pipeline business segment uses the following risk mapping tools: OilMap, OilMapLand, SiMAP and OilMap Deep. These tools assess the flow of crude oil to determine the downstream impact, including the distance a plume of crude oil could travel over a 24-hour period and impacts to a waterbody from a submerged pipeline leak.	Oil dispersion in open water is assessed to determine where oil is expected to travel based on water currents, wind direction, etc. This is used to identify the potential impact to drinking water intakes and shorelines. All liquids lines in the U.S. are modelled on an annual basis in support of our High Consequence Area analysis and once every three years in Canada. OilMap is also used on an ad hoc basis to assess the impact of new pipeline projects, replacement projects and to assess specific risk scenarios. Enbridge worked with the former Canadian Energy Pipeline Association (CEPA), the Canadian Association of Petroleum Producers (CAPP) and the Canadian Gas Association (CGA) to develop the Pipeline Watercourse Management Recommended Practices for Operating Pipelines (the Practices), which is intended to compile and present the latest industry practices relating to the management of hydrotechnical hazards at operating pipeline crossings and encroachments, namely watercourses.	Management develops an annual comprehensive Corporate Risk Assessment (CRA) report, which analyzes and prioritizes enterprise wide risks and treatments, highlighting top risks and trends in Enbridge's risk profile, including water-related risks. The CRA is presented to the Board and its committees, and management regularly updates the full Board and Board committees on the status of material risks. In addition, management provides regular reports to the Board at every meeting to identify trends and help manage risk. To better identify, manage and mitigate risk, the CRA report is reviewed by the Board committee with responsibility for the risk category relevant to its mandate. As a result of this review, each committee makes recommendations to the Board in respect of company practices. In addition, Board committees oversee the implementation of systems that address risks within the scope of their responsibility and monitor these systems to ensure they remain effective. Each committee reports to the Board, which coordinates the Company's overall risk management approach.

W4. Risks and opportunities

W4.1

(W4.1) Have you identified any inherent water-related risks with the potential to have a substantive financial or strategic impact on your business?

Yes, only within our direct operations

W4.1a

(W4.1a) How does your organization define substantive financial or strategic impact on your business?

Enbridge's Corporate Risk Assessment (CRA) is a comprehensive annual process that includes reporting to the Board and its committees. The CRA process is a bottom-up review of enterprise-wide risks using a common risk management framework. Through this framework, risk owners assess the potential impact, which includes both financial and non-financial criteria, together with the likelihood of each risk to assess a risk rating. These ratings are ranked and the highest risks are denoted as top risks which have the greatest potential to jeopardize Enbridge's strategic priorities. Mid-cycle CRA updates are provided to the Board for the Company's top risks. This process enables continuous risk management improvement, informs multi-year operations, integrity and maintenance plans, and includes performance measures for our risk management efforts. Water-related impacts are considered within the risk assessment process.

W4.1b

(W4.1b) What is the total number of facilities exposed to water risks with the potential to have a substantive financial or strategic impact on your business, and what proportion of your company-wide facilities does this represent?

	Total number of facilities exposed to water risk	% company-wide facilities this represents	Comment
Row 1	2	100	Given the geographic coverage of our linear infrastructure it is difficult to quantify the number of facilities per river basin exposed to water risk. We have used '2' as Number of Facilities to denote our pipeline networks in both the United States of America and Canada.

W4.1c

(W4.1c) By river basin, what is the number and proportion of facilities exposed to water risks that could have a substantive financial or strategic impact on your business, and what is the potential business impact associated with those facilities?

Country/Area & River basin

Canada	Other, please specify (Multiple River Basins Across Canada)

Number of facilities exposed to water risk
1

% company-wide facilities this represents
100%

Production value for the metals & mining activities associated with these facilities
<Not Applicable>

% company's annual electricity generation that could be affected by these facilities
<Not Applicable>

% company's global oil & gas production volume that could be affected by these facilities
Not applicable

% company's total global revenue that could be affected
Less than 1%

Comment
Enbridge does not produce oil and gas in Canada and therefore neither production volumes nor total global revenue would be affected.

Country/Area & River basin

United States of America	Other, please specify (Multiple River basins across the United States of America)

Number of facilities exposed to water risk
1

% company-wide facilities this represents
100%

Production value for the metals & mining activities associated with these facilities
<Not Applicable>

% company's annual electricity generation that could be affected by these facilities
<Not Applicable>

% company's global oil & gas production volume that could be affected by these facilities
Less than 1%

% company's total global revenue that could be affected
Less than 1%

Comment
Enbridge does not produce oil and gas in the United States and therefore neither production volumes nor total global revenue would be affected.

W4.2

(W4.2) Provide details of identified risks in your direct operations with the potential to have a substantive financial or strategic impact on your business, and your response to those risks.

Country/Area & River basin

Canada	Other, please specify (Multiple River Basins Across the Country)

Type of risk & Primary risk driver

Reputation & markets	Community opposition

Primary potential impact
Brand damage

Company-specific description
The risk posed by a spill or leak from our Liquids Pipelines (LP) network to a watercourse could result in significant negative impacts to our brand image and reputation. This impact could contribute to delays from regulators in permitting and approving future projects, customer transport disruption, potential litigation from impacted Indigenous groups, landowners, water users and other stakeholders and enforcement actions by regulators.

Timeframe
Unknown

Magnitude of potential impact
Medium-low

Likelihood
Unlikely

Are you able to provide a potential financial impact figure?
No, we do not have this figure

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure - minimum (currency)
<Not Applicable>

Potential financial impact figure - maximum (currency)
<Not Applicable>

Explanation of financial impact
Maintaining an elevated level of brand reputation facilitates improved stakeholder support and reduces expenditures arising from delays related to public opposition and regulatory processes. Due to the complexity of the risk from a quantitative perspective the potential impact was left as 0.

Primary response to risk
Other, please specify (Investment in safety and integrity of Liquid Pipelines operations)

Description of response
Management of pipeline integrity for LP, includes considering the following threats: corrosion and cracking, geohazards, third-party mechanical damage to pipe, and human error. Our key priority is to achieve zero spills or leaks of any of the liquids we transport. We address this through design and construction, monitoring and leak and damage prevention.

Each year, we conduct a significant number of pipeline inspections using sophisticated tools that incorporate leading imaging and sensor technology. These tools are capable of scanning for features that could indicate potential problems related to corrosion, cracking, mechanical damage, deformation, or manufacturing or construction defects. Our inspections allow us to monitor the physical condition of our pipelines from the inside and outside, and to gather the information we need to keep our systems fit.

The Enbridge emergency management programs guide our efforts to be prepared for and respond to emergencies. The emergency management programs are built on the “Plan-Do-Check-Act” model to support a continuous improvement cycle. We have defined roles and responsibilities for those who would be involved in emergency response. The training that these individuals receive aligns with the role that they will fill during an emergency and the hazards associated with their area of operation.

Our emergency response training includes appropriate levels of Incident Command System (ICS) training, depending on the role people are expected to play in an emergency and the type of emergencies they would be responding to. While ICS training is an important part of the emergency response training that we offer, it is only one component. For example, within the Liquids Pipelines business unit, operations employees receive specialized training on items such as: boat handling; boom deployment; skimmer operations; and responding in cold weather.

To protect our buried infrastructure from third party damage we support the Common Ground Alliance in the United States and Click-Before-You Dig in Canada.

In 2022, we carried out 564 inline inspections across our liquids and natural gas systems. We carried out 1,355 preventative maintenance digs in 2022 across our liquids and natural gas systems. In 2022, we invested US$18.8 million (C$25.5 million) on advanced leak detection/inspection systems to boost our ability to identify small leaks early, and respond more quickly and effectively.

Cost of response
1830000000

Explanation of cost of response
Protecting the environment in the areas where we operate is a priority for Enbridge. A critical part of that commitment is safeguarding water supplies. This is factored into the full lifecycle of our infrastructure projects. At the front end of the lifecycle, these safeguards include: route selection and identification of high consequence areas, such as drinking water intakes, densely populated areas, and/or ecological resources that may be sensitive to environmental damage; pipeline design and construction methods consistent with industry standards and best practices; use of quality materials; adherence to strict product requirements; adherence to a comprehensive maintenance, inspection and operating program that includes regular internal inspection; and 24-hour monitoring and leak detection capabilities.

If a release is detected or reported, we can promptly shut down and isolate the affected pipeline section or facilities and rapidly dispatch a trained response team, including environmental crews who have an understanding of the products we process and transport. Under the oversight of provincial/state and federal agencies, Enbridge is committed to cleaning and restoring areas affected by a release to limit any long-term impacts to landowners or the environment.

One important example of our environmental protection practices is our investment in of C$1.83 billion in 2022 on programs that help us to maintain the fitness of our systems across our operations in the U.S. and Canada.

W4.2c

(W4.2c) Why does your organization not consider itself exposed to water risks in its value chain (beyond direct operations) with the potential to have a substantive financial or strategic impact?

	Primary reason	Please explain
Row 1	Not yet evaluated	Given the low volumes of water use at this time we have not conducted an evaluation of our value chain risks related to water. Environmental Stewardship is one of the pillars of our Sustainable Supply Chain Management (SCM) strategy and water is considered a priority under that pillar however, our approach to management and conservation of water from an SCM perspective is a longer-term objective.

W4.3

(W4.3) Have you identified any water-related opportunities with the potential to have a substantive financial or strategic impact on your business?
Yes, we have identified opportunities, and some/all are being realized

W4.3a

(W4.3a) Provide details of opportunities currently being realized that could have a substantive financial or strategic impact on your business.

Type of opportunity
Markets

Primary water-related opportunity
Improved community relations

Company-specific description & strategy to realize opportunity
Wherever we engage with Indigenous communities, we pursue the support of economic development opportunities consistent with Indigenous communities' culture and community development plans. Indigenous socio-economic participation is central to our Indigenous Engagement Program. We have long recognized that hiring Indigenous businesses & contractors supports local employment, gives us the opportunity to understand available services and talent, helps us build trust & relationships & helps us achieve better environmental outcomes. A specialized team within our Supply Chain Management (SCM) function focuses exclusively on expanding opportunities for socioeconomic participation by Indigenous groups. The team includes Indigenous business development specialists with the skillsets required to support the achievement of our goals for Indigenous procurement. We also have dedicated SCM staff focused on increasing spend with non-Indigenous diverse suppliers. In Canada, the SCM Indigenous Engagement team developed opportunities for Indigenous communities and businesses with the largest effort on the L3RP. At the end of 2022, 2.5% of our employee workforce are Indigenous (self-identification). We believe that deepening our collective understanding of the history, rights, culture and knowledge of Indigenous peoples is essential to recognizing the necessity of reconciliation. 100% of employees and contractors completed the Indigenous awareness training by end of 2022. By working with our general contractors & Indigenous business in Canada, we generated more than $341MM in spend with indigenous businesses & communities. We are focused on Indigenous-only requests for proposal processes whereby the decommissioning work will be completed by Indigenous businesses & their partnerships. We also began an innovative partnership with the First Nation Capital Investment Partnership to develop the Open Access Wabamun Carbon Hub to help bridge a cleaner energy future with Indigenous economic reconciliation. Enbridge also released its first Indigenous reconciliation action plan in 2022 which continues our long-held commitment to strengthening relationships with Indigenous communities & advancing reconciliation. As a result of our continuous engagement with Indigenous communities, we are able to maintain an elevated level of brand reputation which facilitates improved stakeholder support & reduces expenditures arising from delays related to public opposition & regulatory processes.

Estimated timeframe for realization
1 to 3 years

Magnitude of potential financial impact
Low-medium

Are you able to provide a potential financial impact figure?
No, we do not have this figure

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
<Not Applicable>

Potential financial impact figure – maximum (currency)
<Not Applicable>

Explanation of financial impact
Maintaining an elevated level of brand reputation facilitates improved stakeholder support and reduces expenditures arising from delays related to public opposition and regulatory processes. Due to the complexity of the risk from a quantitative perspective the potential impact was left as 0.

Type of opportunity
Other

Primary water-related opportunity
Other, please specify (Continuous Improvement in Safety and Reliability of Pipeline Operations)

Company-specific description & strategy to realize opportunity
Enbridge continues to uphold safety as a core value and topmost priority across our business. In our training, management and internal communications practices we aim to foster a culture of safety and reliability—recognizing that there's an inextricable link between the safety of our workers and communities, and the reliability and integrity of our assets. Enbridge is a strong advocate of the value that high resolution inline inspection (ILI) tools can provide for the early identification of deterioration like corrosion and cracking. Enbridge has invested, and continues to invest heavily, in the research and development of higher-resolution ILI tools, assessment techniques and reliability models that define risk to the public or environment. Slope inspections, stream-monitoring and LiDAR-equipped aerial surveillance provide advanced warning of natural hazards along the pipeline path. Stringent reliability targets are applied to make sure that our maintenance programs reduce the likelihood of a rupture or major leak to a remote possibility. Enbridge applies this proactive assessment and maintenance approach to every segment of every transmission pipeline, far exceeding regulatory minimum standards. Lessons from near misses and incidents, including incidents experienced by other pipeline companies, are shared within the Company, reviewed on a recurring basis and fed into the ongoing improvement and quality controls for our procedures and practices

We also continued our efforts to prevent excavation damage to buried pipelines by delivering extensive public and municipal education and outreach programs. Among other measures, we continued to maintain and promote a safe excavation online portal launched in 2021 that aims to raise awareness of the importance of safe digging and provides related resources. The Ontario government passed Bill 93 in 2022, which aims to modernize the locate industry with a focus on underground asset safety and improve the timely delivery of locates for excavations across the province. Enbridge, an industry leader, is working collaboratively with all key stakeholders to ensure legislation and associated regulations are adopted effectively to modernize damage prevention for utilities.

Estimated timeframe for realization
1 to 3 years

Magnitude of potential financial impact
Low-medium

Are you able to provide a potential financial impact figure?
No, we do not have this figure

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
<Not Applicable>

Potential financial impact figure – maximum (currency)
<Not Applicable>

Explanation of financial impact
Maintaining an elevated level of brand reputation facilitates improved stakeholder support and reduces expenditures arising from delays related to public opposition and regulatory processes. Due to the complexity of the risk from a quantitative perspective the potential impact was left as 0.

W5. Facility-level water accounting

W5.1

(W5.1) For each facility referenced in W4.1c, provide coordinates, water accounting data, and a comparison with the previous reporting year.

Facility reference number
Facility 1

Facility name (optional)
GTM Canada, LP Canada, GDS.

Country/Area & River basin

Canada	Other, please specify (Multiple River basins across Canada.)

Latitude
0

Longitude
0

Located in area with water stress
No

Primary power generation source for your electricity generation at this facility
<Not Applicable>

Oil & gas sector business division
Midstream/Downstream

Total water withdrawals at this facility (megaliters/year)
4.3

Comparison of total withdrawals with previous reporting year
Much lower

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes
0

Withdrawals from brackish surface water/seawater
0

Withdrawals from groundwater - renewable
1.2795

Withdrawals from groundwater - non-renewable
0

Withdrawals from produced/entrained water
0

Withdrawals from third party sources
2.442545

Total water discharges at this facility (megaliters/year)
4.29

Comparison of total discharges with previous reporting year
Much lower

Discharges to fresh surface water
3.4995

Discharges to brackish surface water/seawater
0

Discharges to groundwater
0

Discharges to third party destinations
0.797844

Total water consumption at this facility (megaliters/year)
0

Comparison of total consumption with previous reporting year
Much lower

Please explain
Our water withdrawal/discharge/consumption volume is primarily driven by the number of projects we had in the reporting year. In 2022, the number and scope of hydrostatic tests undertaken by all business units decreased. Enbridge classifies a decrease in water withdrawal/discharge/consumption volume exceeding 50% as being "much lower" as compared to the previous years' value.

Facility reference number
Facility 2

Facility name (optional)
GTM US, LP US

Country/Area & River basin

United States of America	Other, please specify (Multiple river basins across the United States of America.)

Latitude
0

Longitude
0

Located in area with water stress
No

Primary power generation source for your electricity generation at this facility
<Not Applicable>

Oil & gas sector business division
Midstream/Downstream

Total water withdrawals at this facility (megaliters/year)
93.98

Comparison of total withdrawals with previous reporting year
Much lower

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes
86.82

Withdrawals from brackish surface water/seawater
0

Withdrawals from groundwater - renewable
0

Withdrawals from groundwater - non-renewable
0

Withdrawals from produced/entrained water
0

Withdrawals from third party sources
7.168606965

Total water discharges at this facility (megaliters/year)
93.98

Comparison of total discharges with previous reporting year
Much lower

Discharges to fresh surface water
74.959

Discharges to brackish surface water/seawater
0

Discharges to groundwater
0

Discharges to third party destinations
18.44960697

Total water consumption at this facility (megaliters/year)
0

Comparison of total consumption with previous reporting year
Much lower

Please explain
Our water withdrawal/discharge/consumption volume is primarily driven by the number of projects we had in the reporting year. In 2022, the number and scope of hydrostatic tests undertaken by all business units decreased. Enbridge classifies a decrease in water withdrawal/discharge/consumption volume exceeding 50% as being "much lower" as compared to the previous years' value.

W5.1a

(W5.1a) For the facilities referenced in W5.1, what proportion of water accounting data has been third party verified?

Water withdrawals – total volumes

% verified
Not verified

Verification standard used
<Not Applicable>

Please explain
Our business does not required us to withdraw large volumes of water. Due to low volumes (immaterial) we do not verify this data.

Water withdrawals – volume by source

% verified
Not verified

Verification standard used
<Not Applicable>

Please explain
Our business does not required us to withdraw large volumes of water. Due to low volumes (immaterial) we do not verify this data.

Water withdrawals – quality by standard water quality parameters

% verified
Not verified

Verification standard used
<Not Applicable>

Please explain
Our business does not required us to withdraw large volumes of water. Due to low volumes (immaterial) we do not verify this data.

Water discharges – total volumes

% verified
Not verified

Verification standard used
<Not Applicable>

Please explain
Our business does not required us to withdraw large volumes of water. Due to low volumes (immaterial) we do not verify this data.

Water discharges – volume by destination

% verified
Not verified

Verification standard used
<Not Applicable>

Please explain
Our business does not required us to withdraw large volumes of water. Due to low volumes (immaterial) we do not verify this data.

Water discharges – volume by final treatment level

% verified
Not verified

Verification standard used
<Not Applicable>

Please explain
Our business does not required us to withdraw large volumes of water. Due to low volumes (immaterial) we do not verify this data.

Water discharges – quality by standard water quality parameters

% verified
Not verified

Verification standard used
<Not Applicable>

Please explain
Our business does not required us to withdraw large volumes of water. Due to low volumes (immaterial) we do not verify this data.

Water consumption – total volume

% verified
Not verified

Verification standard used
<Not Applicable>

Please explain
Our business does not required us to withdraw large volumes of water. Due to low volumes (immaterial) we do not verify this data.

W6. Governance

W6.1

(W6.1) Does your organization have a water policy?
No

W6.2

(W6.2) Is there board level oversight of water-related issues within your organization?
Yes

W6.2a

(W6.2a) Identify the position(s) (do not include any names) of the individual(s) on the board with responsibility for water-related issues.

Position of individual or committee	Responsibilities for water-related issues
Board-level committee	Water related issues are addressed and managed through our policies and management systems for Safety and Operational Reliability. 2 Board committees have specific oversight of water-related issues: the Safety and Reliability Committee (S&RC), and the Sustainability Committee (SC). The S&RC's responsibilities include overseeing the Company's safety and operational risk including pipeline and facility integrity management, security, emergency response, enterprise-wide safety culture, and environment health and safety. The S&RC reviews and establishes policies directed at preventing adverse environmental impacts, which may include water-related impacts arising from potential spills and leaks. The SC has oversight of corporate social responsibility and sustainability matters including climate and energy. The SC is also responsible for reviewing and recommending to the Board policies and priorities to guide Enbridge's performance on climate and the energy transition, Indigenous rights and relationships, stakeholder engagement, and other sustainability-related topics which may be water-related. The expertise of our other standing Board Committees is also relevant for water-related oversight. For example, the Audit, Finance & Risk Committee (AFRC) oversees the corporate risk assessment. In 2022, both the SC and the S&RC reviewed the Corporate Risk Assessment and received updates from management on top operational risks, including the risk of an operational incident that impacts a waterbody. For example, the S&RC discussed an operational incident on the Line 3 Replacement project that impacted an aquifer and resulted in enforcement resolutions with the Minnesota Pollution Control Agency and Minnesota Department of Natural Resources. Discussions with the S&RC involved water management considerations and remediation work related to that incident.

W6.2b

(W6.2b) Provide further details on the board's oversight of water-related issues.

	Frequency that water-related issues are a scheduled agenda item	Governance mechanisms into which water-related issues are integrated	Please explain
Row 1	Scheduled - all meetings	Monitoring implementation and performance Reviewing and guiding business plans Reviewing and guiding corporate responsibility strategy Reviewing and guiding risk management policies Reviewing and guiding strategy Setting performance objectives	The Board is responsible for reviewing the Company's strategic planning process and for reviewing and approving its strategic plan. Enbridge has a robust, year-round strategic planning process that combines business unit and enterprise-wide perspectives and includes regular engagement with the Board to ensure alignment and maintain active oversight. The Board dedicates at least one meeting per year to strategic planning, and holds regular strategy update sessions, where progress on the current strategy is discussed and considerations and course corrections are evaluated. This culminates in an annual strategic plan and financial outlook The Board has at least five regularly scheduled meeting per year, including at least one dedicated to strategic planning. There are two Board committees with specific oversight of water-related issues. The Safety and Reliability Committee and the Sustainability Committee. These committees review and assess corporate policies, priorities, practices, and strategies related to safety and environmental protection. The S&RC's mandate includes environment, pipeline and facility integrity management, emergency response preparedness, and other operational risks that could impact water resources. The S&RC receives quarterly reports on the Company's enterprise safety and operational reliability performance as well as updates on initiatives and management system improvements in the areas of safety and reliability. The S&RC also reviews and provides oversight of management's response to significant operational incidents. The S&RC typically meets four times a year and is comprised of four independent directors. The SC's mandate includes environmental risks and opportunities, including responding to shareholder concerns regarding environmental matters, including those related to water. For instance, the SC has been involved in providing oversight of ongoing challenges to the continued operation of Line 5, on the basis of stakeholder concerns over protection of Michigan's waters. The SC receives updates on key environmental, social, political, and public policy issues, impacts, risks, and trends of consequence to Enbridge's operations. The SC typically meets four times per year and is comprised of four independent directors. The expertise of our other standing Board Committees is also relevant oversight of water-related issues. For example, the Audit, Finance & Risk Committee oversees the corporate risk assessment, which includes operational risks that could impact water resources.

W6.2d

(W6.2d) Does your organization have at least one board member with competence on water-related issues?

	Board member(s) have competence on water-related issues	Criteria used to assess competence of board member(s) on water-related issues	Primary reason for no board-level competence on water-related issues	Explain why your organization does not have at least one board member with competence on water-related issues and any plans to address board-level competence in the future
Row 1	Yes	The Governance Committee (GC) of the Board is responsible for determining the appropriate competencies, skills and characteristics required of the Board, maintaining a long-term Board composition plan, and overseeing the process for identifying prospective Board members. The Chair of the Board, President & CEO, and the Chair of the Governance Committee monitor the Board composition on an ongoing basis and make recommendations of the GC in fulfilment of its mandate. We maintain a skills and experience matrix in areas we think are important for a corporation like ours. This skills and experience matrix, disclosed in our Management Information Circular, is used to annually assess our Board composition and in the recruitment of new directors. All 11 of our directors have functional experience in "ESG, corporate social responsibility and sustainability" and 9 of our 11 directors have experience in "health, safety & environment", which includes water-related issues. Our Management Information Circular includes profiles for each of our directors, outlining their background and experience. Several of our Board members have held executive positions related to ESG, environment, health and safety (EHS) and sustainability or currently serve as members on the EHS or ESG committee for other companies. We have a continuing education program for directors that focuses on providing information relating to our business, industry, competitive environment and key risks and opportunities. We offer education sessions for directors on key topics and encourage them to participate in associations and organizations that can broaden their awareness and knowledge of developments relevant to our business.	<Not Applicable>	<Not Applicable>

W6.3

(W6.3) Provide the highest management-level position(s) or committee(s) with responsibility for water-related issues (do not include the names of individuals).

Name of the position(s) and/or committee(s)
Chief Executive Officer (CEO)

Water-related responsibilities of this position
Assessing water-related risks and opportunities
Managing water-related risks and opportunities
Managing public policy engagement that may impact water security
Integrating water-related issues into business strategy

Frequency of reporting to the board on water-related issues
Quarterly

Please explain
A robust governance framework identifies accountabilities and responsibilities at every level of the organization—from the Board of Directors through to all workforce personnel (including employees and contractors). Everyone has the authority to stop unsafe work and is expected to report hazards, potential hazards and incidents. Safety performance metrics are tied to each Enbridge employee's short-term incentive pay. Our integrity management programs include triggers for when precautionary actions must be taken. Lessons from near misses and incidents, including incidents experienced by other pipeline companies, are shared within the Company, reviewed on a recurring basis and fed into the ongoing improvement and quality controls for our procedures and practices. The CEO is updated regularly on key issues impacting the business through the executive leadership team. The CEO provides leadership and direction on our strategy, policies, and activities, including safety and reliability.

Name of the position(s) and/or committee(s)
Other C-Suite Officer, please specify (Executive Vice President & Chief Administrative Officer)

Water-related responsibilities of this position
Assessing water-related risks and opportunities
Managing water-related risks and opportunities
Managing public policy engagement that may impact water security
Integrating water-related issues into business strategy

Frequency of reporting to the board on water-related issues
Quarterly

Please explain
Water protection is integral to our highest priority at Enbridge – which is safety and environmental protection.

The Executive Leadership Team is also Responsible for the Company's sustainability performance; integration of sustainability considerations into strategic and financial plans, and operational and functional responsibilities; and the Company's performance and long-term success. This includes environmental and water-related issues.

Name of the position(s) and/or committee(s)
Chief Sustainability Officer (CSO)

Water-related responsibilities of this position
Assessing water-related risks and opportunities
Managing water-related risks and opportunities
Managing public policy engagement that may impact water security
Integrating water-related issues into business strategy

Frequency of reporting to the board on water-related issues
Quarterly

Please explain
Water protection is integral to our highest priority at Enbridge – which is safety and environmental protection. Responsible for sustainability strategies and policies; management of sustainability performance reporting and disclosure; and public policy. The CSO also has oversight over sustainability related disclosures.

Name of the position(s) and/or committee(s)
Other C-Suite Officer, please specify (Senior Vice President, Safety & Reliability)

Water-related responsibilities of this position
Assessing water-related risks and opportunities
Managing water-related risks and opportunities
Managing public policy engagement that may impact water security
Integrating water-related issues into business strategy

Frequency of reporting to the board on water-related issues
Quarterly

Please explain
We continue to build on our foundation of operating excellence by adhering to a strong set of core values – Integrity, Safety, and Respect – that reflect what is truly important to us as a company. In line with having Safety as a core value, our governance structure is designed to support our continued sustainment of a strong safety culture. Built into our Enbridge Management System Structure, which requires us to do the right thing, the right way, every time, are accountabilities and responsibilities for safety. Overall, our leaders are responsible for developing and supporting improved safety performance and a positive safety culture, as well as for demonstrating and exercising safety leadership. In addition, all workforce personnel (employees and contractors) have a role in helping us sustain our strong safety culture including the responsibility for reporting hazards, potential hazards, and incidents.

W6.4

(W6.4) Do you provide incentives to C-suite employees or board members for the management of water-related issues?

	Provide incentives for management of water-related issues	Comment
Row 1	Yes	Our objective is 100 per cent safe operations and zero incidents and we continually strive towards that objective. The objective is linked to Enbridge's Short-Term Incentive Plan (STIP) which is an annual cash-based incentive plan that creates a link between shared (or common) company-wide goals, business unit goals, and personal performance objective. Goals are set across the company and within each business unit annually to create alignment on business priorities that will help us achieve high levels of success. Water related issues are addressed and managed through our policies and management systems for Safety and Operational Reliability. Our key priority is to achieve zero spills or leaks of any of the hydrocarbons we transport. Resources are directed toward preventing off-property spills and leaks because they can impact the environment, damage property, and impact public and worker safety. This includes watercourses and environmentally sensitive areas.

W6.4a

(W6.4a) What incentives are provided to C-suite employees or board members for the management of water-related issues (do not include the names of individuals)?

	Role(s) entitled to incentive	Performance indicator	Contribution of incentives to the achievement of your organization's water commitments	Please explain
Monetary reward	Corporate executive team Chief Executive Officer (CEO) Chief Financial Officer (CFO) Chief Operating Officer (COO)	Other, please specify (100% Safe Operations and Zero Incidents)	30 - 40% of the business unit metric for annual bonuses for all employees (up to and including the CEO) is ensuring safe, reliable operations, which includes release volume that could impact water resources.	We had a total of 10 reportable spills on our crude oil and liquids systems in 2022—two on Enbridge property, and eight offsite—with a total release volume of 1,370 barrels. Spills on our property were fully contained within our facilities and cleaned up with little or no environmental impact. To put this number in perspective, 1,370 barrels can be contained within two rail cars, and Enbridge's pipeline network delivers about 30% of the crude produced in North America. Our safe delivery record in 2022 was 99.9999684%, and marked our fifth straight year above 99.9999%. However, safety is Enbridge's top priority—and we understand the need for relentless vigilance and focus to ensure the continued safety and reliability of our operations. Our 2022 crude oil pipeline statistics: - 4,336,169,290 Barrels of crude oil safely delivered - 1,370 Total barrels spilled (0.00003%) - 162 Barrels spilled within our facilities -1,207 Total barrels spilled outside of Enbridge's property
Non-monetary reward	No one is entitled to these incentives	<Not Applicable>	<Not Applicable>	Enbridge targets zero incidents, and this target is linked to Enbridge's Short-term Incentive Plan (STIP), which is an annual cash based incentive plan aimed at linking company goals, business unit goals and personal performance.

W6.5

(W6.5) Do you engage in activities that could either directly or indirectly influence public policy on water through any of the following?

Yes, trade associations

W6.5a

(W6.5a) What processes do you have in place to ensure that all of your direct and indirect activities seeking to influence policy are consistent with your water policy/water commitments?

Our direct and indirect activities that influence policy are guided by our Sustainability Policy, Climate Policy, Statement on Business Conduct and our Political Contributions Policy that outlines our political engagement philosophy. These policies help to ensure that Enbridge maintains a consistent approach across the entire business to engagement with policymakers and trade organizations. In 2022, Enbridge made updates to its Sustainability and Climate Policies to ensure they are comprehensive. Our Sustainability Policy confirms Enbridge's commitment to operate in a manner that minimizes the impacts of our business activities on climate, land, air, water, wildlife and biodiversity, and historical and cultural resources. Enbridge's ethics and compliance program assures our adherence with our company policies through ongoing communication, training, monitoring and enforcement. Enbridge participates in the democratic process while adhering to all applicable laws in Canada and the United States. We track and analyze proposed legislation so that we may advocate the company's position when necessary. In doing so, we engage with governments at the state, provincial and federal levels in Canada and the U.S.

W6.6

(W6.6) Did your organization include information about its response to water-related risks in its most recent mainstream financial report?

Yes (you may attach the report - this is optional)

Enbridge Form 10-K - 2.10.2023.pdf

W7. Business strategy

W7.1

(W7.1) Are water-related issues integrated into any aspects of your long-term strategic business plan, and if so how?

	Are water-related issues integrated?	Long-term time horizon (years)	Please explain
Long-term business objectives	Yes, water-related issues are integrated	5-10	Water protection through zero incidents and/or releases from our projects and operations is and will continue to be a top priority at Enbridge. This is aligned with our strategic priority safety and operational reliability.
Strategy for achieving long-term objectives	No, water-related issues were not reviewed and there are no plans to do so	<Not Applicable>	Water-related issues are integrated with our corporate strategic priority of safety and protection of the environment and maintaining the fitness of our energy delivery infrastructure.
Financial planning	No, water-related issues were not reviewed and there are no plans to do so	<Not Applicable>	Water-related issues are not specifically reviewed as part of Enbridge's financial planning; however, they are captured in broader review of safety and asset integrity programs and spend.

W7.2

(W7.2) What is the trend in your organization's water-related capital expenditure (CAPEX) and operating expenditure (OPEX) for the reporting year, and the anticipated trend for the next reporting year?

Row 1

Water-related CAPEX (+/- % change)

0

Anticipated forward trend for CAPEX (+/- % change)

0

Water-related OPEX (+/- % change)

0

Anticipated forward trend for OPEX (+/- % change)

0

Please explain

Over the past three years, our investment in the fitness of our systems has totaled approximately C$5.9billion.

In 2022, Enbridge invested over C$1.83 billion in programs that help us maintain the fitness of our systems and detect leaks across our operations. The cost is associated with labour, equipment, contractors, permitting, environmental protection, etc.

In 2022, we also invested C$25.5 million on advanced leak detection/inspection systems to boost our ability to identify small leaks early, and respond more quickly and effectively.

W7.3

(W7.3) Does your organization use scenario analysis to inform its business strategy?

	Use of scenario analysis	Comment
Row 1	Yes	In 2019 Enbridge released its inaugural Climate Report based on the recommendations of the TCFD. The report assessed long-term strategy for business segments, relative to IEA scenarios. Enbridge updated the analysis to incorporate the APS & Net Zero considerations. We consider decarbonization scenarios such as the IEA's Net Zero Emission by 2050 as part of overall corporate strategic outlook. In 2022, we utilized the three IEA scenarios (STEPS, APS and NZE) to assess the resiliency and strength of our assets & strategies. We used these scenarios to identify potential risks associated with the transition & included scenario analysis of our business units based on a range of cases, including 1.5C pathways. Physical climate risks are integrated into the operational business strategy. i.e. GTM segment incorporates physical risks such as wave height & wind strength from increased storm severity into the business strategy to develop approaches to limit the impact of these risks on assets.

W7.3a

(W7.3a) Provide details of the scenario analysis, what water-related outcomes were identified, and how they have influenced your organization's business strategy.

	Type of scenario analysis used	Parameters, assumptions, analytical choices	Description of possible water-related outcomes	Influence on business strategy
Row 1	Climate-related	As part of our annual enterprise-wide strategic planning process in 2019, we analyzed our portfolio using the International Energy Agency (IEA) Sustainable Development Scenario (SDS) through 2040 to test the resiliency of our strategy and infrastructure in our core businesses. We utilize the IEA scenarios as they are widely recognized, transparent and comparable across our sector. Since this initial exercise, Enbridge has updated the scenario analysis to incorporate the APS and Net Zero considerations. Enbridge considers decarbonization scenarios such as the IEA's Net Zero Emission by 2050 (NZE2050) as part of its overall corporate strategic outlook. Enbridge believes it is critical to consider more accelerated emissions reduction scenarios—including a 1.5C scenario – as part of our overall corporate strategic outlook to identify risks and opportunities. Scenario analysis helps us successfully plan our business strategy and ensure the longevity of our core businesses.	None yet realized, Enbridge is currently focused on climate related outcomes.	We routinely assess the fundamentals of our business under a variety of scenarios, including the prominent and widely referenced International Energy Agency (IEA) World Energy Outlook scenarios. In 2022, we utilized the three IEA scenarios (STEPS, APS and NZE) to assess and illustrate the resiliency and strength of our assets and business strategies. We used these scenarios to help us dimension potential risks associated with the pace of transition. The IEA released its latest flagship report in October 2022 with updates to its regular Stated Policies Scenario (STEPS–2.5-degree rise), Announced Pledges Scenario (APS–1.7 degree rise) and the back-casted Net Zero Scenario (NZE–1.5-degree rise). STEPS outlines an energy future based on existing emission reduction measures and includes policies that are currently in development. The APS outlines an energy future based on announced pledges by governments and reflects a more ambitious transition to a low-carbon economy.

W7.4

(W7.4) Does your company use an internal price on water?

Row 1

Does your company use an internal price on water?

No, and we do not anticipate doing so within the next two years

Please explain

Enbridge does not use an internal price on water and does not anticipate doing so within the next two years.

W7.5

(W7.5) Do you classify any of your current products and/or services as low water impact?

	Products and/or services classified as low water impact	Definition used to classify low water impact	Primary reason for not classifying any of your current products and/or services as low water impact	Please explain
Row 1	No, and we do not plan to address this within the next two years	<Not Applicable>	Other, please specify (We do not classify our products or services as low-water impact based on their intrinsic operational nature.)	Our primary water use is for hydrostatic pressure testing and Enbridge's operations and engineering groups carefully manage water used for this purpose. Our teams have detailed procedures in place to evaluate water quality prior to release or disposal— either returning it to the original source or via other approved disposal methods. Our water usage fluctuates year over year driven by the number of hydrostatic pressure tests we need to perform. On average, over 99% of water used in the hydrostatic pressure testing was returned to its natural environment.

W8. Targets

W8.1

(W8.1) Do you have any water-related targets?

Yes

W8.1a

(W8.1a) Indicate whether you have targets relating to water pollution, water withdrawals, WASH, or other water-related categories.

	Target set in this category	Please explain
Water pollution	Yes	<Not Applicable>
Water withdrawals	No, and we do not plan to within the next two years	Our primary water use is for hydrostatic pressure testing and Enbridge's operations and engineering groups carefully manage water used for this purpose. Our water usage fluctuates year over year driven by the number of hydrostatic pressure testing we need to perform. Therefore, Enbridge does not plan to set a water-related target at this time.
Water, Sanitation, and Hygiene (WASH) services	No, and we do not plan to within the next two years	Our primary water use is for hydrostatic pressure testing and Enbridge's operations and engineering groups carefully manage water used for this purpose. Our water usage fluctuates year over year driven by the number of hydrostatic pressure testing we need to perform. Therefore, Enbridge does not plan to set a water-related target at this time.
Other	Please select	<Not Applicable>

W8.1b

(W8.1b) Provide details of your water-related targets and the progress made.

Target reference number
Target 1

Category of target
Water pollution

Target coverage
Company-wide (direct operations only)

Quantitative metric
Other, please specify (Absolute Reduction in Spills to Environment)

Year target was set
2022

Base year
2022

Base year figure
0

Target year
2022

Target year figure
0

Reporting year figure
10

% of target achieved relative to base year
<Calculated field>

Target status in reporting year
Expired

Please explain
The objective to prevent all liquid spills and leaks and natural gas leaks and spills is based on annual performance and therefore does not incorporate a baseline year as each year's performance is relative to itself. In addition, the objective is absolute and percentage achievement is either 0 or 100%. Enbridge experienced ten incidents in 2022; therefore did not achieve its objective of preventing all liquid spills and therefore the result was 0%.

W9. Verification

W9.1

(W9.1) Do you verify any other water information reported in your CDP disclosure (not already covered by W5.1a)?
No, we do not currently verify any other water information reported in our CDP disclosure

W10. Plastics

W10.1

(W10.1) Have you mapped where in your value chain plastics are used and/or produced?

	Plastics mapping	Value chain stage	Please explain
Row 1	Please select	<Not Applicable>	

W10.2

(W10.2) Across your value chain, have you assessed the potential environmental and human health impacts of your use and/or production of plastics?

	Impact assessment	Value chain stage	Please explain
Row 1	Please select	<Not Applicable>	

W10.3

(W10.3) Across your value chain, are you exposed to plastics-related risks with the potential to have a substantive financial or strategic impact on your business? If so, provide details.

	Risk exposure	Value chain stage	Type of risk	Please explain
Row 1	Please select	<Not Applicable>	<Not Applicable>	

W10.4

(W10.4) Do you have plastics-related targets, and if so what type?

	Targets in place	Target type	Target metric	Please explain
Row 1	Please select	<Not Applicable>	<Not Applicable>	

W10.5

(W10.5) Indicate whether your organization engages in the following activities.

	Activity applies	Comment
Production of plastic polymers	Please select	
Production of durable plastic components	Please select	
Production / commercialization of durable plastic goods (including mixed materials)	Please select	
Production / commercialization of plastic packaging	Please select	
Production of goods packaged in plastics	Please select	
Provision / commercialization of services or goods that use plastic packaging (e.g., retail and food services)	Please select	

W11. Sign off

W-FI

(W-FI) Use this field to provide any additional information or context that you feel is relevant to your organization's response. Please note that this field is optional and is not scored.

Forward-looking information

This document includes certain forward-looking statements and information (“FLI”) about Enbridge, including management’s assessment of Enbridge’s future plans and operations, which FLI may not be appropriate for other purposes. Forward-looking statements are typically identified by words such as "anticipate", “believe”, "estimate", "expect", "forecast", "intend", "likely", “plan”, "project", “target”, and similar words suggesting future outcomes or statements regarding an outlook. Forward-looking information or statements in this document include statements with respect to the following: our corporate vision and strategy, including strategic priorities and enablers; energy transition and lower-carbon energy, and our approach thereto; our environmental, social and governance (ESG) goals, practices and performance, including emissions intensity and emissions reduction targets; our plans to achieve our ESG goals and targets, including our pathways to net zero; expected resiliency of our assets and growth opportunities under climate change scenarios; industry and market conditions; estimated financial implications of climate-related risks and opportunities, including the costs associated with mitigating those risks and developing those opportunities and the associated timelines; and expected capital expenditures.

Although Enbridge believes these forward-looking statements are reasonable based on the information available on the date such statements are made and processes used to prepare the information, such statements are not guarantees of future performance and readers are cautioned against placing undue reliance on forward-looking statements. By their nature, these statements involve a variety of assumptions, known and unknown risks and uncertainties and other factors, which may cause actual results, levels of activity and achievements to differ materially from those expressed or implied by such statements. Material assumptions include assumptions about the following: energy transition including the drivers and pace thereof; the expected supply of, demand for, and prices of crude oil, natural gas, natural gas liquids (NGL), liquefied natural gas (LNG) and renewable energy; anticipated utilization of our existing assets; operational reliability and performance; customer, regulatory and stakeholder support and approvals; changes in legislation, regulations or government policy applicable to our businesses; the development and performance of technology and new energy efficient products, services and programs; long-term energy future scenarios; and successful collaboration with partners and others to advance ESG goals. Due to the interdependencies and correlation of these macroeconomic factors, the impact of any one assumption on a forward-looking statement cannot be determined with certainty.

Enbridge's forward-looking statements are subject to risks and uncertainties, including, but not limited to those risks and uncertainties discussed in this Response and in Enbridge’s other filings with Canadian and United States securities regulators. The impact of any one risk, uncertainty or factor on a particular forward-looking statement is not determinable with certainty as these are interdependent and Enbridge's future course of action depends on management's assessment of all information available at the relevant time. Except to the extent required by applicable law, Enbridge assumes no obligation to publicly update or revise any forward-looking statements made in this Response or otherwise, whether as a result of new information, future events or otherwise. All subsequent forward-looking statements, whether written or oral, attributable to Enbridge or persons acting on its behalf, are expressly qualified in their entirety by these cautionary statements.

Non-GAAP and other financial measures

This document makes reference to non-GAAP and other financial measures, including adjusted earnings before interest, taxes, depreciation and amortization (EBITDA). Management believes the presentation of these metrics gives useful information to investors and shareholders as they provide increased transparency and insight into Enbridge’s performance. Management uses EBITDA to set targets and to assess the performance of Enbridge and its business units. Our non-GAAP and other financial measures described above are not measures that have standardized meaning prescribed by generally accepted accounting principles in the United States of America (U.S. GAAP) and are not U.S. GAAP measures. Therefore, these measures may not be comparable with similar measures presented by other issuers. A reconciliation of historical non-GAAP and other financial measures to the most directly comparable GAAP measures is available on Enbridge’s website. Additional information on non-GAAP and other financial measures may be found in Enbridge’s earnings news releases or in additional information on Enbridge’s website, www.sedar.com or www.sec.gov.

W11.1

(W11.1) Provide details for the person that has signed off (approved) your CDP water response.

	Job title	Corresponding job category
Row 1	Chief Sustainability Officer	Chief Sustainability Officer (CSO)

Submit your response

In which language are you submitting your response?
English

Please confirm how your response should be handled by CDP

	I understand that my response will be shared with all requesting stakeholders	Response permission
Please select your submission options	Yes	Public

Please indicate your consent for CDP to share contact details with the Pacific Institute to support content for its Water Action Hub website.
No

Please confirm below
I have read and accept the applicable Terms