2021 Data Supplement GRI and SASB Index

CN

DELIVERING RESPONSIBLY

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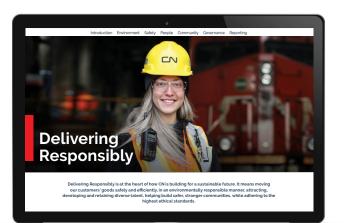
We welcome comments, questions and feedback on this report. Please contact:

Chantale Després Assistant Vice-President, Sustainability <u>chantale.despres@cn.ca</u>

Canadian National Railway Company 935 de La Gauchetière Street West Montreal, Quebec H3B 2M9

P.O. Box 8100 Montreal, Quebec H3C 3N4

1-888-888-5909



Transparent reporting is part of our commitment to be open about our business and to communicate our progress with focus, clarity and comparability.

Our Approach and Scope

We typically issue our full Delivering Responsibly Sustainability Report on a biennial basis. In the interim, we publish the following data supplement to disclose key performance metrics annually and supplement our most recent comprehensive sustainability report available at www.cn.ca/delivering-responsibly.

The scope of information covered in this supplement relates to our operations in Canada and the U.S., in the 2018 to 2021 calendar years, unless otherwise noted.

Reporting Standards

This report has been prepared in accordance with the Global Reporting Initiative (GRI) Standards: Core option. The GRI is an independent institution that provides a standard framework for sustainability reporting across companies and industries.

This report has also been prepared in accordance with the Rail Transportation Sustainability Accounting Standard developed by the Sustainability Accounting Standards Board (SASB). SASB connects businesses and investors on the financial impacts of sustainability.

Our Delivering Responsibly website provides online access to our 2020 Full Sustainability Report as well as all current and past reports.

www.delivering-responsibly.cn.ca

External Assurance

We are dedicated to continuously improving our sustainability reporting and believe that independent assurance leads to auality and process improvements. Our environmental data related to GHG emissions from Scope 1 (locomotive emissions), Scope 2 (electricity consumption) and Scope 3 (locomotive fuel production, purchased goods and services, capital goods, and upstream transportation and distribution) were verified by PricewaterhouseCoopers to a limited level of assurance in accordance with the International Standards on Assurance Engagements 3410, Assurance Engagements on Greenhouse Gas Statements ("ISAE 3410"), issued by the International Auditing and Assurance Standards Board with guidance for the validation and verification of greenhouse gas assertions. The statements can be found at www.cn.ca/delivering-responsibly.

Additional information

We also provide more details on our website, which hosts numerous corporate disclosure reports as well as information on our policies, initiatives and culture, and via other publications and CN's social media platforms.

In addition, we provide information to the CDP, the Dow Jones Sustainability Index (DJSI) and other organizations that assess our sustainability performance. An index of our conformance to the GRI Standards: Core option and SASB: Rail Transportation Sustainability Accounting Standard reporting requirements and references to other relevant information sources can be found at the end of this supplement.

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Identifying our Material Topics

In 2020, we received input from 378 stakeholders using an electronic survey to understand the sustainability topics that most influence their decisions or perspectives of CN. Diverse groups were engaged, including employees, suppliers, governments, railway associations, customers, investors, unions, Indigenous peoples, community groups, and NGOs. The selection and identification of stakeholders considered their geographic representation and their influence and interest in our business. We also engaged with our executive management to further inform the sustainability topics prioritization process.

The most important topics are plotted on our prioritization matrix and are covered in our 2020 full Delivering Responsibly Sustainability Report.

We also identified where the impacts could occur within and outside of our business. The diagram below provides an overview of where our impact could occur along the value chain. We apply the principles of materiality and stakeholder inclusiveness to prioritize the topics that matter most to our business and our stakeholders – helping us to focus our strategic priorities, refine our reporting, and inform the evolution of our sustainability programs.

OUR PRIORITIZATION MATRIX



WHERE IMPACTS CAN OCCUR ALONG CN'S VALUE CHAIN



Our Suppliers



CN's Corporate Office Buildings and Rail Yards



CN's Transportation Services and Operations

Impact



Our

Customers



Broader Community and Ecosystem

Progress Toward Goals

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Торіс	Mid-Term Target	2021 Progress	Trend	Long-Term Goal
ENVIRONMENT				
GHG Emissions	43% scope 1 and 2 intensity reduction by 2030 based on 2019	In 2021, CN reduced its GHG emission intensity for scope 1 and 2 by 3.3% from 2020. CN has realized a 15% progress towards its 2030 target.	•	We have committed to setting a net-zero 2050 target
	40% scope 3 intensity reduction by 2030 based on 2019	In 2021, CN reduced its GHG emission intensity for scope 3 by 4.6% from 2020. CN has realized a 32% progress towards its 2030 target.	• We have corr • We have corr • In line with o • In line with o • We aim to ple • efficiency an • We aim to ple • We aim to ple • We aim to ple • Our goal is to • Our goal is to • Our goal is to • We aspire to workforce th we serve. • Our longer-te • Our longer to	by signing the "Business Ambition for 1.5°C".
Air Emissions	6% intensity reduction by 2022 based on 2017	In 2021, CN achieved it's 6% intensity-based reduction in Criteria Air Contaminants by 2022 based on 2017 levels target which was based on a long-standing Memorandum of Understanding (MOU) with Transport Canada.	•	In line with our commitment to net-zero carbon emissions, we aim to also reduce our locomotive air emissions to zero by 2050.
Waste	95% diverted from landfill by 2030	In 2021, CN diverted approximately 96% of its waste from landfill. CN has met its 95% target.	•	We aim to play an important role for greater resource efficiency and the creation of regenerative economic systems and to achieve zero waste by 2050.
Biodiversity	3 million trees planted by 2030	In 2021, CN planted 112,000 trees, for a total of 2.3 million trees since 2012. CN has realized a 77% progress towards its 2030 target.	•	We aim to have a positive impact by protecting and investing in reforestation projects that generate benefits for nature and society.
SOCIAL				
Personal Safety	55% reduction in personal injury frequency rate (per 200,000 person hours) by 2030 based on 2019	In 2021, CN improved its Federal Railroad Administration (FRA) injury frequency rate by 19% from 2020. CN has realized a 59% progress towards its 2030 target.	•	Our goal is to create a values-based safety culture an to reduce serious injuries and fatalities to zero.
Operational Safety	45% reduction in accident rate (per million train miles) by 2030 based on 2019	In 2021, CN improved its FRA train accident rate by 2.7% from 2020. CN has realized a 41% progress towards its 2030 target.		Our goal is to be the safest railroad in North America by establishing an unwavering safety culture and investing in technology and infrastructure.
Executive Diversity	30% female representation at executive level by 2022	At the end of 2021, 6 of the 35 executive management roles (17%) were held by women. CN continues to focus on increasing diversity through its succession planning strategies.	•	We aspire to build an inclusive society and have a workforce that reflects the diversity of the stakeholder we serve.
GOVERNANCE				
Board Diversity	50% non-management Board members from diverse groups, including gender parity by 2022	At the end of 2021, 5 of the 10 independent Board members (50%) were women. CN has met its 2022 target. In addition, 20% of independent Board members identified as visible minorities.	•	Our longer-term goal is to be at the leading edge of ESG best practices across North America and globally.

● Green: On target ● Yellow: Possible to meet target ● Red: Off target

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The following data covered in this report applies to CN and its subsidiaries. CN subsidiaries are listed in the 2021 Annual Information Form on page 2.

Data	Measurement	2021	2020	2019	2018	GRI	SASB
ABOUT CN							
ACTIVITY MEASURES							
Carloads transported	Number (thousands)	5,701	5,595	5,912	5,976	201-1	000.A
Intermodal units transported ^(a)	Number (thousands)	2,611	2,582	2,618	2,634	201-1	000.B
Route miles (includes Canada and the U.S.)	Number	19,500	19,500	19,500	19,500	201-1	000.C
Revenue ton miles (RTMs) ^(b)	Million	233,138	230,390	241,954	248,383	201-1	000.D
Gross ton miles (GTMs) ^(c)	Million	458,401	455,368	482,890	490,414	201-1	-

(a) Intermodal units transported are a subset of the carloads transported.

(b) Revenue ton miles (RTMs) refers to the movement of one revenue-producing ton of freight over a distance of one mile. RTMs are calculated by multiplying the weight in tons of the shipment lading being transported (or "tons of lading carried in the Carload") by the number of miles that the shipment (or Carload) is transported on company rail lines. The tare weight of the railcar is excluded.

(c) Gross ton miles (GTMs) refers to the movement of one ton of freight or equipment over one mile. GTMs are calculated by multiplying the trailing train weight by the distance the train moved.

OUR BUSINESS AT A GLANCE

Data Tables

CN is a leading North American transportation and logistics company, and our 19,500-mile network spans Canada and Mid-America, connecting ports on three coasts. We offer fully integrated rail and other transportation services, including intermodal, trucking, freight forwarding, warehousing and distribution. Serving exporters, importers, retailers and manufacturers, we move raw materials, intermediate goods and finished products to market, fostering the prosperity of the markets we serve.

\$2.9B 2021 REVENUES BY COMMODITY GROUP 2021 REVENUES BY GEOGRAPHIC FLOW (% of total revenues) (% of freight revenues) 28% Intermodal **35%** Overseas **CAPITAL INVESTMENTS** 20% Petroleum and chemicals **31%** Transborder **17%** Grain and fertilizers **18%** Canadian domestic **12%** Forest products ■ 16% U.S. domestic 11% Metals and minerals 4% Automotive 4% Coal 4% Other revenues **ROUTE MILES**

2021 KEY STATISTICS

>300M TONS OF CARGO MOVED

REVENUES

22,604

\$14.5B

EMPLOYEES (end of period)

9

19,500

PORTS SERVED

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Data	Measurement	2021	2020	2019	2018	GRI	SASB
ENVIRONMENT							
EMISSIONS							
Total GHG emissions (Scopes 1 and 2) ^{(a) (b)}	Metric tonnes of CO2e	5,233,561	5,377,015	5,935,911	5,965,175	_	_
Direct GHG emissions (Scope 1) ^(b)	Metric tonnes of CO2e	5,084,159	5,213,652	5,771,270	5,776,183	305-1	110a.1
Rail locomotives	Metric tonnes of CO2e	4,413,456	4,475,588	4,962,923	5,095,382	305-1	110a.1
Intermodal CNTL trucks ^(c)	Metric tonnes of CO2e	91,891	99,932	140,760	149,620	305-1	110a.1
Intermodal TransX trucks ^(d)	Metric tonnes of CO2e	125,229	136,335	116,548	N/A	305-1	110a.1
Marine vessel fleet	Metric tonnes of CO2e	146,860	155,596	191,557	192,860	305-1	110a.1
On Company Service (OCS) fleet ^(e)	Metric tonnes of CO2e	74,195	79,104	95,552	95,664	305-1	110a.1
Intermodal equipment	Metric tonnes of CO ₂ e	76,711	69,344	60,834	62,323	305-1	110a.1
Miscellaneous fuel emissions ^(f)	Metric tonnes of CO2e	155,816	197,755	203,095	180,334	305-1	110a.1
Indirect GHG emissions (Scope 2) ^(g)	Metric tonnes of CO ₂ e	149,402	163,363	164,641	188,992	305-2	_
Other indirect GHG emissions (Scope 3) ^(h)	Metric tonnes of CO ₂ e	2,188,444	2,264,070	2,778,723	2,488,659	305-3	_
GHG emission intensity ⁽ⁱ⁾							
Total GHG emissions (by rail freight revenue)	Metric tonnes of CO₂e per thousand dollars of rail freight revenue	0.38	0.41	0.42	0.44	305-4	_
Total GHG emissions (by employee)	Metric tonnes of CO ₂ e per full-time employee	217	226	222	235	305-4	_
Impact of service							
Rail emission intensity ^(j)	Metric tonnes of CO ₂ e per million GTMs	9.63	9.83	10.28	10.39	_	110a.1
CNTL truck emission intensity	Metric tonnes of CO₂e per thousand kilometres travelled	1.12	1.14	1.21	1.21	_	110a.1
TransX truck emission intensity ^(k)	Metric tonnes of CO₂e per thousand kilometres travelled	1.22	1.20	1.16	N/A	_	110a.1
Marine vessel emission intensity	Metric tonnes of CO2e per million net ton miles	15.23	16.43	16.63	16.20	_	110a.1
Target							
Measure (GHG Scope 1 and 2 emission intensity) ⁽¹⁾	Metric tonnes of CO ₂ e per million GTMs	10.87	11.24	11.61	N/A	_	110a.2
GHG Scope 1 and 2 science-based target progress ^(m)	% of progress towards target	14.7%	7.3%	N/A	N/A	_	110a.2
Measure (GHG Scope 3 fuel- and energy-related activities emissions intensity) ⁽ⁿ⁾	Metric tonnes of CO₂e per million GTMs	3.15	3.30	3.61	N/A	_	110a.2
GHG Scope 3 science-based target progress ^(o)	% of progress towards target	32.0%	21.6%	N/A	N/A	_	110a.2
ENERGY							
Total direct and indirect energy consumed within the organization ^(p)	Megawatt hours	19,624,158	20,076,587	22,164,802	22,149,870	302-1	_
Total direct energy consumed	Megawatt hours	19,069,696	19,519,436	21,597,440	21,558,096	302-1	_
Diesel (used for locomotives)	Megawatt hours	16,211,053	16,317,548	18,179,235	18,637,602	302-1	110a.3
Diesel (other)	Megawatt hours	2,058,436	2,179,027	2,346,748	1,858,793	302-1	110a.3
Natural gas	Megawatt hours	514,486	701,688	709,613	702,780	302-1	110a.3
Other fuels (propane, gasoline, kerosene, stove oil, furnace oil)	Megawatt hours	285,722	321,173	361,845	358,920	302-1	110a.3
Total indirect energy consumed – electricity	Megawatt hours	554,461	557,151	567,362	591,775	302-1	_
Total renewable energy consumed ^(q)	Megawatt hours	612,512	410,590	468,759	444,660	302-1	110a.3
Total non-renewable energy consumed	Megawatt hours	19.011.646	19,665.997	21,696,043	21,705.210	302-1	_

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ENVIRONMENT							
Energy intensity ^(r)	Megawatt hours per million CDN dollars of rail freight revenue	1.41	1.52	1.56	1.63	302-3	110a.3
Locomotive fuel efficiency ^(s)	GTMs per US gallon of fuel consumed	1,138	1,118	1,070	1,060	302-3	
Locomotive fuel efficiency savings ^(t)	\$ million (CAD)	17	59	14	(4)	_	
NO _x , SO _x , AND OTHER SIGNIFICANT EMISSIONS IN CANA	ADA ^(u)						
Nitrous oxide (NO _x)	Kilotonnes	40.05	36.58	41.53	43.10	305-7	120a.
Sulphur dioxide (SO _x)	Kilotonnes	0.03	0.03	0.03	0.03	305-7	120a.
Particulate matter	Kilotonnes	0.79	0.74	0.84	0.87	305-7	120a.
Hydrocarbons	Kilotonnes	1.60	1.46	1.66	1.74	305-7	120a.
Carbon monoxide	Kilotonnes	9.39	8.13	8.84	8.89	305-7	120a.
NO _x , SO _x , AND OTHER SIGNIFICANT EMISSIONS IN THE	U.S. ^(u)						
Nitrous oxide (NO _x)	Kilotonnes	3.79	15.38	18.84	19.47	305-7	120a.
Sulphur dioxide (SO _x)	Kilotonnes	1.38	0.69	0.84	0.77	305-7	120a.
Particulate matter	Kilotonnes	0.18	0.34	0.42	0.43	305-7	120a.
Hydrocarbons	Kilotonnes	0.20	0.64	0.78	0.82	305-7	120a
Carbon monoxide	Kilotonnes	0.55	3.10	3.71	3.77	305-7	120a.
EFFLUENTS AND WASTE							
Total weight of waste generated ^(v)	Metric tonnes	345,549	348,970	397,406	340,291	306-2	
Total hazardous waste generated	Metric tonnes	637	604	787	881	306-2	
Disposal methods							
Recycled	Metric tonnes	531	563	698	830	306-2	
Recovery for energy	Metric tonnes	14	14	35	9	306-2	
Incinerated	Metric tonnes	5	5	24	8	306-2	
Deep-well injected	Metric tonnes	0	0	0	0	306-2	
Sent to landfill	Metric tonnes	12	15	28	31	306-2	
Treatment	Metric tonnes	75	7	2	3	306-2	
Water discharge	Metric tonnes	0	0	0	0	306-2	
Disposed in caverns	Metric tonnes	0	0	0	0	306-2	
Waste fuel blended	Metric tonnes	0	0	0	0	306-2	
Total non-hazardous waste generated	Metric tonnes	344,912	348,366	396,619	339,410	306-2	
Disposal methods							
Recycled	Metric tonnes	205,165	202,805	235,905	164,935	306-2	
Recovery for energy	Metric tonnes	117,001	119,405	127,779	143,524	306-2	
Incinerated	Metric tonnes	23	18	10	14	306-2	
Deep-well injected	Metric tonnes	325	232	544	194	306-2	
Sent to landfill	Metric tonnes	14,832	17,664	21,526	21,309	306-2	
Treatment	Metric tonnes	7,566	8,241	10,855	9,434	306-2	
Water discharge	Metric tonnes	0	0	0	0	306-2	
Disposed in caverns	Metric tonnes	0	0	0	0	306-2	
Waste fuel blended	Metric tonnes	0	0	0	0	306-2	

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	Data	Measurement	2021	2020	2019	2018	GRI	SAS
	ENVIRONMENT							
R REPORTING	WATER							
	Water consumption from municipal sources ^(w)	Million litres	1,852	1,689	1,775	1,647	303-1	
	BIODIVERSITY AND LAND MANAGEMENT							
OGRESS	Spend on site assessments and remediation	\$ million	26	42	34	34	_	
WARD GOALS								
TARD GOALS	(a) Our Scope 1 and 2 GHG emissions are consolidated b		1		с., <u>т</u> тт			
		emissions. The GHG Protocol was applied. We measured carbon dioxide, metha	ine and nitrous oxid	e using emission	factors and glob	al warming pote	entials from the E	nvironmen
		nal Panel on Climate Change Sixth Assessment reports, respectively. o reconciliations in diesel volumes and kilometres travelled.						
TA TABLES	(d) 2019 and 2020 data has been restated to exclude nor							
	(a) 2019 and 2020 data has been restated to exclude hold (e) 2020 emissions data has been restated to account fo							
have CN	(f) 2019 and 2020 data has been restated to account to							
bout CN		ssions only. The GHG Protocol was used to calculate the Scope 2 GHG emissions	s. coverina carbon d	ioxide. methane	and nitrous oxide	e. Scope 2 emiss	ions were calcula	ted usina
nvironment		an utility cost per MWh conversion factors and used emission factors from Enviro						
afety	2	uel production (of fuel for our locomotive, trucking, marine, and On Company Se	ervice fleets), purcha	used acods and s	ervices capital a	loods waste aer	nerated in operat	ions
		bution. Emissions were calculated using standard emission factors multiplied by						
eople	and to account for reconciliations in fuel data.		doutine, lotolo of do		20 01110010110 1101	010010100 10101		10 10 00010
	(i) Calculations for GHG emission intensity covers Scope	e 1 and 2 emissions only.						
Community	(j) Rail emission intensity is a measure of the tonnes of C	CO_2 e generated by locomotives per million gross ton miles (GTM).						
nd Economy	(k) The emissions intensity of the recently acquired Trans	X trucking fleet is reported separately to provide year-over-year comparability.	The TransX truck er	missions intensity	reported for 201	9 has been resta	ated to account fo	or the
	previously overstated kilometres travelled.							
	(1) GHG emissions are total Scope 1 and 2. Gross ton mil	es (GTM) include rail, marine vessels and trucks.						
		te Scope 1 and 2 emissions per million GTMs by 43% by 2030, compared to a 20)19 base year.					
INDEX		ated activities. GTMs include rail, marine vessels and trucks.						
	5	te Scope 3 emissions from fuel- and energy-related activities per million GTMs b	, , ,	1	/			
		nsumed within the Company. Conversions to MWh from volumes of fuel were bo	ased on Natural Res	ource Canada co	onversion factors,	, and include rer	newable fuel volu	mes
SB INDEX		ty invoice data using North American utility cost per MWh conversion factors.						
	57	in our locomotives, as well as location-based low carbon electricity.		1. 1				
		ring locomotive fuel, non-locomotive fuel, electricity, natural gas, and other fuel	s such as propane, g	gasoline, kerosen	e, stove oil, and f	urnace oil. The e	energy is used wit	hin the
	organization only.		Contractor					
R SUSTAINABILITY		from 2017, in line with the Railway Association of Canada MOU with Transport on the fuel efficiency gain in gallons per GTM multiplied by GTMs for that year. <i>I</i>		ingo wara than as	time at a d by my ulti	nhuing the fuel o	allong agued by t	
MMITMENT	price of fuel for the previous year.	on the fuel efficiency gain in gallons per GTM multiplied by GTMs for that year. /	Associated cost sav	ings were then es	aimatea by muiti	plying the fuel g	jalions savea by t	ne averag
		inant (CAC) emissions for the locomotive fleet follows the methodology applied	for the Pailway Ass	ociation of Cana		otive Emissions	Monitoring The (~^_
		mission factors from GREET 2021 and a US EPA report (Average In-Use Emission						
	and Marine Engineers are used to calculate CACs for		is nonnicatly bacy		2000). Emission		boolety of Havai	/ (10)110000
		scrap metal, locomotive lead acid batteries and day-to-day office and yard wa	uste. Waste auantitie	es are provided b	v our third-party	waste disposal	contractors Whe	re data w
		stry standards. Definitions of hazardous and non-hazardous waste are based on						
		associated quantities are provided to us by our third-party waste disposal contr						
		es using North American average water costs per cubic metre. Given the nature		ve do not consum	ne significant auc	antities of water	in our business.	
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SAFETY							
JOINT MANAGEMENT: WORKER HEALTH AND SAFETY (H&S) COMMITTEES							
Number of joint union-management H&S committees ^(a)	Number	79	82	88	103	403-1	-
% of workforce represented in joint union-management H&S committees ^(b)	%	89	90	89	89	403-1	-
WORK-RELATED INJURIES							
Total recordable incident rate (TRIR) ^(c)	Ratio	2.87	3.17	3.51	3.33	403-9	320a.
Injury frequency rate – Federal Railroad Administration (FRA) ^{(d}	⁾ Ratio	1.33	1.64	1.97	1.83	403-9	320a.
Canada	Ratio	1.33	1.63	2.08	1.68	403-9	320a.
U.S.	Ratio	1.30	1.66	1.74	2.17	403-9	320a.:
Women	Ratio	1.02	1.15	1.26	1.25	403-9	320a.
Men	Ratio	1.36	1.69	2.05	1.90	403-9	320a.
Lost-time injury frequency rate – FRA ^(e)	Ratio	0.98	1.08	1.18	1.13	403-9	320a.:
Canada	Ratio	0.87	0.96	1.07	1.11	403-9	320a.:
U.S.	Ratio	1.20	1.36	1.41	1.82	403-9	320a.
Women	Ratio	0.73	0.73	0.70	1.03	403-9	320a.
Men	Ratio	1.00	1.11	1.23	1.37	403-9	320a.
FATALITIES							
On-duty employees							
Canada	Number	1	2	1	1	403-9	320a.:
U.S.	Number	0	1	0	0	403-9	320a.
Women	Number	0	1	0	0	403-9	320a.
Men	Number	1	2	1	1	403-9	320a.
Fatality rate ^(f)	Ratio	0.00	0.01	0.00	0.00	403-9	320a.
Contract workers							
Contract worker fatalities ^(g)	Number	0	0	0	0	403-9	320a.
TRAIN ACCIDENTS							
Train-related incidents and accidents ^(h)	Number	515	568	949	981	_	540a.
FRA train accidents(i)	Number	116	118	166	151	_	540a.
FRA train accident rate ^(j)	Per million train miles	1.82	1.87	2.23	2.02	_	540a.
Transportation Safety Board of Canada (TSB) train accidents	Number	208	283	310	371	_	540a.
TSB train accident rate ^(k)	Per million train miles	4.66	6.34	5.92	7.01	_	540a.
Grade crossing accidents	Number	182	177	233	187	_	540a.
Grade crossing accident rate ^(I)	Per million train miles	2.85	2.80	3.51	2.66	_	540a.
Trespassing accidents	Number	61	61	65	75	_	540a.
Trespassing accident rate	Per million train miles	0.96	0.96	0.98	1.07	_	540a.
Train vs. vehicle fatalities ^(m)	Number	13	18	23	25	_	540a.
Train vs. vehicle injuries ⁽ⁿ⁾	Number	54	71	66	73	_	540a.

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SAFETY							
Train-related accidents involving the release of hazardous materials ^(o)	Number	1	4	3	2	-	540a.2
Non-accident releases of hazardous materials ^(p)	Number	45	48	57	91	_	540a.2
SIGNIFICANT SPILLS							
Significant spill events ^(q)	Number of spills	16	12	34	22	306-3	-
FRA RECOMMENDATIONS							
Number of FRA recommended violation defects ^(r)	Number	123	165	176	202	_	540a.3
TRACK INSPECTIONS							
Frequency of internal railway integrity inspections ^(s)	Ratio	1.77	1.74	1.77	1.76	-	540a.4

(a) The joint union-management health and safety committees exist at the local level across the system.

- (b) The percentage of workforce represented in joint union-management H&S committees is based on the total number of employees.
- (c) Total recordable incident rate (TRIR) is a measure of recordable work-related injuries and illnesses. TRIR is calculated as total number of recordable cases multiplied by 200,000, divided by total employee hours worked during the reporting period. Recordable incidents include all safety-related events reported by employees. Safety statistics are based on estimated data and continue to be restated as actuals settle. The 2020 ratio has been restated to reflect the most up to date safety data.
- (d) The Federal Railroad Administration (FRA) Injury frequency rate reflects the frequency of personal injuries, multiplied by 200,000, divided by total employee hours. FRA personal injuries are limited to personal injuries that require employees to lose time away from work, modify their normal duties or obtain medical treatment beyond minor first aid. FRA personal injury employee hours are total hours worked, excluding vacation and sick time, by all employees, excluding contractors. In 2021, 85% of our reportable injuries represented: sprain or strain (41%), cut/laceration/abrasion (14%), painful body part (14%), fracture (8%) and bruise/contusion (8%). The remaining 15% is represented by over 17 different injury types.
- (e) Lost-time injury frequency rate (LTIFR) reflects an injury that results in calendar days away from work, as recommended by a physician. LTIFR is calculated as total number of injuries that result in an employee losing time away from work, multiplied by 200,000, divided by total employee-hours worked during the reporting period.
- (f) Fatality rate is a measure for work-related fatalities. The rate is calculated as total number of recordable cases multiplied by 200,000, divided by total employee hours worked during the reporting period.
- (g) Contract worker fatalities refer to incidents resulting in the death of an employee of a third-party service provider, while performing work on behalf of CN.
- (h) A train-related incident or accident refers to any event where rolling stock gets involved in either a derailment or a collision with another rolling stock. A derailment is an event where one or more wheels of rolling stock have come off the normal running surface of the rail. A collision is an event where two rolling stocks come into contact unintentionally. Safety statistics are based on estimated data and continue to be updated as actuals settle. The 2020 number has been restated to reflect the most up to date safety data.
- (i) FRA reportable train accidents refer to a subset of reported train-related incidents and include only those events involving damage exceeding a specific monetary value set by the FRA. The reporting threshold for 2018–2020 was US\$10,700 in damage and US\$11,200 in damage for 2021. Safety statistics are based on estimated data and continue to be updated as actuals settle. The 2020 number has been restated to reflect the most up to date safety data.
- (j) FRA train accident rate reflects the number of train accidents resulting in damage exceeding a specific monetary threshold (set by FRA), multiplied by 1,000,000, divided by total train miles travelled during the reporting period. Safety statistics are based on estimated data and continue to be updated as actuals settle. The 2020 ratio has been restated to reflect the most up to date safety data.
- (k) TSB train accident rate reflects the number of train accidents resulting in damage, multiplied by 1,000,000, divided by total train miles travelled during the reporting period. Safety statistics are based on estimated data and continue to be updated as actuals settle. The 2020 ratio has been restated to reflect the most up to date safety data.
- (1) Grade crossing accident rate refers to any impact between on-track railway equipment and a highway user at a highway-rail grade crossing. Highway-rail grade crossing means: (1) a location where a public highway, road, street or private roadway, including associated sidewalks, crosses one or more railway tracks at grade; or (2) a location where a pathway explicitly authorized by a public authority or a railway carrier (dedicated for the use of non-vehicular traffic, including pedestrians, bicyclists and others), not associated with a public highway, road, street or private roadway, crosses one or more railway tracks at grade. Safety statistics are based on estimated data and continue to be updated as actuals settle. The 2020 ratio has been restated to reflect the most up to date safety data.
- (m) Train vs. vehicle fatalities refers to incidents involving train and road vehicle collisions that result in a fatality.
- (n) Train vs. vehicle injuries refers to incidents involving train and vehicle collisions that result in an injury.
- (o) Train-related accidents involving the release of hazardous materials are defined as incidents involving the release of hazardous materials (U.S.) or dangerous goods (Canada) from a means of containment during transportation by train, that are required to be reported to regulatory or governmental agencies.
- (p) Non-accidental releases of hazardous materials refers to an unintentional release of hazardous materials (U.S) or dangerous goods (Canada) from a means of containment during transportation. These events do not involve a train-related accident and can result from equipment failure or improperly secured materials.
- (q) Significant spill events includes all reported incidents involving CN employees or contractors, which result in the unintentional release of hazardous materials (U.S.) or dangerous goods (Canada) or materials which may adversely impact the environment. Spills include events involving an accidental release, spill or leak, from a derailment or yard/mainline incident, or result from the failure of means of containment. Reported values are limited to significant releases where a material has been released in excess of local regulatory reporting thresholds.
- (r) Number of Recommended Violation Defects resulting from the U.S. Federal Railroad Administration (FRA) or state inspections or audits. Safety statistics are based on estimated data and continue to be updated as actuals settle. The 2020 ratio has been restated to reflect the most up to date data.
- (s) Frequency of internal railway integrity inspections is calculated as the number of weekly inspections multiplied by the miles of track on which they took place, divided by the total main track miles.

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OUR SUSTAINABILITY COMMITMENT

Data	Measurement	2021	2020	2019	2018	GRI	SASB
PEOPLE							
TOTAL EMPLOYEES							
Total number of full-time employees (end of year) ^(a)	Total number	22,604	24,381	25,975	25,720	102-7	000.E
CN employees ^(b)	Total number	20,899	22,264	23,565	24,364	102-7	_
CN employees with fixed-term contract	Total number	38	64	56	110	102-8	_
CN wholly owned subsidiary employees	Total number	1,667	2,053	2,354	1,246	102-8	_
Total number of part-time employees ^(c)	Total number	0	0	0	0	102-8	_
EMPLOYEES BY REGION AND GENDER							
Canada	Total number	14,851	15,921	16,717	17,040	102-8	_
U.S.	Total number	6,048	6,343	6,848	7,324	102-8	_
Women	Total number	1,710	1,891	1,990	2,108	102-8	_
Men	Total number	19,189	20,373	21,575	22,256	102-8	_
Permanent contract	Total number	20,899	22,264	23,509	24,254	102-8	-
Women	Total number	1,686	1,863	1,968	2,053	102-8	_
Men	Total number	19,175	20,337	21,541	22,201	102-8	_
Fixed-term contract	Total number	38	64	56	110	102-8	_
Women	Total number	24	28	22	55	102-8	_
Men	Total number	14	36	34	55	102-8	_
COLLECTIVE BARGAINING AGREEMENTS							
% of CN employees covered by collective bargaining agreements	% of total employees	80%	79%	80%	80%	102-41	_
NEW EMPLOYEE HIRES							
Application pool (via CN website)	Total number	136,481	108,381	142,764	175,808	_	_
Total new employee hires	Total number	2,071	988	2,605	4,604	401-1	_
New employee hire rate	% of total employees	10%	4%	10%	18%	401-1	_
Internal hires ^(d)	% of open positions filled by internal candidates	34%	50%	30%	22%	401-1	_
Age group							
New employee hires below 30 years old	Total number of new employee hires	1,039	423	1,279	2,179	401-1	_
% of new employee hires below 30 years old	% of total new employee hires	50%	43%	49%	47%	401-1	_
New employee hires 30–50 years old	Total number of new employee hires	947	490	1,208	2,201	401-1	_
% of new employee hires 30–50 years old	% of total new employee hires	46%	50%	46%	48%	401-1	_
New employee hires above 50 years old	Total number of new employee hires	85	75	118	224	401-1	_
% of new employee hires above 50 years old	% of total new employee hires	4%	7%	5%	5%		

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Data	Measurement	2021	2020	2019	2018	GRI	SASB
PEOPLE							
Gender							
Women	Total number of new employee hires	238	174	237	386	401-1	_
% of new employee hires – women	% of total new employee hires	11%	18%	9%	8%	401-1	_
Men	Total number of new employee hires	1,833	814	2,368	4,218	401-1	_
% of new employee hires – men	% of total new employee hires	89%	82%	91%	92%	401-1	_
Region							
Canada	Total number of new employee hires	1,799	865	2,060	3,497	401-1	_
% of new employee hires in Canada	% of total new employee hires	87%	88%	79%	76%	401-1	_
U.S.	Total number of new employee hires	272	123	545	1,107	401-1	_
% of new employee hires in the U.S.	% of total new employee hires	13%	12%	21%	24%	401-1	_
Total employee turnover number	Total number	2,942	2,168	2,513	2,744	401-1	_
% of total employee turnover rate	% of total employees	14.1%	9.7%	10.7%	11.3%	401-1	_
Total voluntary employee turnover number	Total number	1,415	982	867	976	401-1	_
% of total voluntary employee turnover rate	% of total employees	6.8%	4.4%	3.7%	4.0%	401-1	_
Age group							
Employee turnover below 30 years old	Total number	680	453	586	630	401-1	_
% of employee turnover below 30 years old	% of total employees	3.3%	2.0%	2.5%	2.6%	401-1	_
Employee turnover 30–50 years old	Total number	1,409	971	1,097	1,102	401-1	_
% of employee turnover 30–50 years old	% of total employees	6.7%	4.4%	4.7%	4.5%	401-1	_
Employee turnover above 50 years old	Total number	853	744	830	1,012	401-1	_
% of employee turnover above 50 years old	% of total employees	4.1%	3.3%	3.5%	4.2%	401-1	_
Gender							
Employee turnover – women	Total number	346	257	306	320	401-1	_
% of employee turnover – women	% of total employees	1.7%	1.2%	1.3%	1.3%	401-1	_
Employee turnover – men	Total number	2,596	1,911	2,207	2,424	401-1	_
% of employee turnover – men	% of total employees	12.4%	8.6%	9.4%	9.9%	401-1	_
Region							
Employee turnover – Canada	Total number	2,262	1,605	1,832	2,035	401-1	_
% of employee turnover in Canada	% of total employees	10.8%	7.2%	7.8%	8.4%	401-1	_
Employee turnover – U.S.	Total number	680	563	681	709	401-1	_
% of employee turnover in the U.S.	% of total employees	3.3%	2.5%	2.9%	2.9%	401-1	_
ABSENTEEISM RATES ^(f)				, ,,	, ,,		
Women	% of absentee hours on actual hours of service	2.56	2.02	2.93	2.53	403-2	_
Men	% of absentee hours on actual hours of service	2.38	1.66	2.08	1.84	403-2	_
Canada	% of absentee hours on actual hours of service	2.96	2.06	2.50	2.15	403-2	_
U.S.	% of absentee hours on actual hours of service	1.12	0.85	1.34	1.36	403-2	_

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Data	Measurement	2021	2020	2019	2018	GRI	SASE
PEOPLE							
TRAINING AND EDUCATION							
Total hours of training ^(g)	Total number of hours	912,300	554,608	1,098,282	1,881,592	_	-
Average training hours							
Employee	Average hours	39.9	23.3	45.6	77.2	404-1	-
Women	Average hours	23.4	15.6	28.7	41.7	404-1	
Men	Average hours	41.5	24.0	47.2	80.3	404-1	
Management	Average hours	16.8	11.7	22.6	33.7	404-1	
Unionized	Average hours	46.9	26.5	52.5	88.1	404-1	
REGULAR PERFORMANCE AND CAREER DEVELOPMENT	REVIEW						
% of total management receiving reviews	% of management	100%	100%	100%	100%	404-3	
EMPLOYEE ENGAGEMENT							
Management employees engagement	% of actively engaged management employees	52%	68%	76%	76%	_	
Data coverage ^(h)	% of total management employees	88%	86%	84%	70%	_	
Non-management employees engagement	% of actively engaged	46%	48%	59%	N/A	_	
	non-management employees						
Data coverage ^(h)	% of total non-management employees	43%	38%	25%	N/A	_	
Overall employee engagement	% of actively engaged employees	49%	57%	68%	76%	_	
Data coverage ^(h)	% of total employees	52%	49%	38%	70%	_	
DIVERSITY AND EQUAL OPPORTUNITY							
Women	% of total employees	8%	8%	8%	9%	405-1	
Women in revenue-generating functions(i)	% in management positions	33%	35%	34%	31%	_	
Women in STEM positions ^(j)	% women in STEM positions	21%	20%	N/A	N/A	_	
Ethnicity in the U.S. ^(k)							
Caucasian	% of total employees	78.8%	79.6%	N/A	N/A	405-1	
Black/African American	% of total employees	13.7%	13.8%	N/A	N/A	405-1	
Hispanic/Latino	% of total employees	4.7%	4.4%	N/A	N/A	405-1	
Asian	% of total employees	0.6%	0.7%	N/A	N/A	405-1	
American Indian/Alaskan Native	% of total employees	0.7%	0.6%	N/A	N/A	405-1	
Native Hawaiian/Pacific Islander	% of total employees	0.1%	0.1%	N/A	N/A	405-1	
Two or more ethnicities	% of total employees	1.1%	0.5%	N/A	N/A	405-1	
				N/A		405-1	

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PEOPLE Diversity in Canada ************************************	2019	2020 20	2018	GRI	SASB
Women % of total employees 9.6% 9.9% Indigenous Peoples [®] % of total employees 5.6% 4.7% Persons with disabilities ^(m) % of total employees 11.7% 12.7% Diversity in the U.S. ************************************					
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Senior managementTotal number of senior management173189% of women% of senior management22%21%% over 50 years old% of senior management51%50%% 30-50 years old% of senior management49%50%ManagementTotal number of management3,9394,411% of women% of management23%23%% of women% of management26%27%% over 50 years old% of management66%65%% over 50 years old% of management66%9%Junior management ^(p) Total number of junior management2,7153,200	30	33	N/A	405-1	_
% of women % of senior management 22% 21% % over 50 years old % of senior management 51% 50% % 30-50 years old % of senior management 49% 50% Management Total number of management 3,939 4,411 % of women % of management 23% 23% % over 50 years old % of management 26% 27% % over 50 years old % of management 66% 65% % obelow 30 years old % of management 8% 9% Junior management ^(p) Total number of junior management 2,715 3,200	20%	18% 20	N/A	405-1	_
% over 50 years old% of senior management51%50%% 30-50 years old% of senior management49%50%ManagementTotal number of management3,9394,411% of women% of management23%23%% over 50 years old% of management26%27%% 30-50 years old% of management66%65%% below 30 years old% of management8%9%Junior management ^(p) Total number of junior management2,7153,200	193	189 1	202	405-1	_
% 30-50 years old% of senior management49%50%ManagementTotal number of management3,9394,411% of women% of management23%23%% over 50 years old% of management26%27%% 30-50 years old% of management66%65%% below 30 years old% of management8%9%Junior management ^(p) Total number of junior management2,7153,200	19%	21% 19	13%	405-1	_
ManagementTotal number of management3,9394,411% of women% of management23%23%% over 50 years old% of management26%27%% 30–50 years old% of management66%65%% below 30 years old% of management8%9%Junior management ^(p) Total number of junior management2,7153,200	48%	50% 48	55%	405-1	_
ManagementTotal number of management3,9394,411% of women% of management23%23%% over 50 years old% of management26%27%% 30–50 years old% of management66%65%% below 30 years old% of management8%9%Junior management ^(p) Total number of junior management2,7153,200	52%	50% 52	45%	405-1	_
% of women % of management 23% 23% % over 50 years old % of management 26% 27% % 30-50 years old % of management 66% 65% % below 30 years old % of management 8% 9% Junior management ^(p) Total number of junior management 2,715 3,200	4,456	4,411 4,4	4,654	405-1	_
% over 50 years old % of management 26% 27% % 30-50 years old % of management 66% 65% % below 30 years old % of management 8% 9% Junior management ^(p) Total number of junior management 2,715 3,200	23%	23% 23	23%	405-1	_
% 30-50 years old % of management 66% 65% % below 30 years old % of management 8% 9% Junior management ^(p) Total number of junior management 2,715 3,200	23%	27% 23	26%	405-1	_
% below 30 years old% of management8%9%Junior management ^(p) Total number of junior management2,7153,200	68%	65% 68	66%	405-1	_
Junior management ^(p) Total number of junior management 2,715 3,200	10%	9% 10	8%	405-1	_
	3,277	3,200 3,2	3,489	405-1	_
% of women % of junior management 22% 22%	22%		22%	405-1	_

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Data	Measurement	2021	2020	2019	2018	GRI	SASB
PEOPLE							
Non-management	Total number of non-management	16,788	17,664	18,916	19,508	405-1	-
% of women	% of non-management	5%	5%	5%	5%	405-1	_
% over 50 years old	% of non-management	22%	21%	19%	22%	405-1	_
% 30–50 years old	% of non-management	60%	59%	58%	58%	405-1	_
% below 30 years old	% of non-management	18%	19%	22%	20%	405-1	_
QUAL REMUNERATION FOR WOMEN AND MEN ^(q)							
Senior management	Ratio of women to men	1.0	1.1	1.0	0.9	405-2	_
Management	Ratio of women to men	1.0	1.0	1.0	1.0	405-2	_
Non-management	Ratio of women to men	1.0	1.0	0.9	1.0	405-2	_

(a) The total number of employees (year-end) for each year is from the CN Annual Report of the equivalent year.

(b) The breakdown of employee data covers CN employees only. The breakdown of employee data is not available for employees with fixed-term contracts or for CN wholly owned subsidiaries.

- (c) As defined by national laws.
 - (d) Internal hires is defined as an existing employee moving to a new position, including all promotions and lateral moves within the Company during the reporting year.
 - (e) Employee turnover is the number of employees who leave the organization voluntarily or due to dismissal, retirement, or death in service.
 - (f) The absenteeism rate is the number of casual actual absentee hours of our unionized employees expressed as a percentage of the actual number of hours an employee was available to work during a given year (hours of service). Hours of service are reduced for any prolonged absences, lost time days, etc. The absenteeism rate does not include any known prolonged absences (i.e. sick leave, extended injury leaves) or absences related to holidays, study, maternity or paternity leave, and compassionate leave.
 - (g) The decrease of training hours in 2020 was due to lower levels of hiring, workforce reductions and lower levels of attendance at the on-campus trainings, caused by the ongoing effects of the COVID-19 pandemic.

(h) The data coverage refers to the percentage of employees who participated in the employee engagement survey out of the total number of employees. Since 2019, both our management and non-management employees participate in the survey, whereas in prior years only our management employees participated in the survey.

- (i) Women in management positions in revenue-generating functions as a % of all such managers.
- (j) Women in Science, Technology, Engineering or Mathematics (STEM) positions includes women in management and non-management positions in Information Services, Innovation and Business Transformation, Finance and Risk and Operations Systems teams that have roles that required a background and/or education in STEM as a percentage of all such positions. 2020 data was restated to reflect a change in methodology that more accurately identifies jobs related to the disciplines that make up STEM.
- (k) The ethnicity percentages are calculated based on the total employees in the U.S. In 2020 and 2021, 100% of employees in the U.S. responded to the self-identification questionnaire.
- (1) Indigenous Peoples is defined as all First Nations, Inuit and Métis. These metrics are not tracked in the U.S.
- (m) Persons with disabilities define individuals who have a long-term or recurring physical, mental, sensory, psychiatric or learning impairment and who (a) consider themselves to be disadvantaged in employment by reason of that impairment, or (b) believe that an employer or potential employer is likely to consider them to be disadvantaged in employment by reason of that impairment, and includes persons whose functional limitations owing to their impairment have been accommodated in their current job or workplace.
- (n) Visible minorities define persons, other than Indigenous Peoples, who are non-Caucasian in race or non-white in colour. Categories in the visible minorities variable include South Asian, Chinese, Black, Filipino, Latin American, Arab, Southeast Asian, West Asian, Korean, Japanese, visible minorities not included elsewhere, multiple visible minorities and not a visible minority.
- (o) The executive committee refers to positions with a reporting line two levels away from the CEO.
- (p) Junior management refers to positions as first-line managers and junior managers.
- (q) The ratio is based on basic salary in North America. Significant location represents our operations in Canada and the U.S.

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(a) Other expenses include depreciation and amortization, equipment rents, and casualty and other.

(b) Community investment includes sponsorships, donations and activation fees as well as contributions through the CN Railroaders in the Community program.

(c) The calculated cost includes employee volunteer time during paid working hours for the following programs: Employee and Family Assistance Program and CN Wellness Champion. The 2019 data has been restated to reflect new information.

(d) The calculated cost of management overheads for community investment programs includes salaries and benefits. The 2019 data has been restated to reflect new information.

Measurement

(e) Critical supplier is defined as critical component supplier, non-substitutable supplier, or supplier with greater than \$10M of spending per year.

(f) The percentage represents the number of our critical suppliers that have been screened on environmental, social and governance issues. It includes new suppliers that fall into the critical supplier category.

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\$ million	14,477	13,819	14,917	14,321	201-1	-
\$ million	11,375	11,041	11,704	10,950	201-1	-
\$ million	8,861	9,042	9,324	8,828	201-1	-
\$ million	2,879	2,723	2,922	2,860	201-1	-
\$ million	3,595	3,304	3,904	3,703	201-1	-
\$ million	2,387	3,015	2,498	2,265	201-1	-
\$ million	1,740	1,634	1,544	1,333	201-1	-
\$ million	759	353	822	776	201-1	-
\$ million	598	510	794	831	201-1	-
\$ million	162	(157)	28	(55)	201-1	-
\$ million	14.6	11.7	14.0	12.9	201-1	-
\$ million	3,102	2,778	3,213	3,371	201-1	-
\$ million	0.28	0.20	0.27	0.28	_	-
\$ million	0.46	0.56	0.84	1.05	_	-
Number	46	76	59	59	_	-
%	17%	24%	39%	69%	308-1 414-1	-
	\$ million \$ million	\$ million 11,375 \$ million 8,861 \$ million 2,879 \$ million 3,595 \$ million 2,387 \$ million 2,387 \$ million 1,740 \$ million 1,740 \$ million 759 \$ million 598 \$ million 162 \$ million 14.6 \$ million 3,102 \$ million 0.28 \$ million 0.28 \$ million 0.46 Number 46	\$ million 11,375 11,041 \$ million 8,861 9,042 \$ million 2,879 2,723 \$ million 3,595 3,304 \$ million 2,387 3,015 \$ million 1,740 1,634 \$ million 759 353 \$ million 598 510 \$ million 162 (157) \$ million 14.6 11.7 \$ million 3,102 2,778 \$ million 0.28 0.20 \$ million 0.46 0.56 Number 46 76	\$ million 11,375 11,041 11,704 \$ million 8,861 9,042 9,324 \$ million 2,879 2,723 2,922 \$ million 3,595 3,304 3,904 \$ million 2,387 3,015 2,498 \$ million 2,387 3,015 2,498 \$ million 1,740 1,634 1,544 \$ million 759 353 822 \$ million 598 510 794 \$ million 162 (157) 28 \$ million 14.6 11.7 14.0 \$ million 3,102 2,778 3,213 \$ million 0.28 0.20 0.27 \$ million 0.26 0.56 0.84 Number 46 76 59	\$ million 11,375 11,041 11,704 10,950 \$ million 8,861 9,042 9,324 8,828 \$ million 2,879 2,723 2,922 2,860 \$ million 3,595 3,304 3,904 3,703 \$ million 2,387 3,015 2,498 2,265 \$ million 1,740 1,634 1,544 1,333 \$ million 759 353 822 776 \$ million 598 510 794 831 \$ million 162 (157) 28 (55) \$ million 14.6 11.7 14.0 12.9 \$ million 3,102 2,778 3,213 3,371 \$ million 0.28 0.20 0.27 0.28 \$ million 0.26 0.84 1.05 Number 46 76 59 59	\$ million 11,375 11,041 11,704 10,950 201-1 \$ million 8,861 9,042 9,324 8,828 201-1 \$ million 2,879 2,723 2,922 2,860 201-1 \$ million 3,595 3,304 3,904 3,703 201-1 \$ million 2,387 3,015 2,498 2,265 201-1 \$ million 1,740 1,634 1,544 1,333 201-1 \$ million 759 353 822 776 201-1 \$ million 759 353 822 776 201-1 \$ million 598 510 794 831 201-1 \$ million 162 (157) 28 (55) 201-1 \$ million 14.6 11.7 14.0 12.9 201-1 \$ million 3,102 2,778 3,213 3,371 201-1 \$ million 0.28 0.20 0.27 0.28 - \$ million 0.46 0.56 0.84 1.05 -

2021

2020

2019

2018

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The following Global Reporting Initiative Index has been developed in accordance with the GRI Standards: Core option. The Index provides references to relevant information presented in the 2020 Sustainability Report, as well as other corporate disclosures such as the Annual Report to Shareholders and other regulatory or voluntary reports.

GRI Disclosure		Response / Location, Page and URL		
GRI 101: FOUNDATION		Does not include any disclosures.		
GRI 102: G	GENERAL DISCLOSURES			
ORGANIZ	ATIONAL PROFILE			
102-1	Name of the organization	2020 Sustainability Report, p. 73		
102-2	Activities, brands, products, and services	2020 Sustainability Report, p. 4		
102-3	Location of headquarters	2020 Sustainability Report, p. 73		
102-4	Location of operations	<u>2020 Sustainability Report</u> , p. 4 <u>2020 Investor Fact Book Update</u> , Operations, pp. 2–3		
102-5	Ownership and legal form	2020 Sustainability Report, p. 73		
102–6	Markets served	<u>2020 Sustainability Report</u> , p. 4 <u>2020 Investor Fact Book Update</u> , Markets, pp. 6–14		
102-7	Scale of the organization	<u>2020 Sustainability Report</u> , p. 4 <u>2020 Investor Fact Book Update</u> , Our Strengths and Competitive Advantages, pp. 2–		
102–8	Information on employees and other workers	2021 Data Supplement / GRI and SASB Index, p. 10		
102–9	Supply chain	2020 Sustainability Report, p. 4; 2020 Investor Fact Book Update, p. 6		
102–10	Significant changes to the organization and its supply chain	2021 Annual Information Form, General Development of the Business, pp. 2–14		
102–11	Precautionary principle or approach	2022 Management Information Circular, Risk Management Oversight, p. 32		
102–12	External initiatives	2020 Sustainability Report, p. 56		
102–13	Membership of associations	2020 Sustainability Report, Awards and Recognitions, p. 2 2021 CDP Response, p. 53		
STRATEG	(
102–14	Statement from senior decision maker	2020 Sustainability Report, pp. 1, 3		
ETHICS AI	ND INTEGRITY			
102–16	Values, principles, standards and norms of behaviour	2020 Sustainability Report, pp. 63–65		
102–17	Mechanisms for advice and concerns about ethics	2020 Sustainability Report, p. 65		
GOVERNA	ANCE			
102–18	Governance structure	2020 Sustainability Report, pp. 18, 63–64		
102–19	Delegating authority	2020 Sustainability Report, pp. 18, 63–64		
102–20	Executive-level responsibility for economic, environmental and social topics	2020 Sustainability Report, pp. 18, 63–64		
102–21	Consulting stakeholders on economic, environmental and social topics	2020 Sustainability Report, pp. 51, 53, 55–58		

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GRI Disc	losure	Response / Location, Page and URL
102–22	Composition of the highest governance body and its committees	2020 Sustainability Report, p. 63
		2022 Management Information Circular, pp. 30–31
102–23	Chair of the highest governance body	2022 Management Information Circular, p. 30
102–24	Nominating and selecting the highest governance body	2022 Management Information Circular, pp. 32–38
102–25	Conflicts of interest	2022 Management Information Circular, Common Directorships, p. 37
102–28	Evaluating the highest governance body's performance	2022 Management Information Circular, Board Performance Assessment Process, p. 38
102–30	Effectiveness of risk management processes	2022 Management Information Circular, Risk Management Oversight, p. 32
102–33	Communicating critical concerns	2020 Sustainability Report, pp. 58, 65; CN Code of Conduct, pp. 79–83
102–35	Remuneration policies	2022 Management Information Circular, Board of Directors Compensation, pp. 24–27 and Statement of Executive Compensation, pp. 45–47; 2020 Sustainability Report, p. 64
102–36	Process for determining remuneration	<u>2022 Management Information Circular</u> , Board of Directors Compensation, pp. 24–27 and Statement of Executive Compensation, pp. 45–47
STAKEHO	LDER ENGAGEMENT	
102–40	List of stakeholder groups	2020 Sustainability Report, p. 56
102–41	Collective bargaining agreements	2021 Data Supplement / GRI and SASB Index, p. 9
102–42	Identifying and selecting stakeholders	2020 Sustainability Report, pp. 56, 72
102–43	Approach to stakeholder engagement	2020 Sustainability Report, pp. 56, 72
102–44	Key topics and concerns raised	2021 CN in Your Community, p. 63
REPORTI	NG PRACTICE	
102–45	Entities included in the consolidated financial statements	2021 Annual Information Form, Subsidiaries, p. 2
102–46	Defining report content and topic boundaries	2021 Data Supplement / GRI and SASB Index, p. 1; 2020 Sustainability Report, p. 71
102–47	List of material topics	2021 Data Supplement / GRI and SASB Index, p. 2; 2020 Sustainability Report, p. 72
102–48	Restatements of information	There are no material restatements within the report.
102–49	Changes in reporting	2021 Data Supplement / GRI and SASB Index, p. 1; 2020 Sustainability Report, p. 71
102–50	Reporting period	2021 Data Supplement / GRI and SASB Index, p. 1; 2020 Sustainability Report, p. 71
102–51	Date of most recent report	2021 Data Supplement / GRI and SASB Index, p. 1; 2020 Sustainability Report, p. 71
102–52	Reporting cycle	2021 Data Supplement / GRI and SASB Index, p. 1; 2020 Sustainability Report, p. 71
102–53	Contact point for questions regarding the report	2021 Data Supplement / GRI and SASB Index, p. 1; 2020 Sustainability Report, p. 73
102–54	Claims of reporting in accordance with the GRI Standards	2021 Data Supplement / GRI and SASB Index, p. 1
102–55	GRI content index	2021 Data Supplement / GRI and SASB Index, pp. 16–19
102–56	External assurance	2021 Data Supplement / GRI and SASB Index, p. 1
GRI 10 <u>3:</u> I	MANAGEMENT APPROACH 2016	
103–1	Explanation of the material topic and its boundary	2021 Data Supplement / GRI and SASB Index, p. 2
103–2	The management approach and its components	2020 Sustainability Report, pp. 15, 33, 43, 51, 63
103–3	Evaluation of the management approach	2020 Sustainability Report, pp. 15, 33, 43, 51, 63

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GRI Disc	losure	Response / Location, Page and URL
GRI 200: I	ECONOMIC STANDARD SERIES 2016	
ECONOM	IIC PERFORMANCE	
103	Management approach	2020 Sustainability Report, pp. 51, 53–54, 59
201-1	Direct economic value generated and distributed	2021 Data Supplement / GRI and SASB Index, p. 14
201–2	Financial implications and other risks and opportunities due to climate change	2021 CDP Response, Risks and Opportunities, pp. 8–16
201–3	Defined benefit plan obligations and other retirement plans	2021 Annual Report, Pensions and Other Postretirement Benefits, pp. 96–103
201–4	Financial assistance received from government	CN does not obtain financial assistance from governments.
PROCURE	EMENT PRACTICES	
103	Management approach	<u>2020 Sustainability Report</u> , pp. 51, 53–55, 59, 65-66
204-1	Proportion of spending on local suppliers	2020 Sustainability Report, pp. 4, 54
GRI 300: I	ENVIRONMENTAL STANDARD SERIES 2016	
ENERGY		
103	Management approach	2020 Sustainability Report, pp. 15–19
302-1	Energy consumption within the organization	2021 Data Supplement / GRI and SASB Index, p. 4
302-3	Energy intensity	2021 Data Supplement / GRI and SASB Index, p. 4
BIODIVER	RSITY	
103	Management approach	2020 Sustainability Report, pp. 15, 24
304-2	Significant impacts of activities, products, and services on biodiversity	2020 Sustainability Report, pp. 24–27
EMISSION	٧S	
103	Management approach	2020 Sustainability Report, pp. 15–21
305–1	Direct (Scope 1) GHG emissions	2021 Data Supplement / GRI and SASB Index, p. 4
305-2	Energy indirect (Scope 2) GHG emissions	2021 Data Supplement / GRI and SASB Index, p. 4
305–3	Other indirect (Scope 3) GHG emissions	2021 Data Supplement / GRI and SASB Index, p. 4
305–4	GHG emission intensity	2021 Data Supplement / GRI and SASB Index, p. 4
305–7	Nitrous oxides (NOX), sulphur oxides (SOX) and other significant air emissions	2021 Data Supplement / GRI and SASB Index, p. 5
EFFLUEN	TS AND WASTE	
103	Management approach	2020 Sustainability Report, pp. 15, 28–30
306-2	Waste by type and disposal method	2021 Data Supplement / GRI and SASB Index, p. 5
SUPPLIER	R ENVIRONMENTAL ASSESSMENTS	
103	Management approach	2020 Sustainability Report, pp. 15, 28
308-1	New suppliers screened using environmental criteria	2021 Data Supplement / GRI and SASB Index, p. 14

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> GRI 400:

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Environmental

Standard Series

Foundation

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GRI Disclosure Response / Location, Page and URL **GRI 400: SOCIAL STANDARD SERIES 2016** EMPLOYMENT 103 Management approach 2020 Sustainability Report, p. 43 2021 Data Supplement / GRI and SASB Index, pp. 9–10 401-1 New employee hires and employee turnover LABOUR-MANAGEMENT RELATIONS 103 Management approach 2020 Sustainability Report, pp. 43, 49 402-1 Minimum notice periods regarding operational changes In compliance with laws and regulations. **OCCUPATIONAL HEALTH AND SAFETY** Management approach 103 2020 Sustainability Report, pp. 33-34 403-1 Workers' representation in formal joint management-worker health and safety 2021 Data Supplement / GRI and SASB Index, p. 7 committees 403-2 Types of injury and rates of injury, occupational diseases, lost days and absenteeism, 2021 Data Supplement / GRI and SASB Index, p. 7 and number of work-related fatalities TRAINING AND EDUCATION 2020 Sustainability Report, pp. 43-45 103 Management approach Average hours of training per year per employee 2021 Data Supplement / GRI and SASB Index, p. 11 404-1 404-2 Programs for upgrading employee skills and transition assistance program 2020 Sustainability Report, pp. 43, 46-48 404-3 Percentage of employees receiving regular performance and career 2021 Data Supplement / GRI and SASB Index, p. 11 Management Approach development reviews **DIVERSITY AND EQUAL OPPORTUNITY** 103 Management approach 2020 Sustainability Report, pp. 43, 46-48 405-1 Diversity of governance bodies and employees 2021 Data Supplement / GRI and SASB Index, pp. 11–12 Ratio of basic salary and remuneration of women to men 2021 Data Supplement / GRI and SASB Index, p. 13 405-2 SUPPLIER SOCIAL ASSESSMENT 103 Management approach 2020 Sustainability Report, pp. 63–66 414-1 New suppliers screened using social criteria 2021 Data Supplement / GRI and SASB Index, p. 14 PUBLIC POLICY 103 Management approach CN Website, Political Contributions and Activities 415-1 Political contributions CN Website, Political Contributions and Activities

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SASB Disclosure		Response / Location, Page and URL		
DISCLOS	URE TOPICS AND ACCOUNTING METRICS			
GREENHO	DUSE GAS EMISSIONS			
110a.1	Gross global Scope 1 emissions	2021 Data Supplement / GRI and SASB Index, p. 5		
110a.2	Discussion of long-term and short-term strategy or plan to manage Scope 1 emissions, emissions reduction targets and an analysis of performance against those targets	<u>2020 Sustainability Report</u> , pp. 15–22; <u>2022 Management Information Circular</u> , pp. 42–44		
110a.3	Total fuel consumed, percentage renewable	<u>2021 Data Supplement / GRI and SASB Index</u> , pp. 5–6 <u>2021 CDP Response</u> , p. 44		
AIR QUAL	ITY			
120a.1	Air emissions of (1) NOX (excluding N2O) and (2) particulate matter (PM10)	2021 Data Supplement / GRI and SASB Index, p. 6		
EMPLOYE	E HEALTH AND SAFETY			
320a.1	(1) Total recordable incident rate (TRIR), (2) fatality rate, and (3) near miss frequency rate (NMFR)	2021 Data Supplement / GRI and SASB Index, p. 8 2020 Sustainability Report, p. 33		
СОМРЕТІ	TIVE BEHAVIOUR			
520a.1	Total amount of monetary losses as a result of legal proceedings associated with anticompetitive behavior regulations	CN was not subject to monetary losses as a result of legal proceedings associated with anticompetitive behaviour regulations in the years 2018 to 2021.		
ACCIDEN	T AND SAFETY MANAGEMENT			
540a.1	Number of accidents and incidents	2021 Data Supplement / GRI and SASB Index, p. 8		
540a.2	Number of (1) accident releases and (2) non-accident releases (NARs)	2021 Data Supplement / GRI and SASB Index, p. 9		
540a.3	Number of Federal Railroad Administration (FRA) Recommended Violation Defects	2021 Data Supplement / GRI and SASB Index, p. 9		
540a.4	Frequency of internal railway integrity inspections	2021 Data Supplement / GRI and SASB Index, p. 9; 2020 Sustainability Report, pp. 39-4		

ACTIVITY	ACTIVITY METRICS			
000.A	Number of carloads transported	2021 Data Supplement / GRI and SASB Index, p. 4; 2021 Annual Report, p. 1		
000.B	Number of intermodal units transported	2021 Data Supplement / GRI and SASB Index, p. 4; 2021 Annual Report, p. 1		
000.C	Track miles	2021 Data Supplement / GRI and SASB Index, p. 4; 2021 Annual Report, p. 1		
000.D	Revenue ton miles (RTM)	2021 Data Supplement / GRI and SASB Index, p. 4; 2021 Annual Report, p. 1		
000.E	Number of employees	2021 Data Supplement / GRI and SASB Index, p. 4; 2021 Annual Report, p. 1		

PICTURED (COVER): Chippewa River, Murry, WI Photo by CN Employee, Jacob Robinson

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Our Sustainability Commitment

Delivering Responsibly is at the heart of how CN is building for a sustainable future. It means moving our customers' goods safely and efficiently, in an environmentally responsible manner, attracting, developing and retaining diverse talent, helping build safer, stronger communities, while adhering to the highest ethical standards. Five principles anchor our commitment:

PEOPLE ENVIRONMENT SAFETY COMMUNITY GOVERNANCE Conduct our operations with Be the safest railroad in North Provide a safe, supportive and Build safer, stronger communities Continuously improve our culture minimal environmental impact, America by establishing an diverse work environment where by investing in community of integrity and ethical business, uncompromising safety culture development, creating positive while providing cleaner, more our employees can grow to their building trust and confidence with all our stakeholders. sustainable transportation services and implementing a management full potential and be recognized socio-economic benefits system designed to minimize risk for their contributions to and ensuring open lines of to our customers. and drive continuous improvement. communication. our success. in www.cn.ca