



CORPORATE SUSTAINABILITY REPORT 2016
DATA SUMMARY

DATA SUMMARY

DATA SUMMARY CSR 2016	2012	2013	2014	2015	2016
ECONOMIC					
TOTAL REVENUE (MILLIONS)	5,695	6,133	6,620	6,712	6,232
FREIGHT REVENUE (MILLIONS)	5,550	5,982	6,464	6,552	6,060
GROSS TON-MILES (GTM) (MILLIONS)	254,354	267,629	272,862	263,344	242,694
TRAIN-MILES (THOUSANDS)	40,270	37,817	36,252	34,064	30,373
REVENUE TON-MILES (RTM) (MILLIONS)	135,032	144,249	149,849	145,257	135,952
FREIGHT REVENUE PER RTM (CENTS)	4.11	4.15	4.31	4.51	4.46
ENVIRONMENT					
Energy and Fuel Efficiency					
TOTAL ENERGY CONSUMPTION, THOUSAND EMWH	12,992	12,734	11,998	11,306	10,211
LIQUID FUEL, THOUSAND EMWH	12,569	12,284	11,182*	11,306	10,085
NATURAL GAS/PROPANE, THOUSAND EMWH	111	180	173*	168	125
PURCHASED ELECTRICITY, THOUSAND EMWH	308	270	270*	232	184
PURCHASED ELECTRICITY, GJ	1,108,800	972,000	981,734	824,225	662,136
LOCOMOTIVE FUEL CONSUMPTION, THOUSAND U.S. GALLONS	289	282	275	264	238
LOCOMOTIVE FUEL CONSUMPTION, GJ	40,434,000	38,916,000	37,950,000	35,927,000	34,848,003
LOCOMOTIVE FUEL EFFICIENCY, U.S. GALLONS/1,000 GTM	1.149	1.060	1.035	0.999	0.980
Greenhouse Gas Emissions					
TOTAL EMISSIONS (SCOPE 1,2,3) THOUSAND TCO ₂ E	3,509	3,404	3,299	3,165	2,865
TOTAL SCOPE 1 GHG EMISSIONS ¹ , THOUSAND TCO ₂ E	3,377	3,290	3,194	3,093	2,795
LOCOMOTIVE, THOUSAND TCO ₂ E	3,257	3,160	3,065	2,953	2,667
OTHER SCOPE 1, THOUSAND TCO ₂ E	120	130	129	140	128
TOTAL SCOPE 2 GHG EMISSIONS ² , THOUSAND TCO ₂ E	109	93	88	52	53
TOTAL SCOPE 3 GHG EMISSIONS ³ , THOUSAND TCO ₂ E	23	21	18*	20	17
COMPANY GHG INTENSITY ⁴ , KGCO ₂ E/1,000 RTM	25.8	23.5	22.6*	21.8	21.1

¹ Scope 1 emissions include locomotive diesel, propane, natural gas and others.

² Scope 2 emissions include purchased electricity.

³ Scope 3 emissions include business car, air and hotel travel.

⁴ GHG intensity values are calculated using Scope 1 and 2 emissions.

Note: Certain prior periods have been updated to reflect new information.

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LOCOMOTIVE GHG INTENSITY, KGCO ₂ E/1,000 GTM	11.9	11.1	11.2*	11.2	11.0
REVENUE GHG INTENSITY SCOPE 1 & 2, TCO ₂ E/\$MILLION TOTAL REVENUE	612	552	511*	469	457
EMPLOYEE GHG INTENSITY SCOPE 1 & 2, TCO ₂ E /FTE EMPLOYEE	239	225	236*	248	246
AVERAGE TRAIN WEIGHT (TONS)	6,709	7,573	8,076	8,314	8,614
AVERAGE TRAIN LENGTH (FEET)	5,981	6,530	6,682	6,935	7,217
Waste Management and Diversion					
LIQUID WASTES, THOUSAND LITRES	6,267	5,766	3,816	4,714	3,054
SOLID WASTES, TONS	901	369	508	1,577	3,716
RAILWAY TIES DISPOSED, #	947,798	990,825*	1,012,784*	1,206,751	1,006,280
TOTAL RAILWAY TIES DIVERTED FROM LANDFILL, %	100	100	100	100	99
RAILWAY TIES TO COGENERATION FACILITIES, %	100	98	90	96	84
RAILWAY TIES SOLD TO CONTRACTORS FOR REUSE, %	0	2	10	4	15
NEW RAIL PURCHASED, NET TONS	98,566	90,918	112,500	100,374	76,029
TIE PLATES, SPIKES, RAIL ANCHORS PURCHASED, NET TONS	31,354	33,523	45,208	27,034	21,453
Water Consumption					
WATER CONSUMPTION FROM MUNICIPAL SOURCES 1,000 M ³	1,872	1,830	1,366	1,468	535
Environmental Protection					
PROVISIONS FOR ENVIRONMENTAL REMEDIATION PROGRAMS, \$MILLION	87	88	92	93	85
SPENT ON REMEDIATION, \$MILLION	11	9	8	18	12
Environmental Incidents					
ENVIRONMENTAL AUDITS PERFORMED, #	7	7	4	7	4
REPORTABLE RELEASES, #	**	**	49	27	37
SOCIAL					
Train and Employee Safety					
PERSONAL INJURY RATE, CASES/200,000 EMPLOYEE HOURS	1.56	1.71	1.67	1.84	1.64
FATALITIES, #	2	2	0	0	1
FRA TRAIN ACCIDENT RATE, ACCIDENTS/MILLION TRAIN-MILES	1.69	1.80	1.26	1.33	0.97
GRADE CROSSING ACCIDENT RATE/ MILLION TRAIN-MILES	2.7	3.2	3.0	2.5	2.8
CP POLICE CALLS INVESTIGATED	***	***	3,095	3,604	4,034
CP POLICE CITATIONS ISSUED	***	***	4,753	4,412	5,142
CP POLICE ARRESTS	***	***	223	256	507

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CP POLICE TRAIN INSPECTIONS	***	***		23,597		18,636		19,653
CP POLICE RAILCAR INSPECTIONS	***	***		2,477		8,325		18,638
CP POLICE RAILCAR SEALS EXCEPTIONS	***	***		107		119		119
CP POLICE RAILCAR SAFETY SENSITIVE MATERIALS INSPECTION	***	***		20,271		17,336		32,368
Workforce Diversity			Canada	U.S.A.	Canada	U.S.A.	Canada	U.S.A.
WORKFORCE, #, END OF PERIOD	16,907	14,977	10,820	3,565	9,836	3,063	9,011	2,687
EMPLOYEES, #, END OF PERIOD	15,713	14,506	10,701	3,554	9,759	3,058	8,970	2,683
CONTRACTORS, #	1,194	471	119	11	77	5	41	4
EMPLOYEES IN UNIONS OR ASSOCIATIONS, %	81	78	73	84	72.2	83.2	72.9	82.6
FEMALE, %	10.7	10.5	10.3	5.2	10.7	5.5	10.6	5.5
PERSONS WITH A DISABILITY, %	3.2	3.1	3	**	2.6	**	3.0	1.3
ABORIGINAL, %	3.8	3.9	3.6	**	3.3	**	3.4	**
VISIBLE MINORITIES, %	6.8	7.5	8	**	8.4	**	8.5	**
Number of CP Board Directors by Minority Group								
FEMALE BOARD DIRECTORS, %	28.6	28.6		44*		50		50
BOARD OF DIRECTORS BY REGION, % CANADA	57.1	50		67*		67		75
BOARD OF DIRECTORS BY REGION, % UNITED STATES	42.9	50		33*		33		25
Rate of Turnover by Age Group			Canada	U.S.A.	Canada	U.S.A.	Canada	U.S.A.
25 OR LESS, % OF TOTAL ATTRITION	9.2	6.9	7.8	7.9	4.3	3.9	4.0	3.7
25 TO 35, % OF TOTAL ATTRITION	19.0	22.3	23.3	25.2	20.2	22.2	18.8	26.7
36 TO 45, % OF TOTAL ATTRITION	14.0	16.1	16.8	19.4	18.4	22.5	15.5	23.2
46 TO 55, % OF TOTAL ATTRITION	11.8	13.4	12.1	14.7	13.4	17.1	13.8	16.8
56+, % OF TOTAL ATTRITION	46.0	41.3	39.9	32.8	43.7	34.4	47.9	29.6
Rate of Turnover by Gender			Canada	U.S.A.	Canada	U.S.A.	Canada	U.S.A.
Male, %	11.8	17.0	16.8	22.6	19.5	21.9	18.3	19.0
Female, %	12.4	19.4	19.6	26.5	18.5	22.6	17.2	23.8
Rate of Turnover by Region								
Alberta/Saskatchewan, %	15.1	21.8		21.7*		22.3		20.3
British Columbia, %	11.4	15.0		15.7*		18.0		15.7
Manitoba/Ontario, %	10.3	16.0		14.5*		16.7		16.1
Quebec/Southern Ontario, %	9.9	12.9		13.8*		19.8		19.1
U.S. East, %	10.7	14.9		18.9*		19.5		17.7
U.S. West, %	10.7	19.7		26.8*		21.6		21.3

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Average hours of training per employee per employee category								
UNION HRS.	21	14	31*		33		28	
NON-UNION HRS.	13	13	43*		32		30	
Employee Health and Wellness								
TOTAL WORKFORCE REPRESENTED BY HEALTH & SAFETY COMMITTEES, %	100	100	100		100		100	
Community Investment			Canada	U.S.A.	Canada	U.S.A.	Canada	U.S.A.
COMMUNITY INVESTMENT TOTAL SPEND, \$	***	***	19,441,195	475,878	4,007,200	453,606	4,807,029	442,768
MONETARY DONATIONS CP HAS HEART, \$	***	***	1,804,314	0	1,981,387	8,400	3,126,113	6,500
MONETARY DONATIONS HOLIDAY TRAIN, \$	***	***	666,000	291,500	578,000	282,000	591,000	305,000
MONETARY DONATIONS GIVING ENGINE CORPORATE MATCH, \$	***	***	222,178	14,978	181,957	13,344	195,504	13,468
OTHER MONETARY DONATIONS, \$	***	***	514,418	169,400	985,756	122,880	581,643	117,800
IN-KIND DONATIONS, \$	***	***	16,234,285	0	280,100	26,981	312,769	0
CP-Led Community and Employee Donations			Canada	U.S.A.	Canada	U.S.A.	Canada	U.S.A.
CP HAS HEART, \$	***	***	26,268	0	307,350	0	565,390	0
HOLIDAY TRAIN, \$	***	***	103,129	262,941	141,265	274,010	137,859	197,068
GIVING ENGINE EMPLOYEE DONATIONS, \$	***	***	460,373	32,200	372,159	30,089	351,914	27,229
Community Engagement								
COMMUNITY CONNECT PUBLIC INTERACTIONS, #	6,866	9,904	11,989		11,698		12,204	
CALLS TO COMMUNITY CONNECT RE: NOISE COMPLAINTS, #	947	1,203	1,630		1,169		994	

* Data has been restated

** Data not reported on

*** In 2014, CP changed its community engagement strategy and reporting strategy. In 2012/2013, CP reported on different indicators.

Note: Community investment numbers and initiatives are reported in Canadian and U.S. dollars.