

Transportation in Canada

2017

STATISTICAL ADDENDUM



Transportation and the Economy

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TRANSPORTATION AND THE ECONOMY

Table EC1: Economic Indicators, 2017

	2017 (level)	2016 to 2017 (percentage change)	2012 to 2016 (CAGR)	2016 Share of total GDP (percentage)
GDP at Basic Prices (millions of constant 2007 dollars)¹				
All industries	1,734,105	3.3	2.0	100.0
Goods-Producing Industries	509,346	4.1	1.3	29.4
Manufacturing	180,027	3.4	0.9	10.4
Mining, quarrying, and oil and gas extraction	141,713	6.0	2.6	8.2
Construction	122,430	4.0	0.0	7.1
Agriculture, forestry, fishing and hunting	26,308	(0.7)	3.5	1.5
Service-Producing Industries	1,224,759	3.0	2.3	70.6
Real estate and rental and leasing	225,445	2.9	3.0	13.0
Wholesale Trade	102,086	7.5	1.9	5.9
Retail trade	97,025	5.5	3.2	5.6
Transportation (core)	70,749	5.7	3.5	4.1
Air transportation	10,079	11.0	8.7	0.6
Rail transportation	7,679	6.2	3.8	0.4
Water transportation	1,536	6.1	1.6	0.1
Truck transportation	22,084	5.1	3.2	1.3
Urban transit systems	4,488	2.1	(0.1)	0.3
Taxi and limousine services	992	3.4	3.4	0.1
Other ground and sightseeing	2,175	4.4	0.8	0.1
Support activities for transportation	15,371	6.0	5.6	0.9
Postal service and couriers and messengers	6,345	1.9	(2.3)	0.4
Pipelines	6,255	3.5	3.6	0.4
Warehousing and storage	2,717	3.1	3.7	0.2
Transportation and warehousing (NAICS)	79,721	5.4	3.5	4.6
GDP at Basic Prices (millions of chained 2007 dollars)¹				
All industries	1,740,287	3.3	1.9	
Goods-producing sector	518,718	4.6	1.2	
Service-producing sector	1,222,522	2.8	2.3	
Transportation and Warehousing (NAICS)	78,362	4.8	3.3	
Air transportation	9,859	11.3	8.3	
Rail transportation	7,693	6.1	4.0	
Water transportation	1,584	5.6	1.9	
Truck transportation	22,443	4.1	3.5	
Real GDP (millions of 2007 chained dollars)²	1,855,422	3.0	1.9	
Merchandise Trade (Customs basis, millions of current dollars)³				
Exports	546,294	5.6	3.2	
Imports	561,041	5.2	3.6	
Services Trade (Balance of Payments basis, millions of current dollars)⁴				
Transportation services				
Receipts (exports)	17,013	5.9	3.4	
Payments (imports)	28,236	6.3	2.9	
Travel services				
Receipts (exports)	26,352	10.3	8.3	
Payments (imports)	41,504	8.9	2.1	
Tourism Indicators (Thousands of persons)⁵				
Canadian residents returning from abroad	54,959	3.7	(5.0)	
U.S. visitors to Canada	24,335	1.8	3.6	
Non-U.S. visitors to Canada	6,662	6.6	8.0	
Canadian Dollar, Foreign Exchange (CDN cents per \$U.S.)⁶	129.86	(2.0)	7.3	
Population (Thousands)⁷	36,708	1.2	1.1	
Employment (Thousands)⁸	18,416	1.9	0.9	

Table EC1: Economic Indicators, 2017

	2017 (level)	2016 to 2017 (percentage change)	2012 to 2016 (CAGR)
Household Income and Consumption (current dollars)			
Household disposable income per capita ⁹	32,902	3.5	2.6
Household final consumption per capita (total) ¹⁰	32,910	3.3	2.7
Household final consumption per capita (transportation) ¹⁰	5,306	7.2	2.6
Price indices			
GDP implicit deflator (2007=100) ¹¹	115.6	2.3	0.8
Terms of trade (2007 = 100) ¹²	85.9	1.7	(2.8)
Consumer Price Index (2002=100) ¹³			
All-items	130.4	1.6	1.3
Transportation	132.9	3.9	(0.0)

Notes: CAGR= Compound Annual Growth Rate. GDP= Gross Domestic Product. NAICS= North American Industry Classification System. BOP= Balance of Payments.

Sources:

- 1 Statistics Canada, CANSIM Table 379-0031
- 2 Statistics Canada, CANSIM Table 380-0064
- 3 Transport Canada, adapted from Statistics Canada, International Trade Database
- 4 Statistics Canada, CANSIM Table 380-0070
- 5 Statistics Canada, CANSIM Table 427-0001
- 6 Simple annual average calculated using Bank of Canada monthly data via Statistics Canada CANSIM Table 176-0064
- 7 Statistics Canada, CANSIM Table 051-0005
- 8 Statistics Canada, CANSIM Table 282-0002
- 9 Derived from Statistics Canada, CANSIM Tables 380-0072 and 051-0005
- 10 Derived from Statistics Canada, CANSIM Tables 380-0085 and 051-0005. Includes transport insurance.
- 11 Statistics Canada, CANSIM Table 380-0066
- 12 Statistics Canada, CANSIM Table 228-0063. Calculated based on merchandise trade, customs, unadjusted, Laspeyres basis.
- 13 Statistics Canada, CANSIM Table 326-0020

Table EC2: Transportation Sector GDP and GDP Shares by Province and Territory, 2014

	Transport Sector ¹ GDP (millions of current dollars)	Share of National Total	Transport Share of Overall Prov./Terr. GDP (%)
Newfoundland and Labrador	856.6	1.2	2.7
Prince Edward Island	165.9	0.2	3.1
Nova Scotia	1,157.1	1.7	3.2
New Brunswick	1,372.4	2.0	4.6
Quebec	14,181.7	20.3	4.1
Ontario	24,872.2	35.6	3.7
Manitoba	2,748.0	3.9	4.6
Saskatchewan	2,146.1	3.1	2.7
Alberta	10,449.1	15.0	2.9
British Columbia	11,505.3	16.5	5.1
Yukon	75.0	0.1	2.8
Northwest Territories	242.3	0.3	5.2
Nunavut	59.7	0.1	2.5
Total	69,831.4	100.0	

Notes: GDP= Gross Domestic Product. Most recent GDP by industry and province data available as of March 7, 2018. Current dollar estimates.

1 Transport Sector, excluding both Pipelines and Warehousing.

Source: Statistics Canada, CANSIM Table 379-0030

Table EC3: Aggregate Household Final Consumption Expenditures on Transportation, 2017

	2017 (millions of current dollars)	2017 Per cent share of transportation expenses	Per cent change (2016 to 2017)	CAGR (2012 to 2016)
New and Used Transportation Equipment				
New trucks, vans and sport utility vehicles	44,188	22.7	10.9	12.8
Used motor vehicles	17,713	9.1	10.4	7.1
Other vehicles	3,382	1.7	7.3	5.3
Subtotal	84,223	43.2	8.7	7.4
Fuels and lubricants	42,748	21.9	12.1	(3.0)
Repair and Maintenance (including parts)				
Spare parts and accessories for vehicles	17,242	8.9	7.8	4.4
Maintenance and repair of vehicles	10,655	5.5	4.1	4.3
Subtotal	27,897	14.3	6.4	4.3
Other Motor Vehicle Related Services				
Passenger vehicle renting	1,285	0.7	4.1	3.0
Insurance related to transport	7,324	3.8	3.7	2.2
Parking	3,140	1.6	4.1	6.0
Other services related to the operation of transport equipment	2,653	1.4	5.6	7.3
Subtotal	14,402	7.4	4.2	3.9
Commercial Transportation				
Urban transit	4,564	2.3	4.7	3.1
Railway transport	304	0.2	11.8	4.1
Interurban bus	1,197	0.6	(0.6)	0.0
Air transport	14,778	7.6	9.6	5.6
Water transport	473	0.2	3.5	3.1
Taxi and limousine	1,300	0.7	4.8	3.1
Other transport services	2,869	1.5	2.5	3.6
Subtotal	25,485	13.1	7.0	4.4
Total Household Expenditures on Transportation (including insurance)	194,755	100.0	8.5	3.7

Note: CAGR= Compound Annual Growth Rate.

Source: Statistics Canada, CANSIM Table 380-0085

Table EC4: Volume of Goods in Domestic Trade, by Sector and Mode of Transport, 2007–2016

(Millions of tonnes)

Intraprovincial Movements										
Year	Mode of Transport					Modal Share in Per Cent				
	For-Hire Trucking	Rail	Marine	Air	Total	For-Hire Trucking	Rail	Marine	Air	
2007	452.5	51.0	42.2	N/A	545.6	82.9	9.3	7.7	N/A	
2008	434.6	49.7	43.8	N/A	528.1	82.3	9.4	8.3	N/A	
2009	383.8	40.8	36.1	N/A	460.8	83.3	8.9	7.8	N/A	
2010	425.7	49.5	38.2	N/A	513.3	82.9	9.6	7.4	N/A	
2011	447.8	52.6	40.7	N/A	541.1	82.8	9.7	7.5	N/A	
2012	494.4	56.3	N/A	N/A	550.8	89.8	10.2	N/A	N/A	
2013	518.3	56.6	N/A	N/A	574.9	90.2	9.8	N/A	N/A	
2014	550.2	53.5	N/A	N/A	603.7	91.1	8.9	N/A	N/A	
2015 ^R	545.3	53.0	N/A	N/A	598.3	91.1	8.9	N/A	N/A	
2016 ^P	N/A	49.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Interprovincial Movements										
Year	Mode of Transport					Modal Share in Per Cent				
	For-Hire Trucking	Rail	Marine	Air	Total	For-Hire Trucking	Rail	Marine	Air	
2007	68.0	122.6	25.5	N/A	216.1	31.5	56.7	11.8	N/A	
2008	67.8	118.0	25.3	N/A	211.0	32.1	55.9	12.0	N/A	
2009	66.9	115.5	18.0	N/A	200.4	33.4	57.7	9.0	N/A	
2010	69.4	121.5	20.1	N/A	211.1	32.9	57.6	9.5	N/A	
2011	72.4	125.0	21.5	N/A	218.9	33.1	57.1	9.8	N/A	
2012	78.5	126.1	N/A	N/A	204.6	38.4	61.6	N/A	N/A	
2013	74.6	120.4	N/A	N/A	195.0	38.3	61.7	N/A	N/A	
2014	78.0	128.4	N/A	N/A	206.4	37.8	62.2	N/A	N/A	
2015 ^R	81.9	132.4	N/A	N/A	214.3	38.2	61.8	N/A	N/A	
2016 ^P	N/A	130.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Total Domestic Movements										
Year	Mode of Transport					Modal Share in Per Cent				
	For-Hire Trucking	Rail	Marine	Air	Total	For-Hire Trucking	Rail	Marine	Air	
2007	520.5	173.6	67.7	0.5	762.3	68.3	22.8	8.9	0.1	
2008	502.4	167.6	69.1	0.6	739.7	67.9	22.7	9.3	0.1	
2009	450.7	156.3	54.1	0.5	661.6	68.1	23.6	8.2	0.1	
2010	495.1	170.9	58.3	0.6	724.9	68.3	23.6	8.0	0.1	
2011	520.2	177.6	62.2	0.5	760.5	68.4	23.4	8.2	0.1	
2012	572.9	182.4	N/A	0.5	755.8	75.8	24.1	N/A	0.1	
2013	592.9	177.0	N/A	0.5	770.4	77.0	23.0	N/A	0.1	
2014	628.3	181.9	N/A	0.5	810.7	77.5	22.4	N/A	0.1	
2015 ^R	627.2	185.4	N/A	0.5	813.1	77.1	22.8	N/A	0.1	
2016 ^P	N/A	180.5	N/A	0.5	N/A	N/A	N/A	N/A	N/A	

Notes: R= Revised data. P= Preliminary data. N/A= Not available.
2016 trucking data was unavailable at the time of publication.

Sources: Transport Canada, adapted from Statistic Canada, various publications on transportation

Table EC5: Modal Shares in Canada's International Trade, 2008–2017

Canadian Exports (Millions of dollars)											
	Total Exports ¹						Share of Total (%)				
	All Modes	Road	Rail	Marine	Air	Other	Road	Rail	Marine	Air	Other
2008	483,488	169,823	71,067	96,256	43,398	102,944	35.1	14.7	19.9	9.0	21.3
2009	359,754	136,918	49,029	71,632	40,071	62,104	38.1	13.6	19.9	11.1	17.3
2010	399,300	145,641	61,664	81,603	43,309	67,083	36.5	15.4	20.4	10.8	16.8
2011	446,707	152,464	67,483	99,368	47,511	79,881	34.1	15.1	22.2	10.6	17.9
2012	455,171	157,384	73,115	98,063	46,880	79,729	34.6	16.1	21.5	10.3	17.5
2013	471,947	161,872	77,142	94,971	49,558	88,404	34.3	16.3	20.1	10.5	18.7
2014	526,773	184,666	80,376	98,602	55,003	108,127	35.1	15.3	18.7	10.4	20.5
2015 ^R	524,066	211,852	83,640	93,337	59,075	76,163	40.4	16.0	17.8	11.3	14.5
2016 ^R	517,116	223,733	81,921	89,331	58,352	63,778	43.3	15.8	17.3	11.3	12.3
2017 ^P	546,294	220,638	84,290	101,469	58,907	80,991	40.4	15.4	18.6	10.8	14.8

Canadian Imports (Millions of dollars)											
	Total imports ²						Share of Total (%)				
	All Modes	Road	Rail	Marine	Air	Other	Road	Rail	Marine	Air	Other
2008	433,999	221,527	34,455	99,408	58,071	20,538	51.0	7.9	22.9	13.4	4.7
2009	365,359	192,987	25,921	80,456	53,946	12,049	52.8	7.1	22.0	14.8	3.3
2010	403,750	212,364	31,317	88,500	57,447	14,122	52.6	7.8	21.9	14.2	3.5
2011	446,666	228,037	34,192	106,040	62,694	15,702	51.1	7.7	23.7	14.0	3.5
2012	462,072	239,868	39,436	106,551	61,623	14,594	51.9	8.5	23.1	13.3	3.2
2013	475,661	250,929	40,494	106,216	61,956	16,065	52.8	8.5	22.3	13.0	3.4
2014	512,200	275,976	45,821	111,848	61,980	16,575	53.9	8.9	21.8	12.1	3.2
2015 ^R	536,152	298,872	43,830	111,940	69,321	12,187	55.7	8.2	20.9	12.9	2.3
2016 ^R	533,194	295,399	46,442	109,957	66,931	14,466	55.4	8.7	20.6	12.6	2.7
2017 ^P	561,041	306,191	51,684	116,432	70,554	16,180	54.6	9.2	20.8	12.6	2.9

Total Canadian Trade (Millions of dollars)											
	Total exports and imports						Share of Total (%)				
	All Modes	Road	Rail	Marine	Air	Other	Road	Rail	Marine	Air	Other
2008	917,487	391,350	105,522	195,664	101,469	123,482	42.7	11.5	21.3	11.1	13.5
2009	725,113	329,905	74,951	152,087	94,017	74,153	45.5	10.3	21.0	13.0	10.2
2010	803,050	358,006	92,981	170,103	100,756	81,205	44.6	11.6	21.2	12.5	10.1
2011	893,373	380,501	101,675	205,408	110,206	95,583	42.6	11.4	23.0	12.3	10.7
2012	917,243	397,252	112,551	204,614	108,503	94,322	43.3	12.3	22.3	11.8	10.3
2013	947,608	412,801	117,636	201,187	111,514	104,470	43.6	12.4	21.2	11.8	11.0
2014	1,038,973	460,642	126,196	210,450	116,983	124,701	44.3	12.1	20.3	11.3	12.0
2015 ^R	1,060,218	510,724	127,470	205,277	128,396	88,350	48.2	12.0	19.4	12.1	8.3
2016 ^R	1,050,310	519,132	128,364	199,288	125,283	78,244	49.4	12.2	19.0	11.9	7.4
2017 ^P	1,107,336	526,829	135,974	217,900	129,461	97,171	47.6	12.3	19.7	11.7	8.8

Notes: R= Revised data. P= Preliminary data.

1 For exports, the mode of transport represents the mode of transport by which the international boundary is crossed. This may be different from the mode of transport within Canada. Total exports are the sum of domestic exports and re-exports.

2 For imports, the mode of transport represents the last mode of transport by which the cargo was transported to the port of clearance in Canada and is derived from the cargo control documents of customs. This may not be the mode of transport by which the cargo arrived at the Canadian port of entry in the case of inland clearance. This may, therefore, lead to some underestimation of Canadian imports by the marine and air transport modes.

Source: Transport Canada, adapted from Statistics Canada, International Trade Database

Table EC6: Modal Shares in Canada-United States Trade, 2008–2017

Canadian Exports to the U.S.											
(Millions of dollars)											
	Total exports ¹						Share of Total (%)				
	All Modes	Road	Rail	Marine	Air	Other	Road	Rail	Marine	Air	Other
2008	375,480	163,039	68,855	25,875	15,218	102,492	43.4	18.3	6.9	4.1	27.3
2009	270,090	130,907	47,665	17,140	13,194	61,184	48.5	17.6	6.3	4.9	22.7
2010	299,075	139,676	59,917	21,055	11,879	66,549	46.7	20.0	7.0	4.0	22.3
2011	328,975	148,051	65,646	23,561	12,236	79,482	45.0	20.0	7.2	3.7	24.2
2012	339,183	152,728	71,163	23,410	13,028	78,854	45.0	21.0	6.9	3.8	23.2
2013	357,915	157,099	75,015	23,575	14,464	87,761	43.9	21.0	6.6	4.0	24.5
2014	404,711	179,605	78,288	22,516	16,892	107,410	44.4	19.3	5.6	4.2	26.5
2015 ^R	402,171	206,382	81,181	19,174	19,824	75,610	51.3	20.2	4.8	4.9	18.8
2016 ^R	394,451	217,825	79,300	15,205	18,479	63,641	55.2	20.1	3.9	4.7	16.1
2017 ^P	414,927	215,157	81,634	19,402	17,807	80,927	51.9	19.7	4.7	4.3	19.5

Canadian Imports from the U.S.											
(Millions of dollars)											
	Total imports ²						Share of Total (%)				
	All Modes	Road	Rail	Marine	Air	Other	Road	Rail	Marine	Air	Other
2008	227,246	163,624	28,830	8,347	18,056	8,389	72.0	12.7	3.7	7.9	3.7
2009	186,803	139,065	21,263	4,721	16,104	5,651	74.4	11.4	2.5	8.6	3.0
2010	203,389	151,318	25,123	5,788	14,903	6,257	74.4	12.4	2.8	7.3	3.1
2011	221,424	162,313	27,530	8,276	15,222	8,083	73.3	12.4	3.7	6.9	3.7
2012	233,889	172,139	31,063	8,118	14,947	7,622	73.6	13.3	3.5	6.4	3.3
2013	247,796	177,872	32,910	13,100	15,064	8,850	71.8	13.3	5.3	6.1	3.6
2014	278,510	191,932	36,342	19,936	17,307	12,993	68.9	13.0	7.2	6.2	4.7
2015 ^R	285,345	204,636	33,794	16,106	20,769	10,039	71.7	11.8	5.6	7.3	3.5
2016 ^R	278,212	199,924	37,327	8,674	19,324	12,963	71.9	13.4	3.1	6.9	4.7
2017 ^P	287,992	203,162	40,548	10,130	19,212	14,939	70.5	14.1	3.5	6.7	5.2

Total Canada-U.S. Trade											
(Millions of dollars)											
	Total exports and imports						Share of Total (%)				
	All Modes	Road	Rail	Marine	Air	Other	Road	Rail	Marine	Air	Other
2008	602,726	326,662	97,685	34,223	33,274	110,882	54.2	16.2	5.7	5.5	18.4
2009	456,894	269,972	68,928	21,861	29,298	66,835	59.1	15.1	4.8	6.4	14.6
2010	502,464	290,994	85,039	26,843	26,782	72,805	57.9	16.9	5.3	5.3	14.5
2011	550,400	310,364	93,176	31,837	27,458	87,565	56.4	16.9	5.8	5.0	15.9
2012	573,072	324,867	102,227	31,528	27,975	86,476	56.7	17.8	5.5	4.9	15.1
2013	605,711	334,971	107,925	36,675	29,529	96,611	55.3	17.8	6.1	4.9	16.0
2014	683,220	371,537	114,630	42,452	34,199	120,403	54.4	16.8	6.2	5.0	17.6
2015 ^R	687,516	411,018	114,975	35,280	40,593	85,649	59.8	16.7	5.1	5.9	12.5
2016 ^R	672,663	417,749	116,627	23,879	37,804	76,605	62.1	17.3	3.5	5.6	11.4
2017 ^P	702,919	418,320	122,182	29,532	37,019	95,866	59.5	17.4	4.2	5.3	13.6

Notes: R = Revised data. P = Preliminary data.

- For exports, the mode of transport represents the mode of transport by which the international boundary is crossed. This may be different from the mode of transport within Canada. Total exports are the sum of domestic exports and re-exports.
- For imports, the mode of transport represents the last mode of transport by which the cargo was transported to the port of clearance in Canada and is derived from the cargo control documents of customs. This may not be the mode of transport by which the cargo arrived at the Canadian port of entry in the case of inland clearance. This may, therefore, lead to some underestimation of Canadian imports by the marine and air transport modes.

Source: Transport Canada, adapted from Statistics Canada, International Trade Database

Table EC7: Modal Shares in Canada-Other Countries Trade, 2008–2017

Canadian Exports to Other Countries (excluding the U.S.)											
(Millions of dollars)											
	-----Total exports ¹ -----						-----Share of Total (%)-----				
	All Modes	Road	Rail	Marine	Air	Other	Road	Rail	Marine	Air	Other
2008	108,009	6,785	2,211	70,381	28,180	452	6.3	2.0	65.2	26.1	0.4
2009	89,663	6,011	1,364	54,492	26,877	920	6.7	1.5	60.8	30.0	1.0
2010	100,225	5,965	1,748	60,548	31,430	534	6.0	1.7	60.4	31.4	0.5
2011	117,731	4,413	1,837	75,807	35,276	398	3.7	1.6	64.4	30.0	0.3
2012	115,988	4,656	1,952	74,654	33,852	875	4.0	1.7	64.4	29.2	0.8
2013	114,032	4,773	2,126	71,396	35,094	643	4.2	1.9	62.6	30.8	0.6
2014	122,062	5,061	2,088	76,085	38,111	717	4.1	1.7	62.3	31.2	0.6
2015 ^R	121,895	5,470	2,459	74,163	39,251	553	4.5	2.0	60.8	32.2	0.5
2016 ^R	122,665	5,908	2,621	74,126	39,873	137	4.8	2.1	60.4	32.5	0.1
2017 ^P	131,367	5,480	2,656	82,066	41,100	64	4.2	2.0	62.5	31.3	0.0

Canadian Imports from Other Countries (excluding the U.S.)											
(Millions of dollars)											
	-----Total imports ² -----						-----Share of Total (%)-----				
	All Modes	Road	Rail	Marine	Air	Other	Road	Rail	Marine	Air	Other
2008	206,753	57,903	5,625	91,061	40,015	12,149	28.0	2.7	44.0	19.4	5.9
2009	178,556	53,921	4,659	75,735	37,842	6,398	30.2	2.6	42.4	21.2	3.6
2010	200,362	61,046	6,194	82,712	42,544	7,866	30.5	3.1	41.3	21.2	3.9
2011	225,242	65,724	6,662	97,764	47,472	7,619	29.2	3.0	43.4	21.1	3.4
2012	228,183	67,729	8,373	98,433	46,677	6,972	29.7	3.7	43.1	20.5	3.1
2013	227,865	73,057	7,585	93,116	46,892	7,215	32.1	3.3	40.9	20.6	3.2
2014	233,690	84,044	9,479	91,913	44,673	3,582	36.0	4.1	39.3	19.1	1.5
2015 ^R	250,807	94,236	10,037	95,834	48,552	2,148	37.6	4.0	38.2	19.4	0.9
2016 ^R	254,982	95,475	9,116	101,283	47,606	1,503	37.4	3.6	39.7	18.7	0.6
2017 ^P	273,049	103,029	11,136	106,302	51,342	1,240	37.7	4.1	38.9	18.8	0.5

Total Canada-Other Countries Trade											
(Millions of dollars)											
	-----Total exports and imports-----						-----Share of Total (%)-----				
	All Modes	Road	Rail	Marine	Air	Other	Road	Rail	Marine	Air	Other
2008	314,761	64,688	7,837	161,442	68,194	12,601	20.6	2.5	51.3	21.7	4.0
2009	268,219	59,932	6,023	130,226	64,719	7,318	22.3	2.2	48.6	24.1	2.7
2010	300,586	67,011	7,942	143,260	73,974	8,400	22.3	2.6	47.7	24.6	2.8
2011	342,973	70,137	8,499	173,571	82,748	8,017	20.4	2.5	50.6	24.1	2.3
2012	344,171	72,385	10,324	173,086	80,529	7,847	21.0	3.0	50.3	23.4	2.3
2013	341,897	77,830	9,711	164,512	81,985	7,858	22.8	2.8	48.1	24.0	2.3
2014	355,752	89,105	11,566	167,998	82,784	4,299	25.0	3.3	47.2	23.3	1.2
2015 ^R	372,702	99,706	12,495	169,997	87,803	2,701	26.8	3.4	45.6	23.6	0.7
2016 ^R	377,647	101,383	11,736	175,409	87,479	1,639	26.8	3.1	46.4	23.2	0.4
2017 ^P	404,416	108,509	13,792	188,368	92,442	1,305	26.8	3.4	46.6	22.9	0.3

Notes: R = Revised data. P = Preliminary data.

1 For exports, the mode of transport represents the mode of transport by which the international boundary is crossed. This may be different from the mode of transport within Canada. Total exports are the sum of domestic exports and re-exports.

2 For imports, the mode of transport represents the last mode of transport by which the cargo was transported to the port of clearance in Canada and is derived from the cargo control documents of customs. This may not be the mode of transport by which the cargo arrived at the Canadian port of entry in the case of inland clearance. This may, therefore, lead to some underestimation of Canadian imports by the marine and air transport modes.

Source: Transport Canada, adapted from Statistics Canada, International Trade Database

Table EC8: Canada–United States Trade, by Main Trade Flows, 2016 and 2017

(Millions of dollars)

<i>Canadian Region</i>	<i>U.S. Region¹</i>	<i>Exports from Canada</i>	<i>Imports to Canada</i>	<i>Total Trade 2017^P</i>	<i>Total Trade 2016^R</i>	<i>Percentage Change 2017/16</i>	<i>Share of Total (%) 2017</i>	<i>Main Modes Used (Per cent of total value) 2017^P</i>
Ontario	Central	89,621	92,162	181,783	182,714	(0.5)	25.9	Road (77), Rail (17)
Ontario	South	33,481	54,421	87,902	87,435	0.5	12.5	Road (73), Rail (18)
Ontario	North-East	32,557	29,972	62,529	65,490	(4.5)	8.9	Road (87), Air (8)
Alberta	Central	47,188	7,309	54,496	41,583	31.1	7.8	Pipeline (82), Rail (12)
Ontario	West	40,006	14,422	54,427	56,076	(2.9)	7.7	Road (48), Rail (40)
Quebec	North-East	22,525	8,890	31,415	30,037	4.6	4.5	Road (76), Rail (9)
Manitoba and Saskatchewan	Central	12,985	16,131	29,116	24,616	18.3	4.1	Road (64), Rail (18)
Quebec	South	17,749	8,886	26,635	24,088	10.6	3.8	Road (52), Marine (17)
British Columbia	West	12,349	12,542	24,890	23,719	4.9	3.5	Road (67), Pipeline (12)
Alberta	West	18,668	4,491	23,159	20,117	15.1	3.3	Pipeline (47), Road (27)
Alberta	South	16,754	5,915	22,669	17,911	26.6	3.2	Pipeline (46), Rail (30)
Quebec	Central	14,344	4,078	18,422	18,450	(0.2)	2.6	Road (61), Air (17)
Atlantic provinces	North-East	15,767	1,813	17,580	15,470	13.6	2.5	Marine (61), Road (29)
Manitoba and Saskatchewan	South	5,033	7,257	12,290	10,734	14.5	1.7	Road (56), Rail (26)
Subtotal		379,026	268,289	647,314	618,441	4.7	92.1	
Other		35,902	19,703	55,605	54,221	2.6	7.9	
Total Canada/U.S.		414,927	287,992	702,919	672,663	4.5	100.0	Road (60), Rail (17)

Notes: R = Revised data. P = Preliminary data.

1 U.S. Central region includes states of Michigan, Ohio, Indiana, Illinois, Wisconsin, Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska and Kansas.

U.S. North-East region includes New England states and states of New York, Pennsylvania and New Jersey.

U.S. South region includes states from Atlantic to Gulf of Mexico.

U.S. West region includes states of New Mexico, Colorado, Arizona, Utah, Nevada, Wyoming, Idaho, Montana and the Pacific states.

Source: Transport Canada, adapted from Statistics Canada, International Trade Database

Table EC9: Canada's Exports and Imports, by Origin, Destination and Mode of Transport, 2017

(Millions of dollars)

Origin³				
<i>Total Exports¹</i>	<i>Eastern</i>	<i>Western</i>	<i>Total</i>	<i>Main Modes Used</i>
<i>Regions of Destination</i>	<i>Provinces</i>	<i>Provinces</i>	<i>2017^P</i>	<i>(Per cent of total value)</i>
United States	279,663	135,264	414,927	Road (52), Rail (20)
Other Regions	75,944	55,423	131,367	Marine (62), Air (31)
Asia	20,117	36,967	57,083	Marine (84), Air (15)
Western Europe	36,962	6,280	43,242	Air (59), Marine (40)
Latin America	9,024	6,142	15,166	Marine (46), Road (26)
Middle East	4,209	1,963	6,172	Marine (70), Air (25)
Africa	1,593	1,956	3,549	Marine (70), Air (28)
Eastern Europe	2,425	1,070	3,495	Marine (54), Air (44)
Oceania	1,570	1,042	2,613	Marine (44), Air (35)
Other	44	3	47	Marine (77), Air (23)
Total	355,607	190,687	546,294	
Destination³				
<i>Total Imports²</i>	<i>Eastern</i>	<i>Western</i>	<i>Total</i>	<i>Main Modes Used</i>
<i>Regions of Origin</i>	<i>Provinces</i>	<i>Provinces</i>	<i>2017^P</i>	<i>(Per cent of total value)</i>
United States	222,692	65,300	287,992	Road (71), Rail (14)
Other Regions	224,929	48,120	273,049	Marine (39), Road (38)
Asia	96,550	29,798	126,349	Road (43), Marine (41)
Western Europe	59,847	7,898	67,745	Marine (48), Air (29)
Latin America	45,477	6,681	52,158	Road (53), Rail (17)
Middle East	6,730	560	7,290	Marine (62), Air (24)
Eastern Europe	7,552	905	8,457	Marine (63), Air (18)
Africa	4,106	294	4,400	Marine (67), Road (15)
Other	3,227	797	4,023	Road (64), Air (33)
Oceania	1,440	1,186	2,627	Marine (50), Road (35)
Total	447,622	113,419	561,041	

Notes: P = Preliminary data.

- 1 Total exports including domestic exports and re-exports. For exports, mode of transport information represents the mode of transport by which the international boundary is crossed. This may be different from the mode of transport within Canada.
- 2 For imports, the mode of transport represents the last mode of transport by which the cargo was transported to the port of clearance in Canada and is derived from the cargo control documents of customs. This may not be the mode of transport by which the cargo arrived at the Canadian port of entry in the case of inland clearance. This may, therefore, lead to some underestimation of Canadian imports by the marine and air transport modes.
- 3 Province of origin for exports. Province of clearance for imports as the final destination is unknown. Eastern provinces include the Atlantic provinces, Quebec and Ontario. Western provinces include the Prairie provinces, British Columbia, and the Territories (Yukon, Northwest Territories, and Nunavut).

Source: *Transport Canada, adapted from Statistics Canada, International Trade Database*

Table EC10: Canada's Merchandise Trade—Top 25 Partners, 2016 and 2017

(Millions of dollars)

<i>Countries</i>	<i>Total Exports</i>	<i>Ranking</i>	<i>Total Imports</i>	<i>Ranking</i>	<i>Total Trade 2017^P</i>	<i>Ranking</i>	<i>Country Share in %</i>	<i>Cumulative Share in %</i>	<i>Total Trade 2016^R</i>	<i>Percentage Change 2017/2016</i>
United States	414,927	1	287,992	1	702,919	1	63.5	63.5	672,663	4.5
China, People's Republic	23,602	2	70,919	2	94,521	2	8.5	72.0	85,358	10.7
Mexico	7,845	5	35,491	3	43,336	3	3.9	75.9	40,814	6.2
Japan	11,820	4	17,520	5	29,340	4	2.6	78.6	26,517	10.6
United Kingdom	17,635	3	8,892	6	26,527	5	2.4	81.0	25,357	4.6
Germany	4,137	8	17,939	4	22,077	6	2.0	83.0	21,288	3.7
South Korea	5,204	6	8,711	7	13,915	7	1.3	84.2	14,981	(7.1)
Italy	2,292	12	8,151	8	10,444	8	0.9	85.2	9,880	5.7
France	3,410	10	6,182	9	9,592	9	0.9	86.0	9,337	2.7
India	4,214	7	4,159	14	8,373	10	0.8	86.8	8,022	4.4
Netherlands	3,133	11	4,008	16	7,141	11	0.6	87.4	6,514	9.6
Taiwan	1,680	19	5,439	10	7,119	12	0.6	88.1	6,663	6.8
Belgium	3,456	9	3,172	18	6,628	13	0.6	88.7	5,428	22.1
Brazil	1,712	18	4,713	12	6,424	14	0.6	89.3	5,905	8.8
Switzerland	1,998	15	4,402	13	6,400	15	0.6	89.8	5,817	10.0
Vietnam	1,052	25	5,084	11	6,136	16	0.6	90.4	5,483	11.9
Spain	1,655	20	2,805	19	4,460	17	0.4	90.8	4,161	7.2
Norway	1,968	16	2,115	24	4,083	18	0.4	91.2	3,097	31.8
Saudi Arabia	1,453	22	2,619	21	4,072	19	0.4	91.5	2,945	38.3
Thailand	731	32	3,301	17	4,033	20	0.4	91.9	4,051	(0.5)
Canada ¹			4,020	15	4,020	21	0.4	92.3	3,909	2.9
Australia	2,000	14	1,897	28	3,897	22	0.4	92.6	3,961	(1.6)
Malaysia	719	33	2,787	20	3,506	23	0.3	92.9	3,302	6.2
Indonesia	1,729	17	1,730	32	3,459	24	0.3	93.2	3,078	12.4
Turkey	1,265	24	1,785	31	3,051	25	0.3	93.5	2,521	21.0
Other countries	26,655		45,206		71,862		6.5	100.0	69,261	3.8
Grand Total Trade	546,294		561,041		1,107,336		100.0		1,050,310	5.4
Total "Next 11"	20,248		58,370		78,618				76,129	3.3
Total APEC	478,496		453,340		931,837				886,050	5.2
Total BRIC	30,198		80,905		111,103				100,818	10.2
Total EU	41,374		66,316		107,690				100,847	6.8
Total OECD	489,470		433,363		922,833				878,163	5.1

Notes: R= Revised data. P= Preliminary data. EU= European Union. APEC= Asia-Pacific Economic Cooperation. OECD= Organisation for Economic Cooperation and Development.

BRIC: Brazil, Russia, India and China. Next 11: Bangladesh, Egypt, Indonesia, Iran, Mexico, Nigeria, Pakistan, Philippines, Turkey, South Korea and Vietnam.

1 Imports from Canada to Canada are goods that were produced in Canada, exported to another country, and returned to Canada for any number of reasons (e.g. wrong size, wrong colour, did not sell).

Source: Transport Canada, adapted from Statistics Canada, International Trade Database

Table EC11: Visits by Canadians to All Countries, 2015 and 2016

	(Thousands of person-visits)						Percentage Change 2016/15	Per Cent of Total 2016
	Overnight		Same Day		Total			
	2015	2016	2015	2016	2015	2016		
United States	28,142	25,993	30,876	28,228	59,018	54,221	(8.1)	74.2
New York	3,368	3,086	7,016	6,507	10,384	9,593	(7.6)	13.1
Washington	2,750	2,509	7,432	6,448	10,182	8,957	(12.0)	12.3
Michigan	1,432	1,323	6,013	5,763	7,445	7,086	(4.8)	9.7
Florida	3,672	3,345	183	220	3,855	3,565	(7.5)	4.9
Maine	808	745	2,411	2,111	3,219	2,856	(11.3)	3.9
Other	16,112	14,985	7,821	7,179	23,933	22,164	(7.4)	30.3
Europe	6,125	6,674	1,219	1,088	7,344	7,762	5.7	10.6
United Kingdom	1,181	1,261	114	121	1,295	1,382	6.7	1.9
France	1,135	1,150	151	122	1,286	1,272	(1.1)	1.7
Germany	569	578	158	158	727	736	1.2	1.0
Italy	468	487	106	118	574	605	5.4	0.8
Spain	399	450	35	16	434	466	7.4	0.6
Netherlands	237	280	82	87	319	367	15.0	0.5
Ireland	235	274	0	1	235	275	17.0	0.4
Portugal	186	200	31	51	217	251	15.7	0.3
Other	1,715	1,994	542	414	2,257	2,408	6.7	3.3
Africa	661	658	133	138	794	796	0.3	1.1
South Africa	124	145	9	22	133	167	25.6	0.2
Other	537	513	124	116	661	629	(4.8)	0.9
Asia and Oceania	2,756	2,752	185	159	2,941	2,911	(1.0)	4.0
China	480	497	3	1	483	498	3.1	0.7
Hong Kong	243	271	17	9	260	280	7.7	0.4
India	217	247	7	7	224	254	13.4	0.3
Australia	245	208	5	3	250	211	(15.6)	0.3
Thailand	109	100	23	28	132	128	(3.0)	0.2
Japan	111	100	20	23	131	123	(6.1)	0.2
Other	1,351	1,329	110	88	1,461	1,417	(3.0)	1.9
Caribbean	2,602	2,935	984	742	3,586	3,677	2.5	5.0
Cuba	800	858	0	0	800	858	7.3	1.2
Dominican Republic	479	505	41	44	520	549	5.6	0.8
Bahamas	216	224	140	133	356	357	0.3	0.5
Jamaica	221	221	66	87	287	308	7.3	0.4
Barbados	152	172	50	25	202	197	(2.5)	0.3
Other	734	955	687	453	1,421	1,408	(0.9)	1.9
Mexico, Central and South America	3,031	3,193	566	526	3,597	3,719	3.4	5.1
Mexico	1,905	2,033	228	222	2,133	2,255	5.7	3.1
Costa Rica	174	181	56	64	230	245	6.5	0.3
Belize	91	98	55	31	146	129	(11.6)	0.2
Other	861	881	227	209	1,088	1,090	0.2	1.5
Total non-U.S.	15,175	16,212	3,087	2,653	18,262	18,865	3.3	25.8
Grand Total	43,317	42,205	33,963	30,881	77,280	73,086	(5.4)	100.0

Notes: Including side trips from the United States.

In 2013, the International Travel Survey (ITS) implemented a major modernization initiative to improve the quality of its data and processes. Any historical data comparisons should be made with caution.

Source: Statistics Canada, International Travel Survey unpublished data

Table EC12: Canada - United States Travel, by Mode of Transport and by Purpose, 2016

(Thousands of person-visits)

	----- Same Day -----			----- Overnight -----			Trip Duration (Percentage)		
	Primary Trip Purpose			Primary Trip Purpose			Same Day	Overnight	
	Total	Non-business	Business	Total	Non-business	Business			Total
Canadian Residents									
Automobile	31,876	20,117	1,231	21,348	9,997	531	10,528	67.0	33.0
Airplane	7,846	13	23	36	5,129	2,681	7,810	0.5	99.5
Bus	766	272	3	275	472	19	491	35.9	64.1
Rail	32	0	0	0	32	0	32	0.0	100.0
Boat	172	5	0	5	160	7	167	2.9	97.1
Other modes	298	36	0	36	252	10	262	12.1	87.9
Total	40,990	20,443	1,257	21,700	16,042	3,248	19,290	52.9	47.1
U.S. Residents									
Automobile	16,265	7,714	563	8,277	7,594	394	7,988	50.9	49.1
Airplane	5,310	423	374	797	2,335	2,178	4,513	15.0	85.0
Bus	790	434	3	437	330	23	353	55.3	44.7
Rail	149	23	0	23	112	14	126	15.4	84.6
Boat	1,004	416	4	420	571	13	584	41.8	58.2
Other modes	378	28	22	50	284	44	328	13.2	86.8
Total	23,896	9,038	966	10,004	11,226	2,666	13,892	41.9	58.1
Canadian and U.S. Residents									
Automobile	48,141	27,831	1,794	29,625	17,591	925	18,516	61.5	38.5
Airplane	13,156	436	397	833	7,464	4,859	12,323	6.3	93.7
Bus	1,556	706	6	712	802	42	844	45.8	54.2
Rail	181	23	0	23	144	14	158	12.7	87.3
Boat	1,176	421	4	425	731	20	751	36.1	63.9
Other modes	676	64	22	86	536	54	590	12.7	87.3
Total	64,886	29,481	2,223	31,704	27,268	5,914	33,182	48.9	51.1

Note: In 2013, the International Travel Survey (ITS) implemented a major modernization initiative to improve the quality of its data and processes. Any historical data comparisons should be made with caution.

Source: Statistics Canada, International Travel Survey unpublished data

Table EC13: Canada - Overseas Travel, by Mode of Transport and by Purpose, 2016

(Thousands of person-trips)

	----- Same Day -----			----- Overnight -----			Trip Duration (Percentage)		
	Primary Trip Purpose			Primary Trip Purpose			Same Day	Overnight	
	Total	Non-business	Business	Total	Non-business	Business			Total
Canadian Residents									
Airplane	11,942	0	0	0	9,327	2,615	11,942	0.0	100.0
Boat	41	0	0	0	39	2	41	0.0	100.0
Total	11,983	0	0	0	9,366	2,617	11,983	0.0	100.0
Foreign Residents¹									
Automobile	529	16	0	16	453	60	513	3.0	97.0
Airplane	5,385	252	6	258	4,270	857	5,127	4.8	95.2
Bus	117	6	0	6	90	21	111	5.1	94.9
Rail	35	0	0	0	34	1	35	0.0	100.0
Boat	116	34	2	36	76	4	80	31.0	69.0
Other modes	64	0	0	0	61	3	64	0.0	100.0
Total	6,246	308	8	316	4,984	946	5,930	5.1	94.9
Canadian and Foreign Residents									
Automobile	529	16	0	16	453	60	513	3.0	97.0
Airplane	17,327	252	6	258	13,597	3,472	17,069	1.5	98.5
Bus	117	6	0	6	90	21	111	5.1	94.9
Rail	35	0	0	0	34	1	35	0.0	100.0
Boat	157	34	2	36	115	6	121	22.9	77.1
Other modes	64	0	0	0	61	3	64	0.0	100.0
Total	18,229	308	8	316	14,350	3,563	17,913	1.7	98.3

Notes: In 2013, the International Travel Survey (ITS) implemented a major modernization initiative to improve the quality of its data and processes. Any historical data comparisons should be made with caution.

¹ Excludes U.S. residents.

Source: Statistics Canada, International Travel Survey unpublished data

Table EC14: Employment in the Transportation Sector, 2008–2017

	(Number of people)									
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Transportation and related services										
Scheduled air transportation	48,698	51,785	51,829	52,498	54,490	56,026	57,627	57,470	59,344	61,698
Non-scheduled air transportation	12,746	12,434	11,945	11,940	12,085	12,301	12,323	12,760	12,137	11,674
Support activities for air transportation	23,988	24,442	24,409	26,584	28,050	28,201	29,722	30,775	30,916	31,447
Subtotal for air transportation and support activities	85,432	88,661	88,183	91,022	94,625	96,528	99,672	101,005	102,397	104,819
Marine shipping and support activities¹	18,149	15,094	18,535	19,486	18,967	22,745	23,846	21,699	22,594	21,747
Rail transportation	37,783	36,770	34,851	35,870	37,223	37,420	40,821	42,775	44,064	45,250
Support activities for rail transportation	2,738	2,839	2,792	2,615	2,620	2,947	3,727	4,039	4,370	4,410
Subtotal for rail transportation and support activities	40,521	39,609	37,643	38,485	39,843	40,367	44,548	46,814	48,434	49,660
Truck transportation	183,579	170,088	170,025	175,518	182,446	189,381	192,924	195,965	195,841	200,821
Support activities for road transportation	19,742	20,941	21,801	21,807	22,864	23,615	24,134	24,707	26,614	27,169
Post office plus private couriers and messengers ¹	126,116	116,943	120,269	116,022	122,898	117,681	108,672	107,673	110,238	106,665
Waste collection ²	9,998	10,737	11,037	10,576	12,373	12,849	13,953	15,110	15,702	16,631
Subtotal for trucking and related activities²	339,435	318,709	323,132	323,923	340,581	343,526	339,683	343,455	348,395	351,286
Urban transit systems	55,849	56,575	57,378	58,794	59,540	61,309	60,918	61,396	63,124	62,159
School and employee bus transportation	32,922	32,867	32,607	31,487	32,230	32,825	33,487	33,433	33,779	34,645
Interurban and rural bus transportation	3,474	3,463	3,685	4,329	5,138	5,657	4,974	4,915	4,865	4,284
Charter bus industry	5,437	4,669	4,884	5,010	5,030	5,172	4,945	4,899	4,965	5,239
Other transit and ground passenger transportation	4,631	4,399	3,984	4,384	5,097	5,203	5,628	5,984	5,890	6,649
Subtotal for buses and urban transit	102,313	101,973	102,538	104,004	107,035	110,166	109,952	110,627	112,623	112,976
Taxi and limousine service	12,218	11,704	11,572	11,952	11,880	11,727	11,708	11,425	10,994	11,010
Logistics and other freight support services	38,728	36,662	37,274	38,037	39,065	39,333	40,817	41,714	42,214	41,517
Travel arrangement and sightseeing services ^{1,2}	45,044	41,788	38,714	40,655	39,060	38,740	39,442	40,619	38,505	40,661
Subtotal for arrangement and other support services²	95,990	90,154	87,560	90,644	90,005	89,800	91,967	93,758	91,713	93,188
Self-employment ¹	143,383	146,698	142,344	145,580	146,308	156,613	171,240	174,272	170,987	171,600
TOTAL - Transportation and related services	825,223	800,898	799,935	813,144	837,364	859,745	880,908	891,630	897,143	905,276
<i>NAICS Transportation and warehousing employment not included above³</i>	<i>52,674</i>	<i>53,153</i>	<i>53,571</i>	<i>50,043</i>	<i>50,274</i>	<i>47,372</i>	<i>45,913</i>	<i>49,317</i>	<i>53,826</i>	<i>63,321</i>
Transportation manufacturing, commercial services and construction										
Aerospace product and parts manufacturing	46,238	43,710	43,286	44,324	46,440	47,613	49,303	47,259	45,683	43,980
Ship and boat building	7,587	6,906	6,580	6,045	6,457	6,480	6,482	6,876	7,233	7,872
Railroad rolling stock manufacturing	5,359	3,457	3,462	4,016	3,703	3,354	3,461	4,150	3,889	3,771
Motor vehicle manufacturing	42,172	35,617	37,188	37,401	37,207	38,880	40,161	41,417	43,209	43,673
Parts and other motor vehicle manufacturing	95,429	73,500	72,187	74,415	77,980	78,534	81,339	83,987	83,666	87,266
Other transportation equipment manufacturing	6,517	6,313	6,273	6,568	6,535	7,114	6,415	7,434	8,221	9,099
Subtotal for transportation equipment manufacturing	203,302	169,503	168,976	172,769	178,322	181,975	187,161	191,123	191,901	195,661
Motor vehicle wholesalers	63,224	58,610	57,707	60,123	62,031	62,404	63,801	65,047	63,300	62,319
Motor vehicle retailers	188,469	182,873	182,626	185,202	189,159	196,118	204,593	207,295	210,853	215,736
Transport equipment rental and leasing ⁴	27,749	25,757	24,035	24,417	25,043	26,038	27,064	28,065	27,613	28,123
Gasoline stations	82,848	81,967	80,531	80,281	78,885	78,536	80,838	81,642	82,565	84,048
Automotive repair and maintenance	94,909	92,061	93,200	94,978	96,657	98,120	101,628	104,485	106,024	108,517
Subtotal for Transportation-related commercial services	457,199	441,268	438,099	445,001	451,775	461,216	477,924	486,534	490,355	498,743
Highway, street and bridge construction	58,606	57,954	56,552	57,187	59,563	57,812	56,302	54,850	54,441	53,301
TOTAL - Transportation manufacturing, commercial services and construction	719,107	668,725	663,627	674,957	689,660	701,003	721,387	732,507	736,697	747,705

Notes: NAICS = North American Industry Classification System

Data for transportation-related local government employment are not collected.

1 Transport Canada estimates.

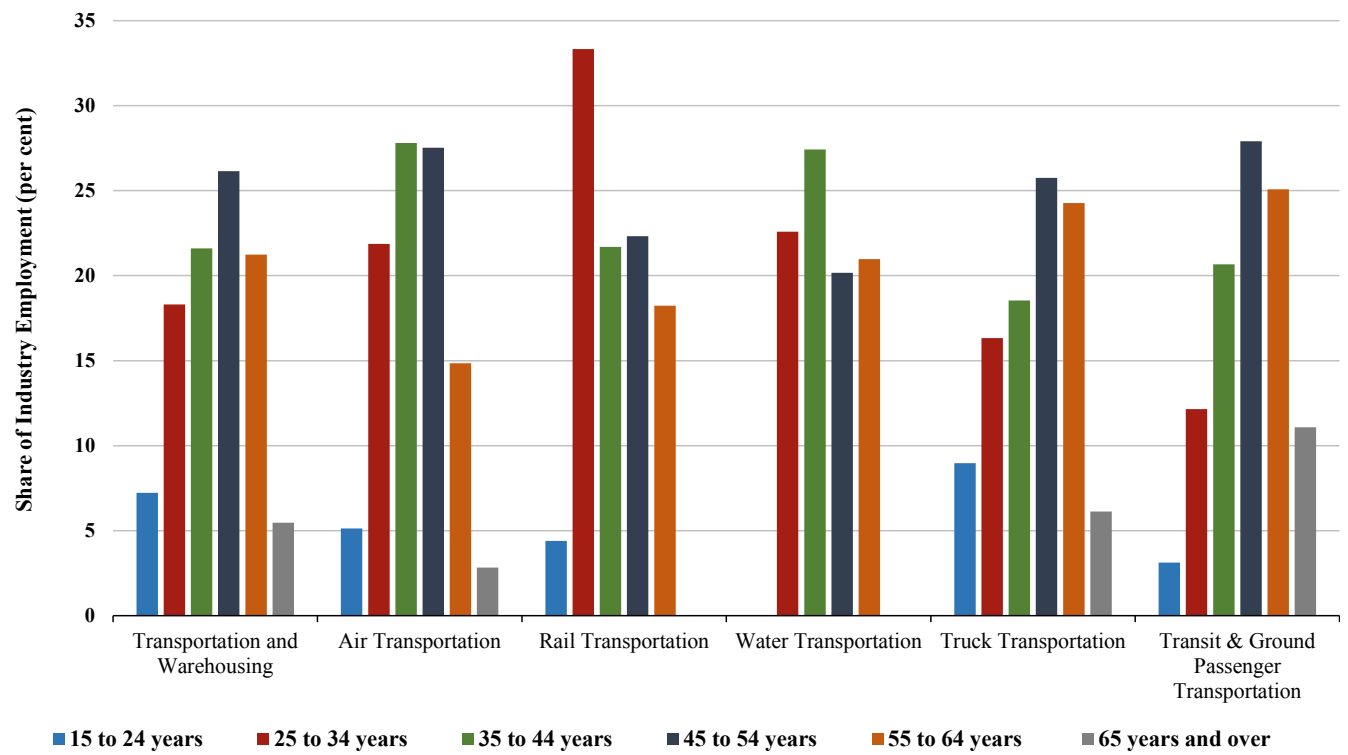
2 Includes employment from sectors outside of NAICS 48-49 Transportation and warehousing.

3 Transport Canada estimates of paid and self-employment in the Pipeline and Warehousing industries.

4 Transport Canada estimates of transportation equipment segment of this industry.

Source: Transport Canada estimates derived from Statistics Canada, CANSIM Tables 281-0024 and 282-0012 and other sources

Figure EC15: Labour in Transportation Modes in Canada, by Age Range, 2017



Source: Statistics Canada, Labour Force Survey (LFS), custom tabulation

Table EC16: Average Weekly Earnings¹ by Selected Transportation Industries, 2008–2017

	(Current Dollars)									
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Transportation and Warehousing²	883	873	880	914	929	969	1,003	1,032	1,015	1,041
Air transportation										
Scheduled air transportation	1,010	1,084	1,030	1,017	1,063	1,096	1,099	1,197	1,066	1,161
Non-scheduled air transportation	1,061	1,173	1,041	1,099	1,099	1,151	1,182	1,251	1,125	1,200
Support activities for air transportation	1,277	1,199	1,127	1,199	1,153	1,207	1,199	1,246	1,232	1,272
Marine transportation										
Marine	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Support activities for marine transportation	1,036	1,039	1,095	1,148	1,176	1,297	1,262	1,329	1,290	1,333
Rail transportation										
Rail transportation	1,173	1,193	1,256	1,293	1,376	1,355	1,312	1,505	1,428	1,507
Support activities for rail transportation	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Truck transportation										
General freight trucking	829	813	835	841	858	865	889	883	894	916
Specialized freight trucking	896	854	864	924	961	981	1,049	1,031	983	1,010
Support activities for road transportation	845	828	822	856	853	893	927	879	883	909
Postal service	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Couriers and messengers	732	649	651	711	675	749	757	801	790	858
Waste collection	848	783	886	913	884	904	925	949	1,002	993
Buses and urban transit										
Urban transit systems	982	941	943	979	981	1,142	1,268	1,315	1,330	1,305
Interurban and rural bus transportation	828	N/A	N/A	N/A	N/A	N/A	N/A	N/A	905	1,053
School and employee bus transportation	510	524	539	519	524	522	546	552	545	519
Charter bus industry	575	582	N/A	588	588	N/A	N/A	N/A	N/A	624
Other transit and ground passenger transportation	503	531	555	553	553	575	567	556	585	577
Other transport-related industries										
Taxi and limousine service	428	423	413	420	439	430	N/A	474	459	472
Freight transportation arrangement	956	947	899	911	965	997	1,021	1,000	1,018	1,016
Other support activities for transportation	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Travel arrangement and reservation services	730	708	736	778	770	734	764	830	837	853
Scenic and sightseeing transportation	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Automotive repair and maintenance	696	741	731	750	760	781	806	800	831	846
Highway, street and bridge construction	1,049	1,116	1,123	1,179	1,254	1,332	1,354	1,348	1,324	1,319
Pipelines	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Warehousing and storage	734	715	790	760	784	834	862	819	909	920
Transit and ground passenger transportation	744	732	742	760	766	848	916	949	957	937

Notes: NAICS = North American Industry Classification System. N/A = Data not available.

1 Gross average weekly earnings, including overtime, before deductions, for employees paid by the hour and salaried employees paid a fixed salary. Self-employment earnings are not included.

2 Weighted average for NAICS Sector 48-49 "Transportation and Warehousing."

Source: Statistics Canada, CANSIM Table 281-0027

Table EC17: Labour Actions in the Transport Sector, by Mode, 2008–2017

	2008	2009	2010	2011	2012	2013	2014	2015	2016 ^R	2017 ^P
Number of Stoppages										
Air transportation ¹	0	1	1	3	2	2	2	1	0	2
Marine transportation ^{1,2}	1	0	1	5	1	0	0	5	1	2
Rail transportation ¹	0	2	0	1	3	0	0	3	0	0
Truck transportation	0	1	1	2	0	0	0	2	1	0
Bus/transit ³	8	7	1	9	7	3	3	1	7	1
Taxi/limousine	0	1	1	1	1	0	1	1	0	0
Other ⁴	2	0	2	2	2	0	2	4	0	0
Total	11	12	7	23	16	5	8	17	9	5
Number of Workers Involved										
Air ¹	0	50	21	4,222	102	110	475	56	0	730
Marine ^{1,2}	18	0	830	418	17	0	0	285	250	54
Rail ¹	0	1,830	0	109	4,529	0	0	4,137	0	0
Truck	0	80	24	86	0	0	0	126	90	0
Bus/transit ³	12,012	3,314	100	906	1,591	168	549	48	615	602
Taxi/limousine	0	300	142	142	754	0	22	240	0	0
Other ⁴	2,257	0	458	48,100	131	0	75	249	0	0
Total	14,287	5,574	1,575	53,983	7,124	278	1,121	5,141	955	1,386
Person-days Not Worked										
Air ¹	0	700	380	17,440	9,280	14,980	25,280	40	0	41,090
Marine ^{1,2}	710	0	4,150	6,270	100	0	0	3,910	27,250	540
Rail ¹	0	6,980	0	14,400	54,450	0	0	22,990	0	0
Truck	0	240	340	610	0	0	0	3,060	960	0
Bus/transit ³	53,290	82,240	4,100	29,420	41,410	1,180	9,570	240	4,830	1,810
Taxi/limousine	0	22,280	3,140	12,440	18,320	0	770	21,590	0	0
Other ⁴	60,820	0	57,390	418,200	1,350	0	10,340	15,420	0	0
Total	114,820	112,440	69,500	498,780	124,910	16,160	45,960	67,250	33,040	43,440

Notes: R= Revised data. P= Preliminary data. Transportation industries based on NAICS definition. NAICS = North American Industry Classification System.

1 Includes support activities.

2 Includes marine sightseeing.

3 Includes urban transit systems, interurban and rural bus transport, school buses, charter bus transport, land sightseeing and other transit and ground passenger transportation.

4 Includes freight forwarders, support services for ground transport, other sightseeing, pipelines, postal service, couriers and messengers, and warehousing.

Source: Transport Canada, adapted from Employment and Social Development Canada (ESDC) special tabulation

Table EC18: Average Crude Oil Prices - Canadian and U.S. \$ per Barrel, 2008–2017

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	<i>(Per cent change)</i>		
											2014/15	2015/16	2016/17
WTI (Cushing, Oklahoma) \$U.S./Bbl	99.59	61.63	79.43	95.00	94.19	97.98	93.00	48.80	43.32	50.95	(47.5)	(11.2)	17.6
WTI (Cushing, Oklahoma) \$CDN/Bbl	105.58	70.02	81.79	93.84	94.11	100.89	102.71	62.29	57.36	66.16	(39.4)	(7.9)	15.4
Brent (UK) \$U.S./Bbl	97.06	61.53	79.48	111.22	111.44	108.52	99.51	53.64	45.04	54.83	(46.1)	(16.0)	21.7
Brent (UK) \$CDN/Bbl	102.89	69.90	81.84	109.87	111.33	111.74	109.90	68.46	59.63	71.20	(37.7)	(12.9)	19.4
Western Canada Select \$CDN/Bbl	83.62	58.66	67.21	77.09	73.08	74.93	81.06	44.83	38.89	48.78	(44.7)	(13.2)	25.4
Hardisty (Bow River) \$CDN/Bbl	83.85	59.71	68.27	78.30	74.36	76.16	81.67	45.35	39.22	50.72	(44.5)	(13.5)	29.3
Exchange Rate \$U.S./\$Cdn	0.94	0.88	0.97	1.01	1.00	0.97	0.91	0.78	0.76	0.77	(13.5)	(3.6)	2.0

Notes: WTI = West Texas Intermediate. UK = United Kingdom.

Source: Sproule Associates Limited

Table EC19: Retail Price of Regular Road Gasoline and Diesel For Selected Cities, 2008–2017

	(Cents per litre)									
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Regular Gasoline										
St John's	123.7	102.2	110.7	129.1	132.6	129.9	131.4	109.6	114.5	125.2
Charlottetown	114.6	93.3	101.2	118.8	123.9	129.3	131.2	105.8	99.0	108.8
Halifax	117.8	96.2	105.8	125.4	131.4	131.2	131.1	105.9	99.1	108.4
Saint John	113.7	91.4	99.9	121.7	127.7	127.1	127.7	104.1	98.7	108.9
Montreal	118.2	98.3	108.3	130.5	136.9	137.9	137.5	115.7	108.0	119.0
Toronto	110.0	91.4	102.1	124.0	126.7	127.8	128.2	106.7	101.2	113.6
Winnipeg	114.6	93.5	97.2	114.0	117.9	120.5	117.5	97.1	92.5	97.7
Regina	117.7	96.7	102.0	121.6	122.2	120.1	120.7	100.4	92.0	98.8
Calgary	110.1	87.5	93.0	111.0	111.8	112.9	115.3	99.1	92.0	101.9
Vancouver	120.6	103.4	114.7	131.6	135.1	137.5	137.7	124.2	118.8	134.7
Canada ¹	114.1	94.5	103.5	123.9	127.5	128.1	128.3	108.8	102.8	114.6
Road Diesel										
St John's	136.9	100.0	111.4	133.8	137.6	138.5	139.9	115.7	108.4	121.6
Charlottetown	128.5	92.5	101.8	123.2	127.2	137.7	141.2	114.0	103.1	113.8
Halifax	127.5	92.9	103.5	126.2	131.5	132.5	133.9	105.2	94.1	104.5
Saint John	131.4	95.3	104.8	128.8	134.2	135.5	137.2	111.1	101.9	112.5
Montreal	133.0	96.9	107.2	132.0	137.3	138.9	139.9	116.6	103.1	112.4
Toronto	121.3	89.0	101.8	127.9	125.2	125.8	130.7	107.8	93.8	107.9
Winnipeg	122.9	86.4	96.6	116.5	119.3	124.7	131.9	100.5	92.7	103.3
Regina	123.7	87.1	96.5	118.0	118.4	123.2	132.4	99.9	90.9	101.3
Calgary	120.4	82.5	91.3	113.4	113.6	118.5	127.7	99.6	90.5	106.0
Vancouver	129.9	95.5	111.1	132.1	138.6	141.9	145.7	122.1	111.9	121.0
Canada ¹	125.1	89.6	100.9	124.5	125.4	128.5	134.1	109.2	97.7	110.2

Notes:

1 Volume-weighted average calculated by M.J. Ervin, based on the volume of fuel sold in each selected city. Additional cities (not shown here) are included in the sample used to calculate the national average.

Source: Kent Group Ltd.

Table EC20: Price of Other Transportation Fuels, 2008–2017

	(Cents per litre)									
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Jet Fuel (Turbo) ¹	83.50	50.04	58.43	78.31	80.70	79.56	78.71	51.53	43.72	53.57
Aviation Gasoline ²	103.81	85.06	94.08	110.81	116.35	119.27	N/A	N/A	N/A	N/A
Marine Bunker ³	55.21	44.34	56.26	76.19	83.82	81.76	88.40	N/A	N/A	N/A
Rail Diesel (Proxy) ⁴	87.84	55.10	63.73	82.79	86.20	86.02	85.87	60.19	51.30	60.88

Notes: R= Revised data. P= Preliminary data. N/A= Not available.

Historical data has been updated according to the most recent sources.

1 U.S. Gulf Coast spot price converted to Canadian dollars.

2 Average U.S. retail price converted to Canadian dollars, to which the Canadian federal excise tax was added (11.5¢ per litre).

3 New York Harbor Residual Fuel Oil 1.0 % Sulfur LP Spot Price CIF, converted to Canadian dollars, to which the Canadian federal excise tax of 4¢ per litre was added.

4 FOB Spot Price of No 2 Diesel Ultra-Low Sulfur Spot Price in New York Harbour, converted to Canadian dollars, to which the Canadian federal excise tax of 4¢ per litre was added.

Source: Transport Canada estimates based on U.S. Department of Energy data

Table EC21: Price and Output Indicators, Transport Industries, 2011–2016

	Price Changes (Annual per cent change)					Output Changes (Annual per cent change)				
	2012/11 ^R	2013/12 ^R	2014/13 ^R	2015/14 ^R	2016/15	2012/11 ^R	2013/12 ^R	2014/13 ^R	2015/14 ^R	2016/15
CN and CP										
Agriculture	5.2	8.1	0.8	3.4	(1.8)	2.4	(6.3)	21.3	1.4	(2.8)
Other Bulk Commodities	3.7	4.1	5.6	2.6	0.8	3.0	(1.2)	(7.3)	(1.9)	2.3
Other Commodities	4.8	3.9	7.2	2.9	(0.2)	9.6	6.9	8.0	(2.3)	(9.1)
Intermodal Transportation	2.3	0.9	2.9	(3.6)	0.2	5.1	2.6	4.5	3.1	(1.2)
Total Transportation Activities	3.9	3.7	4.5	1.1	(0.2)	5.7	1.8	6.2	(0.1)	(3.9)
Airline Industry										
Passenger	2.2	1.9	(0.4)	(3.7)	(7.3)	3.5	0.1	7.0	7.1	9.9
Freight	(1.9)	(4.5)	(4.6)	1.1	(11.2)	2.5	(0.7)	9.0	(1.4)	13.1
Total Transportation Activities	2.0	1.7	(0.5)	(3.6)	(7.5)	3.4	0.1	7.1	6.8	10.0
Business Carriers¹										
Freight	3.6	3.3	4.1	1.1	(0.7)	5.6	1.7	6.3	(0.2)	(3.2)
Passenger	2.2	1.9	(0.4)	(3.7)	(7.3)	3.5	0.1	7.0	7.1	9.9
Total Transportation Activities	2.8	2.5	1.6	(1.6)	(4.5)	4.3	0.8	6.7	3.8	4.0
VIA Rail										
Corridor	(0.7)	(5.1)	6.9	3.8	11.8	(1.9)	3.6	(1.4)	1.2	(5.5)
Long Haul	(3.8)	8.1	7.9	13.0	(6.3)	1.8	(15.7)	(5.1)	(4.2)	33.4
Remote-Regional	(2.8)	15.0	7.5	1.3	(6.4)	(15.8)	(1.0)	(29.9)	12.8	6.1
Total Transportation Activities	(1.5)	(2.0)	7.1	5.6	7.1	(1.5)	(1.0)	(2.9)	0.3	2.2
Transit										
Passenger	1.9	4.4	3.0	3.4	3.0	1.4	1.1	1.0	(0.5)	(0.2)
Public Carriers										
Total Transportation Activities	1.7	3.9	3.3	3.5	3.3	1.2	0.9	0.8	(0.5)	(0.1)
All Carriers Listed Above										
Total Transportation Activities	2.6	2.7	1.8	(1.0)	(3.6)	3.9	0.8	5.9	3.3	3.5
Overall Economy	1.2	1.6	2.0	(0.8)	0.6	1.6	2.3	2.9	0.9	1.4

Notes: R= Revised data. CN= Canadian National. CP= Canadian Pacific.

1 CN and CP, and the airline industry.

Sources: Transport Canada, based on Statistics Canada and carriers' files

Table EC22: Efficiency Indicators, Transport Industries, 2010–2015

	<i>Productivity (Annual per cent change)</i>					<i>Unit Costs (Annual per cent change)</i>				
	2011/10 ^R	2012/11 ^R	2013/12 ^R	2014/13 ^R	2015/14	2011/10 ^R	2012/11 ^R	2013/12 ^R	2014/13 ^R	2015/14
CN and CP										
Labour	(4.6)	2.9	5.8	(0.1)	3.6	21.0	3.8	(3.8)	(0.1)	(17.3)
Fuel	5.1	(3.7)	3.4	1.2	3.9	23.4	4.2	0.4	5.1	(29.5)
Capital	(2.0)	6.1	(4.0)	4.6	(6.0)	(8.1)	(2.6)	4.2	(4.2)	2.9
Total	6.3	1.9	2.2	0.3	(2.8)	0.2	1.6	(0.5)	1.5	(8.1)
Airline Industry										
Labour	7.2	0.2	(1.1)	10.0	2.5	(0.3)	4.0	2.8	(6.9)	(0.9)
Fuel	2.6	1.1	1.4	1.7	3.9	24.1	1.6	(2.4)	(0.9)	(28.1)
Capital	11.3	4.5	(5.1)	1.1	(1.4)	(5.3)	(3.4)	0.1	1.0	11.5
Total	7.4	2.6	(1.6)	1.8	0.6	2.7	(1.0)	0.7	(0.7)	(5.7)
Business Carriers¹										
Labour	1.2	1.6	2.4	4.7	3.1	9.7	3.9	(0.7)	(3.5)	(9.4)
Fuel	2.9	0.0	2.2	1.4	2.9	23.9	2.3	(1.7)	0.7	(28.5)
Capital	5.6	5.1	(4.6)	2.5	(3.2)	(6.5)	(3.1)	1.8	(1.2)	8.0
Total	7.0	2.4	(0.3)	1.3	(0.6)	1.8	(0.1)	0.3	0.1	(6.6)
Via Rail										
Labour	2.0	0.6	5.7	(4.7)	1.0	16.9	1.6	0.4	(4.1)	10.7
Fuel	1.7	13.5	8.2	0.5	(3.3)	(11.2)	2.6	(0.6)	2.1	2.2
Capital	(3.1)	(4.9)	0.9	(4.2)	(0.5)	5.0	17.9	7.3	4.2	15.3
Total	2.6	0.4	2.1	(2.6)	(7.9)	5.2	3.8	2.6	(0.1)	15.0
Transit										
Labour	1.1	0.7	4.3	(5.0)	1.6	1.3	2.3	2.3	3.6	6.3
Fuel	1.6	2.1	(2.9)	(1.8)	0.5	13.2	1.0	6.2	3.3	(8.0)
Capital	(17.8)	(11.9)	(13.2)	(7.9)	(11.8)	5.6	4.8	6.0	6.4	10.7
Total	(4.0)	(1.5)	(2.7)	(5.7)	(4.7)	3.0	1.1	4.1	4.9	6.8
Total Transport										
Business Carriers	7.0	2.4	(0.3)	1.3	(0.6)	1.8	(0.1)	0.3	0.1	(6.6)
Public Carriers	(3.6)	(1.4)	(2.4)	(5.5)	(4.8)	3.1	1.3	4.0	4.6	7.2
Total	3.9	1.3	(0.9)	(0.7)	(1.9)	2.1	0.3	1.3	1.4	(2.7)

Notes: R= Revised data. CN= Canadian National. CP= Canadian Pacific.

1 CN and CP, and the airline industry.

Source: Transport Canada, based on Statistics Canada and carriers' data

Table EC23: Cost Structure of Transport Industries, 2012–2015

Variable	(Percentage of Total Costs)											
	<i>Business Carriers¹</i>				<i>Public Carriers</i>				<i>Total Carriers</i>			
	2012 ^R	2013 ^R	2014 ^R	2015	2012 ^R	2013 ^R	2014 ^R	2015	2012 ^R	2013 ^R	2014 ^R	2015
Labour	23.7	23.6	22.7	21.8	46.0	45.2	44.6	44.0	29.9	29.8	28.9	29.0
Fuel	26.1	25.6	25.8	19.8	6.7	6.9	6.8	6.0	20.8	20.2	20.4	16.0
Other	31.6	32.1	33.0	37.0	19.5	19.6	19.8	20.0	28.3	28.5	29.3	32.0
Capital	18.5	18.8	18.5	21.4	27.8	28.3	28.9	29.6	21.1	21.5	21.4	23.9

Notes: R= Revised data. CN= Canadian National. CP= Canadian Pacific.

1 CN and CP, and the airline industry.

Source: Transport Canada, based on Statistics Canada and carriers' data

Table EC24: Financial Performance of Transportation Industries, 2010–2016

	(Millions of dollars)						
	2010	2011	2012	2013	2014	2015	2016
CN and CP – Canadian Operations							
Operating Revenues	9,406	10,132	11,100	11,704	12,945	13,090	12,590
Operating Expenses	7,549	7,955	8,501	8,631	9,274	8,456	7,563
Operating Profit (Loss)	1,857	2,177	2,599	3,073	3,670	4,634	5,027
Operating Ratio ¹	80.3	78.5	76.6	73.7	71.6	64.6	60.1
Regional Railways²							
Operating Revenues	288	354	355	385	379	219	160
Operating Expenses	218	227	251	251	235	145	135
Operating Profit (Loss)	70	128	104	134	143	74	25
Operating Ratio ¹	75.8	64.0	70.6	65.1	62.2	66.1	84.3
Short Line Railways³							
Operating Revenues ^R	368	362	348	373	449	652	342
Operating Expenses ^R	317	323	313	326	422	548	331
Operating Profit (Loss) ^R	51	39	35	47	27	104	11
Operating Ratio ^{1,R}	86.1	89.2	90.0	87.5	94.0	84.0	97.0
Air Canada and Affiliates							
Operating Revenues ^R	10,097	10,953	11,409	11,636	12,458	13,301	13,735
Operating Expenses ^R	9,750	10,707	10,840	10,880	11,455	11,613	11,897
Operating Profit (Loss) ^R	346	245	568	756	1,003	1,688	1,838
Operating Ratio ^{1,R}	96.6	97.8	95.0	93.5	91.9	87.3	86.6
WestJet							
Operating Revenues	2,609	3,072	3,427	3,662	3,977	4,029	4,123
Operating Expenses	2,362	2,815	3,052	3,263	3,501	3,460	3,683
Operating Profit (Loss)	248	257	376	400	475	570	440
Operating Ratio ¹	90.5	91.6	89.0	89.1	88.0	85.9	89.3
VIA Rail							
Operating Revenues	263	270	264	258	265	281	307
Operating Subsidies	261	261	279	308	317	280	268
Operating Expenses	546	572	583	599	567	659	741
Operating Ratio ¹	207.8	211.8	220.6	231.7	214.0	234.7	241.4
Transit Industry							
Operating Revenues ^R	3,528	3,717	3,893	4,107	4,240	4,385	4,582
Operating Subsidies ^R	3,342	3,554	3,593	3,843	4,044	4,405	4,584
Total Costs ^R	8,604	9,188	9,565	10,083	10,592	11,355	9,772
Cost Recovery Ratio ^{4,R}	41.0	40.5	40.7	40.7	40.0	38.6	46.9

Notes: R= Revised data. CN= Canadian National. CP= Canadian Pacific.

1 Operating Expenses divided by Operating Revenues.

2 Ontario Northland, Algoma Central, QNSL and BC Rail and Canadian connectors to U.S. railroads.

3 All other Class II railroads except carriers which provide incomplete information.

4 Operating Revenues divided by Total Costs.

Source: Transport Canada, based on Statistics Canada and carriers' data

GOVERNMENT SPENDING AND REVENUES ON TRANSPORTATION

Table G1: Summary of Transportation Expenditures and Revenues by Level of Government¹, 2007/08–2016/17

(Millions of dollars)

	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
Transport Canada										
Operating	768.2	830.1	884.3	882.9	873.6	753.9	826.5	923.4	942.5	795.6
Capital	72.7	66.2	106.6	84.4	69.2	58.2	75.6	124.1	119.2	89.6
Transfer payments	373.7	502.1	362.7	411.0	426.7	608.0	526.4	646.9	591.0	379.2
Gross expenditures	1,214.6	1,398.4	1,353.7	1,378.3	1,369.4	1,420.1	1,428.5	1,694.3	1,652.7	1,264.4
Licences and fees	7.3	7.5	5.3	5.0	4.8	4.0	3.9	3.0	1.5	1.3
User fees and other revenues	514.2	447.9	890.2	425.1	441.9	434.4	435.4	443.1	456.6	541.0
Total revenues	521.5	455.4	895.6	430.1	446.7	438.4	439.3	446.1	458.1	542.3
Expenditures net of revenues	693.1	943.0	458.1	948.2	922.7	981.7	989.2	1,248.3	1,194.6	722.1
Other federal departments/agencies²										
Operating	1,555.5	1,698.2	2,004.8	2,213.1	2,068.1	2,090.9	2,316.2	2,382.5	2,963.1	3,095.5
Capital	238.7	283.8	494.1	498.8	347.7	334.2	308.3	418.8	962.1	1,034.1
Transfer payments	1,855.6	2,009.6	2,283.1	3,401.3	2,149.8	1,675.2	1,283.3	1,270.5	1,371.2	1,320.8
Gross expenditures	3,649.9	3,991.6	4,782.0	6,113.2	4,565.6	4,100.2	3,907.7	4,071.9	5,296.4	5,450.4
Fuel taxes	5,139.6	5,160.6	5,178.3	5,342.1	5,328.3	5,380.5	5,486.4	5,527.9	5,564.8	5,634.1
Sales taxes	5,963.2	5,436.1	5,377.7	5,707.1	5,927.8	6,121.1	6,410.1	6,568.4	6,522.4	6,652.8
Licences and fees	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
User fees and other revenues	446.5	430.8	420.4	641.3	673.4	745.9	867.6	941.2	1,085.4	1,147.0
Total revenues	11,549.3	11,027.5	10,976.3	11,690.4	11,929.5	12,247.6	12,764.1	13,037.5	13,172.6	13,433.9
Expenditures net of revenues ³	(7,899.4)	(7,036.0)	(6,194.4)	(5,577.3)	(7,363.9)	(8,147.3)	(8,856.3)	(8,965.7)	(7,876.2)	(7,983.5)
Provinces and territories										
Operating	4,694.8	5,495.4	4,202.0	4,435.9	4,669.5	6,499.3	9,029.2	9,233.7	10,217.3	10,114.1
Capital	7,745.0	8,701.5	7,664.6	8,454.4	8,042.9	8,746.1	8,670.1	8,270.5	8,713.9	9,458.5
Transfer payments	4,310.0	2,659.0	3,829.3	3,445.5	3,386.5	4,563.6	4,782.2	5,118.2	5,575.7	5,564.1
Gross expenditures	16,749.8	16,855.9	15,695.9	16,335.8	16,098.8	19,809.0	22,481.6	22,622.4	24,506.9	25,136.7
Federal transfers to provinces/territories ⁴	(472.3)	(388.0)	(779.3)	(1,330.6)	(966.4)	(1,066.0)	(550.2)	(673.7)	(763.0)	(816.0)
Expenditures net of transfers	16,277.5	16,467.8	14,916.7	15,005.2	15,132.4	18,743.0	21,931.3	21,948.7	23,743.9	24,320.6
Fuel taxes	7,962.4	7,736.5	8,113.2	8,147.1	8,610.2	8,639.9	9,198.0	9,157.7	9,801.0	10,166.8
Sales taxes	5,525.1	5,726.4	6,028.4	7,178.6	8,211.9	8,679.2	9,129.8	9,491.9	9,754.2	9,949.4
Licences and fees	3,451.6	3,483.5	3,558.1	3,348.5	3,330.8	3,570.3	3,968.9	4,227.4	4,567.3	4,864.0
User fees and other revenues	66.7	45.0	42.5	48.2	890.5	957.7	1,139.7	1,328.0	1,317.0	1,390.5
Total revenues	17,005.8	16,991.4	17,742.1	18,722.4	21,043.4	21,847.0	23,436.5	24,205.0	25,439.5	26,370.7
Expenditures net of revenues ³	(728.2)	(523.6)	(2,825.4)	(3,717.2)	(5,911.0)	(3,104.0)	(1,505.2)	(2,256.3)	(1,695.6)	(2,050.1)
Combined federal and provincial/territorial governments										
Expenditures net of transfers										
Federal government (gross expenditures)	4,864.5	5,390.0	6,135.7	7,491.5	5,935.1	5,520.3	5,336.2	5,766.2	6,949.1	6,714.8
Provincial/territorial governments (expenditures net of transfers)	16,277.5	16,467.8	14,916.7	15,005.2	15,132.4	18,743.0	21,931.3	21,948.7	23,743.9	24,320.6
Overall	21,142.0	21,857.8	21,052.3	22,496.7	21,067.5	24,263.4	27,267.5	27,714.9	30,693.0	31,035.5
Revenues										
Federal government revenues	12,070.8	11,482.9	11,871.9	12,120.5	12,376.2	12,686.0	13,203.4	13,483.6	13,630.6	13,976.2
Provincial/territorial government revenues	17,005.8	16,991.4	17,742.1	18,722.4	21,043.4	21,847.0	23,436.5	24,205.0	25,439.5	26,370.7
Overall	29,076.5	28,474.3	29,614.0	30,842.9	33,419.6	34,533.0	36,639.8	37,688.6	39,070.2	40,346.9
Revenues (not including sales taxes)⁵										
Federal government revenues (not including sales taxes)	6,107.6	6,046.8	6,494.2	6,413.4	6,448.4	6,564.8	6,793.2	6,915.2	7,108.3	7,323.4
Provincial/territorial government revenues (not including sales taxes)	11,480.7	11,265.0	11,713.7	11,543.8	12,831.5	13,167.8	14,306.7	14,713.2	15,685.3	16,421.3
Overall	17,588.3	17,311.8	18,207.9	17,957.2	19,279.9	19,732.6	21,099.9	21,628.4	22,793.6	23,744.7

Notes:

1 The tables in this section (G) cover the 10 fiscal years up to the end of March, 2017. Data are presented on a modified cash (public accounts) basis.

2 FedNor has adjusted their data from 2011/12 to 2015/16 to reflect a change from budgeted to actually reported amounts.

3 Brackets indicate revenues exceed expenditures.

4 Estimation of transportation-related transfer payments received (as reported by provincial/territorial respondents).

5 Provided for comparison with past years' reports.

Sources: Survey responses from provincial/territorial governments and selected federal government departments and agencies; Public Accounts; Departmental Performance Reports (including supplementary tables); Department of Finance tax expenditure reports; Statistics Canada data. Some amounts have been imputed for non-response/missing data. For detailed results, see tables G3, G4 and G6.

Table G2: Transportation Expenditures and Revenues by Mode and Level of Government, 2007/08–2016/17

(Millions of dollars)

	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
Federal Operating Expenditures, Capital Expenditures and Transfers^{1,2}										
Air Mode	742.3	733.7	982.5	934.4	847.7	811.2	885.1	984.8	1,003.1	1,045.4
Marine Mode	1,099.9	1,240.6	1,339.8	1,494.8	1,235.7	1,279.5	1,329.5	1,267.2	2,045.6	1,971.2
Rail Mode	258.0	314.4	445.6	581.0	544.0	470.1	448.8	451.5	499.7	396.0
Road Mode	929.4	883.7	1,478.2	2,420.1	1,336.9	1,166.4	752.5	1,006.4	1,357.6	1,572.5
Transit	1,123.5	1,366.1	1,059.6	1,149.3	1,048.5	775.7	848.7	747.6	825.7	798.9
Other Modes	711.4	851.5	829.9	911.8	922.3	1,017.4	1,071.7	1,308.7	1,217.3	930.8
Subtotal	4,864.5	5,390.0	6,135.7	7,491.5	5,935.1	5,520.3	5,336.2	5,766.2	6,949.1	6,714.8
Provincial/Territorial Expenditures (before deducting federal transfers)										
Air Mode	117.7	136.4	180.8	218.2	189.2	184.8	263.5	279.7	308.4	284.9
Marine Mode	321.1	377.4	399.3	428.4	487.4	496.2	479.8	544.3	552.7	510.2
Rail Mode	52.4	58.4	71.3	78.5	81.5	91.6	117.8	92.7	103.3	86.1
Road Mode	12,815.6	13,973.8	12,767.8	13,182.2	12,713.6	12,978.8	14,794.4	14,572.5	15,217.5	15,037.4
Transit	3,098.0	1,946.5	1,936.5	2,096.6	2,278.6	5,633.3	6,476.1	6,784.1	8,094.9	8,998.0
Other Modes	345.0	363.3	340.1	331.9	348.5	424.2	349.9	349.2	230.0	220.2
Subtotal	16,749.8	16,855.9	15,695.9	16,335.8	16,098.8	19,809.0	22,481.6	22,622.4	24,506.9	25,136.7
Provincial/Territorial Expenditures Net of Federal Transfers³										
Air Mode	102.6	118.9	163.8	211.9	185.4	164.8	239.3	261.5	297.1	281.6
Marine Mode	321.1	351.1	372.4	400.9	459.4	467.6	453.6	516.9	525.0	481.1
Rail Mode	52.4	58.0	66.0	74.6	77.5	84.2	112.0	85.2	90.5	86.0
Road Mode	12,358.4	13,629.9	12,037.7	11,939.9	11,857.2	11,974.8	14,284.0	14,005.2	14,578.7	14,279.1
Transit	3,098.0	1,946.5	1,936.5	2,045.9	2,205.3	5,633.3	6,492.5	6,730.7	8,022.5	8,972.8
Other Modes	345.0	363.3	340.1	331.9	347.6	418.3	349.9	349.2	230.0	220.2
Subtotal	16,277.5	16,467.8	14,916.7	15,005.2	15,132.4	18,743.0	21,931.3	21,948.7	23,743.9	24,320.6
Total Expenses: (Gross) Federal plus (Net) Provincial/Territorial Government Levels										
Air Mode	845.0	852.6	1,146.4	1,146.3	1,033.0	976.0	1,124.4	1,246.3	1,300.1	1,326.9
Marine Mode	1,421.0	1,591.7	1,712.3	1,895.7	1,695.1	1,747.1	1,783.1	1,784.1	2,570.6	2,452.3
Rail Mode	310.4	372.5	511.7	655.6	621.5	554.3	560.8	536.7	590.3	482.0
Road Mode	13,287.8	14,513.6	13,515.9	14,360.1	13,194.1	13,141.2	15,036.5	15,011.6	15,936.4	15,851.6
Transit	4,221.5	3,312.6	2,996.2	3,195.3	3,253.8	6,409.0	7,341.2	7,478.3	8,848.1	9,771.7
Other Modes	1,056.4	1,214.8	1,170.0	1,243.7	1,269.9	1,435.7	1,421.6	1,657.9	1,447.4	1,151.0
Subtotal	21,142.0	21,857.8	21,052.3	22,496.7	21,067.5	24,263.4	27,267.5	27,714.9	30,693.0	31,035.5
Federal Revenues										
Air Mode	933.1	884.7	856.8	1,128.7	1,193.9	1,215.2	1,316.0	1,396.6	1,426.4	1,527.4
Marine Mode	80.8	82.1	82.0	81.1	84.1	142.0	158.4	163.1	239.8	276.6
Rail Mode	33.4	26.2	13.1	13.8	15.5	16.8	19.6	17.6	18.0	17.6
Road Mode	9,750.6	9,328.3	9,323.3	9,723.6	9,903.4	10,135.9	10,482.2	10,673.4	10,692.4	10,959.0
Other Modes	1,272.8	1,161.6	1,596.7	1,173.4	1,179.4	1,176.1	1,227.2	1,232.9	1,254.1	1,195.6
Subtotal	12,070.8	11,482.9	11,871.9	12,120.5	12,376.2	12,686.0	13,203.4	13,483.6	13,630.6	13,976.2
Provincial/Territorial Revenues										
Air Mode	37.8	38.5	45.2	86.1	111.0	115.7	119.9	123.0	131.5	134.8
Marine Mode	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.8	22.3	25.2
Rail Mode	0.0	0.0	0.0	0.0	0.0	0.0	11.4	11.5	11.2	10.6
Road Mode ⁴	16,917.0	16,918.1	17,651.7	18,549.0	19,921.5	20,684.8	22,089.3	22,811.3	24,014.3	25,096.5
Transit	0.0	0.0	0.0	0.0	888.0	921.3	1,094.7	1,117.2	1,129.5	971.6
Other Modes	51.0	34.8	45.3	87.4	122.9	125.3	121.1	121.2	130.7	131.9
Subtotal	17,005.8	16,991.4	17,742.1	18,722.4	21,043.4	21,847.0	23,436.5	24,205.0	25,439.5	26,370.7
Total Revenues: Federal plus Provincial/Territorial Government Levels										
Air Mode	970.9	923.2	902.0	1,214.8	1,304.9	1,330.9	1,435.9	1,519.6	1,557.9	1,662.2
Marine Mode	80.8	82.1	82.0	81.1	84.1	142.0	158.4	183.9	262.1	301.8
Rail Mode	33.4	26.2	13.1	13.8	15.5	16.8	31.0	29.1	29.2	28.2
Road Mode	26,667.6	26,246.4	26,974.9	28,272.5	29,824.9	30,820.6	32,571.4	33,484.7	34,706.7	36,055.6
Transit	0.0	0.0	0.0	0.0	888.0	921.3	1,094.7	1,117.2	1,129.5	971.6
Other Modes	1,323.8	1,196.4	1,642.0	1,260.8	1,302.3	1,301.4	1,348.3	1,354.1	1,384.8	1,327.5
Subtotal	29,076.5	28,474.3	29,614.0	30,842.9	33,419.6	34,533.0	36,639.8	37,688.6	39,070.2	40,346.9

Notes:

- 1 Tax expenditures are also included.
- 2 FedNor has adjusted their data from 2011/12 to 2015/16 to reflect a change from budgeted to actually reported amounts.
- 3 Excludes estimated transportation-related transfer payments received (as reported by provincial/territorial respondents).
- 4 Some provinces/territories were unable to split out road versus non-road fuel tax revenues. In these cases, all fuel tax revenues were allocated to the road mode.

Sources: Survey responses from provincial/territorial governments and selected federal government departments and agencies; Public Accounts; Departmental Performance Reports (including supplementary tables); Department of Finance tax expenditure reports; Statistics Canada data. Some amounts have been imputed for non-response/missing data. For detailed results, see tables G3, G4 and G6.

Table G3: Detailed Federal Transport Expenditures, by Mode and by Department/Agency¹, 2007/08–2016/17

	(Millions of dollars)									
	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
AIR MODE										
Transport Canada										
Operating	269.9	275.2	290.6	283.2	272.6	238.7	238.0	256.4	242.1	219.1
Capital	0.0	0.0	5.8	7.9	5.0	3.8	4.4	7.8	11.2	5.0
Transfer payments	0.0	0.0	53.4	10.9	31.8	31.3	13.0	0.2	0.2	0.2
Gross expenditures	269.9	275.2	349.8	302.1	309.4	273.8	255.5	264.4	253.4	224.2
Transportation Safety Board										
Operating	15.2	17.7	13.6	14.3	14.4	13.7	14.7	15.0	13.1	12.9
Gross expenditures	15.2	17.7	13.6	14.3	14.4	13.7	14.7	15.0	13.1	12.9
Canadian Air Transport Security Authority										
Operating	440.7	427.8	603.9	573.1	515.0	513.4	559.1	623.9	656.7	725.3
Gross expenditures	440.7	427.8	603.9	573.1	515.0	513.4	559.1	623.9	656.7	725.3
Infrastructure Canada										
Transfer payments	0.0	0.0	7.4	39.4	6.9	0.3	0.0	0.9	1.3	6.9
Gross expenditures	0.0	0.0	7.4	39.4	6.9	0.3	0.0	0.9	1.3	6.9
Environment and Climate Change Canada										
Capital	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	4.7	3.1
Gross expenditures	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	4.7	3.1
Public Services and Procurement Canada										
Operating	0.0	0.0	0.0	0.0	0.0	9.2	1.0	16.9	11.6	12.8
Gross expenditures	0.0	0.0	0.0	0.0	0.0	9.2	1.0	16.9	11.6	12.8
Atlantic Canada Opportunities Agency										
Transfer payments	0.6	0.6	1.2	1.2	0.3	0.2	0.1	1.0	2.2	1.0
Gross expenditures	0.6	0.6	1.2	1.2	0.3	0.2	0.1	1.0	2.2	1.0
Economic Development Agency of Canada for the Regions of Quebec										
Transfer payments	11.6	3.4	4.8	1.8	1.0	0.0	2.6	0.0	1.6	1.8
Gross expenditures	11.6	3.4	4.8	1.8	1.0	0.0	2.6	0.0	1.6	1.8
FedDev Ontario (federal economic development agency for Southern Ontario)										
Transfer payments	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.9	3.2
Gross expenditures	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.9	3.2
FedNor (federal economic development agency for Northern Ontario)										
Transfer payments	1.1	0.5	0.6	0.8	0.5	0.6	1.2	1.3	1.0	0.4
Gross expenditures	1.1	0.5	0.6	0.8	0.5	0.6	1.2	1.3	1.0	0.4
Western Economic Diversification										
Transfer payments	3.2	8.4	1.2	0.3	0.2	0.0	0.4	0.1	0.0	0.9
Gross expenditures	3.2	8.4	1.2	0.3	0.2	0.0	0.4	0.1	0.0	0.9
Canadian Northern Economic Development Agency										
Transfer payments	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0
Gross expenditures	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0
Statistics Canada										
Operating	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.8	1.9	1.8
Gross expenditures	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.8	1.9	1.8
National Research Council Canada										
Operating	0.0	0.0	0.0	0.0	0.0	0.0	19.4	24.9	22.5	16.8
Capital	0.0	0.0	0.0	0.0	0.0	0.0	8.0	8.3	7.4	10.7
Transfer payments	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.8	0.3
Gross expenditures	0.0	0.0	0.0	0.0	0.0	0.0	27.5	33.7	30.7	27.8
Natural Sciences and Engineering Research Council										
Transfer payments	0.0	0.0	0.0	0.0	0.0	0.0	20.8	24.4	22.8	23.2
Gross expenditures	0.0	0.0	0.0	0.0	0.0	0.0	20.8	24.4	22.8	23.2
Total (federal government departments and agencies)										
Operating	725.8	720.7	908.1	870.7	802.1	775.0	833.6	938.9	948.0	988.7
Capital	0.0	0.0	5.8	7.9	5.0	3.8	12.5	16.7	23.3	18.8
Transfer payments	16.5	12.9	68.6	55.8	40.6	32.4	39.1	29.1	31.8	37.9
Gross expenditures	742.3	733.7	982.5	934.4	847.7	811.2	885.1	984.8	1,003.1	1,045.4

Table G3 continues on the next page

	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
MARINE MODE										
Transport Canada										
Operating	147.5	177.3	115.0	111.3	104.3	97.3	96.3	112.4	102.2	89.5
Capital	0.0	0.0	4.4	2.6	2.1	1.2	2.7	3.7	5.9	6.0
Transfer payments	0.0	0.0	12.3	3.9	1.8	0.7	0.5	5.1	9.4	12.6
Gross expenditures	147.5	177.3	131.7	117.8	108.2	99.2	99.5	121.2	117.6	108.1
Transportation Safety Board										
Operating	6.1	7.0	5.5	4.5	4.6	5.8	5.5	4.9	5.2	5.0
Gross expenditures	6.1	7.0	5.5	4.5	4.6	5.8	5.5	4.9	5.2	5.0
Department of Finance Canada										
Transfer payments	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Gross expenditures	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Marine Atlantic										
Operating	74.4	117.5	123.5	210.9	183.3	184.9	154.4	127.5	350.9	99.0
Gross expenditures	74.4	117.5	123.5	210.9	183.3	184.9	154.4	127.5	350.9	99.0
Infrastructure Canada										
Transfer payments	0.2	0.0	24.4	114.7	20.8	4.5	1.0	1.7	4.1	15.1
Gross expenditures	0.2	0.0	24.4	114.7	20.8	4.5	1.0	1.7	4.1	15.1
Canadian Coast Guard										
Operating	585.2	622.1	572.1	567.1	539.4	562.4	620.0	529.9	652.3	700.5
Capital	143.7	176.1	240.5	248.2	187.8	219.2	200.6	241.9	450.3	423.3
Transfer payments	5.2	5.5	5.3	5.2	11.5	10.5	5.1	5.1	5.6	5.6
Gross expenditures	734.0	803.7	817.9	820.5	738.7	792.1	825.7	776.9	1,108.2	1,129.5
Department of Fisheries and Oceans - Small Craft Harbours										
Operating	75.3	83.7	118.8	112.4	102.5	67.4	61.7	63.7	50.2	56.8
Capital	36.4	32.1	98.8	86.8	51.9	40.8	32.0	37.5	165.4	234.9
Transfer payments	1.0	3.9	3.5	7.2	9.2	7.1	5.0	3.2	2.3	4.5
Gross expenditures	112.7	119.8	221.0	206.4	163.6	115.3	98.7	104.5	217.9	296.2
Parks Canada Agency										
Operating	4.3	3.6	2.8	5.5	6.4	8.2	13.3	32.2	32.8	30.5
Capital	3.3	2.3	5.1	8.3	6.1	1.2	10.2	20.9	54.1	92.0
Gross expenditures	7.7	5.9	8.0	13.8	12.5	9.3	23.5	53.1	86.9	122.5
Public Services and Procurement Canada										
Operating	0.0	0.0	0.0	0.0	0.0	60.1	99.6	59.8	135.2	177.2
Capital	0.0	0.0	0.0	0.0	0.0	1.3	0.3	0.5	0.3	0.6
Gross expenditures	0.0	0.0	0.0	0.0	0.0	61.4	99.9	60.3	135.5	177.8
Atlantic Canada Opportunities Agency										
Transfer payments	0.6	1.4	0.3	0.3	1.2	1.0	2.5	4.8	6.5	7.5
Gross expenditures	0.6	1.4	0.3	0.3	1.2	1.0	2.5	4.8	6.5	7.5
Economic Development Agency of Canada for the Regions of Quebec										
Transfer payments	14.2	6.7	5.9	3.2	2.2	3.9	4.6	0.1	0.1	1.2
Gross expenditures	14.2	6.7	5.9	3.2	2.2	3.9	4.6	0.1	0.1	1.2
FedDev Ontario (federal economic development agency for Southern Ontario)										
Transfer payments	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.1	0.0	0.1
Gross expenditures	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.1	0.0	0.1
FedNor (federal economic development agency for Northern Ontario)										
Transfer payments	0.5	1.0	0.3	2.5	0.0	0.6	0.6	0.5	2.4	0.6
Gross expenditures	0.5	1.0	0.3	2.5	0.0	0.6	0.6	0.5	2.4	0.6
Western Economic Diversification										
Transfer payments	2.0	0.5	1.2	0.0	0.6	1.3	5.5	5.3	3.9	1.6
Gross expenditures	2.0	0.5	1.2	0.0	0.6	1.3	5.5	5.3	3.9	1.6
Canadian Northern Economic Development Agency										
Transfer payments	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Gross expenditures	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Statistics Canada										
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
Gross expenditures	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4

Table G3 continues on the next page

Table G3: Detailed Federal Transport Expenditures, by Mode and by Department/Agency¹, 2007/08–2016/17 (cont)

	(Millions of dollars)									
	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
National Research Council Canada										
Operating	0.0	0.0	0.0	0.0	0.0	0.0	5.3	5.8	5.7	6.1
Capital	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.3
Transfer payments	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.0
Gross expenditures	0.0	0.0	0.0	0.0	0.0	0.0	5.6	6.2	6.3	6.4
Natural Sciences and Engineering Research Council										
Transfer payments	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2
Gross expenditures	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2
Total (federal government departments and agencies)										
Operating	892.9	1,011.2	937.8	1,011.7	940.4	986.1	1,056.0	936.3	1,334.4	1,164.9
Capital	183.4	210.5	348.8	346.0	248.0	263.8	246.0	304.7	676.3	757.1
Transfer payments	23.7	19.0	53.2	137.1	47.3	29.6	27.5	26.3	34.8	49.2
Gross expenditures	1,099.9	1,240.6	1,339.8	1,494.8	1,235.7	1,279.5	1,329.5	1,267.2	2,045.6	1,971.2
RAIL MODE										
Transport Canada										
Operating	19.2	29.9	20.1	20.7	21.2	20.7	21.7	25.4	100.3	22.3
Capital	0.0	0.0	3.0	2.5	2.6	1.3	0.4	1.3	1.1	1.1
Transfer payments	0.0	0.0	14.1	8.0	9.0	12.4	7.4	8.8	9.3	9.7
Gross expenditures	19.2	29.9	37.3	31.1	32.8	34.4	29.5	35.5	110.8	33.1
Transportation Safety Board										
Operating	6.1	6.4	5.1	4.6	5.1	4.7	6.9	6.1	5.7	5.8
Gross expenditures	6.1	6.4	5.1	4.6	5.1	4.7	6.9	6.1	5.7	5.8
VIA Rail Canada										
Operating	230.5	269.1	387.3	527.2	493.8	420.0	405.7	406.2	365.5	348.4
Gross expenditures	230.5	269.1	387.3	527.2	493.8	420.0	405.7	406.2	365.5	348.4
Infrastructure Canada										
Transfer payments	0.1	6.6	8.7	13.5	9.2	10.1	3.6	0.0	11.6	0.1
Gross expenditures	0.1	6.6	8.7	13.5	9.2	10.1	3.6	0.0	11.6	0.1
Economic Development Agency of Canada for the Regions of Quebec										
Transfer payments	2.0	2.4	4.8	4.7	2.5	0.9	0.1	0.0	0.1	0.1
Gross expenditures	2.0	2.4	4.8	4.7	2.5	0.9	0.1	0.0	0.1	0.1
FedDev Ontario (federal economic development agency for Southern Ontario)										
Transfer payments	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	1.8	2.1
Gross expenditures	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	1.8	2.1
FedNor (federal economic development agency for Northern Ontario)										
Transfer payments	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gross expenditures	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Western Economic Diversification										
Transfer payments	0.0	0.0	1.0	0.0	0.5	0.1	0.2	0.0	0.0	0.8
Gross expenditures	0.0	0.0	1.0	0.0	0.5	0.1	0.2	0.0	0.0	0.8
Statistics Canada										
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.4
Gross expenditures	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.4
National Research Council Canada										
Operating	0.0	0.0	0.0	0.0	0.0	0.0	1.8	2.6	3.2	4.3
Gross expenditures	0.0	0.0	0.0	0.0	0.0	0.0	1.8	2.6	3.2	4.3
Natural Sciences and Engineering Research Council										
Transfer payments	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.8	0.6	0.9
Gross expenditures	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.8	0.6	0.9
Total (federal government departments and agencies)										
Operating	255.8	305.5	412.5	552.5	520.1	445.4	436.2	440.6	475.2	381.2
Capital	0.0	0.0	3.0	2.5	2.6	1.3	0.4	1.3	1.1	1.1
Transfer payments	2.1	9.0	30.1	26.1	21.3	23.4	12.3	9.6	23.4	13.7
Gross expenditures	258.0	314.4	445.6	581.0	544.0	470.1	448.8	451.5	499.7	396.0

Table G3 continues on the next page

	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
ROAD MODE										
Transport Canada										
Operating	40.7	42.4	28.0	25.5	22.5	19.6	21.4	21.2	19.6	20.1
Capital	0.0	0.0	7.2	12.7	1.9	2.8	4.6	3.7	2.5	2.4
Transfer payments	0.0	0.0	0.2	9.1	4.7	4.4	4.4	4.4	3.0	3.5
Gross expenditures	40.7	42.4	35.5	47.3	29.0	26.9	30.5	29.4	25.2	26.0
Department of Finance Canada										
Transfer payments	20.0	15.2	15.1	15.1	10.1	10.1	10.1	10.1	10.1	10.1
Gross expenditures	20.0	15.2	15.1	15.1	10.1	10.1	10.1	10.1	10.1	10.1
Infrastructure Canada										
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.8	19.4	8.5
Capital	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.9	46.9	19.7
Transfer payments	651.4	533.0	1,021.9	1,935.5	915.8	749.0	247.0	298.9	295.6	245.8
Gross expenditures	651.4	533.0	1,021.9	1,935.5	915.8	749.0	247.0	339.6	361.9	274.0
Federal Bridge Corporation										
Operating	0.1	1.3	2.1	0.4	14.0	18.2	13.2	8.1	20.1	41.8
Gross expenditures	0.1	1.3	2.1	0.4	14.0	18.2	13.2	8.1	20.1	41.8
The Jacques Cartier and Champlain Bridges										
Operating	30.2	49.1	78.2	90.0	97.3	109.1	151.6	245.0	247.3	284.3
Gross expenditures	30.2	49.1	78.2	90.0	97.3	109.1	151.6	245.0	247.3	284.3
Windsor-Detroit Bridge Authority										
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	138.5	334.5
Gross expenditures	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	138.5	334.5
Natural Resources Canada										
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	9.8	10.2
Capital	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	3.9
Transfer payments	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	4.4	1.0
Gross expenditures	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	16.6	15.1
Department of Indigenous Services										
Operating	0.0	0.3	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.0
Transfer payments	71.0	105.3	106.6	100.1	107.2	96.9	81.2	112.9	119.5	154.5
Gross expenditures	71.0	105.6	106.9	100.4	107.5	97.0	81.2	113.0	119.6	154.5
National Capital Commission										
Operating	1.4	3.9	3.1	1.4	1.4	2.0	5.0	3.9	4.7	3.8
Capital	0.7	0.7	0.8	0.8	0.8	1.0	0.0	0.0	0.0	0.0
Gross expenditures	2.1	4.6	3.9	2.2	2.2	3.0	5.0	3.9	4.7	3.8
Parks Canada Agency										
Operating	35.7	36.0	31.3	35.4	29.1	33.0	51.2	28.0	26.1	32.3
Capital	33.2	50.9	93.6	101.3	53.5	41.9	34.7	69.0	188.8	201.0
Gross expenditures	68.9	86.9	124.9	136.7	82.7	74.9	85.9	97.0	214.9	233.3
Public Services and Procurement Canada										
Operating	23.2	23.9	27.6	35.4	30.3	48.5	51.0	56.4	102.8	98.1
Capital	21.5	21.7	55.3	53.4	25.4	27.0	14.7	16.4	35.2	36.0
Gross expenditures	44.7	45.6	82.9	88.8	55.6	75.5	65.7	72.8	138.0	134.1
PPP Canada										
Capital	0.0	0.0	0.0	0.0	22.2	1.7	0.0	0.0	0.0	0.0
Gross expenditures	0.0	0.0	0.0	0.0	22.2	1.7	0.0	0.0	0.0	0.0
Atlantic Canada Opportunities Agency										
Transfer payments	0.0	0.0	0.0	0.0	0.1	0.1	1.6	2.4	4.2	2.8
Gross expenditures	0.0	0.0	0.0	0.0	0.1	0.1	1.6	2.4	4.2	2.8
Economic Development Agency of Canada for the Regions of Quebec										
Transfer payments	0.0	0.0	0.0	0.2	0.0	0.0	0.0	2.9	1.4	1.2
Gross expenditures	0.0	0.0	0.0	0.2	0.0	0.0	0.0	2.9	1.4	1.2
FedDev Ontario (federal economic development agency for Southern Ontario)										
Transfer payments	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	3.9	1.8
Gross expenditures	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	3.9	1.8

Table G3 continues on the next page

Table G3: Detailed Federal Transport Expenditures, by Mode and by Department/Agency¹, 2007/08–2016/17 (cont)

	(Millions of dollars)									
	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
FedNor (federal economic development agency for Northern Ontario)										
Transfer payments	0.1	0.0	3.0	0.0	0.2	0.3	0.1	0.3	0.2	0.8
Gross expenditures	0.1	0.0	3.0	0.0	0.2	0.3	0.1	0.3	0.2	0.8
Western Economic Diversification										
Transfer payments	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.3
Gross expenditures	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.3
Canadian Northern Economic Development Agency										
Transfer payments	0.0	0.0	3.8	3.6	0.3	0.6	0.6	1.0	0.3	1.7
Gross expenditures	0.0	0.0	3.8	3.6	0.3	0.6	0.6	1.0	0.3	1.7
Statistics Canada										
Operating	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.0	1.9	1.6
Gross expenditures	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.0	1.9	1.6
National Research Council Canada										
Operating	0.0	0.0	0.0	0.0	0.0	0.0	20.2	19.8	19.2	20.9
Capital	0.0	0.0	0.0	0.0	0.0	0.0	4.5	7.3	5.7	7.3
Transfer payments	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.0
Gross expenditures	0.0	0.0	0.0	0.0	0.0	0.0	24.9	27.3	25.1	28.3
Natural Sciences and Engineering Research Council										
Transfer payments	0.0	0.0	0.0	0.0	0.0	0.0	28.5	29.6	23.6	22.6
Gross expenditures	0.0	0.0	0.0	0.0	0.0	0.0	28.5	29.6	23.6	22.6
Total (federal government departments and agencies)										
Operating	131.3	156.9	170.6	188.4	194.9	230.5	315.3	426.0	609.5	856.1
Capital	55.3	73.3	156.9	168.2	103.7	74.4	58.6	111.3	281.5	270.4
Transfer payments	742.8	653.5	1,150.6	2,063.6	1,038.3	861.5	378.6	469.1	466.6	446.1
Gross expenditures	929.4	883.7	1,478.2	2,420.1	1,336.9	1,166.4	752.5	1,006.4	1,357.6	1,572.5
TRANSIT										
Transport Canada										
Operating	53.7	51.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gross expenditures	53.7	51.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Finance Canada										
Transfer payments	575.0	840.0	530.0	320.0	330.0	345.0	365.0	370.0	390.0	395.0
Gross expenditures	575.0	840.0	530.0	320.0	330.0	345.0	365.0	370.0	390.0	395.0
Infrastructure Canada										
Transfer payments	494.8	474.6	529.6	829.3	718.5	430.7	482.3	376.7	434.7	402.9
Gross expenditures	494.8	474.6	529.6	829.3	718.5	430.7	482.3	376.7	434.7	402.9
Statistics Canada										
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.6	0.5
Gross expenditures	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.6	0.5
Natural Sciences and Engineering Research Council										
Transfer payments	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.4	0.4	0.5
Gross expenditures	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.4	0.4	0.5
Total (federal government departments and agencies)										
Operating	53.7	51.5	0.0	0.0	0.0	0.0	0.5	0.5	0.6	0.5
Transfer payments	1,069.8	1,314.6	1,059.6	1,149.3	1,048.5	775.7	848.2	747.1	825.1	798.4
Gross expenditures	1,123.5	1,366.1	1,059.6	1,149.3	1,048.5	775.7	848.7	747.6	825.7	798.9

Table G3 continues on the next page

	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
OTHER MODES										
Transport Canada										
Operating	237.1	253.9	430.6	442.2	453.1	377.6	449.0	508.0	478.3	444.6
Capital	72.7	66.2	86.2	58.7	57.5	49.0	63.5	107.6	98.4	75.1
Transfer payments	373.7	502.1	282.7	379.0	379.4	559.2	501.0	628.3	569.0	353.2
Gross expenditures	683.5	822.2	799.5	880.0	890.0	985.8	1,013.6	1,243.9	1,145.8	872.9
Canadian Transportation Agency										
Operating	25.5	27.0	28.0	28.8	29.3	28.7	29.0	28.8	28.3	26.9
Gross expenditures	25.5	27.0	28.0	28.8	29.3	28.7	29.0	28.8	28.3	26.9
Transportation Appeal Tribunal of Canada										
Operating	1.5	1.7	1.4	1.7	1.9	1.6	1.2	0.4	0.2	0.3
Gross expenditures	1.5	1.7	1.4	1.7	1.9	1.6	1.2	0.4	0.2	0.3
Transportation Safety Board										
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	6.0
Gross expenditures	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	6.0
Infrastructure Canada										
Transfer payments	0.6	0.4	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Gross expenditures	0.6	0.4	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Environment and Climate Change Canada										
Operating	0.0	0.0	0.0	0.0	0.0	0.0	19.2	23.2	23.0	19.4
Capital	0.0	0.0	0.0	0.0	0.0	0.0	2.9	1.3	0.6	1.3
Transfer payments	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.0
Gross expenditures	0.0	0.0	0.0	0.0	0.0	0.0	22.7	25.0	24.1	20.7
Public Services and Procurement Canada										
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Gross expenditures	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Atlantic Canada Opportunities Agency										
Transfer payments	0.2	0.1	0.4	0.4	0.6	0.5	0.1	0.1	0.0	0.0
Gross expenditures	0.2	0.1	0.4	0.4	0.6	0.5	0.1	0.1	0.0	0.0
Economic Development Agency of Canada for the Regions of Quebec										
Transfer payments	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Gross expenditures	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
FedDev Ontario (federal economic development agency for Southern Ontario)										
Transfer payments	0.0	0.0	0.0	0.0	0.0	0.0	1.9	6.3	10.8	0.0
Gross expenditures	0.0	0.0	0.0	0.0	0.0	0.0	1.9	6.3	10.8	0.0
Western Economic Diversification										
Transfer payments	0.0	0.1	0.5	0.9	0.5	0.8	0.3	0.9	0.1	1.4
Gross expenditures	0.0	0.1	0.5	0.9	0.5	0.8	0.3	0.9	0.1	1.4
Statistics Canada										
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.6	0.3	0.1
Gross expenditures	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.6	0.3	0.1
National Research Council Canada										
Transfer payments	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0
Gross expenditures	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0
Natural Sciences and Engineering Research Council										
Operating	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.5	2.1	2.0
Gross expenditures	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.5	2.1	2.0
Total (federal government departments and agencies)										
Operating	264.1	282.6	460.1	472.8	484.2	407.9	501.2	563.5	537.8	499.7
Capital	72.7	66.2	86.2	58.7	57.5	49.0	66.4	108.9	99.0	76.4
Transfer payments	374.5	502.6	283.6	380.3	380.5	560.5	504.0	636.2	580.5	354.7
Gross expenditures	711.4	851.5	829.9	911.8	922.3	1,017.4	1,071.7	1,308.7	1,217.3	930.8

Table G3 continues on the next page

Table G3: Detailed Federal Transport Expenditures, by Mode and by Department/Agency¹, 2007/08–2016/17 (cont)

	(Millions of dollars)									
	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
TOTAL (ALL MODES)										
Transport Canada										
Operating	768.2	830.1	884.3	882.9	873.6	753.9	826.5	923.4	942.5	795.6
Capital	72.7	66.2	106.6	84.4	69.2	58.2	75.6	124.1	119.2	89.6
Transfer payments	373.7	502.1	362.7	411.0	426.7	608.0	526.4	646.9	591.0	379.2
Gross expenditures	1,214.6	1,398.4	1,353.7	1,378.3	1,369.4	1,420.1	1,428.5	1,694.3	1,652.7	1,264.4
Canadian Transportation Agency										
Operating	25.5	27.0	28.0	28.8	29.3	28.7	29.0	28.8	28.3	26.9
Gross expenditures	25.5	27.0	28.0	28.8	29.3	28.7	29.0	28.8	28.3	26.9
Transportation Appeal Tribunal of Canada²										
Operating	1.5	1.7	1.4	1.7	1.9	1.6	1.2	0.4	0.2	0.3
Gross expenditures	1.5	1.7	1.4	1.7	1.9	1.6	1.2	0.4	0.2	0.3
Transportation Safety Board										
Operating	27.4	31.0	24.2	23.4	24.2	24.2	27.0	26.1	29.7	29.7
Gross expenditures	27.4	31.0	24.2	23.4	24.2	24.2	27.0	26.1	29.7	29.7
Department of Finance Canada³										
Transfer payments	595.0	855.2	545.2	335.2	340.1	355.1	375.1	380.1	400.1	405.1
Gross expenditures	595.0	855.2	545.2	335.2	340.1	355.1	375.1	380.1	400.1	405.1
Canadian Air Transport Security Authority										
Operating	440.7	427.8	603.9	573.1	515.0	513.4	559.1	623.9	656.7	725.3
Gross expenditures	440.7	427.8	603.9	573.1	515.0	513.4	559.1	623.9	656.7	725.3
Marine Atlantic										
Operating	74.4	117.5	123.5	210.9	183.3	184.9	154.4	127.5	350.9	99.0
Gross expenditures	74.4	117.5	123.5	210.9	183.3	184.9	154.4	127.5	350.9	99.0
VIA Rail Canada										
Operating	230.5	269.1	387.3	527.2	493.8	420.0	405.7	406.2	365.5	348.4
Gross expenditures	230.5	269.1	387.3	527.2	493.8	420.0	405.7	406.2	365.5	348.4
Infrastructure Canada										
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.8	19.4	8.5
Capital	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.9	46.9	19.7
Transfer payments	1,147.0	1,014.6	1,592.1	2,932.4	1,671.1	1,194.7	733.9	678.2	747.4	670.8
Gross expenditures	1,147.0	1,014.6	1,592.1	2,932.4	1,671.1	1,194.7	733.9	718.9	813.7	699.0
Federal Bridge Corporation										
Operating	0.1	1.3	2.1	0.4	14.0	18.2	13.2	8.1	20.1	41.8
Gross expenditures	0.1	1.3	2.1	0.4	14.0	18.2	13.2	8.1	20.1	41.8
The Jacques Cartier and Champlain Bridges										
Operating	30.2	49.1	78.2	90.0	97.3	109.1	151.6	245.0	247.3	284.3
Gross expenditures	30.2	49.1	78.2	90.0	97.3	109.1	151.6	245.0	247.3	284.3
Windsor-Detroit Bridge Authority⁴										
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	138.5	334.5
Gross expenditures	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	138.5	334.5
Canadian Coast Guard⁵										
Operating	585.2	622.1	572.1	567.1	539.4	562.4	620.0	529.9	652.3	700.5
Capital	143.7	176.1	240.5	248.2	187.8	219.2	200.6	241.9	450.3	423.3
Transfer payments	5.2	5.5	5.3	5.2	11.5	10.5	5.1	5.1	5.6	5.6
Gross expenditures	734.0	803.7	817.9	820.5	738.7	792.1	825.7	776.9	1,108.2	1,129.5
Department of Fisheries and Oceans - Small Craft Harbours										
Operating	75.3	83.7	118.8	112.4	102.5	67.4	61.7	63.7	50.2	56.8
Capital	36.4	32.1	98.8	86.8	51.9	40.8	32.0	37.5	165.4	234.9
Transfer payments	1.0	3.9	3.5	7.2	9.2	7.1	5.0	3.2	2.3	4.5
Gross expenditures	112.7	119.8	221.0	206.4	163.6	115.3	98.7	104.5	217.9	296.2

Table G3 continues on the next page

	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
Natural Resources Canada⁶										
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	9.8	10.2
Capital	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	3.9
Transfer payments	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	4.4	1.0
Gross expenditures	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	16.6	15.1
Environment and Climate Change Canada										
Operating	0.0	0.0	0.0	0.0	0.0	0.0	19.2	23.2	23.0	19.4
Capital	0.0	0.0	0.0	0.0	0.0	0.0	2.9	1.9	5.3	4.4
Transfer payments	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.0
Gross expenditures	0.0	0.0	0.0	0.0	0.0	0.0	22.7	25.6	28.8	23.8
Department of Indigenous Services⁷										
Operating	0.0	0.3	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.0
Transfer payments	71.0	105.3	106.6	100.1	107.2	96.9	81.2	112.9	119.5	154.5
Gross expenditures	71.0	105.6	106.9	100.4	107.5	97.0	81.2	113.0	119.6	154.5
National Capital Commission⁸										
Operating	1.4	3.9	3.1	1.4	1.4	2.0	5.0	3.9	4.7	3.8
Capital	0.7	0.7	0.8	0.8	0.8	1.0	0.0	0.0	0.0	0.0
Gross expenditures	2.1	4.6	3.9	2.2	2.2	3.0	5.0	3.9	4.7	3.8
Parks Canada Agency										
Operating	40.1	39.6	34.1	40.9	35.5	41.2	64.5	60.2	58.9	62.8
Capital	36.5	53.2	98.8	109.6	59.6	43.1	44.9	89.9	242.9	293.0
Gross expenditures	76.6	92.8	132.9	150.5	95.2	84.3	109.4	150.1	301.8	355.8
Public Services and Procurement Canada⁹										
Operating	23.2	23.9	27.6	35.4	30.3	117.8	151.6	133.1	249.6	288.4
Capital	21.5	21.7	55.3	53.4	25.4	28.4	15.1	16.8	35.5	36.6
Gross expenditures	44.7	45.6	82.9	88.8	55.6	146.2	166.7	149.9	285.1	325.0
PPP Canada¹⁰										
Capital	0.0	0.0	0.0	0.0	22.2	1.7	0.0	0.0	0.0	0.0
Gross expenditures	0.0	0.0	0.0	0.0	22.2	1.7	0.0	0.0	0.0	0.0
Atlantic Canada Opportunities Agency										
Transfer payments	1.4	2.1	1.9	1.9	2.2	1.9	4.3	8.3	12.9	11.3
Gross expenditures	1.4	2.1	1.9	1.9	2.2	1.9	4.3	8.3	12.9	11.3
Economic Development Agency of Canada for the Regions of Quebec										
Transfer payments	27.9	12.5	15.5	9.8	5.7	4.8	7.4	3.1	3.2	4.4
Gross expenditures	27.9	12.5	15.5	9.8	5.7	4.8	7.4	3.1	3.2	4.4
FedDev Ontario (federal economic development agency for Southern Ontario)¹¹										
Transfer payments	0.0	0.0	0.0	0.0	0.0	0.0	10.6	7.2	18.4	7.2
Gross expenditures	0.0	0.0	0.0	0.0	0.0	0.0	10.6	7.2	18.4	7.2
FedNor (federal economic development agency for Northern Ontario)¹²										
Transfer payments	1.7	1.5	5.4	3.2	0.7	1.6	2.0	2.1	3.6	1.9
Gross expenditures	1.7	1.5	5.4	3.2	0.7	1.6	2.0	2.1	3.6	1.9
Western Economic Diversification										
Transfer payments	5.5	9.0	3.9	1.2	1.8	2.1	6.5	6.5	4.1	5.0
Gross expenditures	5.5	9.0	3.9	1.2	1.8	2.1	6.5	6.5	4.1	5.0
Canadian Northern Economic Development Agency										
Transfer payments	0.0	0.0	3.8	5.1	0.3	0.6	0.6	1.0	0.3	1.7
Gross expenditures	0.0	0.0	3.8	5.1	0.3	0.6	0.6	1.0	0.3	1.7
Statistics Canada¹³										
Operating	0.0	0.0	0.0	0.0	0.0	0.0	4.1	5.2	5.1	4.9
Gross expenditures	0.0	0.0	0.0	0.0	0.0	0.0	4.1	5.2	5.1	4.9

Table G3 continues on the next page

Table G3: Detailed Federal Transport Expenditures, by Mode and by Department/Agency¹, 2007/08–2016/17 (cont)

(Millions of dollars)

	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
National Research Council Canada¹¹										
Operating	0.0	0.0	0.0	0.0	0.0	0.0	46.6	53.1	50.7	48.1
Capital	0.0	0.0	0.0	0.0	0.0	0.0	12.8	15.8	13.4	18.3
Transfer payments	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.3	0.4
Gross expenditures	0.0	0.0	0.0	0.0	0.0	0.0	59.9	69.8	65.3	66.8
Natural Sciences and Engineering Research Council¹¹										
Operating	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.5	2.1	2.0
Transfer payments	0.0	0.0	0.0	0.0	0.0	0.0	50.7	55.3	47.5	47.4
Gross expenditures	0.0	0.0	0.0	0.0	0.0	0.0	53.1	57.8	49.6	49.4
Total (federal government departments and agencies)										
Operating	2,323.6	2,528.3	2,889.1	3,096.0	2,941.7	2,844.8	3,142.7	3,305.9	3,905.6	3,891.1
Capital	311.4	350.0	600.7	583.2	416.9	392.4	383.8	542.9	1,081.3	1,123.7
Transfer payments	2,229.4	2,511.7	2,645.8	3,812.3	2,576.5	2,283.2	1,809.7	1,917.4	1,962.2	1,700.0
Gross expenditures	4,864.5	5,390.0	6,135.7	7,491.5	5,935.1	5,520.3	5,336.2	5,766.2	6,949.1	6,714.8

Notes:

- 1 Data are reported on a public accounts (modified cash) basis, and are allocated to the department or agency making the final expenditure. Inter-departmental transfers are netted out to eliminate double-counting. See notes for specific departments/agencies in the Totals (All Modes) section at the end of this table.
- 2 Effective November 1, 2014, reported under the Administrative Tribunals Support Service of Canada.
- 3 Includes tax expenditures and trust fund alloyments.
- 4 Transferred from Transport Canada portfolio to Infrastructure Canada, effective November 4, 2015.
- 5 Marine transportation activities only.
- 6 New Respondent. Data for past three years only.
- 7 Formerly Indigenous and Northern Affairs.
- 8 Allocated total to operating expenses for last three periods: no breakdown by type of spending provided.
- 9 Formerly Public Works and Government Services Canada.
- 10 PPP Canada has ceased operation at the end of 2017. There is no new information for 2016/17.
- 11 Data for past four years only.
- 12 FedNor has revised their numbers from 2011/12 to 2015/16 to reflect a change from budgeted to actual amounts reported.
- 13 Major revision from respondent. Data for past four years only. .

Sources: Survey responses from selected federal government departments and agencies; Public Accounts; Departmental Performance Reports (including supplementary tables); Department of Finance tax expenditure reports; Statistics Canada data. Some amounts have been imputed for non-response/missing data.

Table G4: Government Revenues from Transport Users, 2007/08–2016/17

	(Millions of dollars)									
	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
Federal fuel taxes										
Air Mode	38.8	39.9	46.7	88.6	83.9	97.2	82.3	86.5	78.4	66.8
Road Mode	4,015.3	4,095.6	4,142.3	4,228.8	4,202.9	4,227.5	4,290.4	4,317.6	4,349.9	4,496.3
Other Modes ¹	1,085.6	1,025.1	989.2	1,024.6	1,041.5	1,055.8	1,113.7	1,123.9	1,136.5	1,071.0
Total	5,139.6	5,160.6	5,178.3	5,342.1	5,328.3	5,380.5	5,486.4	5,527.9	5,564.8	5,634.1
Provincial/Territorial fuel taxes²										
Newfoundland and Labrador	151.0	148.5	154.5	168.9	168.6	170.7	170.7	185.7	193.2	309.1
Prince Edward Island	43.0	38.8	40.0	41.9	41.8	41.2	35.1	35.4	36.0	37.4
Nova Scotia	249.0	243.2	248.4	255.4	250.2	243.4	246.8	248.3	247.6	271.7
New Brunswick	198.1	195.1	198.1	210.8	246.6	239.5	240.1	242.8	284.5	285.5
Quebec	1,681.0	1,650.5	1,662.9	1,832.8	2,064.0	2,030.6	2,293.0	2,200.4	2,276.1	2,336.0
Ontario	3,094.0	3,021.0	2,994.3	3,060.4	3,090.4	3,100.2	3,081.1	3,186.1	3,210.1	3,367.9
Manitoba	173.9	146.9	155.9	161.4	151.1	151.1	315.6	311.7	321.1	334.7
Saskatchewan	406.4	429.2	441.5	463.1	475.5	496.0	509.8	515.4	479.2	488.6
Alberta	751.0	716.3	701.0	661.8	849.3	898.2	925.0	944.0	1,370.0	1,343.0
British Columbia	1,185.0	1,120.0	1,488.0	1,260.4	1,240.8	1,236.9	1,350.2	1,256.2	1,346.0	1,354.0
Yukon	7.0	6.9	6.8	8.2	8.0	8.1	8.2	7.9	7.7	8.2
Northwest Territories	20.0	15.8	14.0	16.1	18.9	18.6	17.7	18.4	20.5	21.3
Nunavut	3.0	4.4	7.7	5.9	5.0	5.3	4.7	5.5	9.0	9.3
Total (all provinces/territories)	7,962.4	7,736.5	8,113.2	8,147.1	8,610.2	8,639.9	9,198.0	9,157.7	9,801.0	10,166.8
Federal transportation-related sales tax revenues³										
Air Mode	138.9	125.1	116.7	129.7	141.6	152.4	161.0	171.1	179.5	183.0
Road Mode	5,727.7	5,224.9	5,174.5	5,489.1	5,695.0	5,874.8	6,151.6	6,296.4	6,237.8	6,362.5
Other Modes ⁴	96.6	86.2	86.6	88.4	91.2	94.0	97.5	100.9	105.2	107.3
Total	5,963.2	5,436.1	5,377.7	5,707.1	5,927.8	6,121.1	6,410.1	6,568.4	6,522.4	6,652.8
Provincial/Territorial transportation-related sales tax revenues³										
Newfoundland and Labrador										
Air Mode	5.2	5.5	5.2	6.1	6.8	7.4	7.9	8.2	8.6	8.7
Road Mode	133.0	149.5	156.4	171.9	179.8	190.8	202.9	204.3	204.3	208.5
Other Modes ⁴	19.4	2.2	2.2	2.1	2.3	2.4	2.5	2.5	6.1	6.2
Total	157.6	157.1	163.8	180.1	188.8	200.5	213.3	215.0	218.9	223.4
Prince Edward Island										
Air Mode	0.0	0.0	0.0	0.0	0.0	0.2	1.0	1.8	1.9	1.9
Road Mode	22.7	23.8	26.6	29.1	29.4	35.5	49.3	54.3	55.5	56.9
Transit	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.0
Other Modes ⁴	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.6	0.6	0.6
Total	22.7	23.8	26.6	29.1	29.4	35.9	51.1	57.0	58.3	59.4
Nova Scotia										
Air Mode	8.1	8.4	8.4	9.3	8.3	9.0	9.4	10.2	10.6	10.8
Road Mode	230.6	246.3	260.1	305.6	339.3	355.3	378.8	381.2	375.2	382.7
Other Modes ⁴	3.6	3.7	3.7	4.2	4.6	4.7	4.7	4.8	5.0	5.1
Total	242.2	258.4	272.1	319.1	352.2	369.0	393.0	396.1	390.7	398.5
New Brunswick										
Air Mode	4.2	4.3	3.8	3.8	3.4	3.9	4.7	4.9	5.2	5.3
Road Mode	189.6	202.2	206.0	226.9	237.9	242.6	257.9	264.9	269.4	274.8
Other Modes ⁴	1.9	1.9	1.8	1.9	2.0	2.1	2.0	2.0	2.2	2.2
Total	195.7	208.4	211.6	232.6	243.3	248.5	264.6	271.8	276.8	282.3
Quebec										
Air Mode	20.3	20.3	17.4	18.8	23.4	25.9	26.2	27.8	29.6	30.1
Road Mode	1,833.3	1,952.0	1,973.8	2,195.8	2,535.6	2,788.8	2,873.6	2,892.6	2,881.2	2,938.8
Other Modes ⁴	26.2	27.0	27.6	29.5	34.6	38.4	39.4	40.6	42.4	43.2
Total	1,879.8	1,999.3	2,018.8	2,244.1	2,593.6	2,853.0	2,939.2	2,961.0	2,953.2	3,012.2
Ontario										
Air Mode	0.0	0.0	6.8	32.8	50.4	52.7	51.7	54.2	57.8	59.0
Road Mode	2,133.5	2,215.4	2,424.9	3,122.1	3,648.5	3,763.8	4,029.7	4,273.4	4,452.1	4,541.1
Other Modes ⁴	0.0	0.0	7.5	37.6	60.2	61.6	63.4	65.8	69.4	70.8
Total	2,133.5	2,215.4	2,439.3	3,192.4	3,759.0	3,878.0	4,144.8	4,393.4	4,579.3	4,670.9
Manitoba										
Road Mode	148.3	156.2	163.1	169.5	176.0	190.4	215.6	236.3	241.5	246.3
Total	148.3	156.2	163.1	169.5	176.0	190.4	215.6	236.3	241.5	246.3
Saskatchewan										
Road Mode	95.5	88.3	94.0	95.5	103.1	111.1	120.2	126.3	128.8	131.4
Total	95.5	88.3	94.0	95.5	103.1	111.1	120.2	126.3	128.8	131.4
British Columbia										
Air Mode	0.0	0.0	3.6	15.4	18.8	16.8	3.9	0.0	0.0	0.0
Road Mode	649.8	619.6	633.2	688.9	728.6	760.1	780.4	835.0	906.8	924.9
Other Modes ⁴	0.0	0.0	2.5	12.1	19.2	16.0	4.0	0.1	0.1	0.1

Table G4 continues on the next page

Table G4: Government Revenues from Transport Users, 2007/08–2016/17 (continued)

	(Millions of dollars)									
	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
Total	649.8	619.6	639.3	716.4	766.7	792.9	788.3	835.1	906.9	925.0
Total (all provinces/territories)⁵										
Air Mode	37.8	38.5	45.2	86.1	111.0	115.7	104.7	107.0	113.6	115.8
Road Mode	5,436.3	5,653.1	5,937.9	7,005.2	7,978.0	8,438.2	8,908.3	9,268.2	9,514.7	9,705.4
Transit	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.0
Other Modes ⁴	51.0	34.8	45.3	87.4	122.9	125.3	116.6	116.4	125.7	128.2
Total	5,525.1	5,726.4	6,028.4	7,178.6	8,211.9	8,679.2	9,129.8	9,491.9	9,754.2	9,949.4
Federal transportation-related licences and fees										
Marine Mode	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Road Mode ⁶	7.3	7.5	5.3	5.0	4.8	4.0	3.9	3.0	1.5	1.3
Total (federal government departments and agencies)	7.3	7.5	5.3	5.0	4.8	4.0	3.9	3.0	1.5	1.3
Provincial/Territorial transportation-related licences and fees²										
Newfoundland and Labrador	74.0	67.4	70.2	62.3	68.3	73.5	73.5	79.0	86.2	99.2
Prince Edward Island	13.0	13.0	14.5	13.3	13.7	15.1	18.4	18.9	18.8	19.6
Nova Scotia	99.0	82.1	85.4	80.5	83.2	113.4	120.5	123.0	121.5	127.5
New Brunswick	88.0	94.0	101.4	103.5	113.7	120.0	125.7	127.9	132.0	138.3
Quebec	1,031.0	1,058.7	1,100.3	941.7	848.7	914.4	940.1	963.0	1,139.0	1,252.0
Ontario	1,051.0	1,033.9	1,057.4	1,080.4	1,081.3	1,132.8	1,255.5	1,441.1	1,576.3	1,741.8
Manitoba	123.0	133.3	137.3	152.8	157.5	173.9	171.1	177.3	178.1	181.4
Saskatchewan	140.6	151.1	158.3	161.1	173.2	183.1	188.4	190.4	200.7	195.7
Alberta	379.0	391.9	377.4	346.6	376.4	420.5	492.0	516.0	517.0	502.0
British Columbia	445.0	449.9	447.9	397.6	405.9	415.0	568.9	575.0	581.0	589.0
Yukon	4.0	4.2	4.1	4.6	4.6	4.5	4.9	5.8	6.1	6.9
Northwest Territories	4.0	3.9	3.9	3.8	3.9	3.8	9.2	9.3	10.1	10.1
Nunavut	0.0	0.1	0.1	0.3	0.4	0.3	0.7	0.7	0.5	0.5
Total (all provinces/territories)	3,451.6	3,483.5	3,558.1	3,348.5	3,330.8	3,570.3	3,968.9	4,227.4	4,567.3	4,864.0
Other federal transport-related revenues⁷										
Transport Canada										
Air Mode - user fees	13.4	14.3	13.5	13.3	14.0	15.7	15.5	15.0	14.2	15.4
Air Mode - other	339.0	318.4	304.9	297.1	323.4	329.7	340.9	357.6	368.4	448.3
Marine Mode - user fees	16.4	16.4	16.9	8.3	16.1	17.6	18.7	19.7	18.8	18.2
Marine Mode - other	21.0	22.2	20.9	32.3	26.1	28.1	27.4	28.0	29.1	30.1
Rail Mode - other	33.4	26.2	13.1	13.8	15.5	16.8	17.2	14.9	14.2	12.3
Road Mode - other	0.2	0.2	0.4	0.2	0.3	0.4	0.4	0.5	0.0	0.0
Other Modes - user fees	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	3.6	7.1
Other Modes - other	90.6	50.2	520.6	60.1	46.5	26.1	15.3	6.3	8.3	9.6
Total (Transport Canada)	514.2	447.9	890.2	425.1	441.9	434.4	435.4	443.1	456.6	541.0
Other federal departments/agencies										
Air Mode - user fees	403.0	387.0	375.0	600.0	631.0	611.0	698.0	727.0	755.0	786.0
Air Mode - other	0.0	0.0	0.0	0.0	0.0	9.2	18.3	39.5	31.0	27.9
Marine Mode - user fees	0.0	0.0	0.0	0.0	0.0	0.0	2.2	3.1	3.5	3.4
Marine Mode - other	43.4	43.5	44.2	40.5	41.9	96.3	110.1	112.3	188.4	224.9
Rail Mode - other	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.7	3.8	5.3
Road Mode - user fees	0.0	0.2	0.8	0.5	0.3	0.0	0.0	0.0	0.0	0.0
Road Mode - other	0.0	0.0	0.0	0.0	0.0	29.2	35.8	55.9	103.2	98.9
Other Modes - other	0.1	0.0	0.3	0.3	0.2	0.2	0.7	0.6	0.5	0.6
Total (other federal government departments and agencies)	446.5	430.8	420.4	641.3	673.4	745.9	867.6	941.2	1,085.4	1,147.0
Other provincial/territorial transport-related revenues⁸										
Nova Scotia - user fees	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.8	1.9
Nova Scotia - other	0.0	0.0	0.0	0.0	0.0	10.2	10.3	16.3	18.6	15.9
Quebec - user fees	0.0	0.0	0.0	0.0	809.4	842.2	913.5	960.2	1,192.2	1,228.5
Quebec - other	0.0	0.0	0.0	0.0	38.1	54.6	91.2	261.3	0.0	3.6
Ontario - user fees	66.7	45.0	42.5	48.2	43.0	50.7	45.1	34.1	45.2	74.2
British Columbia - other	0.0	0.0	0.0	0.0	0.0	0.0	70.7	45.4	50.5	57.6
Northwest Territories - user fees	0.0	0.0	0.0	0.0	0.0	0.0	7.1	7.8	7.5	7.5
Northwest Territories - other	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.7	1.2	1.3
Total (all provinces/territories)	66.7	45.0	42.5	48.2	890.5	957.7	1,139.7	1,328.0	1,317.0	1,390.5

Notes:

- Road, rail and other diesel fuel (no breakdown by mode available).
- Only a few provinces/territories were able to break down this revenue category by mode, so we report a combined total for all modes for comparability. Most revenues in this category are from the road mode.
- First included last year: 10 years of sales tax revenues from household transportation-related expenses. The amounts for 2016/2017 were imputed.
- Includes rail, marine and other expenditure categories where no breakdown exists.
- Alberta, Yukon, Northwest Territories and Nunavut do not have provincial/territorial sales taxes.
- Revenues from the registrar of imported vehicles program.
- Data for 2014/15 and onwards are sourced from the Public Accounts. Prior to that, The data was sourced from the Departmental Performance Reports.
- Best estimates provided by provincial/territorial respondents. Use with caution.

Sources: Survey responses from selected federal government departments and agencies; Public Accounts; Departmental Performance Reports (including supplementary tables); Department of Finance tax expenditure reports; Statistics Canada data. Some amounts have been imputed for non-response/missing data.

Table G5: Summary of Provincial Transport Expenditures by Province/Territory, 2007/08–2016/17

	(Millions of dollars)									
	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
Transport Expenditures by Provincial/Territorial Governments										
Newfoundland and Labrador	305.0	409.2	444.9	512.2	476.3	395.6	395.6	423.5	418.7	319.4
Prince Edward Island	106.4	114.0	124.6	121.8	127.1	121.7	108.8	114.9	119.4	108.2
Nova Scotia	356.8	408.1	420.9	520.3	602.5	603.5	624.6	631.5	604.7	623.9
New Brunswick	925.9	533.0	559.8	629.2	441.8	900.5	391.9	411.2	506.5	515.3
Quebec	4,139.4	5,335.1	4,606.3	4,994.8	5,259.0	7,100.5	10,005.8	9,604.6	10,281.1	11,330.0
Ontario	5,058.8	4,084.0	2,521.4	2,521.3	2,641.2	4,164.4	4,330.7	4,647.1	5,336.5	5,504.4
Manitoba	511.3	540.8	662.2	591.0	582.6	602.7	646.4	810.4	943.0	905.9
Saskatchewan	439.4	598.7	574.7	599.0	598.4	582.6	626.7	693.7	777.7	1,119.4
Alberta	1,937.9	2,330.4	3,160.1	2,684.9	2,724.0	2,588.1	2,404.4	2,252.5	2,489.5	1,881.0
British Columbia	2,726.2	2,224.0	2,306.5	2,668.8	2,297.0	2,371.0	2,448.5	2,467.4	2,457.5	2,334.1
Yukon	96.3	107.6	116.3	99.7	99.3	113.6	113.5	125.4	120.8	119.0
Northwest Territories	98.9	125.2	164.9	352.8	210.4	204.9	260.9	349.0	324.9	277.8
Nunavut	47.6	45.8	33.2	40.1	39.2	59.8	123.7	91.2	126.6	98.4
Total (all provinces/territories)	16,749.8	16,855.9	15,695.9	16,335.8	16,098.8	19,809.0	22,481.6	22,622.4	24,506.9	25,136.7
	(Thousands of persons)									
	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
Population by Province/Territory¹										
Newfoundland and Labrador	510.2	513.4	519.0	522.8	525.9	527.3	528.4	528.7	529.5	530.6
Prince Edward Island	138.0	139.5	140.6	142.7	144.5	145.2	145.3	146.3	147.2	150.1
Nova Scotia	935.3	937.0	940.5	944.2	945.3	944.9	943.1	942.8	943.7	951.3
New Brunswick	746.1	747.8	751.1	754.3	755.7	756.7	755.5	755.1	754.5	758.6
Quebec	7,713.0	7,786.4	7,871.4	7,955.0	8,031.4	8,104.0	8,170.2	8,230.9	8,274.6	8,344.6
Ontario	12,806.6	12,926.6	13,046.8	13,188.7	13,317.1	13,465.6	13,608.3	13,729.2	13,846.2	14,053.7
Manitoba	1,191.7	1,199.6	1,211.9	1,224.8	1,237.8	1,254.7	1,269.5	1,285.4	1,300.7	1,323.6
Saskatchewan	1,007.3	1,022.5	1,039.5	1,056.1	1,070.9	1,092.0	1,109.5	1,124.4	1,136.0	1,153.6
Alberta	3,533.3	3,619.3	3,694.5	3,747.5	3,807.0	3,910.5	4,030.0	4,132.6	4,194.4	4,250.8
British Columbia	4,312.0	4,371.3	4,431.7	4,483.7	4,520.3	4,565.7	4,613.7	4,671.8	4,715.9	4,779.0
Yukon	32.7	33.3	34.0	34.8	35.5	36.2	36.2	37.0	37.4	38.2
Northwest Territories	43.3	43.3	42.9	43.3	43.5	43.7	43.7	44.1	44.4	44.4
Nunavut	31.6	32.0	32.8	33.6	34.4	34.9	35.6	36.2	36.8	37.3
Total (all provinces/territories)	33,001.1	33,371.8	33,756.7	34,131.5	34,469.3	34,881.4	35,289.1	35,664.7	35,961.3	36,415.7
	(Dollars per capita)									
	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
Per Capita Transport expenditures by Provincial/Territorial Governments										
Newfoundland and Labrador	597.8	797.0	857.4	979.6	905.7	750.2	748.6	801.0	790.8	601.9
Prince Edward Island	770.5	817.3	885.9	853.0	879.7	838.2	748.6	785.5	810.9	720.9
Nova Scotia	381.5	435.5	447.5	551.1	637.4	638.7	662.3	669.8	640.8	655.8
New Brunswick	1,241.0	712.8	745.3	834.2	584.6	1,190.0	518.7	544.6	671.3	679.2
Quebec	536.7	685.2	585.2	627.9	654.8	876.2	1,224.7	1,166.9	1,242.5	1,357.8
Ontario	395.0	315.9	193.3	191.2	198.3	309.3	318.2	338.5	385.4	391.7
Manitoba	429.1	450.8	546.4	482.5	470.7	480.3	509.2	630.4	725.0	684.4
Saskatchewan	436.2	585.5	552.9	567.2	558.8	533.6	564.8	616.9	684.6	970.4
Alberta	548.5	643.9	855.3	716.5	715.5	661.8	596.6	545.1	593.5	442.5
British Columbia	632.2	508.8	520.5	595.2	508.2	519.3	530.7	528.1	521.1	488.4
Yukon	2,948.6	3,231.6	3,419.2	2,865.2	2,793.3	3,133.8	3,135.9	3,393.0	3,232.2	3,117.2
Northwest Territories	2,286.7	2,891.8	3,841.9	8,148.6	4,832.9	4,694.9	5,967.6	7,919.8	7,313.6	6,255.9
Nunavut	1,508.1	1,434.0	1,012.4	1,193.3	1,140.5	1,714.2	3,472.0	2,517.2	3,443.5	2,638.6
Total (all provinces/territories)	507.6	505.1	465.0	478.6	467.0	567.9	637.1	634.3	681.5	690.3

Note:

1 Population as of the mid-point of the fiscal year (October 1st), taken from official estimates.

Source: Transport Canada calculations based on Table G6 and Statistics Canada population estimates.

Table G6: Detailed Provincial/Territorial Expenditures by Mode and by Province/Territory, 2007/08 - 2016/17

(Millions of dollars)

	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
AIR MODE										
Newfoundland and Labrador										
Operating	11.3	18.2	14.9	14.7	16.1	20.5	20.5	11.2	18.4	9.7
Capital	0.0	0.0	28.8	56.0	34.3	1.9	1.9	40.6	17.9	0.9
Operating and capital	11.3	18.2	43.7	70.7	50.4	22.4	22.4	51.8	36.3	10.6
Transfer payments	0.5	0.2	0.3	0.7	0.2	1.2	1.2	0.0	0.0	0.0
Gross expenditures	11.8	18.4	44.0	71.4	50.6	23.6	23.6	51.8	36.3	10.6
Federal transfers to provinces/territories ¹	(1.6)	(1.0)	(0.3)	(0.3)	(1.8)	(1.2)	(1.2)	(2.6)	(2.3)	(1.2)
Net expenditures	10.2	17.4	43.7	71.1	48.8	22.4	22.4	49.2	34.0	9.4
Quebec										
Operating	1.9	1.5	24.4	26.7	32.6	35.0	29.0	18.4	22.7	70.4
Capital	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.1	26.8	26.8
Operating and capital	1.9	1.5	24.4	26.7	32.6	35.0	29.0	42.5	49.5	97.2
Transfer payments	7.5	8.0	8.4	8.5	8.1	7.9	2.9	2.9	0.0	0.0
Gross expenditures	9.4	9.5	32.8	35.2	40.7	42.9	31.9	45.4	49.5	97.2
Federal transfers to provinces/territories ¹	(2.5)	(2.6)	(6.0)	(0.1)	0.4	0.0	0.0	0.2	0.0	0.0
Net expenditures	6.9	7.0	26.8	35.1	41.1	42.9	31.9	45.6	49.5	97.2
Ontario										
Operating	5.3	5.1	5.3	6.6	6.5	8.1	12.3	11.4	11.7	11.8
Capital	5.0	2.5	3.1	8.2	3.7	5.4	4.6	1.9	2.9	0.6
Operating and capital	10.3	7.6	8.4	14.8	10.2	13.5	16.9	13.3	14.6	12.4
Transfer payments	(1.9)	(0.3)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net expenditures	8.4	7.3	8.4	14.8	10.2	13.5	16.9	13.3	14.6	12.4
Manitoba										
Operating	7.6	6.3	3.6	1.6	8.1	8.8	11.6	13.4	12.8	13.5
Capital	4.4	3.6	1.2	2.4	1.2	2.9	0.9	1.1	0.5	1.4
Operating and Capital	12.0	9.9	4.8	4.0	9.3	11.7	12.5	14.5	13.3	14.9
Transfer payments	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
Gross expenditures	12.1	10.0	4.9	4.1	9.4	11.8	12.5	14.5	13.3	14.9
Federal transfers to provinces/territories ¹	(0.3)	(0.4)	0.0	0.0	0.0	(0.3)	0.8	0.0	1.1	0.9
Net expenditures	11.8	9.6	4.9	4.1	9.4	11.5	13.3	14.5	14.4	15.8
Saskatchewan										
Operating	2.2	2.1	1.8	1.9	2.0	3.0	2.0	2.0	2.0	2.0
Capital	0.0	0.4	0.5	0.5	0.0	0.0	0.0	0.2	14.6	0.0
Operating and capital	2.2	2.5	2.2	2.4	2.0	3.0	2.0	2.2	16.6	2.0
Transfer payments	0.5	0.1	0.1	0.1	0.1	0.8	0.7	0.7	0.0	0.0
Net expenditures	2.7	2.6	2.3	2.5	2.1	3.8	2.7	2.9	16.6	2.0
Alberta										
Transfer payments	2.1	2.0	3.2	2.4	1.0	2.6	1.5	0.0	0.1	0.0
Net expenditures	2.1	2.0	3.2	2.4	1.0	2.6	1.5	0.0	0.1	0.0
British Columbia										
Transfer payments	4.0	12.2	3.4	0.0	0.0	0.0	0.0	0.0	3.7	5.9
Net expenditures	4.0	12.2	3.4	0.0	0.0	0.0	0.0	0.0	3.7	5.9
Yukon										
Operating	7.3	8.4	8.3	8.7	9.5	10.2	10.9	10.8	11.4	11.8
Capital	5.7	6.1	13.5	5.6	3.5	5.0	9.8	13.3	5.9	5.7
Operating and capital	13.0	14.5	21.8	14.3	12.9	15.2	20.7	24.1	17.2	17.5
Transfer payments	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Gross expenditures	13.0	14.5	21.8	14.3	12.9	15.2	20.7	24.1	17.2	17.6
Federal transfers to provinces/territories ¹	(0.3)	(0.1)	(5.0)	(0.0)	(0.2)	(0.3)	(0.1)	(5.0)	(1.8)	(2.1)
Net expenditures	12.7	14.4	16.7	14.3	12.7	14.9	20.6	19.2	15.4	15.6
Northwest Territories										
Operating	18.0	17.6	18.5	23.2	24.1	16.2	29.6	26.2	30.0	27.6
Capital	1.8	9.6	16.6	20.4	10.7	6.6	4.3	6.0	2.4	4.4
Operating and capital	19.7	27.2	35.0	43.7	34.8	22.8	34.0	32.2	32.4	32.0
Transfer payments	0.0	0.0	0.0	0.0	0.0	0.0	0.3	7.4	1.6	1.0
Gross expenditures	19.7	27.2	35.0	43.7	34.8	22.8	34.2	39.6	34.0	33.0
Federal transfers to provinces/territories ¹	(0.8)	(5.5)	(0.8)	0.0	(0.3)	(0.2)	(0.3)	(7.4)	(1.6)	(2.1)
Net expenditures	19.0	21.7	34.3	43.7	34.5	22.6	34.0	32.2	32.4	32.0

Table G6 continues on the next page

	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
Nunavut										
Operating	13.1	13.4	13.2	17.7	17.6	22.3	24.2	21.9	24.5	24.7
Capital	11.8	11.3	6.9	6.3	8.1	8.3	71.8	62.7	91.8	66.6
Operating and capital	24.9	24.7	20.1	24.0	25.7	30.6	96.0	84.6	116.3	91.3
Transfer payments	9.7	8.0	4.9	5.9	1.9	18.0	23.5	3.4	6.7	0.0
Gross expenditures	34.6	32.7	24.9	29.9	27.5	48.6	119.5	88.0	123.0	91.3
Federal transfers to provinces/territories ¹	(9.7)	(8.0)	(4.9)	(5.9)	(1.9)	(18.0)	(23.5)	(3.4)	(6.7)	0.0
Net expenditures	24.9	24.7	20.1	24.0	25.7	30.6	96.0	84.6	116.3	91.3
Total (all provinces/territories)										
Operating	66.7	72.6	90.0	101.1	116.4	124.0	140.1	115.4	133.5	171.5
Capital	28.6	33.5	70.5	99.4	61.4	30.1	93.3	149.9	162.8	106.3
Operating and capital	95.3	106.1	160.5	200.6	177.8	154.2	233.4	265.3	296.3	277.8
Transfer payments	22.4	30.3	20.4	17.6	11.4	30.6	30.1	14.4	12.1	7.1
Gross expenditures	117.7	136.4	180.8	218.2	189.2	184.8	263.5	279.7	308.4	284.9
Federal transfers to provinces/territories ¹	(15.1)	(17.5)	(17.0)	(6.3)	(3.8)	(20.0)	(24.3)	(18.2)	(11.3)	(3.3)
Net expenditures	102.6	118.9	163.8	211.9	185.4	164.8	239.3	261.5	297.1	281.6
MARINE MODE										
Newfoundland and Labrador										
Operating	54.8	73.0	66.3	66.4	82.5	77.7	77.7	87.8	79.5	84.0
Capital	0.0	0.0	24.1	27.6	5.9	5.4	5.4	31.1	25.0	5.2
Net expenditures	54.8	73.0	90.4	94.0	88.4	83.1	83.1	118.9	104.5	89.2
Nova Scotia										
Operating	8.1	8.5	8.6	10.5	10.2	10.2	10.5	10.2	10.5	10.4
Capital	0.0	0.0	0.0	0.0	0.0	0.6	0.7	3.9	4.1	3.4
Net expenditures	8.1	8.5	8.6	10.5	10.2	10.8	11.2	14.2	14.6	13.7
New Brunswick										
Operating	14.0	16.1	14.3	14.8	18.5	22.3	21.6	22.6	21.0	21.2
Capital	10.6	8.8	19.4	51.2	21.6	4.4	4.1	7.4	13.6	5.0
Net expenditures	24.6	24.9	33.7	66.0	40.1	26.7	25.7	30.0	34.6	26.2
Quebec										
Operating	9.6	10.9	10.7	0.9	91.2	96.0	95.3	120.7	139.7	118.5
Transfer payments	12.9	17.8	15.0	7.2	4.9	4.9	4.8	4.8	0.0	0.0
Net expenditures	22.5	28.6	25.6	8.1	96.1	100.9	100.1	125.5	139.7	118.5
Ontario										
Operating	11.0	12.3	12.5	11.6	11.6	13.1	12.0	12.3	12.0	12.3
Transfer payments	4.1	5.3	4.5	5.3	6.3	6.1	6.4	6.9	9.0	11.8
Net expenditures	15.1	17.6	17.0	16.9	17.9	19.2	18.4	19.2	21.0	24.1
Manitoba										
Operating	0.5	0.2	0.6	0.0	0.0	1.0	3.8	3.5	3.9	3.8
Capital	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0
Operating and capital	0.5	0.2	0.6	0.0	0.0	3.7	3.8	3.5	3.9	3.8
Transfer payments	0.0	0.8	0.0	4.0	5.0	0.0	0.3	0.0	1.1	0.0
Gross expenditures	0.5	1.0	0.6	4.0	5.0	3.7	4.1	3.5	5.0	3.8
Federal transfers to provinces/territories ¹	0.0	0.0	0.0	0.0	0.0	0.0	2.3	1.0	1.0	0.0
Net expenditures	0.5	1.0	0.6	4.0	5.0	3.7	6.4	4.5	6.0	3.8
Saskatchewan										
Operating	3.6	3.9	3.7	3.7	4.0	3.5	3.6	3.7	3.7	4.0
Capital	0.0	0.0	0.0	0.0	0.7	3.0	2.2	0.5	1.8	0.0
Net expenditures	3.6	3.9	3.7	3.7	4.7	6.6	5.8	4.2	5.5	4.0
Alberta										
Operating	2.0	2.3	2.1	2.0	2.2	2.0	1.6	2.1	1.5	1.8
Net expenditures	2.0	2.3	2.1	2.0	2.2	2.0	1.6	2.1	1.5	1.8
British Columbia										
Operating	16.0	19.0	19.0	19.0	20.7	21.3	20.8	22.6	24.6	25.6
Transfer payments	155.0	172.0	170.0	171.0	177.0	201.3	198.0	193.1	189.4	192.0
Gross expenditures	171.0	191.0	189.0	190.0	197.7	222.6	218.8	215.7	214.0	217.6
Federal transfers to provinces/territories ¹	0.0	(26.3)	(26.9)	(26.9)	(27.5)	(28.1)	(28.5)	(28.4)	(28.7)	(29.1)
Net expenditures	171.0	164.7	162.1	163.1	170.2	194.5	190.3	187.3	185.3	188.5
Yukon										
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.5	1.5
Capital	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4
Net expenditures	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.7	1.9

Table G6 continues on the next page

Table G6: Detailed Provincial/Territorial Expenditures by Mode and by Province/Territory, 2007/08 - 2016/17 (cont)

(Millions of dollars)

	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
Northwest Territories										
Operating	5.1	5.4	4.7	5.1	5.9	5.0	8.1	7.8	8.7	7.6
Capital	1.8	9.6	16.6	20.4	10.7	6.6	1.0	1.0	1.0	0.3
Net expenditures	6.8	15.0	21.3	25.6	16.5	11.6	9.1	8.8	9.7	7.9
Nunavut										
Operating	0.3	0.3	0.5	0.7	0.2	0.2	0.2	0.2	0.3	0.5
Capital	11.8	11.3	6.9	6.3	8.1	8.3	1.7	0.4	0.6	0.9
Operating and capital	12.1	11.6	7.4	7.0	8.2	8.5	1.9	0.6	0.9	1.4
Transfer payments	0.0	0.0	0.0	0.6	0.5	0.5	0.0	0.0	0.0	0.0
Gross expenditures	12.1	11.6	7.4	7.6	8.7	9.0	1.9	0.6	0.9	1.4
Federal transfers to provinces/territories ¹	0.0	0.0	0.0	(0.6)	(0.5)	(0.5)	0.0	0.0	0.0	0.0
Net expenditures	12.1	11.6	7.4	7.0	8.2	8.5	1.9	0.6	0.9	1.4
Total (all provinces/territories)										
Operating	125.0	151.9	142.9	134.7	246.9	252.4	255.2	295.0	306.9	291.2
Capital	24.1	29.7	67.0	105.5	46.9	31.1	15.1	44.5	46.3	15.2
Operating and capital	149.1	181.5	209.9	240.2	293.8	283.4	270.3	339.5	353.2	306.4
Transfer payments	172.0	195.9	189.5	188.1	193.7	212.8	209.5	204.8	199.5	203.8
Gross expenditures	321.1	377.4	399.3	428.4	487.4	496.2	479.8	544.3	552.7	510.2
Federal transfers to provinces/territories ¹	0.0	(26.3)	(26.9)	(27.5)	(28.0)	(28.6)	(26.2)	(27.4)	(27.7)	(29.1)
Net expenditures	321.1	351.1	372.4	400.9	459.4	467.6	453.6	516.9	525.0	481.1
RAIL MODE										
New Brunswick										
Operating	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.5	0.4
Capital	0.0	0.0	0.1	0.0	0.1	0.1	0.2	0.1	0.2	0.2
Net expenditures	0.4	0.4	0.5	0.4	0.5	0.6	0.7	0.5	0.7	0.6
Quebec										
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.8	3.3
Capital	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.9	0.0
Operating and capital	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	5.7	3.3
Transfer payments	3.9	5.8	8.0	8.5	1.9	1.7	2.0	2.0	0.0	0.0
Gross expenditures	3.9	5.8	8.0	8.5	1.9	1.7	2.0	6.7	5.7	3.3
Federal transfers to provinces/territories ¹	0.0	(0.3)	(5.3)	(3.9)	(4.0)	(7.5)	(7.5)	(7.5)	(12.8)	(0.1)
Net expenditures	3.9	5.5	2.7	4.6	(2.1)	(5.7)	(5.5)	(0.8)	(7.1)	3.2
Ontario										
Operating	0.4	1.1	1.0	1.4	1.0	0.7	0.7	1.0	0.8	1.3
Capital	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating and capital	1.3	1.1	1.0	1.4	1.0	0.7	0.7	1.0	0.8	1.3
Transfer payments	45.1	44.9	52.6	66.2	75.7	87.0	111.5	83.2	94.8	79.3
Net expenditures	46.4	46.0	53.6	67.6	76.7	87.7	112.2	84.2	95.6	80.6
Manitoba										
Operating	0.5	0.0	0.6	0.0	0.0	0.4	0.0	0.0	0.0	0.0
Transfer payments	0.0	4.9	7.5	0.8	1.2	0.0	1.7	0.0	0.0	0.0
Gross expenditures	0.5	4.9	8.1	0.8	1.2	0.4	1.7	0.0	0.0	0.0
Federal transfers to provinces/territories ¹	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0
Net expenditures	0.5	4.9	8.1	0.8	1.2	0.4	3.4	0.0	0.0	0.0
Saskatchewan										
Operating	1.2	1.3	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.6
Net expenditures	1.2	1.3	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.6
Total (all provinces/territories)										
Operating	2.5	2.8	3.2	3.0	2.6	2.8	2.4	3.7	4.4	6.6
Capital	0.9	0.0	0.1	0.0	0.1	0.1	0.2	3.8	4.1	0.2
Operating and capital	3.4	2.8	3.3	3.0	2.7	2.9	2.6	7.5	8.5	6.8
Transfer payments	49.0	55.6	68.1	75.5	78.8	88.7	115.2	85.2	94.8	79.3
Gross expenditures	52.4	58.4	71.3	78.5	81.5	91.6	117.8	92.7	103.3	86.1
Federal transfers to provinces/territories ¹	0.0	(0.3)	(5.3)	(3.9)	(4.0)	(7.5)	(5.8)	(7.5)	(12.8)	(0.1)
Net expenditures	52.4	58.0	66.0	74.6	77.5	84.2	112.0	85.2	90.5	86.0

Table G6 continues on the next page

	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
ROAD MODE										
Newfoundland and Labrador										
Operating	158.1	198.7	207.5	211.5	202.1	170.0	170.0	152.8	189.4	180.9
Capital	67.0	83.4	103.0	135.3	135.2	118.9	118.9	100.0	88.5	38.7
Operating and capital	225.1	282.1	310.5	346.8	337.3	288.9	288.9	252.8	277.9	219.6
Transfer payments	13.3	35.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gross expenditures	238.4	317.8	310.5	346.8	337.3	288.9	288.9	252.8	277.9	219.6
Federal transfers to provinces/territories ¹	(10.9)	(38.9)	(59.8)	(37.5)	(28.3)	(17.3)	(17.3)	(3.3)	(11.0)	(58.0)
Net expenditures	227.5	278.9	250.7	309.3	309.0	271.6	271.6	249.5	266.9	161.6
Prince Edward Island										
Operating	63.1	70.1	65.6	62.0	88.3	82.3	69.7	76.3	70.3	68.3
Capital	31.4	35.3	58.9	59.6	38.7	39.3	39.0	38.5	49.0	39.2
Operating and capital	94.5	105.4	124.5	121.6	127.0	121.6	108.7	114.8	119.3	107.5
Transfer payments	11.5	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gross expenditures	106.0	113.6	124.5	121.6	127.0	121.6	108.7	114.8	119.3	107.5
Federal transfers to provinces/territories ¹	(0.4)	(0.4)	(0.3)	(5.8)	(4.6)	(3.1)	(10.0)	(9.1)	(9.1)	(13.7)
Net expenditures	105.6	113.2	124.2	115.8	122.4	118.5	98.7	105.7	110.2	93.8
Nova Scotia										
Operating	197.1	197.0	176.3	209.8	334.2	342.0	364.4	387.6	368.4	387.9
Capital	137.7	188.2	236.0	300.0	258.2	250.8	249.1	229.8	221.8	222.3
Operating and capital	334.8	385.2	412.3	509.8	592.4	592.7	613.4	617.3	590.2	610.2
Transfer payments	13.9	14.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gross expenditures	348.7	399.6	412.3	509.8	592.4	592.7	613.4	617.3	590.2	610.2
Federal transfers to provinces/territories ¹	0.0	0.0	0.0	0.0	(19.4)	(20.5)	(18.9)	(22.5)	(32.0)	(23.7)
Net expenditures	348.7	399.6	412.3	509.8	573.0	572.3	594.5	594.8	558.1	586.5
New Brunswick										
Operating	179.2	188.6	174.5	156.6	156.1	152.8	129.5	137.2	128.0	130.7
Capital	712.1	310.1	351.1	406.2	245.1	720.4	236.0	243.5	343.2	357.7
Operating and capital	891.3	498.7	525.6	562.8	401.2	873.2	365.5	380.7	471.2	488.5
Transfer payments	9.6	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gross expenditures	900.9	507.7	525.6	562.8	401.2	873.2	365.5	380.7	471.2	488.5
Federal transfers to provinces/territories ¹	(151.6)	(39.2)	(49.7)	(54.7)	(45.4)	(221.3)	(16.9)	(7.8)	(18.4)	(13.6)
Net expenditures	749.3	468.5	475.9	508.1	355.8	651.9	348.6	372.9	452.8	474.9
Quebec										
Operating	1,610.2	1,881.1	695.3	753.2	805.4	847.3	3,014.1	3,110.0	3,721.5	3,014.2
Capital	1,861.6	2,734.6	3,055.0	3,369.1	3,455.2	3,191.1	3,279.9	2,801.7	2,438.9	3,159.8
Operating and capital	3,471.8	4,615.8	3,750.4	4,122.3	4,260.6	4,038.4	6,294.0	5,911.7	6,160.4	6,174.0
Transfer payments	183.6	174.9	196.5	200.9	199.2	138.6	203.3	203.3	0.0	0.0
Gross expenditures	3,655.4	4,790.6	3,946.8	4,323.1	4,459.8	4,177.0	6,497.3	6,115.0	6,160.4	6,174.0
Federal transfers to provinces/territories ¹	(19.1)	(7.5)	(5.5)	(80.2)	(77.3)	(112.3)	(99.5)	(75.2)	(52.7)	(49.7)
Net expenditures	3,636.3	4,783.2	3,941.3	4,242.9	4,382.4	4,064.7	6,397.8	6,039.8	6,107.7	6,124.3
Ontario										
Operating	392.8	496.5	471.3	466.5	453.7	468.8	472.2	495.7	515.3	549.6
Capital	2,111.9	2,487.4	683.9	722.3	791.2	929.7	1,049.6	988.6	1,049.8	1,132.1
Operating and capital	2,504.7	2,983.9	1,155.2	1,188.8	1,244.9	1,398.5	1,521.8	1,484.3	1,565.1	1,681.7
Transfer payments	442.1	10.5	53.8	29.5	23.5	27.3	22.5	44.3	34.1	77.3
Gross expenditures	2,946.8	2,994.4	1,209.0	1,218.3	1,268.4	1,425.8	1,544.3	1,528.6	1,599.2	1,759.0
Federal transfers to provinces/territories ¹	(43.7)	(22.1)	(16.2)	(43.0)	(33.3)	(33.4)	(37.4)	(35.0)	(43.8)	(67.0)
Net expenditures	2,903.1	2,972.3	1,192.8	1,175.3	1,235.1	1,392.4	1,506.9	1,493.6	1,555.4	1,692.0
Manitoba										
Operating	143.3	190.0	200.8	156.3	166.1	168.5	190.8	200.2	195.2	218.8
Capital	281.5	222.9	380.4	361.9	347.7	286.1	315.8	454.2	549.8	520.1
Operating and capital	424.8	412.9	581.2	518.2	513.8	454.6	506.6	654.4	745.0	738.9
Transfer payments	39.7	54.9	29.7	23.1	1.8	1.8	45.4	69.2	101.3	66.3
Gross expenditures	464.5	467.8	610.9	541.3	515.6	456.4	552.0	723.6	846.3	805.2
Federal transfers to provinces/territories ¹	(1.2)	(0.3)	0.0	0.0	0.0	(35.8)	68.1	87.8	76.1	67.9
Net expenditures	463.3	467.5	610.9	541.3	515.6	420.6	620.1	811.4	922.4	873.1
Saskatchewan										
Operating	242.8	248.5	248.2	219.8	268.4	233.6	233.6	258.2	229.6	236.2
Capital	183.3	215.0	259.7	302.3	295.3	296.3	347.1	390.9	501.0	851.5
Operating and capital	426.1	463.5	507.9	522.1	563.7	529.8	580.7	649.1	730.6	1,087.7
Transfer payments	5.9	127.3	59.7	69.5	26.8	41.3	36.3	36.2	23.7	24.1
Gross expenditures	432.0	590.9	567.6	591.7	590.5	571.1	617.0	685.3	754.3	1,111.8
Federal transfers to provinces/territories ¹	(9.9)	(3.1)	(80.2)	(90.0)	(54.9)	(23.5)	(23.0)	(28.0)	(59.0)	(131.2)
Net expenditures	422.1	587.8	487.3	501.7	535.6	547.6	594.0	657.3	695.3	980.6

Table G6 continues on the next page

Table G6: Detailed Provincial/Territorial Expenditures by Mode and by Province/Territory, 2007/08 - 2016/17 (cont)

(Millions of dollars)

	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
Alberta										
Operating	439.5	547.0	488.8	475.0	520.9	598.3	640.8	661.9	591.3	612.9
Capital	951.3	1,374.6	1,349.1	1,235.8	1,298.3	1,198.9	1,034.5	1,127.4	1,432.2	904.2
Operating and capital	1,390.8	1,921.6	1,837.9	1,710.8	1,819.2	1,797.2	1,675.3	1,789.2	2,023.5	1,517.1
Transfer payments	0.0	0.0	1,279.7	866.1	665.0	656.0	476.6	221.7	214.1	221.5
Gross expenditures	1,390.8	1,921.6	3,117.6	2,576.9	2,484.2	2,453.2	2,151.9	2,010.9	2,237.6	1,738.6
Federal transfers to provinces/territories ¹	(122.3)	(37.0)	(306.9)	(577.2)	(417.5)	(342.9)	(204.1)	(286.5)	(232.6)	(273.1)
Net expenditures	1,268.5	1,884.6	2,810.7	1,999.7	2,066.7	2,110.3	1,947.8	1,724.5	2,005.0	1,465.5
British Columbia										
Operating	620.0	779.2	804.8	930.5	759.5	715.5	714.3	903.0	837.0	808.0
Capital	1,261.9	885.0	923.1	1,084.7	925.3	1,008.9	1,020.0	826.0	873.0	827.6
Operating and capital	1,881.9	1,664.2	1,727.9	2,015.2	1,684.8	1,724.4	1,734.3	1,729.0	1,710.0	1,635.6
Transfer payments	305.3	42.6	25.2	19.6	19.5	37.4	19.4	24.9	77.5	56.8
Gross expenditures	2,187.2	1,706.8	1,753.1	2,034.8	1,704.3	1,761.8	1,753.7	1,753.9	1,787.5	1,692.4
Federal transfers to provinces/territories ¹	(76.5)	(177.5)	(198.8)	(296.9)	(145.0)	(146.4)	(126.7)	(93.0)	(163.0)	(112.0)
Net expenditures	2,110.7	1,529.3	1,554.3	1,737.9	1,559.3	1,615.4	1,627.0	1,660.9	1,624.5	1,580.4
Yukon										
Operating	37.5	39.8	40.1	39.4	41.5	44.3	48.7	50.3	51.5	51.5
Capital	45.9	53.3	54.5	45.9	44.8	54.0	43.2	48.8	49.7	47.3
Operating and capital	83.3	93.1	94.5	85.3	86.3	98.3	91.9	99.1	101.2	98.8
Transfer payments	0.0	0.1	0.0	0.0	0.0	0.0	1.0	0.4	0.4	0.5
Gross expenditures	83.3	93.2	94.6	85.3	86.3	98.4	92.9	99.4	101.6	99.2
Federal transfers to provinces/territories ¹	(3.1)	(1.1)	(8.9)	(13.2)	(8.3)	(7.8)	(5.6)	(14.1)	(13.3)	(19.1)
Net expenditures	80.2	92.0	85.7	72.1	78.1	90.5	87.3	85.3	88.4	80.1
Northwest Territories										
Operating	29.7	30.7	33.5	59.9	67.4	79.0	71.3	73.5	77.1	77.3
Capital	30.9	37.6	61.0	207.3	76.3	77.6	116.2	133.4	112.3	83.4
Operating and capital	60.6	68.3	94.5	267.2	143.7	156.6	187.4	206.9	189.3	160.7
Transfer payments	0.0	0.0	0.0	0.0	0.0	0.0	19.1	80.6	80.0	65.1
Gross expenditures	60.6	68.3	94.5	267.2	143.7	156.6	206.5	287.5	269.4	225.8
Federal transfers to provinces/territories ¹	(18.6)	(16.9)	(3.7)	(42.4)	(22.4)	(39.7)	(19.1)	(80.6)	(80.0)	(65.1)
Net expenditures	42.0	51.4	90.8	224.8	121.3	116.9	187.4	206.9	189.3	160.7
Nunavut										
Operating	0.3	0.3	0.5	0.7	2.9	2.2	2.3	2.6	2.7	3.0
Capital	0.7	1.3	0.4	0.5	0.0	0.0	0.0	0.0	0.0	2.7
Operating and capital	1.0	1.6	0.9	1.2	2.9	2.2	2.3	2.6	2.7	5.7
Transfer payments	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0
Gross expenditures	1.0	1.6	0.9	2.6	2.9	2.2	2.3	2.6	2.7	5.7
Federal transfers to provinces/territories ¹	0.0	0.0	0.0	(1.3)	0.0	0.0	0.0	0.0	0.0	0.0
Net expenditures	1.0	1.6	0.9	1.3	2.9	2.2	2.3	2.6	2.7	5.7
Total (all provinces/territories)										
Operating	4,113.5	4,867.6	3,607.1	3,741.2	3,866.4	3,904.5	6,121.7	6,509.3	6,977.2	6,339.3
Capital	7,677.1	8,628.7	7,516.2	8,231.0	7,911.3	8,171.9	7,849.2	7,382.6	7,709.2	8,186.6
Operating and capital	11,790.7	13,496.3	11,123.3	11,972.1	11,777.7	12,076.4	13,970.8	13,891.9	14,686.4	14,525.9
Transfer payments	1,025.0	477.6	1,644.6	1,210.0	935.9	902.4	823.6	680.5	531.1	511.5
Gross expenditures	12,815.6	13,973.8	12,767.8	13,182.2	12,713.6	12,978.8	14,794.4	14,572.5	15,217.5	15,037.4
Federal transfers to provinces/territories ¹	(457.3)	(343.9)	(730.1)	(1,242.2)	(856.4)	(1,004.0)	(510.4)	(567.3)	(638.8)	(758.3)
Net expenditures	12,358.4	13,629.9	12,037.7	11,939.9	11,857.2	11,974.8	14,284.0	14,005.2	14,578.7	14,279.1
TRANSIT										
Prince Edward Island										
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.7
Federal transfers to provinces/territories ¹	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
Net expenditures	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	1.1
New Brunswick										
Federal transfers to provinces/territories ¹	0.0	0.0	0.0	(35.7)	(58.3)	0.0	0.0	0.0	0.0	0.0
Net expenditures	0.0	0.0	0.0	(35.7)	(58.3)	0.0	0.0	0.0	0.0	0.0
Quebec										
Operating	0.0	0.0	0.0	0.0	0.0	1,603.1	1,922.9	1,696.3	2,309.9	2,906.6
Capital	0.0	0.0	0.0	0.0	0.0	475.3	707.5	684.4	787.1	1,145.3
Operating and capital	0.0	0.0	0.0	0.0	0.0	2,078.4	2,630.4	2,380.7	3,097.0	4,051.9
Transfer payments	307.3	339.2	439.5	486.2	510.1	552.9	600.5	787.7	828.8	885.1
Gross expenditures	307.3	339.2	439.5	486.2	510.1	2,631.3	3,230.9	3,168.4	3,925.8	4,937.0
Federal transfers to provinces/territories ¹	0.0	0.0	0.0	0.0	0.0	0.0	0.0	(54.9)	(78.0)	(31.5)
Net expenditures	307.3	339.2	439.5	486.2	510.1	2,631.3	3,230.9	3,113.5	3,847.8	4,905.5

Table G6 continues on the next page

	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
Ontario										
Transfer payments	1,912.0	878.6	1,099.1	1,062.3	1,129.1	2,476.0	2,504.9	2,868.2	3,450.9	3,485.3
Net expenditures	1,912.0	878.6	1,099.1	1,062.3	1,129.1	2,476.0	2,504.9	2,868.2	3,450.9	3,485.3
Manitoba										
Operating	23.8	0.0	0.0	27.1	32.7	25.8	0.0	0.0	0.0	0.0
Capital	4.3	0.0	0.0	7.0	9.6	17.5	0.0	0.0	0.0	0.0
Operating and capital	28.1	0.0	0.0	34.1	42.3	43.3	0.0	0.0	0.0	0.0
Transfer payments	2.0	53.4	36.9	0.0	2.2	3.0	48.2	40.9	50.5	52.6
Gross expenditures	30.1	53.4	36.9	34.1	44.5	46.3	48.2	40.9	50.5	52.6
Federal transfers to provinces/territories ¹	0.0	0.0	0.0	0.0	0.0	0.0	16.4	1.5	5.6	5.9
Net expenditures	30.1	53.4	36.9	34.1	44.5	46.3	64.6	42.4	56.1	58.5
Alberta										
Transfer payments	484.6	361.3	0.0	70.0	199.9	93.2	216.0	208.5	215.1	103.9
Net expenditures	484.6	361.3	0.0	70.0	199.9	93.2	216.0	208.5	215.1	103.9
British Columbia										
Operating	51.0	84.0	69.0	147.0	96.0	209.7	299.9	328.0	287.4	212.3
Transfer payments	313.0	230.0	292.0	297.0	299.0	176.9	176.1	169.8	164.9	205.9
Net expenditures	364.0	314.0	361.0	444.0	395.0	386.6	476.0	497.8	452.3	418.2
Yukon										
Capital	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Transfer payments	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Net expenditures	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
Nunavut										
Federal transfers to provinces/territories ¹	0.0	0.0	0.0	(15.0)	(15.0)	0.0	0.0	0.0	0.0	0.0
Net expenditures	0.0	0.0	0.0	(15.0)	(15.0)	0.0	0.0	0.0	0.0	0.0
Total (all provinces/territories)										
Operating	74.8	84.0	69.0	174.1	128.7	1,838.6	2,222.9	2,024.4	2,597.4	3,119.6
Capital	4.3	0.0	0.0	7.0	9.6	492.8	707.5	684.5	787.2	1,145.4
Operating and capital	79.1	84.0	69.0	181.1	138.3	2,331.4	2,930.4	2,708.9	3,384.6	4,265.0
Transfer payments	3,018.9	1,862.5	1,867.5	1,915.5	2,140.3	3,301.9	3,545.7	4,075.2	4,710.3	4,733.0
Gross expenditures	3,098.0	1,946.5	1,936.5	2,096.6	2,278.6	5,633.3	6,476.1	6,784.1	8,094.9	8,998.0
Federal transfers to provinces/territories ¹	0.0	0.0	0.0	(50.7)	(73.3)	0.0	16.4	(53.4)	(72.4)	(25.2)
Net expenditures	3,098.0	1,946.5	1,936.5	2,045.9	2,205.3	5,633.3	6,492.5	6,730.7	8,022.5	8,972.8
OTHER MODES										
Prince Edward Island										
Operating	0.1	0.2	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0
Capital	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net expenditures	0.4	0.4	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0
Quebec										
Operating	118.3	124.4	114.5	99.1	128.6	119.6	113.4	113.4	0.0	0.0
Transfer payments	22.6	36.8	39.1	34.4	22.0	27.1	30.2	30.2	0.0	0.0
Net expenditures	140.9	161.2	153.6	133.5	150.5	146.7	143.6	143.6	0.0	0.0
Ontario										
Operating	130.1	140.1	133.8	138.5	134.9	141.9	133.4	133.0	154.7	142.6
Capital	0.0	0.0	0.5	2.9	4.0	0.3	0.6	0.6	0.5	0.4
Net expenditures	130.1	140.1	134.3	141.4	138.9	142.2	134.0	133.6	155.2	143.0
Manitoba										
Operating	3.4	3.5	0.6	2.5	2.4	74.4	0.0	0.0	0.0	0.0
Capital	0.0	0.0	0.0	0.0	0.0	9.8	0.0	0.0	0.0	0.0
Operating and capital	3.4	3.5	0.6	2.5	2.4	84.1	0.0	0.0	0.0	0.0
Transfer payments	0.2	0.2	0.2	4.2	4.5	0.0	27.9	27.9	27.9	29.4
Gross expenditures	3.6	3.7	0.8	6.7	6.9	84.1	27.9	27.9	27.9	29.4
Federal transfers to provinces/territories ¹	0.0	0.0	0.0	0.0	0.0	(5.7)	0.0	0.0	0.0	0.0
Net expenditures	3.6	3.7	0.8	6.7	6.9	78.4	27.9	27.9	27.9	29.4
Saskatchewan										
Federal transfers to provinces/territories ¹	0.0	0.0	0.0	0.0	(0.1)	0.0	0.0	0.0	0.0	0.0
Net expenditures	0.0	0.0	0.0	0.0	(0.1)	0.0	0.0	0.0	0.0	0.0
Alberta										
Operating	48.7	33.8	26.7	25.1	27.0	27.1	29.1	26.4	31.4	32.3
Capital	9.7	9.4	10.4	8.6	9.6	10.1	4.2	4.6	3.8	4.3
Net expenditures	58.4	43.2	37.2	33.7	36.6	37.2	33.3	31.0	35.1	36.7
Northwest Territories										
Operating	11.7	14.7	14.1	16.4	15.4	13.9	11.1	13.1	11.8	11.1
Federal transfers to provinces/territories ¹	0.0	0.0	0.0	0.0	(0.8)	(0.2)	0.0	0.0	0.0	0.0
Net expenditures	11.7	14.7	14.1	16.4	14.6	13.7	11.1	13.1	11.8	11.1

Table G6 continues on the next page

Table G6: Detailed Provincial/Territorial Expenditures by Mode and by Province/Territory, 2007/08 - 2016/17 (cont)

	(Millions of dollars)									
	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
Total (all provinces/territories)										
Operating	312.3	316.7	289.8	281.8	308.4	376.9	287.0	285.9	197.9	186.1
Capital	9.9	9.6	10.9	11.5	13.6	20.2	4.8	5.2	4.3	4.7
Operating and capital	322.2	326.3	300.8	293.3	322.1	397.1	291.8	291.1	202.1	190.8
Transfer payments	22.8	37.0	39.3	38.6	26.5	27.1	58.1	58.1	27.9	29.4
Gross expenditures	345.0	363.3	340.1	331.9	348.5	424.2	349.9	349.2	230.0	220.2
Federal transfers to provinces/territories ¹	0.0	0.0	0.0	0.0	(0.9)	(5.9)	0.0	0.0	0.0	0.0
Net expenditures	345.0	363.3	340.1	331.9	347.6	418.3	349.9	349.2	230.0	220.2
TOTAL (ALL MODES)										
Newfoundland and Labrador										
Operating	224.2	289.9	288.7	292.6	300.7	268.2	268.2	251.8	287.3	274.6
Capital	67.0	83.4	155.9	218.9	175.4	126.2	126.2	171.7	131.4	44.8
Operating and capital	291.2	373.3	444.6	511.5	476.1	394.4	394.4	423.5	418.7	319.4
Transfer payments	13.8	35.9	0.3	0.7	0.2	1.2	1.2	0.0	0.0	0.0
Gross expenditures	305.0	409.2	444.9	512.2	476.3	395.6	395.6	423.5	418.7	319.4
Federal transfers to provinces/territories ¹	(12.5)	(39.9)	(60.1)	(37.8)	(30.1)	(18.5)	(18.5)	(5.9)	(13.3)	(59.2)
Net expenditures	292.5	369.3	384.8	474.4	446.2	377.1	377.1	417.6	405.4	260.2
Prince Edward Island										
Operating	63.2	70.3	65.7	62.2	88.4	82.4	69.8	76.4	70.4	69.0
Capital	31.7	35.5	58.9	59.6	38.7	39.3	39.0	38.5	49.0	39.2
Operating and capital	94.9	105.8	124.6	121.8	127.1	121.7	108.8	114.9	119.4	108.2
Transfer payments	11.5	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gross expenditures	106.4	114.0	124.6	121.8	127.1	121.7	108.8	114.9	119.4	108.2
Federal transfers to provinces/territories ¹	(0.4)	(0.4)	(0.3)	(5.8)	(4.6)	(3.1)	(10.0)	(9.1)	(9.1)	(13.3)
Net expenditures	106.0	113.6	124.3	116.0	122.5	118.6	98.8	105.8	110.3	94.9
Nova Scotia										
Operating	205.2	205.5	184.9	220.3	344.3	352.2	374.9	397.8	378.9	398.3
Capital	137.7	188.2	236.0	300.0	258.2	251.3	249.8	233.7	225.9	225.6
Operating and capital	342.9	393.7	420.9	520.3	602.5	603.5	624.6	631.5	604.7	623.9
Transfer payments	13.9	14.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gross expenditures	356.8	408.1	420.9	520.3	602.5	603.5	624.6	631.5	604.7	623.9
Federal transfers to provinces/territories ¹	0.0	0.0	0.0	0.0	(19.4)	(20.5)	(18.9)	(22.5)	(32.0)	(23.7)
Net expenditures	356.8	408.1	420.9	520.3	583.1	583.0	605.7	609.0	572.7	600.2
New Brunswick										
Operating	193.6	205.1	189.2	171.8	175.0	175.6	151.6	160.2	149.5	152.4
Capital	722.7	318.9	370.6	457.4	266.8	724.9	240.3	251.0	357.0	362.9
Operating and capital	916.3	524.0	559.8	629.2	441.8	900.5	391.9	411.2	506.5	515.3
Transfer payments	9.6	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gross expenditures	925.9	533.0	559.8	629.2	441.8	900.5	391.9	411.2	506.5	515.3
Federal transfers to provinces/territories ¹	(151.6)	(39.2)	(49.7)	(90.4)	(103.7)	(221.3)	(16.9)	(7.8)	(18.4)	(13.6)
Net expenditures	774.3	493.8	510.1	538.8	338.1	679.2	375.0	403.4	488.1	501.7
Quebec										
Operating	1,740.0	2,017.9	844.9	879.8	1,057.8	2,701.0	5,174.7	5,059.8	6,195.6	6,113.0
Capital	1,861.6	2,734.6	3,055.0	3,369.1	3,455.2	3,666.4	3,987.4	3,513.9	3,256.7	4,331.9
Operating and capital	3,601.7	4,752.5	3,900.0	4,249.0	4,512.9	6,367.4	9,162.1	8,573.7	9,452.3	10,444.9
Transfer payments	537.8	582.6	706.4	745.8	746.1	733.2	843.7	1,030.9	828.8	885.1
Gross expenditures	4,139.4	5,335.1	4,606.3	4,994.8	5,259.0	7,100.5	10,005.8	9,604.6	10,281.1	11,330.0
Federal transfers to provinces/territories ¹	(21.6)	(10.3)	(16.8)	(84.3)	(80.9)	(119.8)	(107.0)	(137.4)	(143.5)	(81.3)
Net expenditures	4,117.8	5,324.8	4,589.5	4,910.5	5,178.1	6,980.8	9,898.8	9,467.2	10,137.6	11,248.7
Ontario										
Operating	539.6	655.1	623.9	624.6	607.7	632.6	630.6	653.4	694.5	717.6
Capital	2,117.8	2,489.9	687.5	733.4	798.9	935.4	1,054.8	991.1	1,053.2	1,133.1
Operating and capital	2,657.4	3,145.0	1,311.4	1,358.0	1,406.6	1,568.0	1,685.4	1,644.5	1,747.7	1,850.7
Transfer payments	2,401.4	939.0	1,210.0	1,163.3	1,234.6	2,596.4	2,645.3	3,002.6	3,588.8	3,653.7
Gross expenditures	5,058.8	4,084.0	2,521.4	2,521.3	2,641.2	4,164.4	4,330.7	4,647.1	5,336.5	5,504.4
Federal transfers to provinces/territories ¹	(43.7)	(22.1)	(16.2)	(43.0)	(33.3)	(33.4)	(37.4)	(35.0)	(43.8)	(67.0)
Net expenditures	5,015.1	4,061.9	2,505.2	2,478.3	2,607.9	4,131.0	4,293.3	4,612.1	5,292.7	5,437.4
Manitoba										
Operating	179.1	200.0	206.2	187.5	209.3	278.8	206.2	217.1	211.9	236.1
Capital	290.2	226.5	381.6	371.3	358.5	318.9	316.7	455.3	550.3	521.5
Operating and capital	469.3	426.5	587.8	558.8	567.8	597.8	522.9	672.4	762.2	757.6
Transfer payments	42.0	114.3	74.4	32.2	14.8	4.9	123.5	138.0	180.8	148.3
Gross expenditures	511.3	540.8	662.2	591.0	582.6	602.7	646.4	810.4	943.0	905.9
Federal transfers to provinces/territories ¹	(1.5)	(0.7)	0.0	0.0	0.0	(41.8)	89.3	90.3	83.8	74.7
Net expenditures	509.8	540.1	662.2	591.0	582.6	560.9	735.7	900.7	1,026.8	980.6

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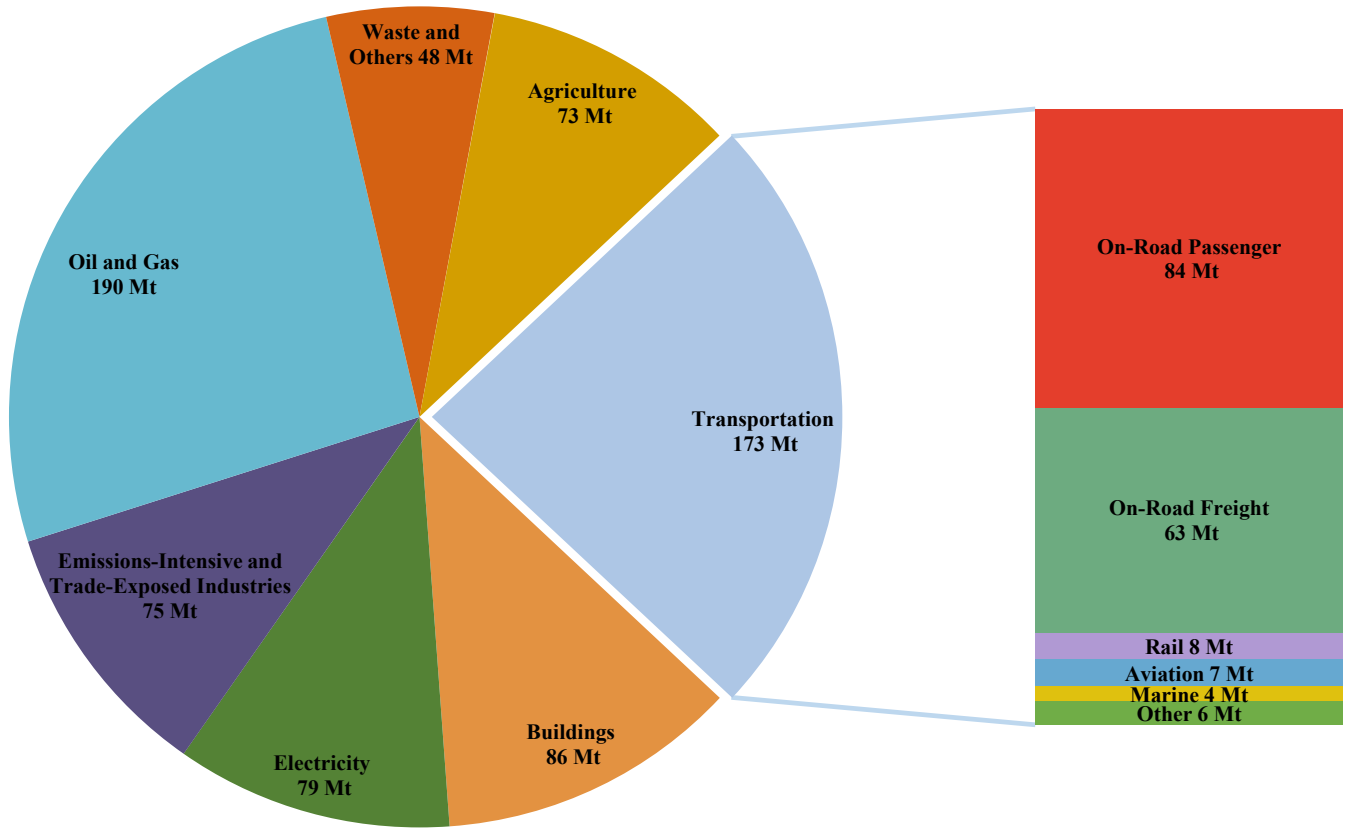
	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
Saskatchewan										
Operating	249.7	255.8	254.8	226.6	275.5	241.3	240.4	265.2	236.6	243.7
Capital	183.3	215.4	260.2	302.8	295.9	299.3	349.3	391.6	517.4	851.5
Operating and capital	433.0	471.2	515.0	529.4	571.5	540.6	589.7	656.8	754.0	1,095.3
Transfer payments	6.4	127.4	59.8	69.6	26.9	42.1	37.0	36.9	23.7	24.1
Gross expenditures	439.4	598.7	574.7	599.0	598.4	582.6	626.7	693.7	777.7	1,119.4
Federal transfers to provinces/territories ¹	(9.9)	(3.1)	(80.2)	(90.0)	(55.0)	(23.5)	(23.0)	(28.0)	(59.0)	(131.2)
Net expenditures	429.5	595.6	494.5	509.0	543.4	559.1	603.7	665.7	718.7	988.2
Alberta										
Operating	490.2	583.1	517.6	502.0	550.1	627.4	671.5	690.4	624.2	647.0
Capital	961.0	1,384.0	1,359.6	1,244.4	1,307.9	1,209.0	1,038.7	1,132.0	1,436.0	908.5
Operating and capital	1,451.2	1,967.1	1,877.1	1,746.5	1,858.1	1,836.4	1,710.2	1,822.3	2,060.2	1,555.6
Transfer payments	486.7	363.3	1,283.0	938.5	865.9	751.8	694.2	430.2	429.3	325.4
Gross expenditures	1,937.9	2,330.4	3,160.1	2,684.9	2,724.0	2,588.1	2,404.4	2,252.5	2,489.5	1,881.0
Federal transfers to provinces/territories ¹	(122.3)	(37.0)	(306.9)	(577.2)	(417.5)	(342.9)	(204.1)	(286.5)	(232.6)	(273.1)
Net expenditures	1,815.6	2,293.4	2,853.2	2,107.7	2,306.5	2,245.2	2,200.3	1,966.1	2,256.9	1,607.9
British Columbia										
Operating	687.0	882.2	892.8	1,096.5	876.2	946.5	1,035.0	1,253.6	1,149.0	1,045.9
Capital	1,261.9	885.0	923.1	1,084.7	925.3	1,008.9	1,020.0	826.0	873.0	827.6
Operating and capital	1,948.9	1,767.2	1,815.9	2,181.2	1,801.5	1,955.4	2,055.0	2,079.6	2,022.0	1,873.5
Transfer payments	777.3	456.8	490.6	487.6	495.5	415.6	393.5	387.8	435.5	460.6
Gross expenditures	2,726.2	2,224.0	2,306.5	2,668.8	2,297.0	2,371.0	2,448.5	2,467.4	2,457.5	2,334.1
Federal transfers to provinces/territories ¹	(76.5)	(203.8)	(225.7)	(323.8)	(172.5)	(174.5)	(155.2)	(121.4)	(191.7)	(141.1)
Net expenditures	2,649.7	2,020.2	2,080.8	2,345.0	2,124.5	2,196.5	2,293.3	2,346.0	2,265.8	2,193.0
Yukon										
Operating	44.7	48.2	48.4	48.1	50.9	54.6	59.6	62.6	64.4	64.7
Capital	51.5	59.4	67.9	51.5	48.3	59.0	53.0	62.3	55.9	53.5
Operating and capital	96.3	107.6	116.3	99.6	99.2	113.5	112.6	124.9	120.3	118.2
Transfer payments	0.0	0.1	0.0	0.0	0.0	0.0	1.0	0.5	0.5	0.7
Gross expenditures	96.3	107.6	116.3	99.7	99.3	113.6	113.5	125.4	120.8	119.0
Federal transfers to provinces/territories ¹	(3.4)	(1.2)	(13.9)	(13.3)	(8.5)	(8.2)	(5.7)	(19.1)	(15.1)	(21.2)
Net expenditures	92.9	106.5	102.4	86.4	90.8	105.4	107.9	106.3	105.8	97.8
Northwest Territories										
Operating	64.5	68.4	70.8	104.6	112.8	114.1	120.1	120.7	127.6	123.6
Capital	34.4	56.8	94.1	248.2	97.7	90.9	121.5	140.4	115.7	88.1
Operating and capital	98.9	125.2	164.9	352.8	210.4	204.9	241.6	261.0	243.3	211.7
Transfer payments	0.0	0.0	0.0	0.0	0.0	0.0	19.3	88.0	81.6	66.1
Gross expenditures	98.9	125.2	164.9	352.8	210.4	204.9	260.9	349.0	324.9	277.8
Federal transfers to provinces/territories ¹	(19.3)	(22.3)	(4.5)	(42.4)	(23.5)	(40.1)	(19.3)	(88.0)	(81.6)	(66.1)
Net expenditures	79.6	102.8	160.4	310.4	186.9	164.8	241.6	261.0	243.2	211.7
Nunavut										
Operating	13.7	14.0	14.1	19.2	20.7	24.7	26.7	24.7	27.5	28.2
Capital	24.2	23.9	14.2	13.1	16.1	16.6	73.5	63.1	92.4	70.2
Operating and capital	37.9	37.8	28.3	32.3	36.8	41.3	100.2	87.8	119.9	98.4
Transfer payments	9.7	8.0	4.9	7.8	2.4	18.5	23.5	3.4	6.7	0.0
Gross expenditures	47.6	45.8	33.2	40.1	39.2	59.8	123.7	91.2	126.6	98.4
Federal transfers to provinces/territories ¹	(9.7)	(8.0)	(4.9)	(22.8)	(17.4)	(18.5)	(23.5)	(3.4)	(6.7)	0.0
Net expenditures	37.9	37.8	28.3	17.3	21.8	41.3	100.2	87.8	119.9	98.4
Total (all provinces/territories)										
Operating	4,694.8	5,495.4	4,202.0	4,435.9	4,669.5	6,499.3	9,029.2	9,233.7	10,217.3	10,114.1
Capital	7,745.0	8,701.5	7,664.6	8,454.4	8,042.9	8,746.1	8,670.1	8,270.5	8,713.9	9,458.5
Operating and capital	12,439.8	14,196.9	11,866.6	12,890.3	12,712.4	15,245.4	17,699.4	17,504.2	18,931.2	19,572.6
Transfer payments	4,310.0	2,659.0	3,829.3	3,445.5	3,386.5	4,563.6	4,782.2	5,118.2	5,575.7	5,564.1
Gross expenditures	16,749.8	16,855.9	15,695.9	16,335.8	16,098.8	19,809.0	22,481.6	22,622.4	24,506.9	25,136.7
Federal transfers to provinces/territories ¹	(472.3)	(388.0)	(779.3)	(1,330.6)	(966.4)	(1,066.0)	(550.2)	(673.7)	(763.0)	(816.0)
Net expenditures	16,277.5	16,467.8	14,916.7	15,005.2	15,132.4	18,743.0	21,931.3	21,948.7	23,743.9	24,320.6

Note:

1 Estimation of transportation-related transfer payments received (as reported by provincial/territorial respondents).

Sources: As reported by provinces and territories. In cases where no data has been reported by the province or territory, data has estimated using provincial/territorial Public Accounts or other published sources, or has been estimated or carried forward from the previous period.

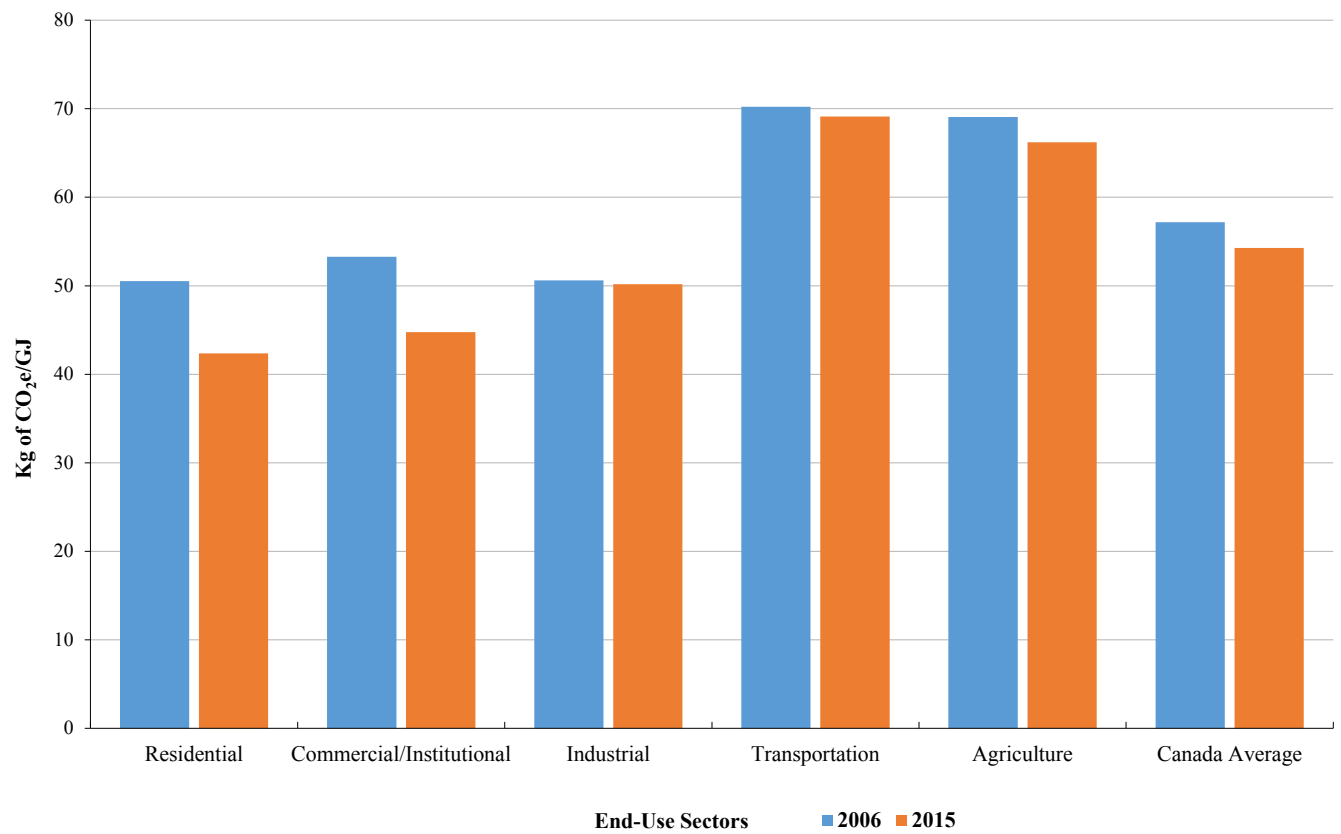
Figure EN1: Greenhouse Gas Emissions, by Economic Sector, 2015



Notes: Mt CO₂e = Megatonnes of carbon dioxide equivalent. Totals may not add up due to rounding.

Source: Environment and Climate Change Canada, Canada's 2017 Greenhouse Gas Emissions Reference Case

Figure EN2: Greenhouse Gas Intensity of End-Use Sectors, 2006 and 2015



Note: Kg of CO₂e/GJ= Kilograms of carbon dioxide per gigajoule.

Source: Natural Resources Canada, Office of Energy Efficiency, Comprehensive Energy Use Database 1990-2015

Table EN3: Transportation Energy Consumption, by Type and Mode, 2007–2016

(Petajoules, except where indicated)

	2007 ^R	2008 ^R	2009 ^R	2010 ^R	2011 ^R	2012 ^R	2013 ^R	2014 ^R	2015 ^R	2016 ^P
Overall final energy demand (all sectors and fuels)¹	7,731	7,670	7,366	7,553	7,820	7,788	7,975	8,080	8,018	7,953
Transportation²	2,492	2,479	2,443	2,537	2,524	2,547	2,611	2,572	2,555	2,530
<i>Transportation share of overall demand (per cent)</i>	<i>32.2</i>	<i>32.3</i>	<i>33.2</i>	<i>33.6</i>	<i>32.3</i>	<i>32.7</i>	<i>32.7</i>	<i>31.8</i>	<i>31.9</i>	<i>31.8</i>
Transportation subtotals by mode										
Railways	95	100	65	85	97	97	94	96	92	84
Airlines	218	205	190	198	204	239	249	246	252	257
Marine	129	125	122	129	104	98	94	84	78	74
Road transport and urban transit ³	346	348	369	421	424	446	434	442	424	379
Retail pump sales	1,635	1,653	1,654	1,670	1,655	1,628	1,685	1,660	1,660	1,691
Manufacturing/Commercial fleets	69	48	42	35	40	39	54	43	49	46
Transportation Demand: Breakdown by fuel and mode⁴										
Gasoline										
Retail pump sales	1,356	1,347	1,354	1,365	1,336	1,329	1,362	1,339	1,369	1,423
Road transport, urban transit and other fleets ⁵	51	45	56	67	66	75	79	79	85	75
Diesel										
Retail pump sales	276	304	298	301	317	298	323	318	289	265
Road transport, urban transit and other fleets ⁵	344	331	337	369	376	386	390	389	372	333
Railways	95	100	65	84	96	97	93	95	91	83
Marine	41	37	31	36	37	32	30	29	33	37
Natural gas										
Retail pump sales and fleets	2	2	2	2	2	2	1	4	4	4
Gas plant natural gas liquids (NGL's)										
Road transport and urban transit ³	14	14	12	13	14	15	12	10	11	12
Electricity										
Road transport and urban transit ³	3	4	3	4	4	4	4	3	3	3
Aviation fuels										
Aviation turbo fuels	217	204	188	196	202	237	248	244	250	255
Aviation gasoline	1	1	1	1	1	1	1	1	2	2
Heavy fuel oils										
Marine	84	85	87	86	61	63	59	51	41	N/A
Other fuels										
Air, marine, rail and road transport	7	6	7	13	12	8	8	8	6	38

Notes: R= Revised data. P= Preliminary data. N/A= Not available. The entire data series was revised at source.

1 Including both primary and secondary energy demand.

2 In this sector, only the use of fuel by the transportation industry for transportation purposes are included, and not fuel used to power transportation structures and equipment. Fuel used to power pipelines is excluded. Gasoline and diesel fuel use for fleets that are owned by manufacturing and commercial firms are included. Data cells that are suppressed by the source are not included in the subtotals.

3 Establishments primarily engaged in truck transport services, in the operation of urban, interurban and rural transit systems, school buses, charter and sightseeing buses, taxis and limousine services to airports and stations.

4 Components might not sum up to the total due to rounding, data suppressed by the source, statistical discrepancies, and immaterial alternative fuels that are not covered.

5 Including manufacturing and commercial fleets as noted above. Agriculture, government and other sectors are excluded. Data cells that are suppressed by the source are assumed to be zero.

Source: Statistics Canada, CANSIM Table 128-0016

Table EN4: Total Transportation Greenhouse Gas Emissions, All Modes, 2000–2020

(Mt CO ₂ e)							
<i>Year</i>	<i>Aviation^R</i>	<i>Rail^R</i>	<i>Marine^R</i>	<i>On-Road Passenger^R</i>	<i>On-Road Freight^R</i>	<i>Other^R</i>	<i>Total^R</i>
2000	7.8	6.6	5.0	80.5	37.9	9.0	146.7
2001	7.2	6.6	5.5	82.0	40.1	7.7	149.1
2002	7.0	6.1	5.5	83.9	40.0	7.5	150.0
2003	7.1	6.1	6.4	85.0	42.7	7.7	154.9
2004	7.6	6.3	6.8	85.9	45.2	7.8	159.6
2005	7.7	6.7	6.5	85.9	49.6	6.8	163.2
2006	7.9	7.0	6.0	85.2	51.0	6.8	163.9
2007	7.9	7.5	6.6	85.3	53.8	7.0	168.2
2008	7.4	8.0	6.4	83.7	55.6	7.1	168.2
2009	6.5	5.2	6.6	84.2	53.9	6.8	163.2
2010	6.5	6.7	6.9	85.6	58.3	7.1	171.1
2011	6.4	7.7	5.7	84.0	61.3	6.2	171.3
2012	7.4	7.7	5.7	83.2	63.1	6.1	173.2
2013	7.6	7.4	5.2	85.1	65.0	6.0	176.3
2014	7.3	7.6	4.9	82.8	63.8	6.3	172.9
2015	7.4	7.6	4.4	83.9	63.2	6.5	173.0
2016 ^F	7.6	7.5	4.4	82.1	63.1	6.5	171.3
2017 ^F	7.6	7.6	4.3	80.9	63.7	6.6	170.8
2018 ^F	7.7	7.8	4.3	79.7	64.0	6.7	170.2
2019 ^F	7.7	8.0	4.3	78.3	64.2	6.8	169.2
2020 ^F	7.7	8.1	4.2	76.7	64.4	6.9	168.1

Notes: R= Revised data. F= Forecast. Mt CO₂e= Megatonnes of carbon dioxide equivalent.

Source: Environment and Climate Change Canada, Canada's 2017 Greenhouse Gas Emissions Reference Case

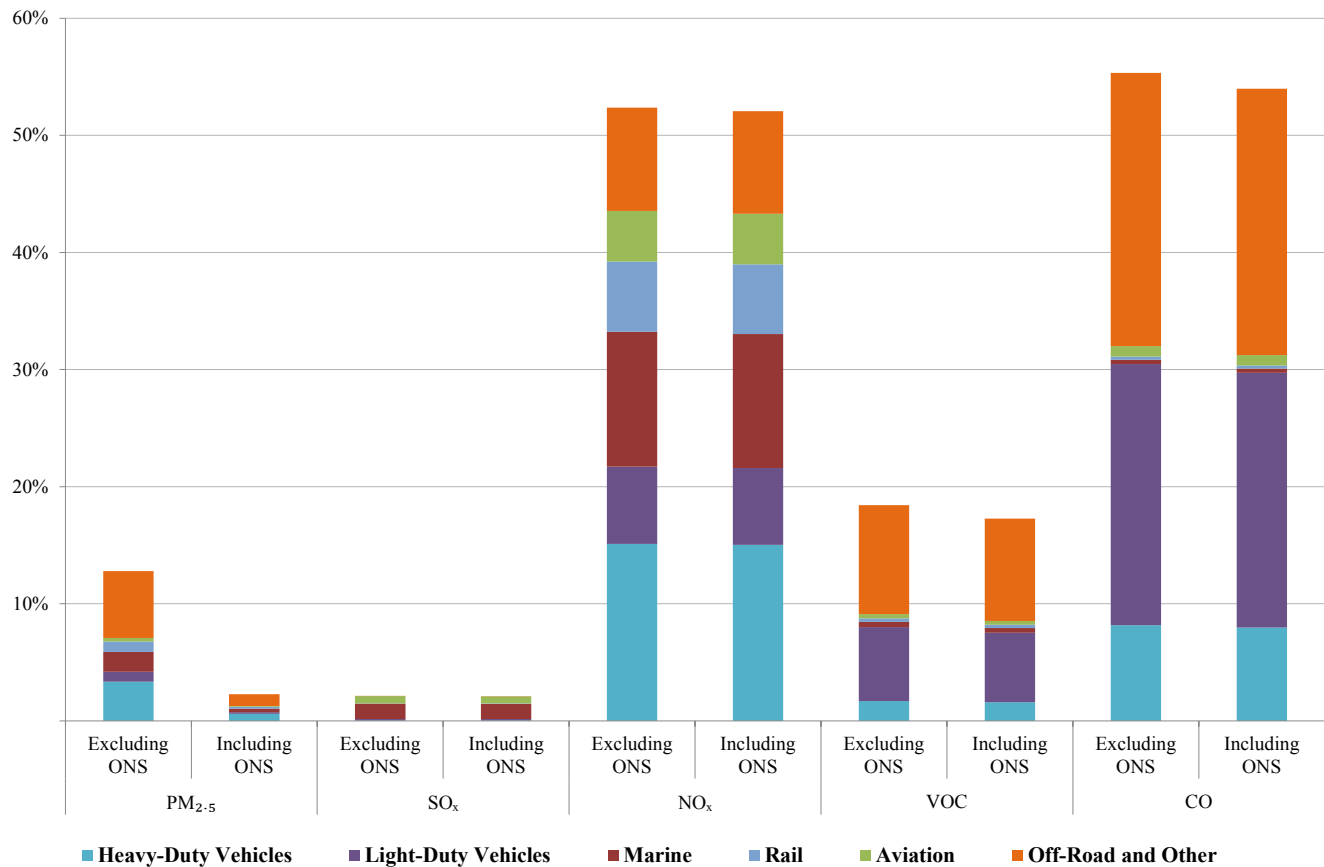
Table EN5: Air Pollutant Emissions from the Transportation Sector, by Type of Pollutant, 2007–2016

(Kilotonnes)					
<i>Year</i>	<i>SO_x</i>	<i>NO_x</i>	<i>PM_{2.5}</i>	<i>VOC</i>	<i>CO</i>
2007 ^R	130	1,348	74	634	4,792
2008 ^R	124	1,297	72	617	4,554
2009 ^R	118	1,176	66	566	4,285
2010 ^R	115	1,207	68	550	4,166
2011 ^R	116	1,179	60	431	3,716
2012 ^R	116	1,126	55	392	3,462
2013 ^R	117	1,100	53	370	3,395
2014 ^R	116	1,055	51	352	3,262
2015 ^R	22	995	40	337	3,194
2016	22	944	36	314	3,115

Notes: R= Revised data. SO_x= Sulphur oxide. NO_x= Nitrogen oxide. PM_{2.5}= Particulate matter less than or equal to 2.5 microns. VOC= Volatile organic compounds. CO= Carbon monoxide.

Source: Environment and Climate Change Canada, Air Pollutant Emissions Inventory

Figure EN6: Transportation Mode Share of Air Pollutant Emissions, 2016



Notes: ONS= Open and Natural Sources. SO_x= Sulphur oxide. NO_x= Nitrogen oxide. VOC= Volatile organic compounds. CO= Carbon monoxide. PM_{2.5}= Particulate matter less than or equal to 2.5 microns.

Sources: Environment and Climate Change Canada, National Pollutant Release Inventory; Environment and Climate Change Canada

Table EN7: Aviation Greenhouse Gas Emission Intensity, by Region of Operation, 2007–2016

Region of Operation	Units	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Domestic	kg CO ₂ eq/1,000 RTK	N/A	N/A	N/A	N/A	N/A	1,161	1,151	1,100	1,089	1,047
International	kg CO ₂ eq/1,000 RTK	N/A	N/A	N/A	N/A	N/A	876	865	847	847	827
Overall	kg CO ₂ eq/1,000 RTK	1,006	1,019	1,002	982	976	960	951	923	916	886

Note: RTK= Revenue tonne-kilometre. RPK = Revenue passenger-kilometre. N/A= Not available.

RTK includes the weight of cargo and passengers. Passenger RTK is calculated by multiplying RPK by 100kg, which is the industry’s conventional assumption of the average weight per passenger, including baggage.

Source: Canada’s Aviation Action Plan Annual Reports

Table EN8: Aviation Fuel Consumption, by Region of Operation, 2007–2016

(millions of litres)

Region of Operation	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Domestic	N/A	N/A	N/A	N/A	N/A	2,221	2,289	2,344	2,383	2,415
International	N/A	N/A	N/A	N/A	N/A	4,035	4,025	4,235	4,640	5,140
Total	5,543	5,575	5,098	5,659	6,089	6,256	6,314	6,579	7,023	7,555

Note: N/A= Not available.

Source: Canada’s Aviation Action Plan Annual Reports

Table EN9: National Aerial Surveillance Program Key Metrics, 2007/08–2016/17

<i>Fiscal Year</i>	<i>Patrol Hours</i>	<i>Vessel Over-Flights</i>	<i>Pollution Sightings</i>	<i>Oil Volume (litres)</i>
2007 - 2008	2,578	13,038	151	3,130
2008 - 2009	2,340	9,947	183	2,863
2009 - 2010	2,274	11,262	109	8,111
2010 - 2011	2,506	12,365	84	9,189
2011 - 2012	2,063	12,032	135	1,014
2012 - 2013	2,080	10,134	97	7,813
2013 - 2014	3,877	19,989	214	4,453
2014 - 2015	3,842	19,551	322	3,173
2015 - 2016	2,931	17,427	380	7,942
2016 - 2017	2,068	12,461	246	2,870

Source: Transport Canada, Marine Safety

Table EN10: Rail Greenhouse Gas Emission Intensity, by Type of Operation, 2006–2015

<i>Railway Operation</i>	<i>Units</i>	<i>2006^R</i>	<i>2007^R</i>	<i>2008^R</i>	<i>2009^R</i>	<i>2010^R</i>	<i>2011^R</i>	<i>2012^R</i>	<i>2013^R</i>	<i>2014^R</i>	<i>2015^R</i>
Class I Freight	kg CO ₂ eq/1,000 RTK	17.31	17.23	17.52	16.85	16.35	16.08	15.72	14.88	14.37	14.07
Regional and Short Lines	kg CO ₂ eq/1,000 RTK	14.69	15.14	15.77	14.13	15.13	14.80	13.37	13.51	11.11	16.75
Intercity Passenger	kg CO ₂ eq/RPK	0.13	0.13	0.12	0.13	0.12	0.12	0.11	0.10	0.10	0.10
Commuter Rail	kg CO ₂ eq/Passenger	1.69	1.70	1.69	1.94	2.05	2.18	2.15	2.07	2.07	2.34

Notes: R= Revised data. RTK = Revenue Tonne Kilometres. RPK = Revenue passenger-kilometre.

Source: Railway Association of Canada, Locomotive Emissions Monitoring Program

Table EN11: Railway Fuel Consumption, 2007–2016

	<i>(Millions of litres)</i>										
	<i>2007^R</i>	<i>2008^R</i>	<i>2009^R</i>	<i>2010^R</i>	<i>2011^R</i>	<i>2012^R</i>	<i>2013^R</i>	<i>2014^R</i>	<i>2015^R</i>	<i>2016</i>	
Class I	2,034.7	1,976.2	1,691.3	1,848.7	1,810.8	1,972.5	1,937.8	2,024.7	1,952.8	1,827.7	
Regional	60.6	60.9	31.9	35.7	39.1	38.8	37.4	35.3	34.7	34.1	
Short Line	96.8	63.3	46.6	48.6	50.6	47.0	47.1	47.7	46.0	43.4	
Total	2,192.2	2,100.4	1,769.8	1,933.0	1,900.6	2,058.3	2,022.2	2,107.6	2,033.4	1,905.2	

Note: R = Revised data.

Sources: Transport Canada, Statistics Canada

TRANSPORTATION SAFETY AND SECURITY

Table S1: Summary of Transportation Safety Statistics for Aviation, Marine, Rail, Road and TDG, 2008–2017

		<i>Aviation</i> ¹	<i>Marine</i> ²	<i>Rail</i> ³	<i>Road</i> ^{4R}	<i>TDG</i> ⁵
Accidents	2017 ^P	190	81	1,091	N/A	443
	2016 ^R	186	94	898	117,673	300
	2015 ^R	206	75	1,044	118,060	334
	2014 ^R	189	65	1,047	116,278	385
	2013 ^R	233	63	1,095	122,143	396
	2012 ^R	222	96	1,049	124,683	401
	2011 ^R	211	97	1,072	124,199	345
	2010 ^R	235	121	1,116	125,636	304
	2009 ^R	231	129	1,055	125,456	326
	2008 ^R	232	145	1,199	129,764	436
Fatalities	2017 ^P	28	11	77	N/A	1
	2016 ^R	29	7	66	1,898	2
	2015 ^R	35	19	46	1,860	0
	2014 ^R	13	12	56	1,848	1
	2013 ^R	53	18	126	1,951	50
	2012 ^R	52	14	81	2,075	0
	2011 ^R	57	16	71	2,023	0
	2010 ^R	66	18	81	2,238	0
	2009 ^R	64	15	71	2,216	0
	2008 ^R	44	30	74	2,431	0
Accident Rates	2017 ^P	4.2	11.4	13.2	N/A	N/A
	2016 ^R	4.1	15.4	11.3	0.8	N/A
	2015 ^R	4.8	12.4	12.3	0.8	N/A
	2014 ^R	4.4	10.6	12.0	0.8	N/A
	2013 ^R	5.4	10.2	13.0	0.8	N/A
	2012 ^R	5.1	15.8	12.1	0.9	N/A
	2011 ^R	4.9	16.7	12.6	0.9	N/A
	2010 ^R	5.9	19.0	13.3	1.0	N/A
	2009 ^R	6.0	23.2	13.5	1.0	N/A
	2008 ^R	5.5	22.3	13.2	1.2	N/A

Notes: R= Revised data. P= Preliminary data. N/A= Not available. TDG= Transportation of dangerous goods.

Comparing accident numbers between modes: The reader should be cautioned in making comparisons across modes as the source and criteria for reporting accidents/incidents can vary from mode to mode. For example, the definitions of a Transportation Safety Board (TSB) reportable accident and incident vary among aviation, marine and rail. The type of risk exposure, frequency and magnitude of an accident, including the impact on public perception of safety, also vary. The TDG program, which includes accidents at the modal transportation facilities, does not cover dangerous goods transported in bulk on ships (as well as by pipeline) and therefore limits the type of data comparisons that can be made between in-transit TDG accidents across modes.

Comparing accident rates within and between modes and data limitations: The available activity measures (also referred to as risk exposure or denominator data) and accident numbers (nominator) for determining the rate are also particular to each mode and have their own set of limitations. For marine, data are collected only for commercial vessels over 15 gross tons. In addition, there have been data collection changes over the years. The unit of million vessel-kilometres is being used for the ten-year accident rates for marine. For road, the available casualty rates are based on the number of registered vehicles rather than kilometres. For aviation, hours flown is more representative of risk exposure.

The ten-year trend for rail is available per million train-miles. For all four modes, therefore, the available denominator for measuring activity ranges in the degree of representation of all modal accidents. In addition, some available denominators must be estimated to account for data reporting changes in a certain year or for data lag for the most recent year.

The approximate exposure/activity level estimates for the transportation of dangerous goods lack the precision to provide reasonable accident rate trends. That said, the above denominators not only provide the approximate trends and point to changes in the exposure to risk, with other types of denominators available within the modal operations and for the TDG, they also provide a contextual foundation for the accident (nominator) data.

Comparing time periods: The data reported are preliminary for 2017, as accident/incident reports can be received or revised and updated after the annual report is finalized. The difference between the final and preliminary accident totals has historically been insignificant (e.g. about one per cent) for rail, marine and aviation. For road, collisions reported to the police are collected by the provinces/territories and provided to Transport Canada to develop the national casualty collision statistics. The one calendar year delay is due to the inherent difficulties in handling the collection and processing of high volumes of data (over 600,000 crash cases annually) and the compiling and release of statistics at the jurisdictional and then at the national levels.

In addition, the long-term comparisons can be affected to varying degrees by the industry, government or system-wide changes (e.g. industry restructuring, government devolution and commercialization of operations; regulatory changes, such as accident reporting requirements; and system improvements, including introduction of new technologies).

Comparing fatality numbers: The ten-year trends on annual fatality totals for marine and aviation, which show high fluctuations for some years, may be indicative of the high impact of rare multi-casualty fatal accidents in that year. This is in contrast to road, where the impact of multi-casualty collisions (e.g. pile-ups) on the comparatively very high annual total fatalities is proportionately low. For rail, the total annual fatalities can be influenced by fluctuations in trespasser fatalities, which account for the highest share of the total among all categories of fatal rail accidents.

1 Canadian-registered aircraft, other than ultra-lights, and based on the Canadian Aviation Regulations (CARs). Accidents involving aircraft are not operating in accordance with CARs (i.e. military and state aircraft) are not included. Accident rates per 100,000 hours flown.

2 Fatalities involving all Canadian commercial vessels and Foreign vessels in Canadian waters. Accidents and Accident rates (per million vessel-kilometres) for all Canadian commercial vessels, excluding all fishing vessels, passenger vessels and vessels under 15 GT (gross tons). For statistics on all vessel accidents, see Table S12.

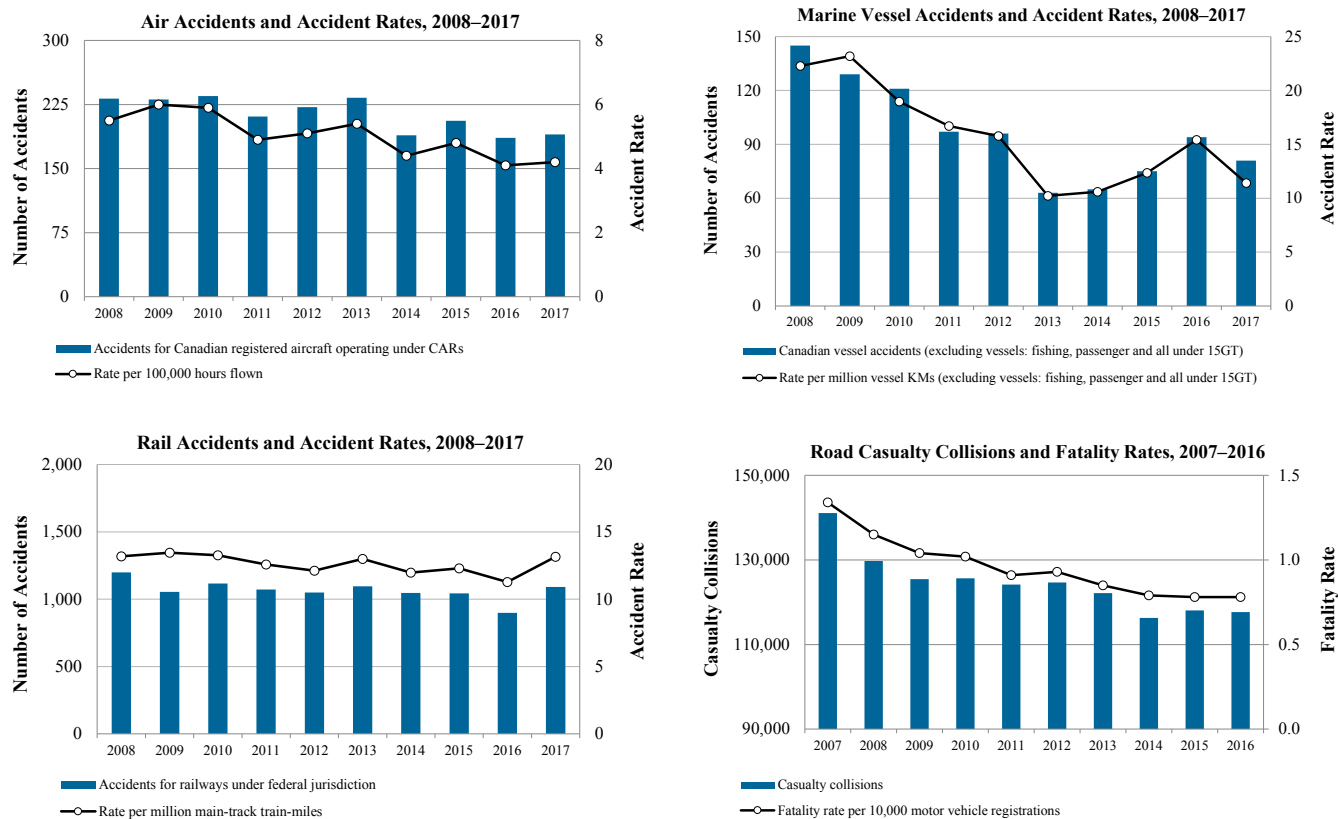
3 Railways under federal jurisdiction. Accident rates are per million train-miles. Train-miles include main track-miles and yard switching-miles.

4 Road accident rates refer to fatality rates per 10,000 motor vehicle registrations. Road accidents are casualty collisions, which exclude collisions in which only property is damaged.

5 TDG = Accidents where transportation of dangerous goods (TDG) was involved. Fatality data relate to only those deaths caused by the dangerous goods. The TDG program does not cover dangerous goods transported in bulk on ships or by pipeline. Dangerous goods accidents are "reportable" when the quantity of dangerous goods released exceeds the amount listed in the table contained in Part 8 of the TDG Regulations. TDG accidents can occur while dangerous goods are being transported, while they are handled, or during temporary storage pending transport.

Sources: Transportation Safety Board, Transport Canada and Statistics Canada

Figure S2: Accidents and Accident Rates per Activity Measure for Rail, Road, Marine and Aviation, 2007–2017



Notes: Road data on accidents and casualties were not available for 2017. CARs= Canadian Aviation Regulations. GT = gross tons.

Sources: Transportation Safety Board, Transport Canada and Statistics Canada

Table S3: Railways Under Federal Jurisdiction, Accidents and Incidents, 2008–2017

	<i>Average</i>										
Accident Type	2008 ^R	2009 ^R	2010 ^R	2011 ^R	2012 ^R	2013 ^R	2014 ^R	2015 ^R	2016 ^R	2017 ^P	2008–2017
Crossing collision	223	188	180	171	192	184	185	165	133	143	176.4
Trespasser accident	71	71	81	66	71	56	54	50	70	80	67.0
Main-track train derailment	129	67	82	110	67	84	100	74	58	81	85.2
Main-track train collision	7	5	4	3	6	4	9	4	5	3	5.0
Non-main-track train derailment	589	509	576	522	530	549	481	522	431	525	523.4
Non-main-track train collision	92	95	94	89	101	93	106	92	69	103	93.4
Derailment involving track unit	5	20	11	10	7	18	7	11	7	24	12.0
Collision involving track unit	22	30	25	24	18	23	20	32	16	21	23.1
Employee accident	11	12	9	10	5	8	9	9	11	13	9.7
Passenger accident	1	0	0	1	2	0	3	6	5	4	2.2
Rolling stock with object	6	15	4	19	18	32	22	21	39	45	22.1
Rolling stock with abandoned vehicle	15	10	9	4	7	10	2	6	7	3	7.3
Rolling stock damage without derailment/collision	16	13	11	20	8	23	13	20	12	12	14.8
Fire	12	20	30	23	17	11	36	32	35	33	24.9
Other accidents	0	0	0	0	0	0	0	0	0	1	0.1
Total Accidents	1,199	1,055	1,116	1,072	1,049	1,095	1,047	1,044	898	1,091	1,066.6
Incident Type											
Main-track switch in abnormal position	13	4	5	10	5	7	6	12	7	12	8.1
Movement exceeds limits of authority	111	106	101	118	120	98	129	142	133	122	118.0
Signal less restrictive than required	3	1	4	3	1	1	2	5	1	1	2.2
Unprotected overlap of authorities	7	7	4	7	5	4	5	6	4	2	5.1
Runaway rolling stock	16	13	5	16	13	14	11	14	10	14	12.6
Crew member incapacitated	2	0	1	0	1	6	2	2	1	4	2.4
Dangerous goods leakage	64	78	68	79	93	94	63	33	30	39	64.1
Main-track train derailment ¹	N/A	N/A	N/A	N/A	N/A	N/A	2	3	6	3	3.5
Non-main-track train derailment ¹	N/A	N/A	N/A	N/A	N/A	N/A	166	125	97	66	113.5
Non-main-track train collision ¹	N/A	N/A	N/A	N/A	N/A	N/A	8	4	4	2	4.5
Derailment involving track unit ¹	N/A	N/A	N/A	N/A	N/A	N/A	7	10	13	5	8.8
Rolling stock with object ²	N/A	N/A	N/A	N/A	N/A	N/A	6	10	14	3	8.3
Rolling stock with abandoned vehicle ²	N/A	N/A	N/A	N/A	N/A	N/A	1	5	5	0	2.8
Other incidents	N/A	N/A	N/A	N/A	N/A	N/A	0	2	0	1	0.3
Total Incidents	216	209	188	233	238	224	408	373	325	274	268.8
Million Train-Miles (MTM)³	90.9	78.4	84.1	85.3	86.6	84.3	87.4	85.0	79.6	82.9	84.5
Accidents per MTM - Accident Rate	13.2	13.5	13.3	12.6	12.1	13.0	12.0	12.3	11.3	13.2	12.6
Accident Fatalities											
Crossing collision	28	19	24	25	33	30	21	15	19	19	23.3
Trespasser accident	45	52	55	43	44	42	32	30	47	53	44.3
Other	1	0	2	3	4	52	3	1	0	5	7.1
Total Fatalities	74	71	81	71	81	124	56	46	66	77	74.7
Accident Injuries											
Crossing collision	37	21	28	22	32	27	29	18	24	22	26.0
Trespasser accident	20	15	19	21	22	10	21	17	20	22	18.7
Other	8	14	17	9	19	2	3	15	12	21	12.0
Total Injuries	65	50	64	52	73	39	53	50	56	65	56.7
Dangerous Goods Involved in Accidents											
Passenger Train Accidents	73	69	60	68	47	45	48	46	57	51	56.4
Passenger Train-Miles (PTM) ⁴	6.8	6.7	6.6	6.5	6.3	6.1	6.0	6.1	6.5	5.9	6.4
Passenger Rate	10.7	10.4	9.0	10.4	7.5	7.4	8.1	7.5	8.7	8.7	8.8

Notes: R= Revised data. P= Preliminary data. N/A= Not available.

The reported occurrences cover only railways under federal jurisdiction. Final figures over preliminary and estimated figures historically have changed less than one per cent. Fatalities and serious injuries involved in incidents are not included in the Fatality and Serious Injury totals. For accident and reportable incident definitions, see Transportation Safety Board Regulation website: <http://www.tsb.gc.ca/eng/stats/rail/2016/sser-ssro-2016.asp>.

New TSB regulations came into effect on July 1, 2014, changing some reporting requirements: 1 = No Damage, 2 = No Derailment & No Damage.

3 Train-miles include main-track-miles and yard-switching-miles.

4 PTM = Passenger train-miles; figures are estimated.

Sources: Transport Canada, adapted from the Transportation Safety Board, Transport Canada (activity data)

Table S4: Railways Under Federal Jurisdiction, Accidents by Province/Territory, 2008–2017

<i>Province/Territory</i>	<i>Data</i>	<i>2008^R</i>	<i>2009^R</i>	<i>2010^R</i>	<i>2011^R</i>	<i>2012^R</i>	<i>2013^R</i>	<i>2014^R</i>	<i>2015^R</i>	<i>2016^R</i>	<i>2017^P</i>	<i>Average 2008–2017</i>
Alberta	Occurrences	254	232	247	211	271	275	246	185	153	198	227.2
	Fatalities	6	6	12	7	12	13	7	6	8	8	8.5
	Serious Injuries	12	10	13	9	12	6	9	10	10	11	10.2
British Columbia	Occurrences	207	172	178	181	167	181	170	186	164	208	181.4
	Fatalities	4	9	10	8	8	8	11	8	17	11	9.4
	Serious Injuries	9	11	10	14	10	4	10	14	10	15	10.7
Manitoba	Occurrences	114	118	144	132	134	115	123	122	101	119	122.2
	Fatalities	4	4	4	3	5	2	2	2	4	3	3.3
	Serious Injuries	7	3	8	4	9	1	8	2	7	8	5.7
New Brunswick	Occurrences	25	18	19	24	13	9	26	24	21	12	19.1
	Fatalities	2	3	1	3	2	1	0	1	2	0	1.5
	Serious Injuries	1	0	0	1	0	0	0	0	1	0	0.3
Newfoundland and Labrador	Occurrences	1	4	4	3	4	3	0	9	14	17	5.9
	Fatalities	0	0	0	0	0	0	0	0	0	0	0.0
	Serious Injuries	0	0	0	0	0	0	0	0	0	0	0.0
Northwest Territories and Nunavut	Occurrences	0	4	0	2	0	2	1	1	0	1	1.1
	Fatalities	0	0	0	0	0	0	0	0	0	0	0.0
	Serious Injuries	0	0	0	0	0	0	0	0	0	0	0.0
Nova Scotia	Occurrences	7	9	7	4	6	3	5	6	6	12	6.5
	Fatalities	0	1	1	0	0	0	0	0	2	1	0.5
	Serious Injuries	1	0	2	0	0	0	0	0	0	0	0.3
Ontario	Occurrences	333	289	270	258	201	232	238	259	210	254	254.4
	Fatalities	36	33	35	36	33	39	20	18	22	33	30.5
	Serious Injuries	24	12	12	14	31	18	9	12	14	19	16.5
Quebec	Occurrences	146	117	124	130	129	110	114	149	134	162	131.5
	Fatalities	17	8	11	12	9	53	13	9	5	18	15.5
	Serious Injuries	3	8	15	7	4	4	8	3	10	9	7.1
Saskatchewan	Occurrences	112	92	123	127	124	165	124	103	95	108	117.3
	Fatalities	5	7	7	2	12	8	3	2	6	2	5.4
	Serious Injuries	7	6	4	3	6	5	7	7	4	3	5.2
Total Occurrences		1,199	1,055	1,116	1,072	1,049	1,095	1,047	1,044	898	1,091	1,066.6
Total Fatalities		74	71	81	71	81	124	56	46	66	76	74.6
Total Serious Injuries		64	50	64	52	72	38	51	48	56	65	56.0

Notes: R= Revised data. P= Preliminary data.

Source: Transport Canada, adapted from the Transportation Safety Board.

Table S5: Railways Under Federal Jurisdiction, Crossing and Trespasser Accidents, 2008–2017

	2008 ^R	2009 ^R	2010 ^R	2011 ^R	2012 ^R	2013 ^R	2014 ^R	2015 ^R	2016 ^R	2017 ^P	Average 2008 - 2017
Crossing Collisions	223	188	180	171	192	184	185	165	133	143	176.4
Public automated	115	101	87	89	97	107	86	79	69	70	90.0
Public passive	63	56	67	59	73	65	68	52	36	47	58.6
Private	39	30	24	15	18	10	27	28	24	21	23.6
Farm	6	1	2	8	4	2	4	6	4	5	4.2
Unknown	0	0	0	0	0	0	0	0	0	0	0.0
Trespasser Accidents	71	71	81	66	71	56	54	51	70	80	67.1
Fatalities	45	52	55	43	44	42	32	30	47	53	44.3
Serious Injuries	20	15	19	21	22	10	21	17	20	22	18.7
Alberta	6	4	9	7	9	7	10	5	11	8	7.6
British Columbia	6	12	17	13	11	8	13	12	22	18	13.2
Manitoba	4	1	3	1	2	2	2	1	4	4	2.4
New Brunswick	2	3	1	2	1	0	0	1	1	0	1.1
Newfoundland and Labrador	0	0	0	0	0	0	0	0	0	0	0.0
Nova Scotia	1	0	0	1	0	0	0	0	1	1	0.4
Ontario	37	35	35	32	31	30	21	23	25	36	30.5
Quebec	12	12	13	8	11	7	6	5	3	12	8.9
Saskatchewan	3	4	3	2	6	2	2	4	3	1	3.0

Notes: R= Revised data. P= Preliminary data.

Source: Transport Canada, adapted from the Transportation Safety Board

Table S6: Road Casualty Collisions, Fatalities and Injuries, with Rates (per 10,000 MVR and Billion Vehicle-Kilometres), 2007–2016

Year	Casualty Collisions ^{1R}	Fatalities ^{2R}	Injuries ^{3R}	MVR (thousands)	Vehicle- Kilometres (millions)	Fatality Rate/10,000 MVR	Injury Rate/10,000 MVR	Fatality Rate/ Billion Vehicle-Kms	Injury Rate ⁶ / Billion Vehicle-Kms
2007	141,070	2,753	192,745	20,593	332,275	1.3	93.6	8.3	580.1
2008	129,764	2,431	176,394	21,087	325,611	1.2	83.7	7.5	541.7
2009	125,456	2,216	170,770	21,387	333,287	1.0	79.8	6.6	512.4
2010	125,636	2,238	172,081	21,848	335,900	1.0	78.8	6.7	512.3
2011	124,199	2,023	167,741	22,247	337,433	0.9	75.4	6.0	497.1
2012 ^R	124,683	2,075	166,728	22,366	340,475	0.9	74.5	6.1	489.7
2013 ^R	122,143	1,951	164,525	23,006	352,367	0.8	71.5	5.5	466.9
2014 ^R	116,278	1,848	156,366	23,539	358,518	0.8	66.4	5.1	436.1
2015 ^R	118,060	1,860	158,706	23,924	365,854	0.8	66.3	5.1	433.8
2016 ^P	117,673	1,898	160,315	24,270	374,740	0.8	66.1	5.1	427.8
2007–2016 Average	124,496	2,129	168,637	22,427	345,646	1.0	75.6	6.2	489.8

Notes: MVR= Motor vehicle registrations. R= Revised data. E= Estimated data.

Data for Ontario are preliminary for 2015 and 2016. Newfoundland and Labrador data were estimated. New Brunswick and British Columbia data for 2016 were also estimated.

1 “Casualty collisions” exclude collisions involving property damage only.

2 “Fatalities” include all those who died as a result of involvement in a reportable traffic collision within 30 days of its occurrence.

3 “Injuries” include all those who suffered any visible injury or complained of pain.

Sources: Collision statistics: Transport Canada, Motor Vehicle Safety, National Collision Database

Motor Vehicle Registrations: 2007–2016: Statistics Canada, CANSIM, Table 405-0004

Vehicle-Kilometres: Statistics Canada, Catalogue No. 53-223-XIE, “Canadian Vehicle Survey”. Vehicle-kilometres are estimated for 2010–2016

Table S7: Road Casualty Rates (Fatalities and Injuries per Billion Vehicle-Kilometres) by Province/Territory, 2015 and 2016

	<i>Fatalities</i> ¹		<i>Injuries</i> ²	
	<i>2015^R</i>	<i>2016^P</i>	<i>2015^R</i>	<i>2016^P</i>
Canada	5.1	5.1	433.8	427.8
Newfoundland and Labrador	9.4	8.4	602.6	574.9
Prince Edward Island	12.3	7.3	354.5	389.3
Nova Scotia	4.8	4.2	246.6	423.1
New Brunswick	6.0	5.8	321.6	314.0
Quebec	4.9	4.6	499.3	491.5
Ontario	3.7	4.0	406.2	392.5
Manitoba	5.5	7.3	837.4	859.1
Saskatchewan	8.7	8.7	383.9	400.8
Alberta	5.5	4.8	297.5	269.6
British Columbia	7.6	7.4	551.6	538.5
Yukon	6.1	6.0	259.6	367.3
Northwest Territories	7.6	9.8	204.0	304.7
Nunavut	26.3	51.3	1,289.5	1,000.0

Notes: R= Revised data. E= Estimated data.

Data for Ontario are preliminary. Data for New Brunswick and Newfoundland and Labrador are estimated. Vehicle-kilometres are estimated.

1 "Fatalities" include all those who died as a result of involvement in a reportable traffic collision within 30 days of its occurrence.

2 "Injuries" include all those who suffered any visible injury or complained of pain.

Sources: *Transport Canada, Motor Vehicle Safety, National Collision Database*

Vehicle-Kilometres: Statistics Canada, Catalogue No. 53-223-XIE, "Canadian Vehicle Survey".

Table S8: Commercial and Other Vehicles Involved in Fatal Collisions, by Vehicle Type, 2011–2016

<i>Vehicle Type</i>	<i>2011</i>	<i>2012^R</i>	<i>2013^R</i>	<i>2014^R</i>	<i>2015^R</i>	<i>2011-2015</i>	<i>2016^E</i>
						<i>Average</i>	
Commercial Vehicles							
All buses	30	26	38	28	33	31	34
Straight trucks > 4,536 kg	164	153	137	143	117	143	125
Tractor-trailers	223	224	227	240	214	226	218
Total Commercial Vehicles	417	403	402	411	364	400	377
Non-commercial vehicles involved with NSC vehicles ¹	370	332	330	394	351	355	358
Total vehicles in collisions involving commercial vehicles	787	735	732	805	715	755	735
Total all other vehicles involved	2,221	2,192	2,154	1,965	1,992	2,105	2,001
Total of all vehicles involved	3,008	2,927	2,886	2,770	2,707	2,860	2,736

Notes: R= Revised data. E= Estimated data.

Data for Ontario are preliminary for 2015 and 2016. Newfoundland and Labrador data were estimated. New Brunswick and British Columbia data for 2016 were also estimated.

1 NSC= National Safety Code. Heavy vehicles are regulated by the National Safety Code and are often referred to as NSC vehicles. The NSC is a code of minimum performance standards for the safe operation of commercial vehicles, agreed to by all jurisdictions in Canada. For more information on the NSC see: <http://www.tc.gc.ca/eng/roadsafety/safevehicles-motorcarriers-safetycode-index-290.htm>

Source: *Transport Canada, Motor Vehicle Safety, National Collision Database*

Table S9: Fatalities¹ Resulting from Commercial and Other Vehicles Involved in Fatal Collisions, by Vehicle Type, 2011–2016

<i>Vehicle Type</i>	<i>2011</i>	<i>2012^R</i>	<i>2013^R</i>	<i>2014^R</i>	<i>2015^R</i>	<i>2011-2015 Average</i>	<i>2016^E</i>
All buses	2	14	10	4	3	7	3
Straight trucks > 4,536 kg	36	28	21	20	16	24	16
Tractor-trailers	29	27	33	33	28	30	29
Commercial vehicle occupant total	67	69	64	57	47	61	47
Occupants of other vehicles involved with commercial vehicles	297	272	270	300	304	289	310
Bicyclists	9	15	18	10	6	12	6
Pedestrians	54	49	53	47	40	49	41
Total fatalities in collisions involving commercial vehicles	427	405	405	414	397	409	405
Fatalities in all other collisions	1,596	1,670	1,546	1,434	1,463	1,542	1,493
Total	2,023	2,075	1,951	1,848	1,860	1,951	1,898

Notes: R= Revised data. E= Estimated data.

Data for Ontario are preliminary for 2015 and 2016. Newfoundland and Labrador data were estimated. New Brunswick and British Columbia data for 2016 were also estimated.

1 "Fatalities" include all those who died as a result of involvement in a reportable traffic collision within 30 days of its occurrence.

Source: Transport Canada, Motor Vehicle Safety, National Collision Database

Table S10: Fatalities¹ by Road User Class, 2011–2016

<i>Road User Class</i>	<i>2011^R</i>	<i>2012^R</i>	<i>2013^R</i>	<i>2014^R</i>	<i>2015^R</i>	<i>2011-2015 Average</i>	<i>2016^E</i>
Drivers	1,012	1,025	964	920	924	969	906
Passengers	389	457	369	352	361	386	358
Pedestrians	322	326	306	301	284	308	334
Bicyclists	56	63	69	42	47	55	42
Motorcyclists	173	175	198	190	200	187	207
Not stated	71	29	45	43	44	46	51
Total	2,023	2,075	1,951	1,848	1,860	1,951	1,898

Notes: R= Revised data. E= Estimated data.

Data for Ontario are preliminary for 2015 and 2016. Newfoundland and Labrador data were estimated. New Brunswick and British Columbia data for 2016 were also estimated.

1 "Fatalities" include all those who died as a result of involvement in a reportable traffic collision within 30 days of its occurrence.

Source: Transport Canada, Motor Vehicle Safety, National Collision Database

Table S11: Vehicles Involved in Fatal Collisions, by Vehicle Type, 2011–2016

<i>Vehicle Types</i>	<i>2011</i>	<i>2012^R</i>	<i>2013^R</i>	<i>2014^R</i>	<i>2015^R</i>	<i>2011-2015 Average</i>	<i>2016^E</i>
Automobile	1,521	1,416	1,356	1,222	1,273	1,358	1,277
Passenger vans	178	180	207	195	171	186	173
Light utility vehicles	36	58	45	58	70	53	71
Pickup trucks	390	380	374	405	354	381	358
Cargo vans	33	42	42	36	36	38	36
Other trucks/vans < 4,536kg	86	95	80	95	93	90	94
Trucks							
Tractor-trailers	223	224	227	240	214	226	218
Trucks > 4,536 kg	164	153	137	143	117	143	125
Bus							
School	11	4	7	5	11	8	11
Urban	6	11	14	13	12	11	12
Intercity	2	3	4	2	2	3	3
Bus unspecified	11	8	13	8	8	10	8
Motorcycles and mopeds	184	182	210	195	207	196	209
Bicycles	56	69	70	45	43	57	43
Farm and construction equipments	22	19	18	30	13	20	13
Snowmobiles	11	15	11	10	17	13	17
Streetcars	7	3	4	4	6	5	6
Motorhomes	2	1	7	4	4	4	4
Off-road vehicles	29	25	28	26	25	27	25
Fire engines	3	2	2	0	1	2	1
Others	17	22	15	13	14	16	14
Unknown vehicle types	16	15	15	21	16	17	18
Total	3,008	2,927	2,886	2,770	2,707	2,860	2,736

Notes: R= Revised data. E= Estimated data.

Data for Ontario are preliminary for 2015 and 2016. Newfoundland and Labrador data were estimated. New Brunswick and British Columbia data for 2016 were also estimated.

Source: Transport Canada, Motor Vehicle Safety, National Collision Database

Table S12: Marine Occurrences, 2008–2017

	2008	2009	2010	2011	2012	2013	2014	2015 ^R	2016 ^R	2017 ^P	Average 2008 - 2016
Canadian Vessels											
Accidents	335	293	274	243	209	253	244	209	259	222	258
Shipping Accidents	279	251	227	212	170	200	205	180	227	189	217
Abandoned	1	2	0	4	2	1	1	2	1	1	2
Capsizes	14	9	8	2	6	7	1	9	5	4	7
Collision	27	19	15	18	12	19	23	16	31	36	20
Explosion	3	5	2	4	3	3	1	2	1	0	3
Fire	55	41	45	43	28	24	27	26	43	26	37
Grounding	65	100	88	64	57	60	50	54	58	47	66
Sank	31	20	20	10	10	13	25	16	23	19	19
Striking	50	40	33	47	41	41	41	29	42	31	40
Sustains Damage Render Unseaworthy/Unfit For Purpose	33	15	16	20	11	32	36	26	23	25	24
Accident Aboard Ship	56	42	47	31	39	53	39	29	32	33	41
Fatalities	24	14	18	13	12	16	11	18	6	8	15
Shipping Accident	17	7	11	3	4	10	4	12	6	4	8
Accident Aboard Ship	7	7	7	10	8	6	7	6	0	4	6
Injuries	51	40	43	25	36	43	32	28	37	33	37
Shipping Accident	4	5	4	2	6	0	1	4	5	3	3
Accident Aboard Ship	47	35	39	23	30	43	31	24	32	30	34
Type of Vessels Involved in Shipping Accidents (by Vessel Category)											
	270	237	227	205	180	196	203	181	212	176	212
Commercial	129	127	111	111	99	114	107	98	130	106	114
Barge	0	0	0	0	0	0	0	0	0	0	0
Cargo - Liquid	4	6	6	5	1	3	7	4	4	7	4
Cargo - Solid	34	23	30	26	28	31	29	18	20	13	27
Ferry	27	26	19	23	18	10	18	17	19	11	20
Passenger	8	14	11	12	13	13	11	11	14	13	12
Survey/Research	1	1	1	1	3	1	3	2	2	1	2
Service Ship	22	32	25	23	17	34	18	29	47	35	27
Tanker	0	0	0	0	0	0	0	0	0	0	0
Tug	26	15	16	15	18	20	20	17	21	25	19
Sailing Vessel	4	3	2	1	0	1	1	0	3	1	2
Ships Boat	3	7	1	5	1	1	0	0	0	0	2
Other	0	0	0	0	0	0	0	0	0	0	0
Fishing	132	103	105	89	69	81	87	76	82	70	92
Non-commercial	9	7	11	5	12	1	9	7	0	0	7
Commercial Accident Rate											
Commercial vessel accidents (>15 GT, Canadian, non-fishing, non-passenger)	145	129	121	97	96	63	65	75	94	81	98
Million vessel-kms	6.51	5.57	6.38	5.81	6.09	6.16	6.13	6.07	6.10	7.10	6.09
Accident Rate/million vessel-kms	22.3	23.2	19.0	16.7	15.8	10.2	10.6	12.4	15.4	11.4	16
Vessel trips	29,717	24,871	25,539	28,269	28,800	29,000	28,700	28,550	28,700	28,701	28,016
Accident Rate/thousand vessel trips	4.9	5.2	4.7	3.4	3.3	2.2	2.3	2.6	3.3	2.8	4
Vessels Lost	32	27	25	22	22	20	18	23	17	9	23
Commercial	7	11	2	1	1	2	2	8	3	2	4
Fishing	25	16	23	21	21	18	16	15	14	7	19
Incidents	234	190	191	175	217	677	684	584	609	686	396
Foreign Vessels											
Accidents	47	65	63	52	59	46	57	39	48	56	53
Shipping Accident	34	50	47	42	46	38	44	33	37	44	41
Accident Aboard Ship	13	15	16	10	13	8	13	6	11	12	12
Type of Vessels Involved in Shipping Accidents (by Vessel Category)											
	52	71	58	54	48	43	55	39	52	57	52
Commercial	51	68	56	50	46	41	54	37	49	50	50
Fishing	1	3	2	4	2	2	1	2	3	7	2
Fatalities	6	1	0	3	2	2	1	1	1	3	2
Shipping Accident	4	0	0	0	1	0	0	1	0	0	1
Accident Aboard Ship	2	1	0	3	1	2	1	0	1	3	1
Injuries	9	14	32	7	12	6	14	14	11	13	13
Shipping Accident	0	0	1	0	0	0	0	8	0	4	1
Accident Aboard Ship	9	14	31	7	12	6	14	6	11	9	12
Vessels Lost	1	0	0	0	1	0	2	0	1	3	1
Incidents	51	59	33	41	53	57	63	123	159	196	71

Table S12 continues on the next page

	2008	2009	2010	2011	2012	2013	2014	2015 ^R	2016 ^R	2017 ^P	Average 2008 - 2016
<i>Total Marine Occurrences</i>											
Accidents	382	358	337	295	268	299	301	248	307	278	311
Shipping Accident	313	301	274	254	216	238	249	213	264	233	258
Accident Aboard Ship	69	57	63	41	52	61	52	35	43	45	53
Fatalities	30	15	18	16	14	18	12	19	7	11	17
Injuries	60	54	75	32	48	49	46	42	48	46	50
Vessels Involved in Shipping Accidents	322	308	285	259	228	239	258	220	264	233	265
Vessels Lost	33	27	25	22	23	20	20	23	18	12	23
Incidents (Mandatory reporting)	285	249	224	216	270	734	747	707	768	882	467

Notes: R= Revised data. P= Preliminary data. GT= Gross tons.

In 2014 the Transportation Safety Board (TSB) renewed their occurrence reporting regulations and introduced a new database to track occurrences. The use of new regulations and a new reporting system has led to an increase in reported occurrences, primarily incidents.

Canadian vessel statistics comprise all occurrences where at least one Canadian vessel was involved (may also include foreign vessels); foreign vessel statistics comprise occurrences in Canadian waters where no Canadian vessel was involved.

The Accident Rate is calculated for shipping accidents of Canadian commercial vessels (excluding all fishing and passenger vessels and all vessels under 15GT) greater than 15 GT, as vessel activity is captured for these vessel sizes only.

The Transport Canada (TC) rate differs slightly from the TSB rate due to the capture of passenger vessels by TC.

For international voyages, vessel-kilometres are calculated within the 12 nautical mile limit.

Injuries include both serious and minor injuries.

All definitions can be found in the TSB annual report, Appendix B. <http://www.tsb.gc.ca/eng/stats/marine/2016/ssem-ssmo-2016.asp>

Source: Transportation Safety Board

Table S13: Small Canadian Vessels Engaged in Commercial Activity—Marine Occurrences, 2008–2017

	2008	2009	2010	2011	2012	2013	2014	2015 ^R	2016 ^R	2017 ^P	2008 - 2016 Average
Total Accidents	95	103	88	90	63	80	79	71	97	69	85
Shipping Accident	89	93	80	79	58	67	66	64	91	65	76
Accident Aboard Ship	6	10	8	11	5	13	13	7	6	4	9
Vessels Involved in Shipping Accidents (By type of vessel)	86	89	76	76	57	67	65	64	91	65	75
Barge	0	0	0	0	0	0	0	0	0	0	0
Cargo - Liquid	0	0	0	0	0	0	0	0	0	0	0
Cargo - Solid	1	2	0	0	1	0	0	0	1	0	1
Ferry	2	0	0	0	0	1	1	0	2	0	1
Passenger	3	6	1	1	1	4	4	6	5	8	3
Survey/Research	1	1	0	0	2	0	0	0	0	0	0
Service Ship	8	15	10	11	11	17	3	15	17	18	12
Tanker	0	0	0	0	0	0	0	0	0	0	0
Tug	10	3	5	4	6	7	7	8	14	10	7
Sailing Vessel	1	2	2	0	0	1	0	0	0	1	1
Ships Boat	3	6	1	4	0	0	0	0	0	0	2
Fishing	57	54	57	56	36	37	50	35	52	28	48
Other	0	0	0	0	0	0	0	0	0	0	0
Fatalities	12	5	10	8	5	7	5	5	6	4	7
Injuries	4	10	9	8	9	10	11	10	10	5	9
Vessels Lost	13	12	11	12	12	9	9	9	10	5	11
Incidents	87	57	68	68	60	328	309	238	238	257	161

Notes: R= Revised data. P= Preliminary data.

In 2014 the Transportation Safety Board (TSB) renewed their occurrence reporting regulations and introduced a new database to track occurrences. This allowed TSB to capture more marine incidents.

When the vessel activity was not reported, it is assumed that fishing is the intention of the voyage. The TSB estimates that the majority of vessels of unknown tonnage are under 15 GT, and these vessels are identified in this table.

It should be noted that statistical figures can change from year to year, as the data are acquired from a live database that is updated as information is obtained. All data is publicly available on the TBS website.

All definitions can be found in the TSB annual report, Appendix B. <http://www.tsb.gc.ca/eng/stats/marine/2016/ssem-ssmo-2016.asp>.

Source: Transportation Safety Board

Table S14: Small Canadian Vessels Engaged in Commercial Fishing Activity, Marine Occurrences, 2008–2017

	2008	2009	2010	2011	2012	2013	2014	2015	2016 ^a	2017 ^a	2008 - 2016 Average
Total Accidents >15 GT and <=150 GT											
Shipping Accident	66	45	46	33	34	37	30	38	24	40	39.2
Shipping Accident Fatalities	6	6	4	1	0	6	0	0	0	1	2.6
Accident aboard ship	8	12	9	7	13	15	11	14	13	11	11.3
Accident aboard ship fatalities	0	0	0	4	3	2	4	2	0	2	1.7
Vessels Lost	14	11	14	10	11	9	7	9	6	4	10.1
Vessels <=15 GT											
Shipping Accident	47	40	45	46	28	22	40	30	46	24	38.2
Shipping Accident Fatalities	4	1	3	1	1	4	2	3	6	0	2.8
Accident aboard ship	4	4	2	5	3	4	6	4	4	2	4.0
Accident aboard ship fatalities	3	3	3	5	2	3	2	2	0	0	2.6
Vessels Lost	8	4	5	11	9	5	7	3	5	3	6.3
Vessels of Unknown GT¹											
Shipping Accident	10	14	12	10	8	15	10	5	6	4	10.0
Shipping Accident Fatalities	2	1	0	0	1	1	1	3	4	0	1.4
Accident aboard ship	0	2	2	2	1	3	2	0	0	0	1.3
Accident aboard ship fatalities	0	1	1	2	0	1	0	0	0	0	0.6
Vessels Lost	2	1	4	1	2	3	1	1	3	0	2.0
Total Shipping Accidents	123	99	103	89	70	74	80	73	76	68	87.4
Total Shipping Accident Fatalities	12	8	7	2	2	11	3	6	10	1	6.8
Total Accidents aboard ship	12	18	13	14	17	22	19	18	17	13	16.7
Total Accident aboard ship fatalities	3	4	4	11	5	6	6	4	0	2	4.8
Total Vessels Lost	24	16	23	22	22	17	15	13	14	7	18.4

Notes: R= Revised data. P= Preliminary data. GT = Gross tonnage.

The Transportation Safety Board considers vessels with an unknown Gross tonnage as under 15 GT. In this table, those vessels of unknown tonnage are reported separately, for greater clarity. In the rest of the report, vessels of unknown tonnage and vessels under 15 GT are included together.

It should be noted that statistical figures can change from year to year, as the data are acquired from a live database that is updated as information is obtained. All data is publicly available on the TSB website.

All definitions can be found in the TSB annual report, Appendix B. <http://www.tsb.gc.ca/eng/stats/marine/2016/ssem-ssmo-2016.asp>.

Source: Transportation Safety Board

Table S15: Aviation Occurrences and Casualties Involving Aircraft Operating Under CARs, 2012–2017

	2012	2013	2014 ^R	2015 ^R	2016 ^R	2017 ^P	Average 2012–2016
Canadian-Registered Aircraft Accidents¹	222	233	189	206	186	190	207.2
Type of Operation							
Airliner	3	5	3	6	1	4	3.6
Commuter	4	3	3	2	1	5	2.6
Air taxi	24	20	19	18	19	20	20.0
Aerial work	22	31	18	21	17	20	21.8
Private operator passenger transportation	1	0	1	1	5	1	1.6
Flight training	34	29	27	29	19	35	27.6
Private/Recreational Aviation Accidents²	133	139	118	132	126	106	125.6
Airplanes	117	132	106	120	112	96	117.4
Balloons	2	1	2	0	0	0	1.0
Gliders	4	5	2	4	4	4	3.8
Gyroplanes	0	1	1	1	1	1	0.8
Helicopters	12	2	8	9	9	5	8.0
Canadian-Registered Basic and Advanced Ultralights^R	31	21	26	13	19	21	22.0
Others ³	2	6	1	0	0	0	1.8
Fatal Accidents Involving Canadian-Registered Aircraft	31	29	9	18	21	17	21.6
Type of Operation							
Airliner	0	0	0	0	0	1	0.0
Commuter	1	1	0	0	0	0	0.4
Air taxi	4	4	1	5	1	0	3.0
Aerial work	3	7	0	3	3	3	3.2
Private operator passenger transportation	0	0	0	0	1	0	0.2
Flight training	3	2	0	1	0	4	1.2
Private/Recreational Aviation²							
Aeroplanes	19	13	8	10	14	9	12.8
Balloons	0	0	0	0	0	0	0.0
Gliders	1	2	0	0	1	1	0.8
Gyroplanes	0	0	0	0	0	0	0.0
Helicopters	1	0	0	0	1	0	0.4
Canadian-Registered Basic and Advanced Ultralights	7	4	2	3	4	1	4.0
Others ³	0	1	0	0	0	0	0.2
Fatalities	52	53	13	35	29	28	36.4
Type of Operation							
Airliner	0	0	0	0	0	1	0.0
Commuter	1	5	0	0	0	0	1.2
Air taxi	8	10	2	12	1	0	6.6
Aerial work	2	10	0	5	3	7	4.0
Private operator passenger transportation	0	0	0	0	4	0	0.8
Flight training	5	2	0	2	0	5	1.8
Private/Recreational Aviation²							
Aeroplanes	33	22	11	16	18	14	20.0
Balloons	0	0	0	0	0	0	0.0
Gliders	1	3	0	0	1	1	1.0
Gyroplanes	0	0	0	0	0	0	0.0
Helicopters	1	0	0	0	2	0	0.6
Canadian-Registered Basic and Advanced Ultralights	7	4	2	3	4	1	4.0
Others ³	0	1	0	0	0	0	0.2

Notes: R= Revised data. P= Preliminary data. CARs= Canadian Aviation Regulations.

As some accidents may involve multiple aircraft, the number of aircraft involved may differ slightly from the total number of accidents. For definitions regarding CARs, please visit the Civil Aviation website: <http://www.tc.gc.ca/eng/acts-regulations/regulations-sor96-433.htm>.

- 1 Excludes aircraft accidents not operating in accordance with CARs. Ultralight aircraft are excluded.
- 2 Recreational aviation comprises all privately registered aircraft except those operated in accordance with CAR 604.
- 3 Includes State aircraft, Unmanned Air Vehicle and aircraft in the process of being registered in Canada.

Source: Transport Canada, adapted from the Transportation Safety Board

Table S16: Summary of Aviation Occurrences Reported to the Transportation Safety Board, 2012–2017

	2012	2013	2014	2015	2016 ^R	2017 ^P	2012–2016 Average
Canadian–Registered Accidents¹	239	243	212	227	200	206	224.0
Accidents involving aircraft operating under CARs	222	233	189	206	186	190	207.2
Other accidents ²	17	10	23	21	14	16	17.0
Foreign–Registered Aircraft Accidents in Canada	15	10	6	8	8	7	9.4
Fatal accidents	0	2	2	2	1	0	1.4
Fatalities	0	2	4	3	7	0	3.0
Reportable Incidents	652	703	750	810	866	964	756.2
Risk of collision/Loss of separation	103	117	95	111	139	171	113.0
Declared emergency	266	297	316	334	314	350	305.4
Engine failure	94	87	108	118	125	111	106.4
Smoke/Fire	72	71	89	91	88	104	82.2
Collision	5	16	16	8	18	25	12.6
Other	112	115	126	148	182	203	136.6

Notes: R= Revised data. P= Preliminary data. CARs= Canadian Aviation Regulations.

1 Includes gliders, balloons and gyrocopters, but not ultralights.

2 Foreign accidents, test flight accidents and non–revenue flights involved in accidents are not included in the Canadian–registered aircraft accidents for aircraft operating under CARs.

Source: Transportation Safety Board, preliminary data as of February 7, 2018.

Table S17: Canadian–Registered Aircraft (CRA) Accident Rates for Aircraft Operating Under CARs, 2012–2017

	2012	2013	2014 ^R	2015 ^R	2016 ^R	2017 ^P	2012–2016 Average
CRA Accidents¹	222	233	189	206	186	190	207.2
Private/Recreational Aviation²	133	139	118	132	126	106	129.6
Airplanes	117	132	106	120	112	96	117.4
Balloons	2	1	2	0	0	0	1.0
Gliders	4	5	2	4	4	4	3.8
Gyroplanes	0	1	1	1	1	1	0.8
Helicopters	12	2	8	9	9	5	8.0
Basic and Advanced Ultralights	31	21	26	13	19	21	22.0
Hours Flown^R (thousands)	4,391	4,295	4,272	4,318	4,492	4,565	4,353.6
Accident Rate (per 100,000 hours flown)	5.1	5.4	4.4	4.8	4.1	4.2	4.8
Canadian Civil Aircraft Registered¹	28,737	29,105	29,249	29,236	29,081	29,112	29,081.6
Private/Recreational Aviation²	21,462	21,834	22,035	21,989	21,915	21,912	21,847.0
Airplanes	19,176	19,445	19,584	19,551	19,469	19,435	19,945.0
Balloons	489	503	508	506	506	508	502.4
Gliders	722	726	725	721	717	719	722.2
Gyroplanes	195	206	214	222	226	229	212.6
Helicopters	880	954	1004	989	996	1020	964.6
Basic and Advanced Ultralights	6,803	6,973	7,125	7,246	7,355	7,459	7,100.4
Accident Rate (per 1,000 Canadian civil aircraft registered)	7.7	8	6.6	7	6.4	6.5	7.1
Private/Recreational Aviation	6.2	6.4	5.4	6	5.7	4.8	6.0
Airplanes	6.1	6.8	5.4	6.1	5.7	4.9	5.9
Balloons	4.1	2	3.9	0	0	0.0	2.0
Gliders	5.5	6.9	2.8	5.5	5.6	5.6	5.3
Gyroplanes	0	4.9	4.7	4.6	4.4	4.4	3.8
Helicopters	13.6	2.1	8	9.1	9	4.9	8.3
Basic and Advanced Ultralights	4.6	3	3.6	1.8	2.6	2.8	3.1

Notes: R= Revised data. P= Preliminary data. CARs= Canadian Aviation Regulations.

Aircraft accidents not operating in accordance with CARs (i.e. military and state aircraft not operating under CARs) and ultralight aircraft are excluded.

1 Excludes aircraft accidents not operating in accordance with CARs. Ultralight aircraft are excluded.

2 Recreational aviation comprises all privately registered aircraft except those operated in accordance with CAR 604.

Sources: Transport Canada, adapted from the Transportation Safety Board, preliminary data as of February 7 2018.

Table S18: Accidents Involving Aircraft Operating under CARs, by Province/Territory, 2012–2017

	2012	2013	2014	2015	2016 ^R	2017 ^P	2012–2016 Average
Accidents							
Newfoundland and Labrador	5	3	1	5	3	2	3.4
Nova Scotia	2	4	2	3	2	2	2.6
New Brunswick	3	2	5	2	5	5	3.4
Prince Edward Island	0	0	0	0	0	1	0.0
Quebec	49	58	53	41	27	39	45.6
Ontario	56	58	49	64	40	47	53.4
Manitoba	13	11	11	13	16	8	12.8
Saskatchewan	7	18	9	11	10	12	11.0
Alberta	29	26	28	21	34	32	27.6
British Columbia	46	42	26	38	43	33	39.0
Yukon	5	4	3	6	1	4	3.8
Northwest Territories	4	3	2	2	3	2	2.8
Nunavut	3	4	0	0	2	3	1.8
Total	222	233	189	206	186	190	207.2
Fatal Accidents							
Newfoundland and Labrador	0	0	0	1	0	0	0.2
Nova Scotia	0	1	0	0	0	0	0.2
New Brunswick	0	0	1	0	1	0	0.4
Prince Edward Island	0	0	0	0	0	0	0.0
Quebec	4	3	1	6	5	4	3.8
Ontario	9	6	3	5	1	4	4.8
Manitoba	3	2	0	0	1	3	1.2
Saskatchewan	1	2	1	1	2	2	1.4
Alberta	5	4	1	3	4	3	3.4
British Columbia	7	9	2	2	7	0	5.4
Yukon	1	0	0	0	0	1	0.2
Northwest Territories	0	1	0	0	0	0	0.2
Nunavut	1	1	0	0	0	0	0.4
Total	31	29	9	18	21	17	21.6
Fatalities							
Newfoundland and Labrador	0	0	0	1	0	0	0.2
Nova Scotia	0	1	0	0	0	0	0.2
New Brunswick	0	0	2	0	2	0	0.8
Prince Edward Island	0	0	0	0	0	0	0.0
Quebec	5	3	1	15	7	6	6.2
Ontario	18	16	4	9	1	9	9.6
Manitoba	4	5	0	0	2	4	2.2
Saskatchewan	5	3	2	2	2	3	2.8
Alberta	5	5	1	4	4	5	3.8
British Columbia	13	16	3	4	11	0	9.4
Yukon	1	0	0	0	0	1	0.2
Northwest Territories	0	1	0	0	0	0	0.2
Nunavut	1	3	0	0	0	0	0.8
Total	52	53	13	35	29	28	36.4

Notes: R= Revised data. P= Preliminary data. CARs= Canadian Aviation Regulations.

Aircraft accidents not operating in accordance with CARs (i.e. military and state aircraft) and ultralight aircraft are excluded.

Source: Transport Canada, adapted from the Transportation Safety Board, preliminary data as of February 7, 2018

Table S19: Reportable Accidents Involving Dangerous Goods by Mode and Phase of Transport, 2006–2017

<i>Year</i>	----- <i>In-transit</i> -----					<i>Subtotal</i>	<i>Not-in-transit</i>	<i>Total</i>
	<i>Road</i>	<i>Rail</i>	<i>Air</i>	<i>Marine</i>				
2006	102	4	7	0	113	272	385	
2007 ^R	124	9	8	0	141	284	425	
2008 ^R	115	7	4	0	126	310	436	
2009 ^R	78	5	0	0	83	243	326	
2010	95	5	1	0	101	203	304	
2011	91	3	2	0	96	249	345	
2012	85	2	1	0	88	313	401	
2013 ^R	105	8	5	0	118	278	396	
2014 ^R	111	6	3	0	120	265	385	
2015	88	10	3	0	101	233	334	
2016 ^R	101	5	5	2	113	187	300	
2006 - 2016 Average	99.5	5.8	3.5	0	109.1	257.9	367	
2017 ^P	252	11	4	1	268	175	443	

Notes: R= Revised data. P= Preliminary data (2017 accident data are preliminary based on accidents reported to TDG). TDG= Transportation of Dangerous Goods.

Thresholds for reporting dangerous goods accidents have changed based on amendments to Part 8 of the TDG Regulations, which came into force on December 1, 2016. Now releases and anticipated releases must satisfy at least one of six specific criteria before requiring "30 day follow-up report" completion to be considered a reportable accident.

The TDG program does not cover dangerous goods transported in bulk on ships or by pipeline.

TDG accidents can occur while dangerous goods are being transported, while they are handled, or during temporary storage pending transport.

In-transit accidents include those that occur during actual transport. Not-in-transit accidents are those that take place at facilities where the goods are prepared for transport (handled prior to loading or unloading), unloaded or stored in the course of transport.

Source: Transport Canada, Dangerous Goods Accident Information System

Table S20: Deaths and Injuries Attributed to the Dangerous Goods at Reportable Accidents, 2006–2017

Year	Fatalities	-----Injuries-----			Total
		Major	Moderate	Minor	
2006	1	0	17	0	17
2007	0	2	8	3	13
2008	0	1	8	2	11
2009	0	1	4	2	7
2010	0	2	7	0	9
2011	0	1	7	1	9
2012	0	0	7	6	13
2013	50	0	18	5	23
2014	1	0	8	4	12
2015	0	0	2	81	83
2016 ^R	2	0	2	7	9
2006 - 2016 Average	4.9	0.6	8	10.1	18.7
2017 ^P	1	1	29	5	35

Notes: R= Revised data. P= Preliminary data (2017 accident data are preliminary based on accidents reported to TDG). TDG= Transportation of Dangerous Goods.

Thresholds for reporting dangerous goods accidents have changed based on amendments to Part 8 of the TDG Regulations, which came into force on December 1, 2016. Now releases and anticipated releases must satisfy at least one of six specific criteria before requiring "30 day follow-up report" completion to be considered a reportable accident. The TDG program does not cover dangerous goods transported in bulk on ships or by pipeline.

Dangerous goods accidents are "reportable" when the quantity of dangerous goods released exceeds the amount listed in the table contained in Part 8 of the TDG Regulations. TDG accidents can occur while dangerous goods are being transported, while they are handled, or during temporary storage pending transport.

In-transit accidents include those that occur during actual transport. Not-in-transit accidents are those that take place at facilities where the goods are prepared for transport (handled prior to loading or unloading), unloaded or stored in the course of transport.

Minor injuries refer to those injuries that require first-aid treatment; moderate injuries involve emergency hospital treatment, and major injuries require overnight hospitalization.

Three separate road tank truck accidents (2006, 2014, 2017) involving Class 3 flammable liquids; each accounted for one death attributed to the dangerous goods.

The Lac-Mégantic rail accident on July 6, 2013 accounted for 47 of the deaths attributed to the dangerous goods.

The Vancouver, British Columbia marine terminal accident on March 4, 2015 involving Trichloroisocyanuric Acid, Dry resulted in 80 minor injuries, of which 46 were employees and 34 were private citizens.

The Taber, Alberta multiple road vehicle collision accident on May 8, 2016 involving diesel fuel caught fire and exploded which resulted in two deaths attributed to the dangerous goods.

The Leeds, Ontario multiple road vehicle collision accident on March 14, 2017 involving tote tanks containing Fluorosilicic Acid resulted in one death attributed to the accident; there was one major injury and 27 moderate injuries all attributed to the dangerous goods.

The Etobicoke, Ontario in-transit air accident on February 23, 2013 involving a class 8 corrosive solid accounted for 13 people with moderate injuries being admitted to hospital.

Source: Transport Canada, Dangerous Goods Accident Information System

AIR TRANSPORTATION

Table A1: Number of Aerodromes in Canada, 2008–2017

As of Dec 31	Land Aerodromes			Total Land	Share of Grand Total (per cent)	Heliports			Total Heliports	Share of Grand Total (per cent)
	Certified	Registered	Other			Certified	Registered	Other		
2008	322	794	1	1,117	61.3	261	109	1	371	20.4
2009	317	821	8	1,146	60.8	254	134	4	392	20.8
2010	318	831	11	1,160	62.1	247	118	11	376	20.1
2011	314	845	11	1,170	61.9	245	124	11	380	20.1
2012	314	872	11	1,197	62.2	239	131	11	381	19.8
2013	312	865	11	1,188	62.1	245	129	11	385	20.1
2014	306	885	8	1,199	62.3	246	133	4	383	19.9
2015	304	912	8	1,224	62.4	252	145	4	401	20.4
2016	290	707	5	1,002	62.9	239	129	2	370	23.2
2017	296	702	5	1,003	63.8	216	130	0	346	22.0

As of Dec 31	Water Aerodromes			Total Water	Share of Grand Total (per cent)	Total All Aerodromes			Grand Total	Share of Grand Total (per cent)
	Certified	Registered	Other			Certified	Registered	Other		
2008	10	323	0	333	18.3	593	1,226	2	1,821	100.0
2009	10	336	0	346	18.4	581	1,291	12	1,884	100.0
2010	11	320	0	331	17.7	576	1,269	22	1,867	100.0
2011	11	328	0	339	17.9	570	1,297	22	1,889	100.0
2012	6	339	0	345	17.9	559	1,342	22	1,923	100.0
2013	6	334	0	340	17.8	563	1,328	22	1,913	100.0
2014	6	338	0	344	17.9	558	1,356	12	1,926	100.0
2015	5	331	0	336	17.1	561	1,388	12	1,961	100.0
2016	5	217	0	222	13.9	534	1,053	7	1,594	100.0
2017	5	218	0	223	14.2	517	1,050	5	1,572	100.0

Note: As published in the Canada Flight Supplement (CFS) or the Water Aerodrome Supplement (WAS).

Source: Transport Canada, Civil Aviation, National Operations

Table A2: Airport Capital Assistance Program Expenditures, by Province/Territory, 2008/09–2017/18

(Thousands of dollars)

Province	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17 ^R	2017/18 ^P
Newfoundland and Labrador	716.9	879.1	247.8	313.8	9,061.3	240.0	24.8	0.0	0.0	267.1
Prince Edward Island	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nova Scotia	142.4	153.0	83.9	513.5	437.5	166.8	70.4	3,551.9	127.1	747.7
New Brunswick	0.0	0.0	1,971.9	0.0	0.0	0.0	0.0	616.8	0.0	0.0
Quebec	8,220.0	9,700.3	646.8	1,517.3	2,414.6	353.2	735.4	1,272.4	7,546.0	9,339.7
Ontario	9,313.6	9,438.6	3,899.1	11,583.7	4,628.3	1,874.9	6,454.9	705.1	10,794.6	4,870.2
Manitoba	8,160.9	849.3	1,411.2	8,109.5	297.1	1,167.4	1,650.9	4,229.9	1,701.6	8,758.7
Saskatchewan	0.0	705.0	0.0	211.7	5,643.7	0.0	140.4	7,529.8	3,898.6	1,723.4
Alberta	4,600.1	2,136.7	690.2	1,080.3	259.6	901.5	3,592.3	12,966.0	354.3	4,517.6
British Columbia	7,769.8	2,329.9	676.3	6,883.2	6,396.5	2,373.2	11,034.0	14,834.3	7,118.6	6,935.2
Northwest Territories	4,606.9	0.0	0.0	0.0	360.1	0.0	617.8	910.3	1,600.4	776.4
Yukon	798.5	67.6	0.0	189.0	305.3	154.1	2,948.7	318.9	0.0	0.0
Nunavut	6,733.6	0.0	0.0	0.0	397.9	5,195.7	116.9	0.0	0.0	0.0
Total	51,062.7	26,259.5	9,627.2	30,402.0	30,201.9	12,426.8	27,386.5	46,935.4	33,141.2	37,936.0

Notes: R= Revised data. P= Preliminary data.

Source: Transport Canada, Authorities Stewardship

Table A3: Airport Authorities Financial Performance, 2016

(Thousands of dollars, except where indicated)

<i>Financial Information</i>	<i>Calgary</i>	<i>Vancouver</i>	<i>Edmonton</i>	<i>Montreal</i>	<i>Toronto</i>	<i>Ottawa</i>	<i>Winnipeg</i>	<i>Victoria</i>	<i>Halifax</i>	<i>Saskatoon</i>	<i>Kelowna</i>	
Aeronautical Revenues	95,713	127,229	42,097	191,272	489,275	39,293	42,257	7,104	30,535	7,124	6,589	
Non-Aeronautical Revenues	146,362	212,782	74,619	170,925	418,322	35,699	34,722	13,760	31,200	13,094	10,490	
Airport Improvement Fees	147,949	150,447	89,383	165,908	383,801	46,920	40,659	13,590	35,617	10,400	11,848	
Contributions	0	0	0	0	0	0	0	0	0	683	671	
Total Revenues	390,024	490,458	206,099	528,105	1,291,398	121,912	117,638	34,454	97,352	31,301	29,598	
Expenses												
(less Interest Charges)	267,485	330,040	151,396	338,753	711,087	89,158	86,180	21,413	70,603	19,175	18,316	
Rent to Federal Government	38,902	50,587	17,504	54,859	148,101	8,994	8,011	1,539	6,709	1,222	0	
Income	83,637	109,831	37,199	134,493	432,210	23,760	23,447	11,502	20,040	10,904	11,282	
Interest Charges	47,166	30,014	45,160	98,686	346,729	29,029	31,782	52	14,953	0	1,029	
Other gains/(losses)	(5,066)	5,306	(3,026)	(511)	(4,436)	(2,132)	(500)	0	(2,074)	(2)	0	
Net Income	31,405	85,123	(10,987)	35,296	81,045	(7,401)	(8,835)	11,450	3,013	10,902	10,253	
Acquisition of capital assets	514,658	160,267	42,329	225,160	227,165	24,679	18,470	23,707	34,057	9,887	27,860	
<i>Ratios:</i>												
Expenses (incl interest) as a % of Revenues	80.7%	73.4%	95.4%	82.8%	81.9%	96.9%	100.3%	62.3%	87.9%	61.3%	65.4%	
Aeronautical Revenues as a % of Total	24.5%	25.9%	20.4%	36.2%	37.9%	32.2%	35.9%	20.6%	31.4%	22.8%	22.3%	
Non-Aeronautical Revenues as a % of Total	37.5%	43.4%	36.2%	32.4%	32.4%	29.3%	29.5%	39.9%	32.0%	41.8%	35.4%	
<i>Financial Information</i>	<i>Quebec</i>	<i>Regina</i>	<i>St. John's</i>	<i>Thunder Bay</i>	<i>London</i>	<i>Moncton</i>	<i>Saint John</i>	<i>Charlotte-town</i>	<i>Gander</i>	<i>Frederic-ton</i>	<i>Prince George</i>	Total
Aeronautical Revenues	13,131	5,644	11,578	7,336	2,840	6,434	1,746	2,208	4,383	2,271	3,877	1,139,936
Non-Aeronautical Revenues	23,096	11,018	13,668	3,614	4,602	4,914	1,636	2,795	3,678	2,517	3,998	1,237,511
Airport Improvement Fees	22,632	12,176	20,735	0	3,650	6,062	2,929	3,516	1,809	3,685	4,835	1,178,551
Contributions	2,568	72	0	156	406	0	398	739	993	1,242	1,312	9,240
Total Revenues	61,427	28,910	45,981	11,106	11,498	17,410	6,709	9,258	10,863	9,715	14,022	3,565,238
Expenses												
(less Interest Charges)	43,441	22,677	28,466	9,158	9,481	14,910	5,480	6,817	9,205	7,722	9,790	2,270,753
Rent to Federal Government	3,405	1,008	2,586	102	98	442	16	37	73	34	204	344,433
Income	14,581	5,225	14,929	1,846	1,919	2,058	1,213	2,404	1,585	1,959	4,028	950,052
Interest Charges	5,873	961	5,028	209	551	1,224	0	0	177	21	505	659,149
Other gains/(losses)	134	0	0	942	73	127	151	177	429	0	26	(10,382)
Net Income	8,842	4,264	9,901	2,579	1,441	961	1,364	2,581	1,837	1,938	3,549	280,521
Acquisition of capital assets	69,382	29,543	35,198	9,589	3,056	1,639	635	3,524	1,174	1,438	2,369	1,465,786
<i>Ratios:</i>												
Expenses (including interest) as a % of Revenues	80.3%	81.8%	72.8%	84.3%	87.2%	92.7%	81.7%	73.6%	86.4%	79.7%	73.4%	82.2%
Aeronautical Revenues as a % of Total	21.4%	19.5%	25.2%	66.1%	24.7%	37.0%	26.0%	23.8%	40.3%	23.4%	27.6%	32.0%
Non-Aeronautical Revenues as a % Total	37.6%	38.1%	29.7%	32.5%	40.0%	28.2%	24.4%	30.2%	33.9%	25.9%	28.5%	34.7%

Notes: Aeronautical revenues are generated principally from airlines and other commercial aviation sources, and consist mainly of landing fees, terminal fees and the recovery of security costs.

Revenues from concessionaire sales (stores, restaurants etc.), car parking and space rental are considered non-aeronautical.

Rent figures may differ from the actual cash received by the Federal Government due to accrual accounting treatment.

Source: Airport Authority 2016 Annual Reports (Consolidated Financial Statements)

Table A4: Airport Improvement Fees (AIF) at National Airport System (NAS) Airports, 2008–2017

Airport	Charge per passenger (dollars)										Airline Handling Fee (per cent)
	2008	2009	2010	2011	2012	2013	2014	2015	2016	As of January 1, 2017	
Calgary	20	21	22	25	25	30	30	30	30	30	5
Charlottetown	15	15	15	20	20	20	20	20	20	20	5
Edmonton	15	20	20	20	25	25	25	30	30	30	6
Fredericton	15	20	20	20	20	20	20	20	20	20	5
Gander	20	20	20	20	25	25	25	25	25	25	7
Halifax	10	15	15	20	20	20	25	25	25	25	6
Iqaluit	0	0	0	0	0	0	0	0	0	0	N/A
Kelowna	10	10	10	12	15	15	15	15	15	15	7
London	15	15	15	15	15	15	15	15	15	15	7
Moncton	15	15	15	20	20	20	20	20	20	20	7
Montreal (Trudeau)	20	20	25	25	25	25	25	25	25	25	5
Ottawa ¹	15	15	15	20	20	20	23	23	23	23	6
Prince George ⁹	15	15	18	18	18	20	20	20	25	25	7
Quebec City ²	20	20	25	25	25	27	29	30	33	33	7
Regina ³	15	15	15	15	20	20	20	20	20	20	7
Saint John ⁷	15	20	20	20	20	20	25	25	25	25	5
Saskatoon ⁴	10	15	15	15	15	20	20	20	20	20	7
St. John's	15	15	15	20	20	20	20	30	30	30	7
Thunder Bay	0	0	0	0	0	0	0	0	0	0	N/A
Toronto ⁵	20	25	25	25	25	25	25	25	25	25	4
Vancouver ⁶	15	15	15	15	15	20	20	20	20	20	4
Victoria ⁸	10	10	10	10	10	10	10	15	15	15	7
Whitehorse	0	0	0	0	0	0	0	0	0	0	N/A
Winnipeg	20	20	20	20	20	25	25	25	25	25	6
Yellowknife	0	0	0	0	0	0	0	0	0	0	N/A

Notes: N/A= Not applicable.

1 Effective March 1, 2014, AIF will increase to \$23.

2 Effective January 1, 2016, AIF will increase to \$33.

3 Passengers are charged \$5 for intra-provincial flights and \$20 for all other destinations.

4 Passengers are charged \$5 for intra-provincial short-haul flights (Regina, Prince Albert, La Ronge, Stony Rapids, Fond du Lac, Wollaston Lake, Uranium City, Points North Landing) and \$15 for all other destinations.

5 Connecting passengers are charged \$4.

6 Effective May 1st, 2012, passengers are charged \$5 for intra-provincial flights and \$20 for all other destinations.

7 Effective April 10, 2014, AIF will increase to \$25.

8 Effective June 1, 2015, AIF will increase to \$15.

9 Effective January 1, 2016, AIF will increase to \$25.

Sources: Air Transport Association of Canada and Airport Authorities

Table A5: Air Travellers Security Charge (ATSC), 2002–2017

ATSC Rates (Current dollars per enplaned passenger)

Sector	Effective Date						Current since April 1st 2010 ¹
	April 1st 2002 ¹	March 1st 2003 ¹	April 1st 2004 ¹	March 1st 2005 ¹	July 1st 2006 ¹	January 1st 2008 ¹	
Domestic (One-way)	\$12.00	\$7.00	\$6.00	\$5.00	\$4.95	\$4.90	\$7.48
Domestic (round-trip)	\$24.00	\$14.00	\$12.00	\$10.00	\$9.90	\$9.80	\$14.96
Transborder ²	\$12.00	\$12.00	\$10.00	\$8.50	\$8.42	\$8.34	\$12.71
Other International	\$24.00	\$24.00	\$20.00	\$17.00	\$17.00	\$17.00	\$25.91

Notes: GST/HST = Goods and Services Tax/Harmonized Sales Tax.

1 The total charge includes the GST or the federal portion of HST where applicable.

From April 1, 2002 to June 30, 2006, the rate of GST and HST was 7% and 15%, respectively;

From July 1, 2006 to December 31, 2007, the rate of GST and HST was 6% and 14%, respectively ;

Effective January 1, 2008, the rate of GST has been established at 5%.

As of July 2010, the rate of HST was 12% in British Columbia; 13% in Ontario, New Brunswick, and Newfoundland and Labrador, respectively and 15% in Nova Scotia.

Additional information on GST/HST rates is available from the Canada Revenue Agency and the TaxTips.ca websites.

2 Transborder ATSC rate is for air travel to a destination outside Canada but within the continental zone (includes Mexico).

Sources: Transport Canada, adapted from Finance Canada, Canada Revenue Agency, ATSC Rates

Table A7: Licence Authorities Held by Air Carriers as of December 31, 2017

Licence Aircraft Type	----- Services -----			Total Licences	Number of Air Carriers ¹
	Domestic	Scheduled	Non-Scheduled		
Total Canada	677	299	317	1,293	603
Small aircraft	597	10	253	860	
Medium aircraft	25	40	22	87	
Large aircraft	13	151	13	177	
All cargo aircraft	42	98	29	169	
Total U.S.	0	40	593	633	601
Total Foreign	0	109	178	287	221
Total	677	448	1,088	2,213	1,425

Note: Represents licence authorities held by air carriers; however, an air carrier can hold multiple licence authorities.

1 Number of air carriers holding Canadian Transportation Agency licences, by nationality.

Source: Canadian Transportation Agency

Table A8: Civil Aviation Personnel Licences and Permits by Category as of December, 2017

Category	In Force	Issued		Male	Female
		12 Months			
Aeroplanes					
Private Pilot	23,425	2,645	21,892	1,533	
Commercial Pilot	7,641	1,153	7,053	588	
Airline Transport Pilot	13,970	629	13,189	781	
Total	45,036	4,427	42,134	2,902	
Helicopters					
Private Pilot	734	75	704	30	
Commercial Pilot	2,873	174	2,748	125	
Airline Transport Pilot	998	34	967	31	
Total	4,605	283	4,419	186	
Permits					
Gyroplane Pilot	72	8	68	4	
Ultra-Light Pilot	2,541	105	2,461	80	
Recreational Pilot	1,301	77	1,238	63	
Total	3,914	190	3,767	147	
Other Licences					
Glider Pilot	5,880	353	5,185	695	
Balloon Pilot	189	11	169	20	
Flight Engineer	292	1	284	8	
Air Traffic Controller	1,740	68	1,473	267	
Total	8,101	433	7,111	990	
Total Licences & Permits	61,656	5,333	57,431	4,225	

Note: Excludes student pilot permits

Source: Transport Canada, Safety and Security, Civil Aviation

Table A9: Personnel Licences and Permits, by Province/Territory, as of December 2016 and 2017

Province/Territory	Number of Licences 2016	Number of Licences 2017	Growth (per cent) 2016–2017
Ontario	22,026	21,876	(0.7)
Quebec	13,132	13,201	0.5
British Columbia	11,187	11,271	0.8
Alberta	10,438	10,316	(1.2)
Manitoba	3,214	3,149	(2.0)
Saskatchewan	2,284	2,284	0.0
Other	2,272	2,322	2.2
New Brunswick	1,505	1,510	0.3
Nova Scotia	1,174	1,096	(6.6)
Newfoundland and Labrador	904	900	(0.4)
Northwest Territories	390	380	(2.6)
Yukon	322	334	3.7
Prince Edward Island	141	145	2.8
Nunavut	23	28	21.7
Total	69,012	68,812	(0.3)

Note: Including student pilot permits.

Source: Transport Canada, Safety and Security, Civil Aviation

Table A10: Total Operating Revenues of Canadian Air Carriers, 2007–2016

(Millions of dollars)

Year	Passengers Services	Goods Services	Other Services ¹	Total	Growth (per cent)
2007	14,178	1,220	831	16,229	-
2008	15,305	1,268	920	17,493	7.8
2009	13,563	1,033	803	15,399	(12.0)
2010	15,356	1,159	837	17,352	12.7
2011	16,930	1,196	941	19,067	9.9
2012 ^R	18,081	1,225	1,037	20,343	6.7
2013 ^R	18,525	1,178	1,113	20,816	2.3
2014 ^R	19,726	1,209	1,374	22,309	7.2
2015 ^R	20,058	1,202	1,573	22,833	2.3
2016 ^P	20,137	1,252	1,659	23,048	0.9
CAGR 2007-16 (per cent)	3.6	0.3	7.2	3.6	

Notes: R= Revised data. P= Preliminary data. CAGR= Compound Average Growth Rate.

Scheduled and charter services, passengers and goods, for Level I to Level III carriers

1 Other services include other flying services, subsidies and net incidental air transport related revenue.

Sources 2007-2011: Statistics Canada, Civil Aviation, Annual Operating and Financial Statistics, Canadian Air Carriers, Levels I to III, Cat. 51-004, various issues
2012-2016: Statistics Canada, CANSIM Table 401-0069

Table A11: Annual Labour Costs per Employee of Canadian Air Carriers, 2007–2016

Average Annual Salary (dollars)

Levels I-III ¹	2007	2008	2009	2010	2011	2012 ^R	2013 ^R	2014 ^R	2015 ^R	2016 ^P
Pilots and Copilots	96,134	98,677	101,337	102,225	105,963	113,595	116,276	116,571	114,130	127,654
Other Flight Personnel	47,226	44,602	43,694	44,523	48,605	51,418	52,361	49,901	57,924	50,822
Management and Administration	76,985	84,531	76,037	75,058	80,632	54,771	80,607	76,431	87,235	94,476
Other Carrier Personnel ²	50,910	52,870	52,837	49,079	53,444	75,242	80,607	76,431	87,235	94,476
Total Levels I - III	62,313	63,730	62,957	59,460	64,140	66,700	67,880	68,084	71,930	72,047

Number of Employees

Levels I-III ¹	2007	2008	2009	2010	2011	2012 ^R	2013 ^R	2014 ^R	2015 ^R	2016 ^P
Pilots and Copilots	9,506	9,933	9,512	9,667	10,094	10,236	10,426	10,420	11,261	9,959
Other Flight Personnel	11,085	11,487	10,903	11,770	12,042	12,176	12,426	12,469	11,598	13,153
Management and Administration	3,027	2,999	3,101	3,355	3,543	4,276	4,058	4,495	4,098	2,784
Other Carrier Personnel ²	17,422	17,477	19,326	27,930	27,444	27,702	28,411	28,144	28,540	29,134
Total Levels I - III	41,040	41,896	42,842	52,722	53,123	54,390	55,321	55,528	55,497	55,030

Notes: R= Revised data. P = Preliminary data.

1 Levels I-III (from 2001): Canadian air carriers that in each of the two calendar years immediately preceding the report year, realized annual gross revenues of \$1 million or more for the air services for which the air carrier held a license.

2 Including maintenance labour, aircraft and traffic servicing, and other personnel.

Sources: 2007-2011: Statistics Canada, Civil Aviation, Annual Operating and Financial Statistics, Canadian Air Carriers, Levels I to III, Cat. 51-004;
2012-2016: Statistics Canada, CANSIM Table 401-0072

Table A12: Average Scheduled Daily Seat-Kilometres, by Air Carrier, Domestic Sector, 2016 and 2017

<i>Airlines¹</i>	<i>Daily Seat-Kilometres² (million)</i>		<i>Percentage Change</i>	<i>Capacity Share (per cent)</i>	
	<i>2016^R</i>	<i>2017</i>		<i>2016^R</i>	<i>2017</i>
Air Canada Family					
Air Canada ³	81.3	84.2	3.6	43.5	42.8
Air Canada Express - Jazz	19.4	21.4	9.9	10.4	10.9
Air Canada Express - Others ⁴	3.2	2.0	(37.7)	1.7	1.0
Total	103.9	107.5	3.5	55.5	54.7
National and Leisure Airlines					
WestJet ⁵	67.5	71.9	6.5	36.1	36.6
Porter Airlines	4.3	4.3	0.0	2.3	2.2
Air Transat ⁶	0.8	1.7	109.8	0.4	0.9
Sunwing Airlines ⁶	1.1	1.0	(2.2)	0.6	0.5
Total	73.7	78.9	7.1	39.4	40.2
Northern Airlines					
First Air	2.0	1.9	(3.4)	1.1	1.0
Canadian North	1.6	1.7	7.2	0.8	0.9
Air North	1.3	1.4	8.3	0.7	0.7
Total	4.9	5.0	3.1	2.6	2.5
Local Service Airlines	4.6	5.0	8.6	2.5	2.6
Grand Total	187.1	196.5	5.0	100.0	100.0

Notes: R= Revised Data.

1 Air Carriers listed are the marketing airlines, with the exception of the Air Canada Family.

2 Daily average seat-kilometres in 2016 and 2017 are based on the full year.

3 Air Canada includes domestic portion of Air Canada rouge flights.

4 Air Canada Express - Others includes services operated for Air Canada by Exploit Valley Air Services, Sky Regional, and Air Georgian.

5 WestJet includes WestJet Encore.

6 Domestic portion of international flights, only those flights designated as scheduled flights are included.

Totals may not add up due to rounding.

Sources: International Air Transport Association (IATA), Schedule Reference Service

Table A13: Competition in the Top 25 Domestic Air Markets as of December 31, 2017

Rank	Market ¹	Daily Seats ² 2017	Percentage change over 2016	----- Capacity Market Shares (per cent) -----				Daily Seats ^{R,2} 2016
				Air Canada ³	WestJet ⁴	Porter Airlines	Others	
1	Toronto, ON - Montreal, QC ^{5,6}	6,187	(0.4)	62.2	20.0	14.0	3.8	6,214
2	Vancouver, BC - Toronto, ON	4,906	7.7	70.3	26.1	0.0	3.6	4,555
3	Toronto, ON - Ottawa, ON ⁵	3,964	(1.9)	50.7	24.6	24.6	0.0	4,040
4	Calgary, AB - Toronto, ON	3,547	4.5	55.3	43.3	0.0	1.4	3,393
5	Vancouver, BC - Calgary, AB	3,486	(1.7)	46.9	51.0	0.0	2.2	3,548
6	Vancouver, BC - Edmonton, AB	2,185	3.1	52.9	46.7	0.0	0.4	2,118
7	Edmonton, AB - Toronto, ON	2,168	3.1	55.9	43.8	0.0	0.3	2,102
8	Toronto, ON - Halifax, NS ⁵	2,008	2.3	64.2	35.2	0.6	0.0	1,962
9	Winnipeg, MB - Toronto, ON ⁵	1,824	2.5	54.9	45.1	0.0	0.0	1,780
10	Calgary, AB - Edmonton, AB	1,724	(1.4)	43.5	51.9	0.0	4.6	1,748
11	Victoria, BC - Vancouver, BC ^{7,8}	1,499	2.5	61.7	24.9	0.0	13.4	1,462
12	Vancouver, BC - Montreal, QC	1,216	20.0	82.9	14.3	0.0	2.8	1,014
13	Vancouver, BC - Kelowna, BC	1,165	22.0	51.9	45.6	0.0	2.6	955
14	Calgary, AB - Winnipeg, MB	1,137	4.7	24.3	75.6	0.0	0.0	1,086
15	Thunder Bay, ON - Toronto, ON ^{4,5}	1,107	3.3	40.1	25.5	34.4	0.0	1,072
16	Montreal, QC - Quebec City, QC	1,093	30.3	71.7	15.5	0.0	12.8	839
17	Toronto, ON - St John's, NL	1,025	(1.6)	70.1	27.8	0.0	2.1	1,042
18	Kelowna, BC - Calgary, AB	1,004	2.1	20.9	79.1	0.0	0.0	984
19	Calgary, AB - Saskatoon, SK	964	(1.2)	31.5	68.5	0.0	0.0	976
20	Toronto, ON - Quebec City, QC ⁵	934	17.7	67.3	22.5	10.2	0.0	793
21	Montreal, QC - Halifax, NS	864	17.5	65.3	14.4	20.4	0.0	735
22	Halifax, NS - St John's, NL	852	(0.5)	46.2	40.9	12.9	0.0	857
23	Victoria, BC - Calgary, AB	850	2.6	23.8	75.9	0.0	0.0	828
24	Ottawa, ON - Halifax, NS	812	1.4	44.3	26.7	29.0	0.0	801
25	Calgary, AB - Regina, SK	798	4.4	27.6	72.4	0.0	0.0	765

Notes: R= Revised data.

1 The top 25 markets are ranked on the number of 2017 daily seats.

2 The number of daily seats is defined as the average number of seats offered on non-stop flights in each direction.

3 Data for Air Canada include the number of seats operated by Air Canada rouge and Air Canada Express.

4 Data for WestJet includes the number of seats operated by WestJet Encore.

5 Includes Toronto Lester B Pearson and Billy Bishop Toronto City Airport.

6 Includes Montréal Pierre Elliot Trudeau and Montréal St-Hubert.

7 Includes Vancouver International and Vancouver Harbour.

8 Includes Victoria International and Victoria Harbour.

Source: International Air Transport Association (IATA)-Schedule Reference Service

Table A14: Top 20 Busiest Canadian Airports in Terms of Enplaned/Deplaned Revenue Passengers, 2008–2017

		(Millions of E/D revenue passengers)										
Ranking												2008-17
Average												CAGR
2008-17	Sector, Airport/Province	2008	2009	2010	2011	2012	2013	2014	2015	2016 ^R	2017 ^P	
1	Toronto Pearson International, ON	30.8	29.3	30.9	32.4	34.1	35.1	37.5	39.6	42.8	45.1	4.3
2	Vancouver International, BC	17.1	15.7	16.3	16.6	17.2	17.5	18.9	19.7	21.3	23.6	3.7
3	Montréal Trudeau International, QC	12.3	11.8	12.6	13.3	13.4	13.5	14.2	14.8	15.7	17.2	3.8
4	Calgary International, AB	12.1	11.6	11.8	12.1	12.9	13.5	14.4	14.6	14.8	15.6	2.8
5	Edmonton International, AB	6.2	6.0	6.0	6.2	6.7	7.2	7.6	7.5	7.0	7.5	2.0
6	Ottawa Macdonald-Cartier Int'l, ON	4.2	4.1	4.2	4.4	4.5	4.4	4.5	4.4	4.6	4.7	1.3
7	Halifax Robert L. Stanfield Int'l, NS	3.5	3.4	3.4	3.5	3.5	3.5	3.6	3.6	3.8	4.0	1.5
8	Winnipeg Richardson Int'l, MB	3.5	3.4	3.4	3.4	3.4	3.4	3.5	3.6	3.8	4.2	1.9
9	Victoria International, BC	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.7	1.8	1.9	2.6
10	Kelowna, BC	1.4	1.3	1.4	1.4	1.4	1.5	1.6	1.6	1.7	1.9	3.6
	Subtotal - Top 10 Airports¹	92.6	88.1	91.4	94.5	98.6	101.2	107.4	111.0	117.4	125.6	3.4
11	St John's International, NL	1.2	1.2	1.3	1.3	1.4	1.5	1.5	1.4	1.5	1.5	2.7
12	Québec City Jean Lesage Int'l, QC	1.1	1.2	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.6	4.0
13	Saskatoon John G. Diefenbaker, SK	1.1	1.1	1.2	1.2	1.3	1.4	1.5	1.4	1.4	1.4	3.0
14	Regina International, SK	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.2	1.3	1.2	2.2
15	Fort McMurray, AB	0.7	0.7	0.7	0.7	0.9	1.1	1.2	1.0	0.7	0.7	0.4
16	Thunder Bay, ON	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	2.2
17	Moncton/Greater Moncton Int'l, NB	0.5	C	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.9
18	Abbotsford, BC	0.5	C	C	C	C	C	C	C	C	C	
19	London, ON	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6
20	Prince George, BC	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	2.0
	Subtotal - Top 20 Airports	100.2	94.8	99.0	102.3	107.0	110.0	116.5	119.8	126.2	134.5	3.3
	Grand Total for All Airports	109.4	104.8	109.1	113.5	119.2	122.7	129.9	133.4	140.2	151.6	3.7
	Top 10's Share (%) of Grand Total	84.7	84.1	83.7	83.3	82.7	82.5	82.7	83.2	83.7	82.9	
	Top 20's Share (%) of Grand Total	91.6	90.5	90.7	90.2	89.7	89.7	89.7	89.8	90.0	88.7	

Notes: R= Revised data. P= Preliminary data. C= Confidential data. E/D= Enplaned/Deplaned passengers. CAGR= Compounded Annual Growth Rate.

1 Toronto Billy Bishop Airport ranks amongst the top 10 airports, but was not included due to confidentiality.

Sources: Transport Canada, adapted from Statistics Canada, "Air Carrier Traffic at Canadian airports", Cat. 51-203, various issues
Transport Canada, ECATS database for 2017 data

Table A15: Top 10 Busiest Canadian Airports in Terms of Enplaned/Deplaned Revenue Passengers, by Sector, 2008–2017

Ranking Average 2008-17		Sector, Airport/Province	(Millions of E/D revenue passengers)									2008-17 CAGR (%)	
			2008	2009	2010	2011	2012	2013	2014	2015	2016 ^R		2017 ^P
Domestic¹													
1		Toronto Pearson International, ON	13.5	12.6	12.7	13.0	13.7	14.3	15.0	15.7	16.7	17.2	2.7
2		Vancouver International, BC	9.1	8.5	8.6	8.6	9.0	9.2	9.9	10.2	10.8	11.7	2.9
3		Calgary International, AB	8.6	8.2	8.1	8.3	8.9	9.4	10.0	10.2	10.5	10.9	2.6
4		Edmonton International, AB	4.9	4.6	4.6	4.7	5.2	5.6	5.9	5.8	5.7	6.2	2.6
5		Montreal Trudeau International, QC	5.0	4.6	4.7	5.0	5.1	5.1	5.4	5.5	6.1	6.6	3.1
6		Ottawa Macdonald-Cartier Int'l, ON	3.1	3.0	3.1	3.2	3.3	3.2	3.3	3.4	3.6	3.8	2.2
7		Winnipeg Richardson International, MB	3.0	2.8	2.8	2.8	2.8	2.7	2.9	3.0	3.2	3.6	2.1
8		Halifax Stanfield International, NS	2.8	2.7	2.8	2.8	2.8	2.8	2.9	2.9	3.2	3.4	2.2
9		Kelowna, BC	1.2	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.7	3.8
10		Victoria International, BC	1.3	1.2	1.2	1.2	1.2	1.2	1.3	1.4	1.5	1.6	2.6
		Subtotal (Domestic)	52.5	49.4	49.8	50.8	53.2	54.9	57.9	59.4	62.8	66.7	2.7
Transborder¹													
1		Toronto Pearson International, ON	8.6	8.0	8.5	8.7	9.3	9.6	10.2	10.8	11.6	12.0	3.8
2		Vancouver International, BC	4.2	3.8	4.0	4.1	4.3	4.2	4.7	4.9	5.2	5.7	3.4
3		Montreal Trudeau International, QC	2.9	2.8	3.1	3.1	3.1	3.2	3.4	3.4	3.5	3.7	2.6
4		Calgary International, AB	2.4	2.3	2.4	2.5	2.7	2.9	3.0	3.0	2.9	3.1	2.5
5		Edmonton International, AB	0.9	1.0	1.0	1.1	1.2	1.2	1.3	1.2	0.9	0.8	(1.6)
6		Ottawa Macdonald-Cartier Int'l, ON	0.7	0.7	0.7	0.7	0.8	0.8	0.7	0.6	0.6	0.5	(3.9)
7		Winnipeg Richardson International, MB	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.4	(1.2)
8		Halifax Robert L. Stanfield Int'l, NS	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	(3.7)
9		Victoria International, BC	0.2	0.2	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	2.5
10		Québec City Jean Lesage Int'l, QC	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2	(0.0)
		Subtotal (Transborder)	21.1	19.8	21.0	21.6	22.7	23.2	24.6	25.1	25.8	27.0	2.8
Other International													
1		Toronto Pearson International, ON	8.7	8.8	9.7	10.6	11.1	11.3	12.3	13.2	14.5	15.8	6.9
2		Montreal Trudeau International, QC	4.3	4.5	4.8	5.2	5.2	5.2	5.4	5.8	6.1	6.9	5.4
3		Vancouver International, BC	3.8	3.4	3.7	3.8	3.9	4.1	4.4	4.7	5.4	6.2	5.6
4		Calgary International, AB	1.1	1.1	1.2	1.3	1.3	1.3	1.4	1.4	1.5	1.7	5.0
5		Ottawa Macdonald-Cartier Int'l, ON	0.3	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	1.7
6		Edmonton International, AB	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.5	0.4	0.4	1.6
7		Québec City Jean Lesage Int'l, QC	0.2	0.3	0.3	0.4	0.3	0.4	0.4	0.4	0.4	0.3	1.3
8		Halifax Robert L. Stanfield Int'l, NS	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0
9		Winnipeg Richardson International, MB	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	6.0
10		St John's International, NL	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	15.4
		Subtotal (Other International)	19.3	19.3	21.0	22.6	23.3	23.6	25.3	27.0	29.2	32.3	5.9
All Sectors													
1		Toronto Pearson International, ON	30.8	29.3	30.9	32.4	34.1	35.1	37.5	39.6	42.8	45.1	4.3
2		Vancouver International, BC	17.1	15.7	16.3	16.6	17.2	17.5	18.9	19.7	21.3	23.6	3.7
3		Montreal Trudeau International, QC	12.3	11.8	12.6	13.3	13.4	13.5	14.2	14.8	15.7	17.2	3.8
4		Calgary International, AB	12.1	11.6	11.8	12.1	12.9	13.5	14.4	14.6	14.8	15.6	2.8
5		Edmonton International, AB	6.2	6.0	6.0	6.2	6.7	7.2	7.6	7.5	7.0	7.5	2.0
6		Ottawa Macdonald-Cartier Int'l, ON	4.2	4.1	4.2	4.4	4.5	4.4	4.5	4.4	4.6	4.7	1.3
7		Halifax Robert L. Stanfield Int'l, NS	3.5	3.4	3.4	3.5	3.5	3.5	3.6	3.6	3.8	4.0	1.5
8		Winnipeg Richardson International, MB	3.5	3.4	3.4	3.4	3.4	3.4	3.5	3.6	3.8	4.2	1.9
9		Victoria International, BC	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.7	1.8	1.9	2.6
10		Kelowna, BC	1.4	1.3	1.4	1.4	1.4	1.5	1.6	1.6	1.7	1.9	3.6
		Subtotal (All Sectors)	92.6	88.1	91.4	94.5	98.6	101.2	107.4	111.0	117.4	125.6	3.4
Grand Total for All Airports													
		Domestic	68.1	64.7	65.8	67.8	71.5	74.1	78.0	79.5	83.4	90.6	3.2
		Transborder	21.7	20.5	22.0	22.8	24.0	24.7	26.2	26.5	27.2	28.2	2.9
		Other International	19.5	19.6	21.4	22.9	23.6	24.0	25.7	27.4	29.6	32.7	5.9
		All Sectors	109.4	104.8	109.1	113.5	119.2	122.7	129.9	133.4	140.2	151.6	3.7
Top 10's Share (%) of Grand Total													
		Domestic	77.1	76.4	75.7	75.0	74.3	74.2	74.3	74.7	75.4	73.6	
		Transborder	97.0	96.4	95.4	94.9	94.5	94.0	94.0	94.7	95.0	95.5	
		Other International	98.7	98.6	98.5	98.5	98.4	98.3	98.4	98.4	98.6	98.7	
		All Sectors	84.7	84.1	83.7	83.3	82.7	82.5	82.7	83.2	83.7	82.9	

Notes: R= Revised data. P= Preliminary data. CAGR= Compounded Annual Growth Rate.

1 Toronto Billy Bishop Airport ranks amongst the top 10 airports, but was not included due to confidentiality.

Sources: Transport Canada, adapted from Statistics Canada, "Air Carrier Traffic at Canadian airports", Cat. 51-203, various issues
Transport Canada, ECATS database for 2017 data

Table A16: Volume of Traffic Carried by Canadian Air Carriers¹, 2008–2017

<i>Year</i>	<i>(Millions)</i>				<i>Goods Tonne-Kilometers</i>
	<i>Passengers</i>	<i>Passenger - Kilometers</i>	<i>Goods (Tonnes)</i>		
2008	57.7	129,600	0.878		1,809
2009	55.0	122,683	0.671		1,628
2010	59.0	136,286	0.790		2,085
2011	62.9	147,107	0.754		2,212
2012	66.9	156,323	0.747		2,266
2013	67.4	155,876	0.715		2,169
2014	72.2	167,108	0.737		2,376
2015	75.5	176,255	0.695		2,283
2016	80.4	191,889	0.724		2,529
2017	86.9	211,966	0.845		3,098
CAGR 2008–2017 (%)	4.7	5.6	(0.4)		6.2

Notes: CAGR = Compounded Annual Growth Rate.

1 Scheduled and charter services, Canadian air carriers Level I to III for 2008 to 2015 and Level I to II for 2016 and 2017.

Sources: 2008-2011: Statistics Canada, Aviation Service Bulletin, Cat. 51-004

2012-2017: Statistics Canada, CANSIM Table 401-0063

Table A17: Top 10 Busiest Canadian Airports in Terms of Loaded/Unloaded Revenue Cargo¹, by Sector, 2008–2017

		(Thousands of Loaded/Unloaded tonnes)										
Ranking		2008	2009	2010	2011	2012	2013	2014	2015 ^R	2016 ^R	2017 ^P	2008-17
Average	Sector, Airport/Province											CAGR
2008-17	Domestic											
1	Vancouver International, BC	66.8	70.4	79.4	77.4	79.1	73.1	83.7	88.5	90.3	103.7	5.0
2	Toronto Pearson International, ON	50.3	58.3	66.3	64.4	67.3	67.7	72.7	79.0	80.6	96.8	7.5
3	Hamilton, ON	67.8	63.9	70.8	66.6	63.2	61.3	63.1	77.1	77.5	75.2	1.2
4	Winnipeg Richardson International, MB	49.0	47.1	53.9	58.1	57.8	51.1	52.2	C	C	C	
5	Calgary International, AB	28.7	32.5	36.7	38.7	40.5	34.8	36.6	38.9	34.9	46.1	5.4
6	Montreal Mirabel, QC	19.1	31.3	34.1	28.4	27.1	27.4	27.7	32.6	C	C	
7	Moncton/Greater Moncton Int'l, NB	17.8	22.0	22.5	23.7	C	C	C	C	C	C	
8	Halifax Robert L. Stanfield Int'l, NS	16.0	20.9	23.6	23.9	23.6	24.5	25.2	22.8	20.4	21.8	3.5
9	Edmonton International, AB	13.5	14.6	16.6	16.2	16.9	17.7	18.1	19.7	C	C	
10	Montreal Trudeau International, QC	16.6	11.6	12.4	11.8	11.4	10.1	13.8	15.7	18.7	21.8	3.1
	Subtotal (Domestic)	345.7	372.6	416.4	409.2	386.8	367.7	393.1	374.2	322.3	365.3	0.6
	Transborder											
1	Toronto Pearson International, ON	126.8	97.0	100.1	94.3	90.2	90.3	91.9	87.3	86.2	93.5	(3.3)
2	Montreal Mirabel, QC	39.5	29.4	34.0	38.0	36.2	36.5	36.1	36.8	C	C	
3	Vancouver International, BC	35.4	28.1	33.0	34.2	32.7	36.6	33.4	39.7	36.0	43.7	2.3
4	Calgary International, AB	26.8	23.3	23.3	24.5	24.9	27.4	22.9	20.7	19.3	21.0	(2.6)
5	Hamilton, ON	9.1	9.2	10.8	18.2	17.3	22.8	25.4	C	C	C	
6	Winnipeg Richardson International, MB	8.7	6.4	7.1	7.1	8.3	8.8	8.1	C	C	C	
7	Edmonton International, AB	1.8	3.4	4.9	5.5	6.5	7.9	8.3	6.9	C	C	
8	Montreal Trudeau International, QC	4.9	3.3	3.0	1.0	1.0	1.3	1.2	0.9	0.6	1.1	(15.1)
9	Ottawa Macdonald-Cartier Int'l, ON	3.0	0.5	0.8	0.7	0.7	0.8	0.8	1.0	C	C	
10	Halifax Robert L. Stanfield Int'l, NS	0.3	0.7	0.5	0.0	0.2	0.0	0.0	0.3	C	C	
	Subtotal (Transborder)	256.3	201.3	217.6	223.4	218.0	232.4	228.1	193.7	142.1	159.3	(5.1)
	Other International											
1	Toronto Pearson International, ON	151.4	143.3	174.0	185.6	188.2	188.4	192.2	201.7	214.9	254.3	5.9
2	Vancouver International, BC	73.1	70.3	84.2	78.9	81.7	85.3	100.1	110.2	120.5	138.7	7.4
3	Montreal Trudeau International, QC	55.5	51.4	61.8	64.2	65.8	65.5	61.7	63.2	70.6	78.1	3.9
4	Calgary International, AB	19.9	17.1	20.5	20.4	18.4	21.4	26.1	22.9	20.3	23.4	1.8
5	Halifax Robert L. Stanfield Int'l, NS	4.5	5.0	3.8	1.7	2.9	3.0	3.4	3.6	C	C	
6	Ottawa Macdonald-Cartier Int'l, ON	1.3	1.7	3.9	2.8	2.1	2.0	2.1	2.5	C	C	
7	Edmonton International, AB	1.9	1.4	1.4	1.2	1.4	1.1	1.2	1.7	C	C	
8	Hamilton, ON	1.0	0.6	0.2	0.6	0.9	2.4	0.5	C	C	C	
9	Montreal Mirabel, QC	1.3	0.1	1.1	0.5	0.6	0.4	0.4	0.7	C	C	
10	Winnipeg Richardson International, MB	0.0	0.0	0.0	0.1	0.4	0.4	0.9	C	C	C	
	Subtotal (Other International)	309.8	290.8	350.9	356.0	362.3	369.8	388.7	406.6	426.3	494.5	5.3
	All Sectors											
1	Toronto Pearson International, ON	328.5	298.5	340.4	344.3	345.7	346.4	356.8	368.0	381.7	444.6	3.4
2	Vancouver International, BC	175.4	168.8	196.6	190.5	193.4	195.0	217.2	238.4	246.8	286.1	5.6
3	Hamilton, ON	77.8	73.7	81.9	85.3	81.3	86.5	89.0	110.8	109.9	99.2	2.7
4	Calgary International, AB	75.4	72.9	80.5	83.5	83.8	83.6	85.5	82.5	74.5	90.5	2.1
5	Montreal Trudeau International, QC	76.9	66.3	77.2	77.0	78.2	76.9	76.7	79.8	89.9	101.1	3.1
6	Montreal Mirabel, QC	59.8	60.8	69.3	66.9	63.8	64.3	64.1	70.2	72.2	77.8	3.0
7	Winnipeg Richardson International, MB	57.7	53.5	61.0	65.2	66.5	60.3	61.2	65.9	84.2	69.2	2.0
8	Halifax Robert L. Stanfield Int'l, NS	20.9	26.7	27.9	25.6	26.7	27.5	28.7	26.7	26.6	28.4	3.5
9	Edmonton International, AB	17.3	19.4	22.9	23.0	24.8	26.7	27.6	28.3	24.8	27.2	5.2
10	Moncton/Greater Moncton Int'l, NB	17.8	22.0	22.5	23.7	22.9	19.8	21.3	29.0	28.8	22.2	2.5
	Subtotal (All Sectors)	907.5	862.6	980.2	985.1	987.1	986.8	1,028.2	1,099.6	1,139.3	1,246.1	3.6
	Grand Total for All Airports											
	Domestic	401.2	431.1	478.7	471.7	475.7	469.9	483.3	528.9	553.0	604.7	4.7
	Transborder	256.7	201.8	218.2	224.1	218.8	233.0	228.8	235.7	226.4	241.5	(0.7)
	Other International	316.7	297.9	355.8	359.5	362.9	370.0	390.3	408.2	436.6	506.3	5.4
	All Sectors	974.6	930.7	1,052.7	1,055.3	1,057.3	1,072.9	1,102.4	1,172.8	1,216.1	1,352.6	3.7
	Top 10's Share (%) of Grand Total											
	Domestic	86.2	86.4	87.0	86.8	81.3	78.2	81.3	70.8	58.3	60.4	0.0
	Transborder	99.8	99.8	99.7	99.7	99.7	99.7	99.7	82.2	62.8	66.0	0.1
	Other International	97.8	97.6	98.6	99.0	99.8	99.9	99.6	99.6	97.6	97.7	0.1
	All Sectors	93.1	92.7	93.1	93.3	93.4	92.0	93.3	93.8	93.7	92.1	0.1

Notes: R= Revised data. P= Preliminary data. C= Confidential data. CAGR= Compounded Annual Growth Rate.

1 Reported tonnage might be underestimated as:

- cargo data were not collected for the smaller scheduled services / or the smaller charter operations.
- some carriers report their data after the submission period. Updated data is published in the next edition.

Sources: Transport Canada, adapted from Statistics Canada, "Air Carrier Traffic at Canadian airports", Cat. 51-203, various issues
Transport Canada, ECATS database for 2017 data

Table A18: Air Exports and Imports, by World Region, 2016 and 2017

(Millions of dollars)

Destination	-----Region of Origin-----		Grand Total	Per Cent of Total
	Eastern Canada	Western Canada		
Exports (2016^R)				
Europe	23,290	2,531	25,820	44.2
United States	17,308	1,172	18,479	31.7
Asia	7,041	1,669	8,709	14.9
Latin America	1,816	281	2,097	3.6
Other	2,548	698	3,246	5.6
Total Exports¹	52,002	6,350	58,352	100.0
Exports (2017^P)				
Europe	24,321	2,831	27,152	46.1
United States	16,475	1,332	17,807	30.2
Asia	6,753	1,889	8,642	14.7
Latin America	1,524	338	1,861	3.2
Other	2,556	889	3,445	5.8
Total Exports¹	51,628	7,279	58,907	100.0
Origin	-----Region of Clearance-----		Grand Total	Per Cent of Total
	Eastern Canada	Western Canada		
Imports (2016^R)				
Europe	18,074	2,143	20,217	30.2
United States	15,250	4,074	19,324	28.9
Asia	13,430	2,923	16,352	24.4
Latin America	6,658	608	7,266	10.9
Other	3,269	502	3,771	5.6
Total Imports	56,681	10,250	66,931	100.0
Imports (2017^P)				
Europe	18,990	2,409	21,399	30.3
United States	14,446	4,766	19,212	27.2
Asia	15,490	3,240	18,730	26.5
Latin America	6,784	594	7,378	10.5
Other	3,362	473	3,835	5.4
Total Imports	59,072	11,482	70,554	100.0

Notes: R= Revised data. P= Preliminary data.

¹ Total exports include domestic exports and re-exports.

Source: Transport Canada, adapted from Statistics Canada, International Trade Database

Table A19: Main Commodity Groups Shipped by Air in Canada's International Trade, 2016 and 2017

	(Millions of dollars)		
	2016 ^a	2017 ^p	Per Cent Change
Exports¹			
Other manufactured and miscellaneous goods	27,206	29,242	7.5
Machinery and electrical equipment	14,286	14,185	(0.7)
Automobiles, parts and other transportation equipment	9,402	8,405	(10.6)
<i>Aviation-related equipment</i>	9,204	8,203	(10.9)
Chemical products, plastics and rubber	4,270	3,980	(6.8)
Agricultural and food products	1,638	1,628	(0.6)
Base metals and articles thereof	662	715	7.9
Waste and scrap material	624	460	(26.3)
Wood and paper products	181	185	2.3
Non-metallic minerals, coal and stone products	77	67	(12.1)
Petroleum products, LNG and other fuels ²	6	30	420.6
Metallic ores	0	11	4,473.9
Total Exports	58,352	58,907	1.0
Imports			
Machinery and electrical equipment	24,403	25,833	5.9
Other manufactured and miscellaneous goods	20,529	21,503	4.7
Chemical products, plastics and rubber	12,051	12,196	1.2
Automobiles, parts and other transportation equipment	6,595	7,278	10.4
<i>Aviation-related equipment</i>	5,862	6,160	5.1
Base metals and articles thereof	1,404	1,550	10.4
Agricultural and food products	808	860	6.4
Waste and scrap material	634	776	22.3
Wood and paper products	281	286	1.7
Non-metallic minerals, coal and stone products	213	238	11.4
Petroleum products, LNG and other fuels ²	12	36	192.5
Metallic ores	0	0	(9.2)
Total Imports	66,931	70,554	5.4

Notes: R= Revised data. P= Preliminary data.

1 Total exports include domestic exports and re-exports.

2 LNG= Liquefied natural gas.

Source: Transport Canada, adapted from Statistics Canada, International Trade Database

MARINE TRANSPORTATION

Table M1: Port Classifications, as of December 31, 2017

	<i>Federal</i>	<i>Provincial</i>	<i>Local</i>	<i>Total</i>
Federal Agency Ports				
Canada Port Authorities	18	N/A	N/A	18
Harbour Authorities	0	N/A	N/A	0
Ports Operated by Transport Canada				
Regional/Local	26	N/A	N/A	26
Remote	21	N/A	N/A	21
Ports Transferred¹				
From Transport Canada	66	43	149	258
Status of Other Former Transport Canada Ports				
Demolished	8	N/A	N/A	8
Interests Terminated	24	N/A	N/A	24
Deproclaimed ²	211	N/A	N/A	211

Notes: N/A = Not available.

Additional detailed information on ports is presented in tables M2 and M3. This includes summaries of the provincial distribution of the ports Transport Canada administered from 2008 to 2017 and the divestiture status of regional/local and remote ports on a regional basis.

1 Includes 20 sites where facilities have been transferred but the harbour bed has not yet been deproclaimed, 65 sites that were transferred to Fisheries and Oceans Canada and one site that was transferred to Health Canada.

2 Public harbours deproclaimed between June 1996 and March 1999.

Source: Transport Canada, Port Program Management

Table M2: Number of Port Sites Under the Control and Administration of Transport Canada, by Province, 2008–2017

(Status as of December 31)

<i>Province</i>	<i>2008</i>	<i>2009</i>	<i>2010</i>	<i>2011</i>	<i>2012</i>	<i>2013</i>	<i>2014</i>	<i>2015</i>	<i>2016</i>	<i>2017</i>
Newfoundland and Labrador	14	14	8	7	7	6	3	3	3	3
Nova Scotia	4	4	2	2	2	2	2	2	1	1
Prince Edward Island	2	2	1	1	1	0	0	0	0	0
New Brunswick	0	0	0	0	0	0	0	0	0	0
Quebec	31	31	31	27	26	25	25	25	25	24
Ontario	9	9	8	8	8	8	8	8	7	7
Manitoba	1	1	1	1	1	1	1	1	1	1
Saskatchewan	0	0	0	0	0	0	0	0	0	0
Alberta	1	1	1	1	1	1	1	1	1	1
British Columbia	15	16	15	15	15	13	10	10	10	10
Northwest Territories	0	0	0	0	0	0	0	0	0	0
Total	77	78	67	62	61	56	50	50	48	47

Source: Transport Canada, Port Program Management

Table M3: Divestiture Status of Transport Canada Regional/Local and Remote Ports as of December 31, 2017

Region	Transferred to Provinces	Transferred to	Divested to	Demolished	Transport Canada Interests			Remaining	Total	Partial Divestitures (not counted in transfer total) ²
		Other Federal Departments	Local Interests		Terminated	Deproclaimed ¹	Terminated			
Atlantic	35	5	41	1	14	160	4	260	8	
Quebec	7	2	15	3	0	23	24	74	7	
Ontario	1	4	21	1	4	17	7	55	15	
Manitoba	0	0	0	0	0	0	1	1	0	
Prairie/Northern	0	55	0	0	0	1	1	57	0	
Pacific	0	0	72	4	6	10	10	102	14	
Total	43	66	149	9	24	211	47	549	44	

Notes:

- Does not include deproclamation of 26 harbours found during subsequent archival research, nor the 20 sites where facilities have been transferred but cannot be deproclaimed because the harbour bed has not yet been divested.
- In some port divestitures, harbour beds were not transferred, therefore those would be considered partial divestitures.

Source: Transport Canada, Port Program Management

Table M4: Canada Port Authorities (CPA) Financial Results, 2016

(Thousands of dollars, except where indicated)

Financial Information	Vancouver	Montreal	Halifax	Quebec			Prince Rupert	Port		Hamilton	
				City	Saint John	St. John's		Alberni	Hamilton		
Operating revenues	235,163	106,701	40,822	31,739	18,613	7,492	67,289	5,376	29,631		
Operating expenses	121,309	79,927	30,360	27,822	16,331	5,439	30,985	5,276	19,751		
Operating income	113,854	26,774	10,462	3,917	2,282	2,053	36,304	100	9,880		
Gross revenue charge	6,711	4,152	1,850	1,272	554	151	3,319	104	1,184		
Other revenues/(expenses)	(7,162)	1,049	310	762	960	(883)	17,453	22	(127)		
Comprehensive Income	99,981	23,671	8,922	3,407	2,688	1,019	50,438	18	8,569		
<i>Other Information</i>											
Acquisition of capital assets	61,169	86,942	8,150	7,948	7,426	460	12,244	1,734	19,919		
Total assets	1,625,711	417,281	225,170	166,002	97,510	38,684	237,768	16,373	141,728		
Equity	1,413,139	326,721	171,405	99,713	93,475	34,143	182,362	10,782	130,557		
<i>Ratios</i>											
Operating ratio	51.6%	74.9%	74.4%	87.7%	87.7%	72.6%	46.0%	98.1%	66.7%		
Return on assets	6.1%	5.7%	4.0%	2.1%	2.8%	2.6%	21.2%	0.1%	6.0%		
Financial Information	Nanaimo	Thunder Bay		Toronto	Windsor	Saguenay	Sept-Îles	Trois-Rivières		Oshawa	Total
		Bay	Bay					Rivières	Belledune		
Operating revenues	8,965	3,135	59,696	1,512	2,613	8,211	6,811	8,335	1,712	643,816	
Operating expenses	9,204	2,870	49,848	1,387	2,281	6,524	5,087	5,477	1,918	421,796	
Operating income	(239)	265	9,848	125	332	1,687	1,724	2,858	(206)	222,020	
Gross revenue charge	179	75	3,294	33	55	183	143	170	33	23,462	
Other revenues/(expenses)	(147)	323	4,690	124	31	6,711	202	(329)	(4,192)	19,797	
Comprehensive Income	(565)	513	11,244	216	308	8,215	1,783	2,359	(4,431)	218,355	
<i>Other Information</i>											
Acquisition of capital assets	845	873	26,635	517	2,453	1,329	20,574	890	3	260,111	
Total assets	33,202	43,072	256,799	13,718	28,963	340,984	89,701	72,708	10,311	3,855,685	
Equity	29,390	42,161	123,454	12,476	23,815	79,386	64,035	49,283	4,043	2,890,340	
<i>Ratios</i>											
Operating ratio	102.7%	91.5%	83.5%	91.7%	87.3%	79.5%	74.7%	65.7%	112.0%	65.5%	
Return on assets	(1.7%)	1.2%	4.4%	1.6%	1.1%	2.4%	2.0%	3.2%	(43.0%)	5.7%	

Sources: CPAs 2016 Audited Financial Statements

Table M5: Canada Port Authorities (CPA) Financial Comparison, 2015 and 2016

(Thousands of dollars)

CPAs	Operating Revenues		Operating Expenses		Gross Revenue Charge		Other revenues/(expenses)		Comprehensive Income	
	2016	2015 ^R	2016	2015 ^R	2016	2015	2016	2015 ^R	2016	2015 ^R
Vancouver	235,163	239,188	121,309	118,464	6,711	6,786	(7,162)	(8,332)	99,981	105,606
Montreal	106,701	102,637	79,927	79,230	4,152	4,073	1,049	22,948	23,671	42,282
Halifax	40,822	35,438	30,360	28,877	1,850	1,524	310	(626)	8,922	4,411
Quebec	31,739	26,020	27,822	27,046	1,272	974	762	(807)	3,407	(2,807)
Saint John	18,613	17,612	16,331	15,005	554	511	960	509	2,688	2,605
St. John's	7,492	7,412	5,439	6,521	151	150	(883)	76	1,019	817
Prince Rupert	67,289	53,117	30,985	26,246	3,319	2,605	17,453	1,876	50,438	26,142
Port Alberni	5,376	4,985	5,276	4,987	104	100	22	35	18	(67)
Hamilton	29,631	23,213	19,751	19,491	1,184	801	(127)	463	8,569	3,384
Nanaimo	8,965	8,767	9,204	8,967	179	176	(147)	(47)	(565)	(423)
Thunder Bay	3,135	2,981	2,870	2,746	75	72	323	617	513	780
Toronto	59,696	57,121	49,848	48,320	3,294	2,748	4,690	(211)	11,244	5,842
Windsor	1,512	1,681	1,387	1,346	33	38	124	195	216	492
Saguenay	2,613	2,817	2,281	2,379	55	60	31	9	308	387
Sept-Îles	8,211	7,423	6,524	7,049	183	152	6,711	(3,264)	8,215	(3,042)
Trois-Rivières	6,811	6,876	5,087	5,491	143	149	202	142	1,783	1,378
Belledune	8,335	7,727	5,477	5,262	170	158	(329)	(800)	2,359	1,507
Oshawa	1,712	1,656	1,918	1,875	33	33	(4,192)	18	(4,431)	(234)
Total	643,816	606,671	421,796	409,302	23,462	21,110	19,797	12,801	218,355	189,060

Note: R= Revised data.

Sources: CPAs 2015 and 2016 Audited Financial Statements

Table M6: Financial Results for Transport Canada Ports, 2008/2009 - 2017/2018

(Millions of dollars)

	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18 ^F
Revenues	10.7	10.2	10.5	10.4	9.3	8.8	8.7	8.1	8.1	8.2
Expenses	21.3	19.3	18.5	12.3	12.1	12.2	11.6	11.7	12.2	12.9
Operating Income	(10.6)	(9.1)	(8.0)	(1.9)	(2.8)	(3.4)	(2.9)	(3.6)	(4.1)	(4.7)
Capital Expenditures	21.5	16.3	7.6	11.6	6.2	11.9	8.4	4.8	3.9	4.6
Grants and Contributions	0.4	23.8	14.5	28.2	12.9	24.3	3.0	0.1	5.4	7.1
Net Income	(32.5)	(49.2)	(30.1)	(41.7)	(21.9)	(39.6)	(14.3)	(8.4)	(13.4)	(16.4)

Note: F= Forecast (as of December 31, 2017).

Source: Transport Canada, Air and Marine Programs

Table M7: St. Lawrence Seaway Financial Performance, 2007/08–2016/17

(Thousands of dollars)

<i>Year</i>	<i>Revenues</i>	<i>Expenditures</i>	<i>Excess of Revenue Over Expenses</i>	<i>Net Excess of Revenue Over Expenses²</i>
2007/08	78,097	102,876	(24,779)	(5,255)
2008/09	70,959	115,108	(44,149)	(1,270)
2009/10	55,247	111,803	(56,556)	(2,440)
2010/11	65,952	117,916	(51,964)	15,108
2011/12	68,165	129,381	(61,216)	5,376
2012/13	72,010	133,580	(61,570)	10,837
2013/14	68,526	160,768	(92,242)	16,297
2014/15	77,894	169,687	(91,793)	20,083
2015/16 ¹	71,894	179,359	(107,465)	23,058
2016/17	70,693	163,551	(92,858)	20,444

Notes: Fiscal year from April 1st to March 31st.

1 Revenues for the 2015/16 fiscal year consist primarily of tolls collected during the 2015 navigation season, which ended on December 30, 2015.

2 Following contribution from Capital Trust Fund.

Source: St. Lawrence Seaway Management Corporation

Table M8: Pilotage Authorities Financial Results, 2008–2017

(Thousands of dollars)

<i>Pilotage Authority</i>		<i>2008</i>	<i>2009</i>	<i>2010</i>	<i>2011</i>	<i>2012</i>	<i>2013</i>	<i>2014</i>	<i>2015</i>	<i>2016</i>	<i>2017</i>
Atlantic (APA)	Revenues	17,956	19,648	21,584	22,041	20,341	21,576	22,562	22,673	24,093	27,793
	Expenditures	18,718	18,339	19,208	20,148	20,483	21,475	23,180	23,224	22,896	24,880
	Net Income (loss)	(762)	1,309	2,376	1,893	(142)	101	(618)	(551)	1,197	2,913
Laurentian (LPA)	Revenues	67,824	62,886	69,241	77,399	78,752	78,066	85,136	86,229	91,430	95,017
	Expenditures	62,739	59,691	64,054	72,030	76,020	76,554	83,045	82,597	89,890	94,709
	Net Income (loss)	5,085	3,195	5,187	5,369	2,732	1,512	2,091	3,632	1,540	308
Great Lakes (GLPA)	Revenues	16,221	13,770	20,089	19,599	20,558	22,223	26,602	25,554	25,888	30,283
	Expenditures	16,458	15,635	18,076	18,945	20,182	21,323	25,266	25,906	26,742	29,588
	Net Income (loss)	(237)	(1,865)	2,013	654	376	900	1,336	(352)	(854)	695
Pacific (PPA)	Revenues	55,076	55,925	59,212	61,758	64,576	71,959	74,689	73,016	76,552	85,795
	Expenditures	53,146	51,990	55,973	58,801	63,123	72,313	78,193	77,411	80,330	86,541
	Net Income (loss)	1,930	3,935	3,239	2,957	1,453	(354)	(3,504)	(4,395)	(3,778)	(756)
Total All Authorities	Revenues	157,077	152,229	170,126	180,797	184,227	193,824	208,989	207,472	217,963	238,888
	Expenditures	151,061	145,655	157,279	169,924	179,808	191,665	209,684	209,138	219,858	235,718
	Net Income (loss)	6,016	6,574	12,847	10,873	4,419	2,159	(695)	(1,666)	(1,895)	3,170

Sources: Pilotage Authorities' Annual Reports, various years

Table M9: Total Pilotage Assignments and Assignments Per Pilot, 2008–2017

<i>Pilotage Authority</i>	<i>Indicators</i>	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Atlantic (APA)	Number of Pilots ¹	57	58	59	45	55	52	56	58	58	59
	Total Assignments	9,541	9,063	9,338	8,997	8,254	8,338	8,472	8,348	7,959	8,809
	Assignments per Pilot	167	156	158	199	150	160	151	144	137	149
Laurentian (LPA)	Number of Pilots ²	181	175	191	185	187	188	187	184	185	192
	Total Assignments	22,658	19,611	21,096	22,729	22,096	20,915	22,386	21,468	22,432	22,732
	Assignments per Pilot	125	112	110	123	118	111	120	117	121	118
Great Lakes (GLPA)	Number of Pilots ³	63	57	57	57	56	56	56	56	60	60
	Total Assignments	5,989	4,468	6,059	6,389	6,358	6,403	7,462	7,166	7,020	7,636
	Assignments per Pilot	96	79	107	113	114	114	133	128	136	143
Pacific (PPA)	Number of Pilots ⁴	106	106	105	105	105	107	106	106	111	122
	Total Assignments	12,598	11,124	11,688	12,522	12,292	12,840	13,264	12,892	12,661	13,397
	Assignments per Pilot	119	114	119	101	123	120	125	122	114	110
Total All Authorities	Number of pilots	407	396	412	392	403	403	405	404	414	433
	Total Assignments	50,786	45,188	48,181	50,637	49,000	48,496	51,584	49,874	50,072	52,574
	Assignments per Pilot	125	114	121	121	123	120	127	123	121	122

Notes:

- 1 Atlantic Pilotage Authority: Employee pilots and entrepreneur pilots.
- 2 Laurentian Pilotage Authority: Contract pilots and apprentice pilots.
- 3 Great Lakes Pilotage Authority: Employee pilots (FTEs) and apprentice pilots.
- 4 Pacific Pilotage Authority: Employee pilots (FTEs) and contract pilots.

Sources: Pilotage Authorities' Annual Reports, various years

Table M10: Canadian-Registered Fleet, by Vessel Type, 1997, 2007 and 2017

<i>Type of Carriers</i>	<i>Gross Tons (Thousands of tons)</i>			<i>Number of Vessels</i>		
	1997	2007	2017	1997	2007	2017
Dry Bulk	1,289	1,096	1,023	72	62	49
Tankers	221	515	479	20	23	28
General Cargo	131	132	306	16	19	32
Ferries	345	428	314	60	72	60
Other	33	38	219	6	6	20
Total	2,019	2,209	2,341	174	182	189

Note: Self-propelled passenger and cargo vessels of 1,000 gross tons and over, including government-owned ferries; excluding tugs, fishing vessel, etc.

Source: Transport Canada, Canadian Register of Vessels

Table M11: Number of Vessel Trips in Canadian Water, by Vessel Type, 2015–2017

<i>Vessel Type</i>	2015	2016	2017
Bulk Carriers	12,293	13,373	14,231
Cargo	898	978	1,065
Container	5,374	6,258	6,192
Tankers	5,641	6,890	6,947
Tugs	22,073	23,157	23,615
Total	46,279	50,656	52,050

Note:

Due to a provider change, data for March 2016 is unavailable and was therefore imputed from a random sample of trips that occurred in March 2015 and 2017.

Source: Transport Canada, Automated Information System (AIS)

Table M12: Number of Vessel Trips in Canadian Waters, by Vessel Flag, 2015–2017

<i>Vessel Flag</i>	2015	2016	2017
Canada	27,013	28,960	29,156
United States	1,769	1,628	1,691
Other International	17,497	20,068	21,203
Total	46,279	50,656	52,050

Note:

Due to a provider change, data for March 2016 is unavailable and was therefore imputed from a random sample of trips that occurred in March 2015 and 2017.

Source: Transport Canada, Automated Information System (AIS)

Table M13: Total Tonnage Handled by Canada's Port Authorities (CPAs), 2009–2017

<i>Year</i>	<i>Tonnage Carried (millions)</i>	<i>Growth Rate (%)</i>
2009	249.0	
2010	286.2	15.0
2011	303.0	5.8
2012	310.2	2.4
2013	313.7	1.1
2014	311.4	(0.7)
2015	307.3	(1.3)
2016	311.2	1.3
2017 ^P	335.4	7.8
CAGR 2009-17	3.8%	

Notes: P= Preliminary data. CAGR= Compound Annual Growth Rate.

1 Data include transshipment within the port

Sources: Transport Canada, Canada's Port Authorities

Table M14: St. Lawrence Seaway Cargo Traffic, 2008–2017

	<i>(Millions of tonnes)</i>	
	<i>Montreal-Lake Ontario Section</i>	<i>Welland Canal Section</i>
2008	29.4	33.6
2009	20.7	26.4
2010	26.9	29.2
2011	28.7	29.6
2012	31.4	30.0
2013	28.6	29.2
2014	30.1	31.8
2015	27.4	28.2
2016	27.1	26.2
2017 ^P	28.8	30.2

Note: P= Preliminary data.

Source: St. Lawrence Seaway Management Corporation - Seaway Traffic Reports

Table M15: St. Lawrence Seaway Traffic¹, by Commodity, 2008–2017

(Millions of tonnes)

<i>Year</i>	<i>Grain</i>	<i>Iron Ore</i>	<i>General Cargo</i>	<i>Coal</i>	<i>Other</i>	Total
2008	7.6	11.9	1.9	3.6	15.7	40.8
2009	8.2	7.0	0.9	2.9	11.7	30.7
2010	9.2	9.7	1.5	3.7	12.3	36.5
2011	8.6	8.8	1.9	3.7	14.4	37.5
2012	8.6	10.3	2.0	4.6	13.5	39.0
2013	8.4	9.9	1.6	4.5	12.6	37.0
2014	12.1	6.9	3.2	4.2	13.6	39.9
2015	10.9	7.2	2.7	2.5	13.0	36.2
2016 ^R	11.3	6.2	2.6	2.3	12.6	35.0
2017 ^P	10.1	8.0	3.4	2.3	14.3	38.1

Notes: R= Revised data. P= Preliminary data.

1 Combined traffic on the two sections of the Seaway.

Source: St. Lawrence Seaway Management Corporation - The St. Lawrence Seaway Traffic Report

Table M16: International Cruise Ship Traffic at Selected Canadian Ports, 2008–2017

(Thousands of passengers)

<i>Year</i>	<i>Vancouver</i>	<i>Victoria</i>	<i>Montreal</i>	<i>Quebec City</i>	<i>Halifax</i>	<i>Sydney</i>	<i>Saint John</i>
2008	854.5	398.7	39.6	82.1	228.1	75.6	181.9
2009	898.5	449.0	38.8	87.0	227.8	62.1	186.5
2010	580.0	441.0	40.1	102.2	261.2	68.8	205.9
2011	663.4	439.6	38.0	83.0	243.6	67.6	184.8
2012	666.2	503.7	54.8	117.0	252.8	86.7	187.9
2013	812.4	450.0	55.6	122.7	252.1	99.4	166.6
2014	812.1	467.0	56.5	135.0	217.3	82.6	106.5
2015	805.4	563.1	71.3	122.0	222.3	89.7	119.2
2016 ^R	826.8	550.0	69.2	108.9	238.2	82.2	143.9
2017 ^P	842.9	N/A	91.6	145.6	292.7	118.4	176.0

Notes: R= Revised data. P= Preliminary data. N/A= Not available.

Sources: Canadian Port Authorities (CPA) web sites data & Greater Victoria Harbour Authority

Table M17: Canada's Marine Traffic Handled by Canada Port Authorities (CPAs), 2009–2017

	(Millions of tonnes)									
<i>Port</i>	2009	2010	2011	2012	2013	2014	2015	2016	2017 ^P	<i>CAGR</i>
Vancouver-Fraser ¹	101.9	118.5	122.5	123.9	135.0	139.6	138.2	135.5	142.1	4.2
Montreal	24.5	25.9	28.5	28.4	28.2	30.4	32.0	35.4	38.0	5.6
Saint John	26.9	30.5	31.8	27.7	27.7	23.9	26.4	26.4	30.5	1.6
Quebec	22.1	24.6	29.0	33.1	27.1	24.3	21.4	24.8	27.5	2.8
Prince Rupert	12.1	16.4	19.3	22.3	23.1	20.7	19.7	18.9	24.3	9.1
Sept-Îles	19.8	25.1	26.0	27.9	27.7	23.8	22.7	22.9	24.2	2.5
Port Hamilton	8.4	11.5	10.0	10.3	10.0	10.5	9.2	9.3	9.9	2.1
Halifax	9.6	9.5	9.5	9.5	8.6	7.8	7.6	8.3	8.9	(1.0)
Port Thunder Bay	7.3	6.9	7.6	7.8	6.5	9.3	8.9	8.8	8.8	2.4
Port Nanaimo	1.5	2.4	3.2	3.0	3.8	4.1	4.9	5.4	5.6	17.5
Port Windsor	4.9	5.3	5.1	5.5	6.0	5.4	5.6	4.8	5.1	0.5
Trois Rivières	2.6	3.0	3.3	3.4	2.7	3.8	3.1	2.8	2.6	0.1
Port Toronto	1.6	1.5	1.7	1.9	1.6	1.9	1.7	1.8	2.2	3.7
Belledune	2.6	2.1	2.1	1.9	1.7	1.7	1.8	2.0	2.0	(3.1)
St-John's	1.4	1.5	1.4	1.4	1.8	1.7	1.8	1.7	1.7	2.4
Port Alberni	1.1	1.0	1.5	1.6	1.8	1.7	1.6	1.6	1.3	2.7
Port Oshawa	0.3	0.3	0.3	0.5	0.3	0.4	0.4	0.4	0.4	4.9
Saguenay	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.4
Total des APC	249.0	286.2	303.0	310.2	313.7	311.4	307.3	311.2	335.4	3.8

Notes: P= Preliminary data. CAGR= Compound Annual Growth Rate.

Totals may not add up due to rounding.

1 Data include transshipments within the port.

Sources: Transport Canada, Canada's Port Authorities

Table M18: Canada's Leading Ports Handling Containerized Freight, 2009–2017

	(Thousands of TEUs)									
<i>Leading Ports</i>	2009	2010	2011	2012	2013	2014	2015	2016	2017	
Vancouver										
Total containers	2,152.5	2,514.3	2,507.0	2,713.1	2,825.5	2,919.9	3,054.5	2,929.6	3,241.5	
Empty containers	219.7	340.3	272.7	314.7	281.3	368.1	446.0	323.0	472.8	
Montreal										
Total containers	1,247.7	1,331.4	1,363.0	1,364.3	1,346.1	1,402.4	1,446.1	1,447.6	1,537.7	
Empty containers	143.8	168.1	143.9	187.7	159.1	168.5	177.0	179.6	185.8	
Prince Rupert										
Total containers	265.2	343.4	410.5	564.9	536.4	618.2	776.4	736.7	926.5	
Empty containers	70.0	86.7	76.9	122.3	83.0	102.3	186.9	133.2	236.6	
Halifax										
Total containers	346.5	434.9	409.8	416.2	441.7	399.6	418.2	480.7	559.2	
Empty containers	56.8	86.0	74.6	67.0	67.7	60.5	69.5	67.1	85.8	
Saint John										
Total containers	44.4	46.3	44.4	51.0	76.3	89.6	97.1	90.3	57.4	
Empty containers	21.6	21.8	21.7	24.8	34.8	41.9	46.7	42.2	25.0	
Total										
Total containers	4,056.3	4,670.2	4,734.6	5,109.5	5,225.9	5,429.7	5,792.2	5,684.8	6,322.3	
Empty containers	512.1	702.9	589.8	716.4	626.0	741.2	926.1	745.1	1,006.0	

Note: TEUs= Twenty-foot Equivalent Units.

All other Canadian ports handling containers represent less than 3% of all TEUs.

Source: Transport Canada, Canada's Port Authorities

Table M19: Main Commodities Shipped in Canada's International Marine Trade, by Market, 2017

	(Millions of dollars)			(Percentage Share in Per Cent)		
	<i>Marine Exports¹</i>	<i>Marine Imports</i>	<i>Marine Total</i>	<i>Marine Exports</i>	<i>Marine Imports</i>	<i>Marine Total</i>
<i>Canada/U.S.</i>						
Petroleum products, LNG and other fuels	14,689	7,083	21,772	75.7	69.9	73.7
Base metals and articles thereof	2,283	15	2,298	11.8	0.1	7.8
Metallic ores	139	1,226	1,365	0.7	12.1	4.6
Non-metallic minerals, coal and stone products	624	728	1,352	3.2	7.2	4.6
Chemical products, plastics and rubber	270	606	877	1.4	6.0	3.0
Agricultural and food products	522	233	756	2.7	2.3	2.6
Machinery and electrical equipment	284	80	364	1.5	0.8	1.2
Waste and scrap material	251	16	267	1.3	0.2	0.9
Wood and paper products	208	20	228	1.1	0.2	0.8
Automobiles, parts and other transportation equipment	36	92	127	0.2	0.9	0.4
Other manufactured and miscellaneous goods	95	32	127	0.5	0.3	0.4
Total Canada/U.S. Marine Trade	19,402	10,130	29,532	100.0	100.0	100.0
<i>Canada/Other Countries</i>						
Agricultural and food products	27,823	12,110	39,933	33.9	11.4	21.2
Machinery and electrical equipment	4,181	16,893	21,074	5.1	15.9	11.2
Other manufactured and miscellaneous goods	1,854	18,315	20,170	2.3	17.2	10.7
Automobiles, parts and other transportation equipment	4,441	15,306	19,746	5.4	14.4	10.5
Chemical products, plastics and rubber	6,298	13,364	19,662	7.7	12.6	10.4
Petroleum products, LNG and other fuels	3,060	13,201	16,261	3.7	12.4	8.6
Base metals and articles thereof	5,566	10,255	15,821	6.8	9.6	8.4
Wood and paper products	11,129	2,044	13,174	13.6	1.9	7.0
Metallic ores	8,183	1,864	10,048	10.0	1.8	5.3
Non-metallic minerals, coal and stone products	7,078	2,512	9,590	8.6	2.4	5.1
Waste and scrap material	2,454	436	2,890	3.0	0.4	1.5
Total Canada/Other Countries Marine Trade	82,066	106,302	188,368	100.0	100.0	100.0

Notes: Preliminary data for 2017. LNG= Liquefied natural gas.

1 Including domestic exports and re-exports.

2 Marine imports from countries other than the U.S. might be underestimated. In the case of imports, the mode of transport represents the last mode (often truck) by which the cargo was transported to the port of clearance in Canada and is derived from the cargo control documents of customs. This may not be the mode of transport by which the cargo arrived at the Canadian port of entry in the case of inland clearance. This may, therefore, lead to some underestimation of Canadian imports by the marine and air transport modes.

Source: Transport Canada, adapted from Statistics Canada, International Trade Database

Table M20: End-to-End Transit Times from Shanghai to Toronto via British Columbia Ports Using a Direct Rail Model, 2010–2017

<i>Month</i>	(Number of days)								<i>Change 2017/2016 (Per cent)</i>
	<i>2010</i>	<i>2011</i>	<i>2012</i>	<i>2013</i>	<i>2014</i>	<i>2015</i>	<i>2016</i>	<i>2017</i>	
January	23.0	22.8	24.5	23.4	26.1	26.9	26.1	25.2	(3.4)
February	21.2	23.4	23.9	25.5	28.0	29.8	24.9	26.1	4.8
March	21.0	22.7	22.3	25.3	27.5	30.1	24.2	26.9	11.2
April	21.6	22.6	23.5	24.3	27.4	25.5	23.2	26.7	15.1
May	22.1	21.7	23.1	23.6	24.3	25.1	23.2	24.0	3.4
June	22.1	21.1	25.0	23.4	23.8	24.8	24.1	24.3	0.8
July	22.4	20.6	23.8	23.4	25.7	23.2	24.6	23.8	(3.3)
August	21.3	21.3	23.2	24.3	28.0	23.3	24.2	24.0	(0.8)
September	21.4	22.9	22.8	24.5	27.1	24.1	22.0	26.7	21.4
October	22.8	22.2	23.5	24.6	25.1	24.6	23.0	23.6	2.6
November	22.2	22.5	23.7	23.9	24.6	23.6	24.0	25.0	4.2
December	22.8	23.4	23.8	25.1	27.5	24.5	26.5	24.0	(9.4)
Annual Average	22.0	22.3	23.6	24.3	26.2	25.4	24.2	25.0	3.3

Source: Transport Canada, Policy Group

Table M21: Key Performance Indicators for Selected Intermodal Container Ports, 2017**British Columbia Ports¹**

<i>Indicators</i>	<i>2017</i>	<i>2014-16 Average</i>
Container volumes - TEUs	4,165,949	3,666,041 ^a
Import Share - %	54	54
Import rail container dwell time - days	3.8	3.6
Vessel on-time performance - %	49.6	51.8
End-to-end transit time – Shanghai to Chicago - days	24.5	24.8
U.S. comparison – Shanghai to Chicago via Seattle/Tacoma - days	26.5	25.8
U.S. comparison – Shanghai to Chicago via LA/Long Beach - days	24.6	25.0

Canadian East Coast Ports²

<i>Indicators</i>	<i>2017</i>	<i>2016</i>
Container volumes - TEUs	2,080,557	1,918,528
Import Share - %	49	49
Import rail container dwell time - days	2.4	2.1
End-to-end transit time – Antwerp to Chicago - days	18.5	17.4

Notes: TEUs= Twenty-foot Equivalent Units.

1 Port of Vancouver and Prince Rupert.

2 Port of Montreal and Halifax.

a 2016 container volumes.

Sources: Transport Canada; Canada Port Authorities; Class I Railways

RAIL TRANSPORTATION

Table RA1: Length of Railways in Canada, 2016

	2016 Total Kilometres of First Main Track ^R	2015 Total Kilometres of First Main Track ^R	Percent of Total 2016 ^R	Percentage Change Over Previous Year ^R
CN	21,782	21,808	52.2	(0.1)
CPR	12,856	13,104	30.8	(1.9)
VIA Rail	285	308	0.7	(7.6)
Regional and Shortline Railways	6,788	7,842	16.3	(13.4)
Total	41,711	43,062	100.0	(3.1)

Notes: R= Revised data. CN= Canadian National. CPR= Canadian Pacific Railway.
Length of track does not include parallel trackage, spurs, sidings and yard trackage.

Source: Transport Canada, Statistics Canada CANSIM 404-0011

Table RA2: Railway Revenues, 2007–2016

	(Millions of dollars)									
	2007	2008	2009	2010	2011	2012	2013	2014	2015 ^R	2016
CN	5,371	5,720	5,029	5,611	6,202	6,821	7,179	8,135	8,292	7,980
CPR	4,035	4,164	3,349	3,796	3,930	4,279	4,525	4,809	4,798	4,609
VIA	475	503	482	525	532	545	568	585	568	580
Subtotal - Class I	9,881	10,387	8,860	9,931	10,664	11,645	12,271	13,530	13,658	13,169
Regional	230	239	228	288	354	355	385	379	327	257
Shortlines	413	367	328	368	362	348	373	449	441	404
Total	10,523	10,992	9,417	10,587	11,380	12,348	13,029	14,357	14,426	13,830

Notes: R= Revised data. CN= Canadian National. CPR= Canadian Pacific Railway. VIA= VIA Rail Canada.

Revenues are tabulated as per Uniform Classification of Accounts requirements.

Excludes tour operators.

Sources: Transport Canada, Statistics Canada

Table RA3: Railway Fleet, 2007–2016

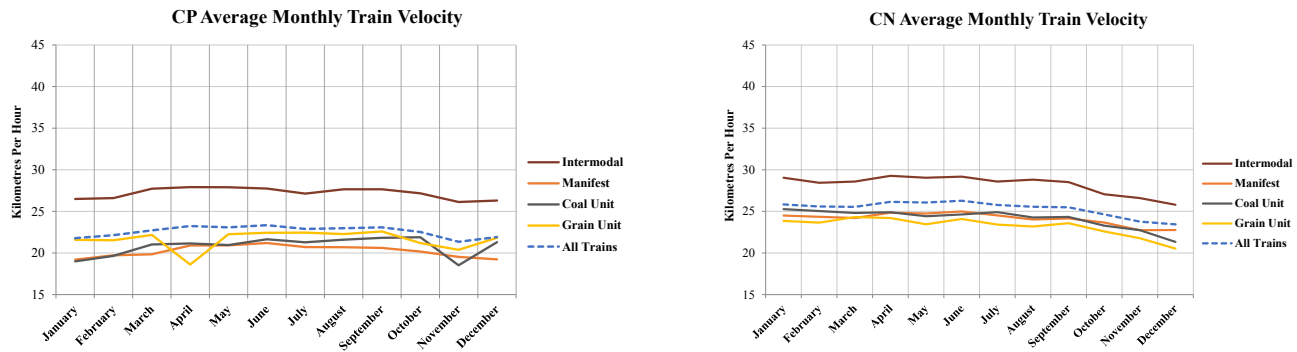
	2007	2008	2009	2010	2011	2012	2013	2014 ^R	2015 ^R	2016
Locomotives										
<i>Freight or Passenger</i>										
Class I	2,166	2,113	2,109	1,910	1,951	2,361	2,428	2,421	2,394	2,366
Class II	321	305	278	284	273	294	330	336	413	400
Total	2,487	2,418	2,387	2,194	2,224	2,655	2,758	2,757	2,807	2,766
<i>Switching and other uses</i>										
Class I	525	502	477	863	821	468	396	370	365	479
Class II	126	114	99	93	83	70	76	67	55	55
Total	651	616	576	956	904	538	472	437	420	534
<i>Total Locomotives</i>										
Class I	2,691	2,615	2,586	2,773	2,772	2,829	2,824	2,791	2,759	2,845
Class II	447	419	377	377	356	364	406	403	468	455
Total	3,138	3,034	2,963	3,150	3,128	3,193	3,230	3,194	3,227	3,300
Passenger Cars										
Class I	528	527	544	505	506	507	519	519	519	487
Class II	86	66	58	59	57	57	52	68	64	64
Total	614	593	602	564	563	564	571	587	583	551
Freight Cars										
<i>Boxcars</i>										
Class I	16,460	13,448	12,687	13,443	13,177	12,861	10,947	10,641	9,822	8,349
Class II	2,982	2,368	2,564	1,379	1,275	1,289	1,311	2,052	2,377	2,706
Total	19,442	15,816	15,251	14,822	14,452	14,150	12,258	12,693	12,199	11,055
<i>Flatcars</i>										
Class I	17,300	15,301	13,578	12,682	13,142	12,770	12,143	12,091	12,191	12,447
Class II	1,811	1,679	1,451	1,117	702	710	609	804	726	622
Total	19,111	16,980	15,029	13,799	13,844	13,480	12,752	12,895	12,917	13,069
<i>Gondolas</i>										
Class I	11,002	12,953	12,180	11,218	10,934	10,378	8,687	8,584	7,796	8,365
Class II	1,239	1,240	231	320	273	272	270	258	292	300
Total	12,241	14,193	12,411	11,538	11,207	10,650	8,957	8,842	8,088	8,665
<i>Hopper Cars</i>										
Class I	35,339	33,825	29,178	27,185	27,781	25,002	21,447	20,204	19,155	18,140
Class II	953	934	927	924	837	837	838	1,002	1,103	911
Total	36,292	34,759	30,105	28,109	28,618	25,839	22,285	21,206	20,258	19,051
<i>Other Freight Cars</i>										
Class I	3,074	140	127	105	99	93	78	73	113	113
Class II	438	508	107	102	85	96	104	98	104	117
Total	3,512	648	234	207	184	189	182	171	217	230
Total Freight Cars										
Class I	83,175	75,667	67,750	64,633	65,133	61,104	53,302	51,593	49,077	47,414
Class II	7,423	6,729	5,280	3,842	3,172	3,204	3,132	4,214	4,602	4,656
Total	90,598	82,396	73,030	68,475	68,305	64,308	56,434	55,807	53,679	52,070

Notes: R= Revised data.

Freight railcars belonging to shippers, including tanker cars, are not included in the table above.

Source: Transport Canada and Statistics Canada, Rail Carrier annual reports

Figure RA4: Average Monthly Train Velocity, by Rail Carrier, 2017



Notes: CP= Canadian Pacific Railway. CN = Canadian National.

Train velocity measures the line-haul movement from origin to destination. The average velocity is calculated by dividing train-miles by total hours operated, excluding yard and local trains, passenger trains, maintenance of way trains. Weekly miles per hour are averaged to produce a monthly estimate and are then converted to kilometres per hour. Estimates are for each carriers' North American rail network.

Sources: Class I rail carriers, adapted by Transport Canada

<http://investor.cpr.ca/key-metrics/default.aspx>

<https://www.cn.ca/en/investors/key-weekly-metrics>

Table RA5: Revenue Tonne-Kilometres, by Railway Sector, 2007–2016

	(Millions)									
	2007 ^R	2008	2009	2010	2011	2012	2013	2014	2015 ^R	2016
Class I	338,344	325,020	288,842	327,832	337,929	356,943	371,799	402,613	399,353	383,505
Regional	13,701	14,337	7,711	9,803	10,392	10,617	11,192	9,553	8,964	9,131
Short Line	5,195	5,462	3,228	3,690	3,668	3,350	3,460	3,536	2,815	2,768
Total	357,241	344,819	299,781	341,324	351,990	370,910	386,451	415,702	411,133	395,405
	(Percentage of total)									
Class I	94.7	94.3	96.4	96.0	96.0	96.2	96.2	96.9	97.1	97.0
Regional	3.8	4.2	2.6	2.9	3.0	2.9	2.9	2.3	2.2	2.3
Short Line	1.5	1.6	1.1	1.1	1.0	0.9	0.9	0.9	0.7	0.7

Note: R= Revised data.

Sources: Transport Canada, Statistics Canada

Table RA6: Overall Rail Traffic Characteristics, 2008–2017

	(Thousands of tonnes)									
	2008	2009	2010	2011	2012	2013	2014	2015	2016 ^R	2017 ^P
Intraprovincial	49,697	40,813	49,456	52,577	56,322	56,587	53,511	52,972	49,792	53,288
Interprovincial	117,951	115,532	121,480	125,017	126,078	120,363	128,376	132,397	130,724	135,867
Total Domestic	167,649	156,345	170,936	177,595	182,400	176,950	181,887	185,368	180,516	189,155
Imports	27,292	22,934	30,319	34,204	37,959	40,464	40,902	35,781	31,500	37,937
Exports	68,557	49,331	60,086	62,878	65,258	73,588	75,741	74,903	72,566	79,433
Transshipments	6,990	6,185	6,494	7,070	8,178	9,389	10,624	8,856	8,341	6,885
Canada-U.S.	66,879	48,097	58,712	61,575	63,940	72,387	74,597	73,558	70,962	77,790
Canada-Mexico	1,678	1,234	1,374	1,304	1,318	1,201	1,144	1,345	1,604	1,642
Mexico-Canada	124	156	280	329	403	407	507	442	466	743
Mexico-U.S.	0	2	0	4	8	8	6	0	0	0
U.S.-Canada	27,168	22,779	30,039	33,875	37,556	40,057	40,396	35,339	31,034	37,194
U.S.-Mexico	5	4	7	5	10	11	13	11	5	3
U.S.-U.S.	6,985	6,179	6,487	7,061	8,160	9,369	10,604	8,845	8,336	6,881
Total International	102,839	78,450	96,899	104,153	111,395	123,440	127,266	119,540	112,406	124,255
	(Millions of tonnes-km)									
	2008	2009	2010	2011	2012	2013	2014	2015	2016 ^R	2017 ^P
Intraprovincial	37,884	31,174	36,848	42,368	47,191	48,403	44,694	43,365	42,469	45,509
Interprovincial	198,958	185,113	203,444	206,100	209,431	210,214	232,708	239,415	233,691	245,888
Total Domestic	236,842	216,287	240,292	248,468	256,622	258,617	277,402	282,780	276,159	291,397
Imports	22,403	19,963	23,585	25,534	30,704	33,683	34,683	29,259	27,106	31,645
Exports	68,552	52,300	62,232	67,453	72,158	82,923	87,694	88,523	83,386	91,552
Transshipments	7,026	6,236	6,527	6,368	8,812	11,042	14,290	12,424	10,155	7,933
Canada-U.S.	67,409	51,299	61,193	66,362	71,120	81,949	86,739	87,401	81,967	89,980
Canada-Mexico	1,143	1,001	1,039	1,091	1,038	973	955	1,122	1,419	1,572
Mexico-Canada	93	113	236	289	398	395	528	407	446	759
Mexico-U.S.	0	1	0	2	11	11	3	0	0	0
U.S.-Canada	22,310	19,850	23,348	25,246	30,307	33,288	34,154	28,852	26,661	30,886
U.S.-Mexico	4	3	6	4	9	10	12	11	4	3
U.S.-U.S.	7,022	6,233	6,521	6,362	8,793	11,022	14,276	12,413	10,150	7,929
Total International	97,982	78,499	92,343	99,356	111,674	127,649	136,667	130,205	120,647	131,129

Notes: R= Revised data. P= Preliminary data.

Source: Transport Canada; Rail Traffic Database

Table RA7: Traffic Received and Forwarded by Canadian-Based Class II Carriers¹, 2008–2017

	(Millions of tonnes)		
Year	Received only	Forwarded only	Received and Forwarded
2008	8.58	12.96	0.35
2009	7.08	10.58	0.75
2010	7.45	11.20	0.71
2011	7.77	11.79	0.75
2012	6.27	10.85	0.68
2013	7.12	9.91	0.30
2014	7.11	11.19	0.15
2015	6.00	10.89	0.15
2016	5.60	10.08	0.14
2017 ^P	7.03	10.02	0.15

Notes: P= Preliminary data.

“Received only” applies to movements in which a Class II carrier was involved by only receiving from Canadian National (CN) or Canadian Pacific Railway (CPR).

“Forwarded only” applies to movements in which a Class II carrier was involved by only forwarding to CN or CPR.

“Received and Forwarded” applies to movements in which one or more Class II carriers received from and forwarded to CN and CPR.

1 Does not include U.S.-based carriers operating in Canada.

Sources: Transport Canada, Statistics Canada

Table RA8: Volume of Rail Exports and Imports, by Commodity, 2008–2017

(Thousands of tonnes)

	2008	2009	2010	2011	2012	2013	2014	2015	2016 ^R	2017 ^P
Exports										
Agriculture and Food	3,987	3,427	3,720	5,094	5,376	5,634	6,051	6,154	6,042	6,207
Automotive	2,056	1,374	2,022	2,155	2,499	2,294	2,232	2,487	2,428	2,150
Chemicals	10,318	8,642	10,003	10,515	10,467	11,876	12,154	11,489	11,705	11,442
Coal	1,028	627	888	987	657	600	477	527	520	442
Fertilizer Materials	10,869	5,377	10,816	11,164	9,682	10,673	10,485	10,091	9,334	11,485
Forest	18,269	12,972	13,508	13,602	13,524	14,771	15,376	15,714	16,467	15,884
Grains	5,165	3,518	3,315	2,993	3,557	4,384	3,606	2,526	1,948	2,700
Iron Ore	0	0	0	0	14	80	79	1	0	0
Metals	4,880	3,476	4,335	3,948	3,495	3,537	3,482	3,973	3,668	3,923
Miscellaneous	4,808	3,711	4,913	5,482	6,418	6,892	7,179	7,600	7,352	8,213
Other Mine Products	2,409	1,724	1,680	1,972	1,910	1,985	2,112	2,241	2,465	2,548
Petroleum	4,769	4,482	4,887	4,964	7,659	10,863	12,509	12,100	10,637	14,438
Total	68,557	49,331	60,086	62,878	65,258	73,588	75,741	74,903	72,566	79,433
Imports										
Agriculture and Food	3,400	2,959	3,210	2,769	3,028	2,612	2,690	2,607	2,655	2,633
Automotive	1,551	1,168	1,526	1,624	1,536	1,683	1,945	2,025	2,055	2,240
Chemicals	5,405	4,612	5,287	5,701	5,989	6,220	6,228	5,977	5,618	6,115
Coal	1,714	1,956	5,822	9,576	11,174	11,651	10,229	8,571	5,570	9,261
Fertilizer Materials	7	27	26	41	49	14	11	4	5	19
Forest	1,234	1,008	1,098	1,325	1,366	1,284	1,214	1,147	1,020	1,126
Grains	1,341	791	727	392	207	165	370	338	238	354
Iron Ore	45	22	27	107	107	28	10	647	1,356	1,534
Metals	2,168	1,051	2,021	2,171	2,424	2,514	2,322	1,363	1,112	1,412
Miscellaneous	4,320	3,576	3,772	3,716	3,777	4,428	3,943	3,463	3,327	3,146
Other Mine Products	2,817	2,452	3,416	3,450	4,087	5,020	5,963	5,605	4,801	6,942
Petroleum	3,290	3,313	3,386	3,331	4,216	4,846	5,978	4,035	3,743	3,156
Total	27,292	22,934	30,319	34,204	37,959	40,464	40,902	35,781	31,500	37,937

Notes: R= Revised data. P= Preliminary data.

Source: Transport Canada, Rail Traffic Database

Table RA9: Value of Rail Exports and Imports by Commodity, 2008–2017

(Millions of dollars)

	2008	2009	2010	2011	2012	2013	2014	2015 ^R	2016 ^R	2017 ^P
Exports										
Automotive products	23,152	17,157	24,874	26,503	32,152	30,144	29,800	35,948	38,128	34,911
Forest products	10,790	7,544	7,988	7,826	7,994	9,519	10,375	10,712	11,153	11,445
Chemicals products	10,584	7,082	8,278	10,006	9,600	10,738	11,529	11,203	10,506	10,318
Metals	12,028	7,048	8,881	8,929	7,793	8,242	9,070	9,106	8,005	9,843
Petroleum products	3,525	2,456	3,142	3,608	4,919	7,398	9,149	5,574	4,134	6,892
Agriculture and food	2,480	2,005	2,025	3,193	3,435	3,474	3,724	3,810	4,084	4,149
Fertilizer materials	3,535	2,208	3,034	3,585	3,259	3,185	2,709	3,489	2,380	2,737
Miscellaneous	1,689	1,621	1,765	1,750	1,928	2,157	1,891	1,868	1,923	1,966
Grains	2,955	1,696	1,399	1,597	1,780	2,062	1,904	1,655	1,338	1,641
Other mine products	183	123	104	202	111	120	143	186	210	242
Coal	147	90	174	283	145	102	81	89	61	147
Iron ore	0	0	0	0	0	0	0	0	0	0
Totals	71,067	49,029	61,664	67,483	73,115	77,142	80,376	83,640	81,921	84,290
Imports										
Automotive products	12,907	10,456	13,563	12,919	14,890	15,118	18,160	20,684	26,855	30,813
Chemicals products	7,213	5,478	6,362	7,447	8,114	8,532	9,040	8,321	7,661	8,421
Miscellaneous	3,643	2,662	2,707	3,267	4,206	4,669	5,260	4,816	3,841	3,703
Agriculture and food	2,368	2,075	2,029	2,498	2,972	2,752	3,015	2,917	2,733	2,664
Metals	3,565	1,599	2,576	3,172	3,423	3,406	3,457	2,418	1,728	2,186
Forest products	1,112	1,068	1,105	1,253	1,269	1,321	1,310	1,440	1,317	1,411
Petroleum products	2,386	1,656	2,050	2,462	3,276	3,631	4,381	1,937	1,195	1,180
Other mine products	546	405	442	649	694	478	637	799	660	880
Grains	565	394	303	320	293	250	290	274	244	214
Iron ore	129	107	142	172	224	230	210	154	137	149
Coal	12	7	6	16	34	20	36	26	36	34
Fertilizer materials	9	14	32	17	41	86	25	45	36	31
Totals	34,455	25,921	31,317	34,192	39,436	40,494	45,821	43,830	46,442	51,684

Notes: R= Revised data. P= Preliminary data.

Source: Transport Canada, adapted from Statistics Canada, International Trade Division

Table RA10: Dangerous Goods Shipments on Rail, 2008–2017

	(Thousands of tonnes)									
	2008	2009	2010	2011	2012	2013	2014	2015	2016 ^R	2017 ^P
Petroleum Products										
Crude Oil ¹	0	8	24	375	4,344	10,620	16,517	12,554	6,087	7,750
Ethanol or Ethanol Mix ²	3,356	3,359	3,500	5,055	6,170	6,781	6,704	5,781	5,814	6,061
All Other Petroleum Products ^{3,4}	16,538	16,240	17,862	17,119	18,466	17,281	17,296	17,754	19,434	20,783
Dangerous Goods										
Minerals, Ores & Concentrates Other Manufactured & Miscellaneous Goods	785	733	724	816	861	960	876	775	707	737
Petroleum Products ⁵	13,705	13,749	14,212	14,700	20,360	25,096	30,372	26,965	22,036	25,282
Plastic & Chemical Products ⁵	11,330	9,554	10,901	11,448	11,638	12,927	13,230	12,261	11,786	11,940
Waste & Scrap	187	197	195	216	241	260	249	209	217	296
Other Commodities ⁵	747	593	1,115	1,887	1,814	1,785	1,637	1,669	1,862	1,787
Total	29,103	26,449	29,606	31,837	37,401	43,506	48,378	44,105	38,452	41,818
All Goods										
All Dangerous Goods	29,103	26,449	29,606	31,837	37,401	43,506	48,378	44,105	38,452	41,818
Non-Dangerous Goods	240,386	207,896	237,726	249,812	256,394	256,884	260,775	260,803	254,470	273,052
Grand Total	269,489	234,345	267,332	281,648	293,795	300,390	309,153	304,908	292,922	314,870
Dangerous Goods Share of Grand Total (%)	10.8	11.3	11.1	11.3	12.7	14.5	15.6	14.5	13.1	13.3
	(Number of Carloads)									
	2008 ^R	2009 ^R	2010 ^R	2011 ^R	2012 ^R	2013 ^R	2014 ^R	2015 ^R	2016 ^R	2017 ^P
Petroleum Products										
Crude Oil ¹	9	115	306	4,750	53,469	127,705	193,358	146,633	72,064	91,589
Ethanol or Ethanol Mix ²	44,110	44,868	45,616	64,182	77,819	84,184	83,083	72,173	72,283	74,825
All Other Petroleum Products ^{3,4}	226,611	220,355	238,733	229,428	248,155	236,101	237,859	246,772	271,726	288,544
Dangerous Goods										
Minerals, Ores & Concentrates Other Manufactured & Miscellaneous Goods	24,043	22,712	21,844	24,320	26,409	29,159	27,570	24,572	22,981	23,424
Petroleum Products ⁵	189,352	188,749	193,782	198,405	270,673	326,528	386,408	349,193	297,632	340,805
Plastic & Chemical Products ⁵	140,640	119,452	135,674	143,249	144,951	159,767	162,873	152,894	147,868	150,681
Waste & Scrap	3,109	3,185	2,927	3,285	3,585	4,186	3,958	3,041	3,283	4,403
Other Commodities ⁵	11,015	8,255	14,295	23,075	23,194	23,003	21,918	21,926	23,268	22,399
Total	394,502	360,620	395,919	423,253	496,766	570,471	625,113	576,539	515,837	561,994
All Goods										
All Dangerous Goods	394,502	360,620	395,919	423,253	496,766	570,471	625,113	576,539	515,837	561,994
Non-Dangerous Goods	3,662,182	3,096,772	3,562,475	3,694,491	3,841,143	3,899,994	4,023,134	4,100,971	4,043,632	4,375,469
Grand Total	4,056,685	3,457,392	3,958,394	4,117,744	4,337,909	4,470,466	4,648,247	4,677,510	4,559,469	4,937,463
Dangerous Goods Share of Grand Total (%)	9.7	10.4	10.0	10.3	11.5	12.8	13.4	12.3	11.3	11.4

Notes: R= Revised data. P= Preliminary data. Intermodal carloads are corrected.

1 Standard Classification of Transported Goods (SCTG) code #16000.

2 Includes ethanol, methanol and various types of ethanol blends.

3 Not all ethanol or ethanol mix products are included in this commodity group.

4 Includes petroleum products that are not flagged as dangerous.

5 Includes some ethanol and ethanol blends.

Source: Transport Canada, Rail Traffic Database

Table RA11: Volume of Rail Exports and Imports, by Province/Territory of Origin, 2008–2017

(Thousands of tonnes)										
Exports										
<i>Province/Territory of Origin</i>	2008	2009	2010	2011	2012	2013	2014	2015	2016 ^R	2017 ^P
Alberta	12,838	11,221	12,875	13,600	14,263	16,892	19,515	20,653	19,999	23,289
Saskatchewan	14,601	8,755	13,488	15,256	16,206	19,595	19,771	16,909	14,479	16,873
Ontario	13,283	8,367	11,014	11,219	11,212	11,543	11,178	11,623	12,150	12,059
British Columbia	10,486	7,806	8,672	8,761	10,028	10,315	10,626	11,620	12,117	12,654
Quebec	11,382	8,521	9,176	9,322	8,903	9,753	9,680	9,215	8,696	8,908
Manitoba	4,071	3,057	2,850	2,576	2,809	3,410	3,044	2,992	3,019	3,472
New Brunswick	971	900	1,122	1,296	1,242	1,363	1,244	1,200	1,421	1,485
Nova Scotia	922	703	889	847	596	717	683	692	684	694
Other ¹	3	0	0	1	0	0	0	0	0	0
Total	68,557	49,331	60,086	62,878	65,258	73,588	75,741	74,903	72,566	79,433
Imports										
<i>Province/Territory of Clearance</i>	2008	2009	2010	2011	2012	2013	2014	2015	2016 ^R	2017 ^P
British Columbia	3,416	3,620	8,362	11,778	13,935	15,072	13,635	11,789	9,210	12,844
Alberta	6,826	5,674	6,608	6,681	8,054	9,017	9,524	7,955	6,360	8,024
Ontario	7,294	5,536	6,757	6,815	7,034	7,112	6,996	7,291	8,165	8,427
Quebec	6,333	5,647	5,742	5,701	5,513	5,593	7,261	5,648	4,838	4,969
Saskatchewan	1,771	1,134	1,362	1,511	1,554	1,732	1,784	1,555	1,485	2,100
Manitoba	866	545	534	817	836	858	907	846	670	763
Nova Scotia	425	462	579	548	518	498	436	415	530	575
New Brunswick	361	317	375	353	516	581	359	282	241	238
Other ¹	0	0	0	0	1	2	0	0	0	0
Totals	27,292	22,934	30,319	34,204	37,959	40,464	40,902	35,781	31,500	37,937

Notes: R= Revised data. P= Preliminary data.

1 Includes Newfoundland and Labrador, Northwest Territories and Yukon.

Ranking is based on a ten-year average.

Source: Transport Canada, Rail Traffic Database

Table RA12: Value of Rail Exports by Port of Exit and Clearance, 2008–2017

(Millions of dollars)										
Exports										
<i>Port of Exit</i>	2008	2009	2010	2011	2012	2013	2014	2015 ^R	2016 ^R	2017 ^P
Sarnia	21,130	14,178	17,867	18,515	17,927	18,273	19,024	20,039	20,338	21,168
Windsor	10,975	8,569	12,646	14,723	18,170	17,935	17,554	20,670	21,474	20,137
Fort Frances	8,689	6,114	6,529	7,754	7,993	9,761	10,745	10,699	10,350	10,896
Fort Erie	8,090	5,813	7,567	7,934	9,272	8,372	8,193	9,367	9,011	7,446
North Portal	5,628	3,554	4,154	3,631	3,538	5,197	5,647	5,201	4,332	5,401
White Rock	2,950	2,130	2,105	2,641	2,863	3,558	3,750	3,742	4,228	4,873
Emerson	2,992	1,942	2,394	3,945	4,993	4,520	4,799	4,119	3,729	4,417
Kingsgate	2,029	1,477	2,026	2,229	2,187	2,542	2,765	2,681	1,873	2,324
Lacolle	2,639	2,017	2,575	1,831	1,950	2,718	3,302	3,086	2,123	2,293
Huntington	1,362	850	809	941	939	1,089	1,223	1,121	1,433	1,507
Other	4,583	2,386	2,992	3,339	3,283	3,177	3,373	2,913	3,032	3,828
Total	71,067	49,029	61,664	67,483	73,115	77,142	80,376	83,640	81,921	84,290
Imports										
<i>Port of Clearance</i>	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Windsor	4,619	5,246	7,988	7,294	9,665	8,236	8,884	9,397	15,269	18,474
Toronto	7,120	5,448	5,997	6,925	7,552	7,601	8,357	8,542	10,388	10,935
Sarnia	5,553	3,137	3,503	3,741	3,224	3,489	3,773	3,478	4,224	5,364
Fort Erie	1,051	923	850	931	1,025	1,465	2,067	2,813	2,948	2,831
Winnipeg	741	544	832	986	2,590	2,448	2,633	2,293	2,206	2,732
Calgary	1,812	1,213	1,421	1,702	1,773	2,189	2,404	2,132	2,068	1,953
Edmonton	3,440	2,464	2,673	3,261	3,470	3,848	3,621	2,676	1,707	1,889
Montreal	2,687	2,233	2,258	2,769	3,227	3,166	3,908	3,438	1,757	1,573
Vancouver	1,495	1,215	1,608	1,554	1,767	1,686	1,664	1,652	1,286	986
Hamilton	691	466	786	856	1,121	1,090	1,569	1,190	327	584
Other	5,245	3,032	3,403	4,173	4,023	5,277	6,941	6,218	4,263	4,363
Total	34,455	25,921	31,317	34,192	39,436	40,494	45,821	43,830	46,442	51,684

Notes: R= Revised data. P= Preliminary data.

Source: Transport Canada, adapted from Statistics Canada, International Trade Division

Table RA13: Volume of Rail Marine Exports and Imports, 2008–2017

	(Thousands of tonnes)									
	2008 ^R	2009 ^R	2010 ^R	2011 ^R	2012 ^R	2013 ^R	2014 ^R	2015 ^R	2016 ^R	2017 ^P
Exports ¹	86,754	83,511	93,669	97,027	104,140	103,065	108,952	106,727	105,347	105,319
Imports ²	11,345	8,862	10,460	12,707	14,694	14,763	15,769	17,143	17,113	18,358
Grand Total	98,099	92,373	104,128	109,734	118,834	117,828	124,721	123,870	122,461	123,677

Notes: R= Revised data. P= Preliminary data.

1 Volume of rail cargo shipped through Canadian marine ports.

2 Volume of rail cargo coming from Canadian marine ports.

Source: Transport Canada; Rail Traffic Database

Table RA14: Volume of Rail Marine Exports¹ by Commodity, 2008–2017

	(Thousands of tonnes)									
Commodity	2008 ^R	2009 ^R	2010 ^R	2011 ^R	2012 ^R	2013 ^R	2014 ^R	2015 ^R	2016 ^R	2017 ^P
Agriculture and Food	10,638	14,072	15,168	15,459	15,770	14,938	18,209	18,354	20,164	20,011
Automotive Products	10	8	10	43	7	179	16	43	166	152
Chemical Products	1,709	1,525	1,254	1,143	1,123	1,090	1,165	1,265	1,485	1,392
Coal	30,173	26,213	33,259	35,450	40,040	39,888	37,319	31,759	31,563	33,353
Fertilizer Materials	12,115	6,783	10,244	11,751	9,533	9,358	10,351	12,578	11,655	11,290
Forest Products	4,415	4,252	3,934	4,532	6,587	6,678	5,145	5,869	6,396	3,657
Grains	16,414	20,017	19,063	18,697	19,707	19,158	25,261	23,706	20,915	21,533
Metals	32	41	46	70	54	43	60	48	73	37
Ores and mine products	2,556	2,241	1,936	1,773	1,911	1,919	2,018	2,296	2,372	2,434
Petroleum Products	905	919	1,525	1,013	2,306	2,056	1,515	3,175	2,804	3,633
Mixed/unidentified freight ²	7,786	7,440	7,227	7,096	7,102	7,757	7,893	7,634	7,753	7,827
Total	86,754	83,511	93,669	97,027	104,140	103,065	108,952	106,727	105,347	105,319

Notes: R= Revised data. P= Preliminary data.

1 Volume of rail cargo shipped through Canadian marine port of origin.

2 Predominantly intermodal.

Source: Transport Canada; Rail Traffic Database

Table RA15: CN and CPR Intermodal Traffic, 2008–2017

	(Millions of tonnes)									
Origin-Destination	2008	2009	2010	2011	2012	2013	2014	2015	2016 ^R	2017 ^P
North America	12.7	11.6	12.5	11.9	12.6	13.2	13.3	13.3	13.9	15.3
Canada - Canada	10.0	9.4	9.8	9.6	10.0	10.4	10.5	10.9	11.9	13.0
Canada - United States	1.3	1.1	1.5	0.8	0.9	0.9	1.0	0.8	0.7	0.9
Canada - Mexico	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
United States - Canada	1.4	1.1	1.2	1.4	1.6	1.7	1.7	1.5	1.1	1.2
Mexico - Canada	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1
United States - United States	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Marine Exports	9.0	8.4	8.3	8.2	8.2	9.0	9.6	8.9	9.1	9.1
Marine Imports	10.5	8.3	9.9	11.5	12.7	13.1	14.0	15.2	14.1	15.8
Total	32.3	28.2	30.7	31.5	33.5	35.3	36.9	37.4	37.2	40.1
Type of cars										
COFC	30.9	27.1	29.5	30.4	32.5	34.1	35.6	36.4	36.6	39.4
TOFC	1.3	1.1	1.2	1.1	1.0	1.1	1.3	1.0	0.6	0.7
Total	32.3	28.2	30.7	31.5	33.5	35.3	36.9	37.4	37.2	40.1

Notes: R= Revised data. P= Preliminary data. CN= Canadian National. CPR= Canadian Pacific Railway. COFC= Containers on flat cars. TOFC= Trailers on flat cars.

Source: Transport Canada; Rail Traffic Database

Table RA16: Passenger and Passenger-Kms for VIA Rail Canada and Other Carriers, 2008–2017

Passengers Carried (Thousands)			
<i>Year</i>	<i>VIA Rail</i>	<i>Other</i>	<i>Total</i>
2008	4,605	148	4,753
2009	4,229	144	4,373
2010	4,153	147	4,300
2011	4,130	153	4,283
2012	3,923	137	4,060
2013	3,890	102	3,992
2014	3,800	103	3,903
2015	3,818	103	3,921
2016	3,974	106	4,080
2017 ^P	4,392	N/A	N/A

Passenger - Kilometres (Millions)			
<i>Year</i>	<i>VIA Rail</i>	<i>Other</i>	<i>Total</i>
2008	1,530.5	43.8	1,574.3
2009	1,379.2	34.1	1,413.4
2010	1,361.5	42.3	1,403.9
2011	1,369.6	34.8	1,404.4
2012	1,342.2	33.5	1,375.7
2013	1,339.0	26.4	1,365.4
2014	1,300.3	26.5	1,326.9
2015	1,322.9	26.5	1,349.4
2016	1,380.8	27.3	1,408.1
2017 ^P	1,535.0	N/A	N/A

Notes: P= Preliminary data. N/A= Not available. Other includes CN, CN, and Class II.
Excludes tour operators.

Source: Transport Canada

ROAD TRANSPORTATION

Table RO1: Length of the National Highway System, 2016

(Kilometres)

Province	(Kilometres)			Total
	Core Routes	Feeder Routes	Northern & Remote Routes	
Newfoundland and Labrador	1,007.6	298.0	1,161.0	2,466.6
Nova Scotia	904.7	294.3	0.0	1,199.0
Prince Edward Island	208.7	189.5	0.0	398.2
New Brunswick	994.5	807.2	0.0	1,801.7
Quebec	3,442.2	770.5	1,434.7	5,647.4
Ontario	6,147.1	647.7	0.0	6,794.8
Manitoba	985.1	741.9	368.2	2,095.2
Saskatchewan	2,452.3	0.0	236.3	2,688.6
Alberta	4,065.9	215.5	196.5	4,477.9
British Columbia	5,869.3	446.7	724.0	7,040.0
Nunavut	0.0	0.0	0.0	0.0
Northwest Territories	575.6	0.0	847.2	1,422.8
Yukon	1,068.6	0.0	947.9	2,016.5
Canada	27,721.6	4,411.3	5,915.8	38,048.7

Note:
The length information is based on the centerline distance of a roadway between start and end points (rather than lane-kilometers or "two-lane equivalent" lengths) as of December 31, 2016.

Source: Canada's National Highway System Annual Report 2016

Table RO2: Length of the Public Road Network in Canada, 2016

	Length (two-lane equivalent kilometres)			Provinces/Territories Share of Total (per cent)	Percentage Distribution	
	Paved	Unpaved	Total		Paved	Unpaved
Newfoundland and Labrador	11,100	9,200	20,300	1.8	54.7	45.3
Nova Scotia	19,100	17,600	36,700	3.3	52.0	48.0
Prince Edward Island	4,400	1,800	6,200	0.6	71.0	29.0
New Brunswick	21,200	900	22,100	2.0	95.9	4.1
Quebec	93,000	42,000	135,000	12.0	68.9	31.1
Ontario	125,100	120,400	245,500	21.8	51.0	49.0
Manitoba	19,900	67,900	87,800	7.8	22.7	77.3
Saskatchewan	30,800	199,000	229,800	20.4	13.4	86.6
Alberta	63,200	173,300	236,500	21.0	26.7	73.3
British Columbia	51,700	35,400	87,100	7.7	59.4	40.6
Nunavut	0	1,300	1,300	0.1	0.0	100.0
Northwest Territories	1,200	4,200	5,400	0.5	22.2	77.8
Yukon	2,500	3,600	6,100	0.5	41.0	59.0
Total	449,400	676,600	1,126,000	100.0	39.9	60.1

Notes: Does not include private roads.
The methodology used to calculate the two-lane equivalent kilometers has been revised since the previous edition of this table was published.

Source: National Road Network (NRN), current as of December 2016

Table RO3: Road Vehicle Statistics, by Province/Territory, 2009

	<i>Vehicles (thousands)</i>			<i>Vehicle-Km (millions)</i>			<i>Light Vehicles Only</i>		<i>Vehicles per 1,000 Population</i>
	<i>Light</i>	<i>Medium</i>	<i>Heavy</i>	<i>Light</i>	<i>Medium</i>	<i>Heavy</i>	<i>Passenger-Km (Billions)</i>	<i>Litres of Fuel Purchased (Billions)</i>	
Newfoundland and Labrador	290	3.5	3.4	4,400	41	225	7.4	0.5	570
Nova Scotia	538	7.9	8.0	9,400	181	500	15.1	0.9	573
Prince Edward Island	82	1.3	2.7	1,200	11	39	1.9	0.1	578
New Brunswick	482	5.3	4.6	7,800	60	138	13.2	0.8	643
Quebec	4,593	48.5	37.8	68,100	1,031	3,563	111.0	6.8	587
Ontario	7,167	90.4	105.5	116,100	1,719	8,006	186.0	12.3	548
Manitoba	670	11.2	17.3	10,000	160	1,529	16.6	1.1	548
Saskatchewan	718	38.9	30.9	11,000	529	1,224	18.1	1.3	697
Alberta	2,581	131.4	87.4	41,700	2,617	5,421	70.0	4.8	700
British Columbia	2,584	96.3	16.7	33,300	1,891	585	53.7	3.8	580
Nunavut	4	0.3	0.2	30	3	2	N/A	N/A	120
Northwest Territories	21	1.0	1.3	200	16	62	N/A	N/A	494
Yukon Territory	27	2.1	1.5	400	34	122	N/A	N/A	793
Canada	19,756	438.0	317.2	303,630	8,294	21,417	493.1	32.3	586

Notes: N/A= Data not available. Medium vehicles have a gross weight between 4.5 tonnes and 15 tonnes. Heavy vehicles have a gross weight of 15 tonnes or more.

Source: Canadian Vehicle Survey, 2009 Annual Averages (*The Canadian Vehicle Survey (CVS) was terminated in 2011. Motor vehicle activity data are no longer available from this survey beginning with the 2010 reference year.*)

Table RO4: Canadian Vehicle Use Study Light Vehicle Statistics, Annual Averages Per Vehicle, 2015

	----- Annual Averages Per Vehicle -----				----- Per Vehicle Ratios -----		
	Fleet Size (thousands)	Travel Time (hours)	Passenger- Kilometres	Distance Driven (Km)	Distance Driven Per Day (Km)	Fuel Consumption (L/100 Km)	Percentage of Time Spent Idling ¹
2015 Total	15,009	384^a	28,072^a	16,509^a	49.7^a	12.2^a	22.5^a
<i>by Participating Province</i>							
Quebec	5,263	365 ^a	27,698 ^a	15,917 ^a	47.3 ^a	11.9 ^a	21.8 ^a
Ontario	8,164	403 ^a	28,641 ^a	17,246 ^a	52.2 ^a	12.2 ^a	22.3 ^a
Manitoba	802	384 ^a	26,429 ^a	15,187 ^a	46.5 ^a	13.4 ^a	25.8 ^a
Saskatchewan	699	345 ^a	27,146 ^a	15,101 ^a	46.3 ^a	13.3 ^a	26.5 ^a
Prince Edward Island	81	391 ^b	28,863 ^c	17,920 ^b	53.9 ^a	12.0 ^a	20.2 ^b
<i>by Population Size of Participant's Location</i>							
700,000 and Over	N/A	410 ^a	27,685 ^a	16,190 ^a	48.3 ^a	12.0 ^a	23.5 ^a
200,000–699,999	N/A	374 ^a	25,650 ^a	15,322 ^a	45.8 ^a	12.3 ^a	22.9 ^a
100,000–199,999	N/A	384 ^a	27,600 ^a	17,368 ^a	51.9 ^a	12.3 ^a	22.0 ^a
50,000–99,999	N/A	339 ^a	26,595 ^a	15,050 ^a	45.6 ^a	12.8 ^a	22.2 ^a
Fewer than 50,000	N/A	368 ^a	31,803 ^a	18,856 ^a	58.6 ^a	12.1 ^a	20.5 ^a
<i>by Age of the Vehicle</i>							
Less than 4 Years	3,287	457 ^a	35,420 ^a	20,219 ^a	58.3 ^a	11.7 ^a	21.1 ^a
4-8 Years	5,098	399 ^a	30,171 ^a	17,606 ^a	51.7 ^a	12.1 ^a	21.5 ^a
9 Years or More	6,623	320 ^a	20,846 ^a	12,823 ^a	40.6 ^a	12.7 ^a	24.7 ^a
<i>by Vehicle Type</i>							
Passenger Car	8,233	371 ^a	26,222 ^a	15,884 ^a	47.8 ^a	10.5 ^a	22.0 ^a
Minivan	1,414	446 ^a	36,059 ^a	18,008 ^a	53.1 ^a	13.6 ^a	24.4 ^a
SUV	3,324	407 ^a	31,253 ^a	17,843 ^a	52.5 ^a	13.0 ^a	21.7 ^a
Pickup/Cargo	2,038	352 ^a	23,871 ^a	15,485 ^a	49.3 ^a	16.3 ^a	24.9 ^a
<i>by Engine Displacement (Litres)</i>							
Less than 2 L	N/A	375 ^a	25,055 ^a	16,380 ^a	47.9 ^a	8.5 ^a	21.1 ^a
2 L to 2.9 L	N/A	390 ^a	26,924 ^a	16,661 ^a	49.4 ^a	10.5 ^a	21.7 ^a
3 L to 3.9 L	N/A	407 ^a	33,072 ^a	17,329 ^a	51.4 ^a	13.5 ^a	22.7 ^a
4 L and More	N/A	344 ^a	23,906 ^a	14,969 ^a	48.6 ^a	16.3 ^a	25.0 ^a
<i>by Number of Cylinders in Vehicle Engine</i>							
4 or Less/Rotary	N/A	384 ^a	26,296 ^a	16,531 ^a	49.1 ^a	9.6 ^a	21.6 ^a
5 or 6	N/A	396 ^a	31,279 ^a	16,770 ^a	50.2 ^a	13.5 ^a	22.8 ^a
8 or More	N/A	353 ^a	24,750 ^a	15,701 ^a	50.4 ^a	17.0 ^a	24.9 ^a
<i>by Transmission Type</i>							
Automatic	N/A	390 ^a	28,420 ^a	16,570 ^a	49.8 ^a	12.6 ^a	22.9 ^a
Manual	N/A	338 ^a	25,200 ^a	16,003 ^a	49.1 ^a	9.3 ^a	19.9 ^a

Notes: N/A= Not applicable.

¹ Idling refers to a vehicle with a running engine that is not in motion. This includes time when a vehicle is stopped at a stop light.

The Canadian Vehicle Use Study in 2015 has data only for the following participating provinces: Quebec, Ontario, Manitoba, Saskatchewan, and Prince Edward Island.

Light vehicles are defined as those less than 4,500 kilograms.

Coefficient of Variation (CV): a: less than 5%, b: between 5% and 10%, c: between 10% and 15%, d: between 15% and 20%, and e: 20% and greater.

Data with a CV higher than 20% is not being published in this addendum due to its lack of reliability.

Source: Transport Canada, Canadian Vehicle Use Study, special tabulations

Table RO5: Canadian Vehicle Use Study Light Vehicle Statistics, Averages Per Trip, 2015

	----- Averages Per Trip -----							
	Share of Trips (%)	Trip Duration (min)	Trip Length (km)	Vehicle Occupancy	Fuel Consumption (L)	Fuel Consumption (L/100 Km)	Percentage of Time Spent Idling ¹	
2015 Total	100	13.4^a	9.6^a	1.5^a	1.1^a	13.6^a	26.8^a	
	<i>by Trip Purpose</i>							
Unclassified	30.8	8.3 ^a	5.0 ^a	1.0 ^a	0.6 ^a	12.0 ^a	33.5 ^a	
Work/Business	20.3	18.7 ^a	14.2 ^a	1.3 ^a	1.6 ^a	14.0 ^a	22.8 ^a	
School/Daycare	3.1	12.3 ^a	6.9 ^a	2.2 ^a	0.8 ^a	15.5 ^a	26.5 ^a	
Shopping/Appointments/Errands	23.1	11.3 ^a	6.8 ^a	1.6 ^a	0.8 ^a	15.0 ^a	25.8 ^a	
Leisure/Visiting Family or Friends	20.8	18.3 ^a	15.7 ^a	2.0 ^a	1.7 ^a	13.8 ^a	22.3 ^a	
Community Involvement ²	1.8	13.3 ^a	8.9 ^a	1.6 ^a	1.0 ^a	14.3 ^a	25.3 ^a	
	<i>by Day Type</i>							
Workday	75.9	13.4 ^a	9.3 ^a	1.4 ^a	1.1 ^a	13.7 ^a	26.8 ^a	
Weekend	24.1	13.6 ^a	10.5 ^a	1.6 ^a	1.2 ^a	13.3 ^a	26.7 ^a	
	<i>by Trip Length</i>							
Less than 1 km	23.6	2.6 ^a	0.3 ^a	1.2 ^a	0.1 ^a	-- ^c	44.5 ^a	
1 to 5.99 km	37.2	7.2 ^a	2.6 ^a	1.5 ^a	0.4 ^a	16.5 ^a	25.5 ^a	
6 to 10.99 km	15.9	14.0 ^a	7.1 ^a	1.5 ^a	1.0 ^a	13.5 ^a	21.7 ^a	
11 to 15.99 km	7.6	19.5 ^a	12.3 ^a	1.6 ^a	1.5 ^a	12.1 ^a	18.8 ^a	
16 to 20.99 km	4.4	24.0 ^a	17.3 ^a	1.6 ^a	1.9 ^a	11.3 ^a	16.7 ^a	
21 to 30.99 km	4.6	29.6 ^a	24.3 ^a	1.6 ^a	2.7 ^a	11.0 ^a	14.6 ^a	
31 to 50.99 km	3.6	39.3 ^a	38.1 ^a	1.6 ^a	3.9 ^a	10.3 ^a	11.8 ^a	
51 to 99.99 km	2.2	59.9 ^a	68.5 ^a	1.8 ^a	6.9 ^a	10.0 ^a	9.2 ^a	
100 km or More	1.1	114.1 ^a	160.4 ^a	2.1 ^a	16.4 ^a	10.2 ^a	6.2 ^a	
	<i>by Vehicle Occupancy</i>							
Unknown	N/A	8.3 ^a	5.0 ^a	1.0 ^a	0.6 ^a	12.0 ^a	33.5 ^a	
Driver Only	N/A	11.7 ^a	8.0 ^a	1.0 ^a	0.9 ^a	13.3 ^a	27.7 ^a	
Driver and 1 Passenger	N/A	16.2 ^a	12.1 ^a	2.0 ^a	1.4 ^a	14.3 ^a	24.4 ^a	
Driver and 2+ Passengers	N/A	19.4 ^a	15.4 ^a	3.6 ^a	1.8 ^a	14.7 ^a	25.8 ^a	

Notes: N/A= Not applicable.

1 Idling refers to a vehicle with a running engine that is not in motion. This includes time when a vehicle is stopped at a stop light.

2 Community involvement includes volunteering, attending religious services, voting, or other.

The Canadian Vehicle Use Study in 2015 has data only for the following participating provinces: Quebec, Ontario, Manitoba, Saskatchewan, and Prince Edward Island. Light vehicles are defined as those less than 4,500 kilograms.

Coefficient of Variation (CV): a: less than 5%, b: between 5% and 10%, c: between 10% and 15%, d: between 15% and 20%, and e: 20% and greater.

Data with a CV higher than 20% is not being published in this addendum due to its lack of reliability.

Source: Transport Canada, Canadian Vehicle Use Study, special tabulations

Table RO6: Canadian Vehicle Use Study Trucking Statistics, Annual Averages Per Vehicle, 2015

	----- Annual Averages Per Vehicle-----			----- Per Vehicle Ratios -----		
	<i>Fleet Size (thousands)</i>	<i>Travel Time (hours)</i>	<i>Distance Driven (Km)</i>	<i>Distance Driven Per Day (Km)</i>	<i>Fuel Consumption (L/100 Km)</i>	<i>Percentage of Time Spent Idling¹</i>
2015 Total	468	1,398 ^c	44,876 ^b	171.9 ^a	48.2 ^a	42.4 ^a
	<i>by Participating Province</i>					
Quebec	135	1,284 ^b	46,535 ^c	175.3 ^a	50.8 ^b	39.4 ^a
Ontario	229	1,581 ^d	47,347 ^b	171.1 ^a	44.0 ^a	41.6 ^a
Manitoba	46	-- ^e	-- ^e	229.7 ^c	50.6 ^c	45.4 ^b
Saskatchewan	55	-- ^e	-- ^e	114.1 ^c	57.4 ^c	51.2 ^b
	<i>by Age of the Vehicle</i>					
Less than 4 Years	81	1,997 ^b	80,741 ^b	283.8 ^a	42.5 ^b	35.3 ^b
4-8 Years	110	1,521 ^c	52,196 ^c	199.2 ^a	49.9 ^b	39.5 ^a
9 Years or More	277	-- ^e	27,114 ^c	95.7 ^a	50.6 ^b	46.7 ^a
	<i>by Vehicle Weight</i>					
4.5 to 10 Tonnes	138	632 ^c	17,997 ^c	69 ^b	42.6 ^b	42.9 ^a
10 to 15 Tonnes	52	906 ^c	28,771 ^d	102 ^a	38.6 ^d	42.9 ^b
More than 15 Tonnes	278	1,865 ^c	61,045 ^b	231 ^a	51.8 ^a	42.1 ^a
	<i>by Truck Configuration</i>					
Straight Truck	N/A	906 ^c	28,525 ^c	133.0 ^b	46.9 ^b	44.4 ^a
Tractor & Trailer	N/A	2,248 ^c	102,833 ^c	414.7 ^b	48.5 ^b	37.7 ^b

Notes: N/A = Not available.

1 Idling refers to a vehicle with a running engine that is not in motion. This includes time when a vehicle is stopped at a stop light.

The Canadian Vehicle Use Study in 2015 has data only for the following participating provinces: Quebec, Ontario, Manitoba, Saskatchewan, and Prince Edward Island. PEI data are included in the national estimates, but have been suppressed in the Participating Province section due to a low sample size.

Trucks are defined as those greater than 4,500 kilograms.

Coefficient of Variation (CV): a: less than 5%, b: between 5% and 10%, c: between 10% and 15%, d: between 15% and 20%, and e: 20% and greater.

Data with a CV higher than 20% is not being published in this addendum due to its lack of reliability.

Source: Transport Canada, Canadian Vehicle Use Study, special tabulations

Table RO7: Annual Trucking Bankruptcies, by Region, 2008–2017

<i>Year</i>	<i>Atlantic Provinces</i>	<i>Quebec</i>	<i>Ontario</i>	<i>Manitoba & Saskatchewan</i>	<i>Alberta</i>	<i>British Columbia & Territories</i>	<i>Total Trucking</i>	<i>Total Economy¹</i>
2008	64	148	196	34	34	37	513	6,164
2009	31	103	137	27	34	20	352	5,420
2010	11	76	90	25	40	14	256	4,072
2011	8	75	65	20	10	10	188	3,643
2012	8	66	55	9	10	7	155	3,236
2013	11	77	26	9	3	3	129	3,187
2014	8	74	34	10	6	7	139	3,116
2015	6	67	30	6	2	6	117	3,089
2016	5	79	21	10	2	7	124	2,884
2017	6	69	21	14	6	4	120	2,700

Notes: Truck transportation bankruptcies data are based on the North American Industry Classification System (NAICS). This table includes bankruptcies data related to NAICS 484 Truck transportation and NAICS 4884 Support activities for road transportation.

1 Total Economy include all business bankruptcies (consumer bankruptcies excluded).

Source: Industry Canada, Office of the Superintendent of Bankruptcy

Table RO8: Traffic Volume by Canadian For-Hire Carriers, 2011–2015

	Metric Tonnes (Millions)					2015 Share in percent	Tonne-Kilometres (Millions)					2015 Share in percent
	2011	2012	2013	2014 ^R	2015 ^R		2011	2012	2013	2014 ^R	2015 ^R	
Intraprovincial	447.8	494.4	518.3	550.2	545.3	74.8	57,617	60,107	64,760	77,589	85,221	30.7
Interprovincial	72.4	78.5	74.6	78.0	81.9	11.2	78,776	82,936	79,161	82,971	82,960	29.9
Total Domestic	520.2	572.9	592.9	628.3	627.2	86.0	136,393	143,043	143,921	160,561	168,181	60.6
Exports	43.0	45.6	53.0	55.8	55.3	7.6	43,951	46,255	52,230	52,983	55,503	20.0
Imports	37.4	43.4	44.8	46.5	46.7	6.4	43,980	52,197	55,236	55,024	53,712	19.4
Total International	80.4	89.0	97.8	102.3	102.0	14.0	87,932	98,452	107,466	108,008	109,215	39.4
Total	600.6	661.9	690.8	730.6	729.2	100.0	224,325	241,495	251,387	268,568	277,396	100.0

Notes: R= Revised data.

Data for 2016 was unavailable at the time of production.

Source: Statistics Canada, Trucking Commodity Origin and Destination (TCOD) Survey

Table RO9: Canadian International Trade Value Shipped by Trucks, by Commodity Groups, 2016 and 2017

(Millions of dollars)				
(Total Exports by trucks)				
Commodity Categories	2016 ^R	% Share	2017 ^P	% Share
Automobiles, parts and other transportation equipment	46,998	21.0	45,530	20.6
Machinery and electrical equipment	37,858	16.9	39,664	18.0
Other manufactured and miscellaneous goods	39,650	17.7	35,895	16.3
Agricultural and food products	29,630	13.2	29,787	13.5
Chemical products, plastics and rubber	29,811	13.3	27,602	12.5
Base metals and articles thereof	18,576	8.3	20,398	9.2
Wood and paper products	14,312	6.4	14,118	6.4
Non-metallic minerals, coal and stone products	3,107	1.4	3,117	1.4
Waste and scrap material	1,932	0.9	2,546	1.2
Petroleum products, LNG and other fuels	1,621	0.7	1,824	0.8
Metallic ores	240	0.1	156	0.1
Total Exports by Trucks	223,733	100.0	220,638	100.0
Destination: United States	217,825	97.4	215,157	97.5
Destination: Mexico	3,364	1.5	3,056	1.4
Destination: Other Countries	2,544	1.1	2,424	1.1
(Total Imports by trucks) ¹				
Commodity Categories	2016 ^R	% Share	2017 ^P	% Share
Machinery and electrical equipment	87,260	29.5	92,612	30.2
Automobiles, parts and other transportation equipment	53,400	18.1	55,474	18.1
Other manufactured and miscellaneous goods	42,676	14.4	42,148	13.8
Chemical products, plastics and rubber	40,027	13.6	41,239	13.5
Agricultural and food products	31,638	10.7	32,147	10.5
Base metals and articles thereof	20,216	6.8	21,863	7.1
Wood and paper products	10,519	3.6	10,498	3.4
Non-metallic minerals, coal and stone products	4,819	1.6	4,964	1.6
Petroleum products, LNG and other fuels	2,127	0.7	2,545	0.8
Waste and scrap material	2,398	0.8	2,455	0.8
Metallic ores	317	0.1	247	0.1
Total Imports by Trucks	295,399	100.0	306,191	100.0
Origin: United States	199,924	67.7	203,162	66.4
Origin: Mexico	23,018	7.8	23,059	7.5
Origin: Other Countries	72,457	24.5	79,970	26.1

Notes: R= Revised data. P= Preliminary data. LNG= Liquefied natural gas.

¹ Imports by trucks from other countries than the United States are overestimated. In the case of imports, the mode of transport represents the last mode by which the cargo was transported to the port of clearance in Canada and is derived from the cargo control documents of customs. This may not be the mode of transport by which the cargo arrived at the Canadian port of entry in the case of inland clearance. This may, therefore, lead to some underestimation of Canadian imports by the marine and air transport modes.

Source: Transport Canada, adapted from Statistics Canada, International Trade database

Table RO10: Canada's Road Trade with the United States, by Busiest Border Crossing Points, 2016 and 2017

Border Crossing Point	(Millions of dollars)							Cumulative Share in Per Cent
	Exports by Road	Imports by Road	Total Trade by Road	Total Trade by Road	Percentage Change	Share in Per Cent		
	2017 ^P	2017 ^P	2017 ^P	2016 ^R	2017/16	2017		
Windsor-Ambassador, Ontario	62,991	61,994	124,985	126,498	(1.2)	29.9	29.9	
Fort Erie/Niagara Falls, Ontario	38,892	27,883	66,775	67,864	(1.6)	16.0	45.8	
Sarnia, Ontario	35,779	28,145	63,923	62,639	2.0	15.3	61.1	
Lacolle, Quebec	15,973	7,133	23,106	24,737	(6.6)	5.5	66.6	
Emerson, Manitoba	8,135	11,647	19,783	18,925	4.5	4.7	71.4	
Pacific Highway, British Columbia	9,636	9,935	19,571	19,481	0.5	4.7	76.1	
Lansdowne, Ontario	10,517	6,619	17,136	18,164	(5.7)	4.1	80.1	
Coutts, Alberta	6,510	5,743	12,253	11,127	10.1	2.9	83.1	
North Portal, Saskatchewan	3,585	7,453	11,038	9,320	18.4	2.6	85.7	
Philipsburg, Quebec	3,237	1,541	4,778	4,736	0.9	1.1	86.9	
Woodstock, New Brunswick	3,274	1,218	4,492	4,573	(1.8)	1.1	87.9	
Huntingdon, British Columbia	2,763	1,451	4,214	4,191	0.5	1.0	88.9	
Kingsgate, British Columbia	1,832	1,746	3,578	3,371	6.1	0.9	89.8	
St. Stephen, New Brunswick	2,481	1,044	3,525	3,694	(4.6)	0.8	90.6	
Other crossing points	9,553	29,613	39,165	38,429	1.9	9.4	100.0	
Total Road Trade	215,157	203,162	418,320	417,749	0.1	100.0		

Notes: R = Revised data. P = Preliminary data.

Source: Transport Canada, adapted from Statistics Canada, International Trade Database

Table RO11: Twenty Busiest Border Crossings for Cars/Other Vehicles, 2013–2017

2017 Rank	Border Crossing	Province	Two-Way Traffic Volume (millions of movements)					Share (%)				
			2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
1	Pacific Highway/Douglas	B.C.	9.76	9.48	8.19	7.63	7.76	15.2	15.4	15.0	14.6	14.8
2	Windsor-Ambassador Bridge ¹	Ont.	4.60	4.43	4.20	4.01	4.13	7.1	7.2	7.7	7.7	7.9
3	Fort Erie - Peace Bridge	Ont.	4.66	4.30	4.16	4.13	4.11	7.2	7.0	7.6	7.9	7.8
4	Detroit - Windsor Tunnel ¹	Ont.	3.71	3.66	3.91	4.16	4.04	5.8	5.9	7.2	8.0	7.7
5	Sarnia - Blue Water Bridge	Ont.	3.84	3.74	3.19	3.02	2.99	6.0	6.1	5.8	5.8	5.7
6	Niagara Falls - Queenston Bridge	Ont.	3.04	2.98	2.67	2.61	2.70	4.7	4.8	4.9	5.0	5.1
7	Niagara Falls - Rainbow Bridge	Ont.	3.22	2.91	2.43	2.31	2.33	5.0	4.7	4.4	4.4	4.4
8	Boundary Bay	B.C.	2.34	2.31	2.00	1.83	1.86	3.6	3.7	3.7	3.5	3.5
9	Lacolle ²	Que.	2.07	2.04	1.91	1.83	1.82	3.2	3.3	3.5	3.5	3.5
10	Cornwall	Ont.	1.71	1.73	1.62	1.59	1.66	2.7	2.8	3.0	3.1	3.2
11	Huntingdon	B.C.	2.28	2.19	1.80	1.61	1.62	3.5	3.6	3.3	3.1	3.1
12	Sault Ste. Marie	Ont.	1.85	1.71	1.41	1.36	1.42	2.9	2.8	2.6	2.6	2.7
13	Lansdowne	Ont.	1.72	1.68	1.23	1.20	1.17	2.7	2.7	2.2	2.3	2.2
14	St. Stephen	N.B.	1.35	1.28	1.07	1.02	1.02	2.1	2.1	2.0	2.0	1.9
15	Aldergrove	B.C.	1.54	1.36	0.95	0.92	0.96	2.4	2.2	1.7	1.8	1.8
16	Phillipsburg	Que.	0.91	0.89	0.87	0.87	0.87	1.4	1.4	1.6	1.7	1.7
17	Rock Island ³	Que.	1.01	0.97	0.85	0.78	0.79	1.6	1.6	1.6	1.5	1.5
18	Fort Frances	Ont.	0.91	0.91	0.80	0.75	0.74	1.4	1.5	1.5	1.4	1.4
19	Edmundston	N.B.	1.00	0.94	0.80	0.73	0.73	1.6	1.5	1.5	1.4	1.4
20	Prescott	Ont.	0.76	0.71	0.58	0.58	0.61	1.2	1.1	1.1	1.1	1.2
Total of Top 20 Crossings			52.28	50.22	44.65	42.96	43.31	81.2	81.4	81.9	82.4	82.6
All other crossings			12.13	11.46	9.86	9.18	9.10	18.8	18.6	18.1	17.6	17.4
Total All Border Crossings			64.41	61.68	54.51	52.14	52.41	100.0	100.0	100.0	100.0	100.0

Notes: Two-way traffic volumes were estimated by doubling one-way flows northbound into Canada.

1 The data for the Windsor-Ambassador Bridge and Detroit-Windsor Tunnel presented here comes from a Transport Canada calculation and is not found directly in the source data. The sum of vehicle movements through all other Ontario border crossings is deducted from the Ontario total found in the source data. The proportions match those found in publicly-available data from the Bridge & Tunnel Operators Association (BTOA).

2 Lacolle includes routes 15, 221 and 223.

3 Rock Island includes routes 55 and 143.

Sources: Transport Canada, adapted from Statistics Canada, CANSIM Table 427-0002; BTOA website: www.bridgeandtunneloperators.org

Table RO12: Twenty Busiest Border Crossings for Trucks, 2013–2017

2017 Rank	Border Crossing	Province	Two-Way Traffic Volume (millions of movements)					Share (%)				
			2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
1	Windsor-Ambassador Bridge ¹	Ont.	2.64	2.54	2.46	2.69	2.86	24.6	23.7	23.3	24.7	26.0
2	Sarnia -Blue Water Bridge	Ont.	1.64	1.64	1.62	1.70	1.61	15.2	15.3	15.4	15.6	14.6
3	Fort Erie - Peace Bridge	Ont.	1.21	1.23	1.21	1.19	1.14	11.3	11.5	11.4	10.9	10.3
4	Niagara Falls - Queenston Bridge	Ont.	0.68	0.71	0.72	0.75	0.79	6.3	6.7	6.9	6.9	7.2
5	Pacific Highway/Douglas	B.C.	0.77	0.79	0.81	0.78	0.78	7.2	7.4	7.7	7.1	7.1
6	Lacolle ²	Que.	0.55	0.53	0.56	0.54	0.55	5.1	5.0	5.3	5.0	5.0
7	Emerson	Man.	0.40	0.41	0.41	0.41	0.42	3.8	3.9	3.8	3.7	3.8
8	Lansdowne	Ont.	0.35	0.33	0.35	0.38	0.37	3.2	3.1	3.3	3.5	3.4
9	Coutts	Alb.	0.31	0.33	0.25	0.25	0.25	2.9	3.1	2.3	2.3	2.3
10	North Portal	Sas.	0.24	0.24	0.22	0.21	0.23	2.2	2.3	2.1	1.9	2.1
11	Huntingdon	B.C.	0.15	0.17	0.21	0.19	0.19	1.4	1.6	2.0	1.8	1.8
12	Phillipsburg	Que.	0.18	0.19	0.19	0.18	0.18	1.7	1.7	1.8	1.7	1.6
13	Rock Island ³	Que.	0.16	0.17	0.17	0.18	0.18	1.5	1.6	1.6	1.7	1.6
14	Kingsgate	B.C.	0.13	0.12	0.11	0.12	0.11	1.2	1.1	1.0	1.1	1.0
15	Woodstock	N.B.	0.10	0.09	0.09	0.10	0.11	0.9	0.9	0.9	0.9	1.0
16	St. Stephen	N.B.	0.09	0.10	0.10	0.10	0.10	0.9	0.9	0.9	0.9	0.9
17	Aldergrove	B.C.	0.02	0.02	0.02	0.08	0.09	0.2	0.2	0.2	0.7	0.8
18	Sault Ste. Marie	Ont.	0.10	0.10	0.09	0.09	0.09	0.9	0.9	0.8	0.8	0.8
19	Prescott	Ont.	0.06	0.06	0.06	0.06	0.07	0.5	0.5	0.6	0.5	0.6
20	Armstrong	Que.	0.06	0.06	0.06	0.05	0.06	0.6	0.5	0.6	0.5	0.5
Total of Top 20 Crossings			9.84	9.83	9.71	10.04	10.18	91.5	91.7	91.9	92.1	92.4
All other crossings			0.91	0.89	0.85	0.86	0.84	8.5	8.3	8.1	7.9	7.6
Total All Border Crossings			10.74	10.72	10.56	10.90	11.03	100.0	100.0	100.0	100.0	100.0

Notes: Two-way traffic volumes were estimated by doubling one-way flows northbound into Canada.

- 1 The data for the Windsor-Ambassador Bridge presented here comes from a Transport Canada calculation and is not found directly in the source data. The sum of vehicle movements through all other Ontario border crossings is deducted from the Ontario total found in the source data.
- 2 Lacolle includes routes 15, 221 and 223.
- 3 Rock Island includes routes 55 and 143.

Source: Transport Canada, adapted from Statistics Canada, CANSIM Table 427-0002

Table RO13: Border Wait Times for Southbound Trucks at Selected Crossings, 2017

Border Name	Median Border Waiting Times (Minutes)	Median Border Waiting Times (3 year average)	95th percentile Wait Time (Minutes)	95th percentile Wait Time (3 year average)
St. Stephen, NB	6.0	6.5	18.2	18.5
Rock Island, QC	9.7	11.8	33.6	33.8
Lacolle, QC	12.0	12.2	28.6	30.4
Lansdowne, ON	15.9	16.6	31.4	33.1
Niagara Falls, ON - Queenston Bridge	13.0	12.9	40.4	39.7
Fort Erie, ON - Peace Bridge	9.4	10.7	31.3	41.7
Windsor-Ambassador Bridge, ON	14.2	14.7	40.5	42.8
Sarnia, ON	15.9	15.4	38.0	35.3
Sault Ste. Marie, ON	12.4	12.9	30.2	30.4
Emerson, MB	13.5	14.8	26.3	28.5
North Portal, SK	10.6	11.8	25.7	26.9
Coutts, AB	12.0	11.6	27.5	28.3
Huntingdon, BC	13.5	14.0	32.0	33.2
Pacific Highway, BC	14.6	15.7	40.6	45.4

Source: Transport Canada

Table RO14: Bus Industry Revenues by Service Lines, 2006–2015

	2006	2007	2008	2009	2010	2011	2012	2013	2014 ^R	2015 ^P	2006-2015 CAGR (Per cent)
Number of companies											
Urban Transit ¹	66	78	84	88	86	85	87	85	88	92	3.8
Interurban and rural	21	24	26	20	20	18	22	18	17	13	(5.2)
School	937	964	910	915	1,020	749	751	542	531	491	(6.9)
Charter/Sightseeing ²	135	174	152	140	152	140	155	148	141	127	(0.7)
Other transit/shuttle	189	204	213	206	189	174	231	258	247	213	1.3
Total	1,348	1,444	1,385	1,369	1,467	1,166	1,246	1,051	1,024	936	(4.0)
	(Millions of dollars)										
Revenues by NAICS Industry³											
Urban Transit ¹	6,660	7,446	9,006	10,564	11,254	12,155	12,340	12,700	13,678	14,970	9.4
Interurban and rural	590	645	707	631	660	661	675	754	741	620	0.5
School	1,637	1,618	1,735	1,812	1,933	2,019	2,089	2,131	2,272	2,100	2.8
Charter/Sightseeing ²	417	519	507	458	478	472	512	583	599	567	3.5
Other transit/shuttle	150	162	184	171	168	209	224	317	316	287	7.4
Total	9,455	10,390	12,139	13,635	14,494	15,516	15,839	16,485	17,605	18,544	7.8
Revenues by Business Line											
Urban transit services	2,757	2,941	3,232	3,396	3,608	3,833	4,061	4,334	4,451	4,567	5.8
School Bus transportation	1,402	1,346	1,412	1,456	1,488	1,559	1,548	1,756	1,876	1,748	2.5
Charters services	542	601	571	524	577	554	602	492	537	501	(0.9)
Shuttle & sightseeing services	67	99	104	78	148	92	90	566	571	490	24.7
Scheduled Intercity services	394	434	491	433	442	436	457	452	452	363	(0.9)
Other passenger bus services	99	140	180	205	201	301	378	N/A	N/A	N/A	N/A
Other revenues	223	205	281	227	581	678	565	639	687	795	15.2
Parcels express delivery	114	110	94	85	85	90	84	76	76	66	(5.9)
Total											
(excluding government contributions)	5,597	5,877	6,366	6,405	7,130	7,544	7,785	8,314	8,648	8,529	4.8
Government contributions ⁴	4,041	4,513	5,773	7,230	7,364	7,973	8,054	8,171	8,957	10,015	10.6
Total	9,638	10,390	12,139	13,635	14,494	15,516	15,839	16,485	17,605	18,544	7.5

Notes: R= Revised data. P= Preliminary data. N/A = Not available. CAGR= Compound Annual Growth Rate.

1 Including NAICS 485110 as well as urban transit activity in other industries.

2 Including NAICS 485510 and 487110.

3 NAICS= North American Industry Classification System. The Canadian passenger bus and urban transit industries are covered by 6 categories: 485110 - Urban Transit Systems; 485210 - Interurban and Rural bus transportation; 485410 - School and Employee bus transportation; 485510 - Charter bus industry; 485990 - Other Transit/ Ground Passenger transportation; and finally 487110 - Scenic and Sightseeing Transportation Land.

4 Including operating and capital government contributions for public transit bus services and school bus services.

Sources: Transport Canada, adapted from Statistics Canada, "The Canadian Passenger Bus and Urban Transit Industries", Service Bulletin, Cat. 50-002, various editions and CANSIM, table 408-0005

Table RO15: Long-Term Trends in Urban Transit - Passengers Carried and Vehicle-Kilometres, 2007–2016

	Urban Transit ¹ Passengers (millions)	Urban Transit Vehicle-Kilometres (millions)
2007	1,766.3	993.1
2008	1,830.0	1,070.9
2009	1,795.0	1,064.9
2010	1,909.8	1,128.6
2011	2,000.8	1,173.3
2012	2,028.5	1,170.3
2013	2,050.4	1,185.4
2014	2,061.6	1,191.6
2015	2,057.5	1,176.3
2016	2,052.9	1,200.7

Note:

1 Passengers carried by urban transit operators only.

Sources: Transport Canada, adapted from Statistics Canada, "The Canadian Passenger Bus and Urban Transit Industries", Service Bulletin, Cat. 50-002, various editions and a special tabulation based on Canadian Urban Transit Association (CUTA)

Table RO16: Urban Transit Fleet Composition, 2007–2016

Vehicle Type	(Number of vehicles)									
	2007	2008 ¹	2009	2010	2011	2012	2013	2014	2015	2016
Standard motor bus	4,581	3,039 ²	2,535	1,547	983	751	590	394	234	219
Low floor bus	7,930	11,122 ³	12,263	13,624	14,209	14,493	15,014	15,494	15,685	16,231
Trolley coach	278	250	249	249	249	249	249	252	247	262
Articulated bus	510	N/A ⁴	N/A ⁴	N/A ⁴	N/A ⁴	N/A ⁴	N/A ⁴	N/A ⁴	N/A ⁴	N/A ⁴
Light rail vehicle	646	460	466	515	547	592	592	592	619	641
Heavy rail vehicle	1,437	1,434	1,434	1,434	1,506	1,596	1,528	1,480	1,552	1,575
Commuter rail vehicle	659	691	707	714	557	554	574	574	942	930
Other ⁵	531	96	103	111	77	71	74	76	115	128
Total Vehicles	16,572	17,092	17,757	18,194	18,128	18,306	18,621	18,862	19,394	19,986

Notes: R= Revised data. N/A= Not Available.

- 1 New reporting system as of 2008 to diminish the reporting burden for carriers: e.g. Low floor characteristics no longer available as the accessible and non-accessible vehicle concept is confidential.
- 2 Number of non-accessible vehicles (bus), including all types of bus
- 3 Number of accessible vehicles (bus), including all types of bus
- 4 Articulated bus total distributed to accessible and non-accessible vehicles (bus) in the source data
- 5 Including locomotives, ferries and other unspecified.

Source: Special tabulation based on Canadian Urban Transit Association (CUTA)

Table RO17: Average Annual Compensation in the Bus Industry, 2006–2015

	(Current dollars)									
	2006	2007	2008	2009	2010	2011	2012	2013	2014 ^R	2015 ^P
Interurban bus transportation ¹	52,595	53,157	64,833	61,383	72,085	72,150	77,968	88,450	83,874	80,253
School bus transportation ²	19,943	22,486	23,879	25,210	28,522	28,749	27,898	28,694	26,720	25,086
Charter and sightseeing ³	32,746	38,410	34,989	33,171	38,598	38,055	38,038	37,182	38,971	43,837
Other transit-shuttle transportation ⁴	38,620	41,172	37,620	39,306	34,448	37,528	29,288	41,373	49,207	44,506
Urban transit systems ⁵	72,433	74,883	76,031	78,024	82,046	84,031	89,799	89,226	89,390	89,779
Total bus industries average annual compensation⁶	48,306	52,983	54,540	55,791	60,647	61,244	63,205	64,255	62,419	62,562

Notes: R= Revised data. P= Preliminary data. NAICS= North American Industry Classification System.

- 1 Interurban and Rural Bus Transportation, NAICS 485210.
- 2 School and Employee Bus Transportation, NAICS 485410.
- 3 Including 'Charter Bus Industry', NAICS 485510 and 'Scenic and Sightseeing Transportation Land', NAICS 487110.
- 4 Including Shuttle and Other Transit and Ground Passenger Transportation, NAICS 485990.
- 5 Urban Transit Systems, NAICS 485110.
- 6 Average Expenditure per employee.

Source: Statistics Canada, CANSIM Table 408-0007

Table RO18: Selected Provincial Systems Indicators For Urban Transit, 2016

	Quebec	Ontario	Alberta	B.C.	Canada
Price levels (Canada=100)	78.8	119.4	75.4	102.4	100.0
Total unit cost (Canada=100)	78.3	119.0	96.0	89.6	100.0
Cost recovery (in %)	38.6	38.5	30.1	43.8	38.4
Revenue Shortfall per passenger (\$)	2.7	4.3	3.8	2.9	3.6

Source: Transport Canada, based on Statistics Canada and CUTA information