



# Statistics Canada Statistique Canada



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RAILWAY OPERATING STATISTICSSTATISTIQUE DE L'EXPLOITATION FERROVIAIRE

YEAR 1971

ANNÉE 1971

Presented in this report are the year 1971 and year 1970 financial, traffic and operating statistics of 24 Class I and Class II common carrier railways operating in Canada. These roads account for over 98 % of the operating revenues of all common carrier railways in Canada. Figures shown represent an accumulation of 12 monthly reports. However a number of retroactive revisions have been applied, so that certain figures will not equate to the sum of the 12 monthly figures published in these cases.

La présente publication donne, pour les années 1971 et 1970, les statistiques relatives aux finances, au trafic et à l'exploitation de 24 entreprises de transport ferroviaire de la 1re classe et de la 2e classe en activité au Canada. Ces chemins de fer interviennent pour plus de 98 % des recettes d'exploitation de l'ensemble des entreprises de transport ferroviaire au Canada. Les chiffres présentés ici sont la somme des chiffres publiés dans les 12 bulletins mensuels. Toutefois, dans quelques cas, on a apporté des rectifications rétroactives à certains chiffres, de sorte que le total indiqué ne correspond pas toujours à la somme des 12 chiffres mensuels.

Financial StatisticsStatistiques financières

Railway operating revenues reported by these 24 roads for the year 1971 totalled \$1,796,733,375 up 7.5 % from the 1970 total. Operating expenses however rose 8.0 % to \$1,694,803,939, leaving net railway operating income down 0.2 % at \$101,929,436.

En 1971, les recettes d'exploitation des 24 entreprises ont atteint \$1,796,733,375, soit 7.5 % de plus qu'en 1970. Toutefois, les dépenses d'exploitation ont été de \$1,694,803,939 (+ 8.0 %), ce qui a laissé un revenu net d'exploitation de \$101,929,436 (- 0.2 %).

Traffic and Operating StatisticsStatistiques du trafic et de l'exploitation

Revenue freight carried during 1971 as reported by these 24 roads totalled 262,765,842 tons up 0.7 % from the 1970 total. This figure includes some duplication where traffic is interlined between two railways and reported by both. Eliminating this duplication the total tonnage carried by this 24-road system totalled 225,073,297 tons, up 0.3 % from the 1970 total. Revenue freight ton-miles rose 7.8 % to 116,645,421,000. Average revenue per ton-mile of freight hauled rose slightly to 1.393¢ from 1.383¢ in 1970.

En 1971, le volume des marchandises payantes transportées par ces 24 chemins de fer a atteint 262,765,842 tonnes, soit 0.7 % de plus qu'en 1970. Ce chiffre comporte des doubles comptes dans les cas où le transport a été assuré par deux entreprises distinctes et déclaré par les deux. Après correction de ces doubles comptes, le volume total des marchandises transportées par les 24 entreprises est de 225,073,297 tonnes, soit 0.3 % de plus qu'en 1970. Le nombre de tonnes-milles de marchandises payantes a monté de 7.8 % pour atteindre 116,645,421,000. Les recettes moyennes par tonne-mille de marchandises payantes ont augmenté légèrement, passant de 1.383 cent en 1970 à 1.393 cent en 1971.

Revenue passengers carried rose 1.6 % to 24,210,718 in 1971 however revenue passenger-miles dipped 3.7 % to 2,184,928,000. Average revenue per passenger-mile rose to 2.948¢ in 1971 from 2.808¢ in 1970.

Le nombre de voyageurs payants transportés en 1971 a été de 24,210,718 (+ 1.6 %); par contre, le nombre de voyageurs-milles payants a baissé de 3.7 % pour tomber à 2,184,928,000. Les recettes moyennes par voyageur-mille ont été de 2.948 cents en 1971, contre 2.808 cents en 1970.

Freight train-miles rose 2.6 % to 64,185,371 while total freight car-miles were ahead 4.2 % at 4,370,839,449. The percentage of freight car-miles (excluding cabooses) run out empty eased somewhat to 40.1 % from 40.6 % the year before.

Le nombre de trains-milles du service marchandises a augmenté de 2.6 % pour atteindre 64,185,371 et le nombre de wagons-milles, de 4.2 % pour atteindre 4,370,839,449. Le pourcentage de wagons-milles improductifs (sans les fourgons de queue) a légèrement baissé, passant de 40.6 % à 40.1 %.

The average number of railway employees reported dipped 1.1 % to 114,599, however total compensation was 8.0 % higher at \$1,003,112,427.

Le nombre moyen de salariés des entreprises ferroviaires a baissé de 1.1 % pour tomber à 114,599, alors que les rémunérations se sont accrues de 8.0 % pour atteindre \$1,003,112,427.

Transportation and Public Utilities Division  
Transportation Section

Division des transports et des services d'utilité publique  
Section des transports

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8709-533

TABLE 1. Railway Operating Revenues, Expenses and Net Income

Year 1971

No.		Total 24 railways -- Total, 24 sociétés ferroviaires		Canadian National Railways -- Canadien National
		1971	1970 <sup>r</sup>	1971
		dollars		
	<u>Operating revenues</u>			
1	Freight .....	1,571,648,050	1,429,025,420	777,421,676
2	Passenger .....	64,412,814	63,714,170	45,974,811
3	Sleeping and parlour car .....	10,013,711	10,027,510	7,789,985
4	Mail .....	10,772,120	12,659,807	8,795,093
5	Express .....	23,910,880	26,550,955	16,837,944
6	Switching .....	11,205,693	10,964,595	4,667,455
7	Payments relating to the National Transportation Act .....	53,543,721	67,386,620	31,009,596
8	Incidental .....	46,826,602	47,605,322	27,832,910
9	All other .....	4,399,784	3,996,978	2,682,602
10	Total .....	1,796,733,375	1,671,931,377	923,012,072
	<u>Operating expenses</u>			
11	Road maintenance .....	299,676,904	283,442,553	161,084,194
12	Equipment maintenance .....	381,966,757	347,519,399	204,451,393
13	Traffic .....	45,046,142	43,174,090	26,349,296
14	Transportation (railway line) .....	659,219,918	610,010,640	351,405,688
15	Miscellaneous railway operations .....	19,994,503	20,817,059	15,035,836
16	General .....	162,604,156	147,194,704	89,066,400
17	Equipment rents .....	19,754,952	13,958,328	6,392,870
18	Joint facility rents .....	4,580,947	4,652,135	CR 1,236,149
19	Railway tax accruals .....	101,959,660	99,005,040	36,258,087
20	Total .....	1,694,803,939	1,569,773,948	888,807,615
21	Net operating income .....	101,929,436	102,157,429	34,204,457

<sup>r</sup> Revised figures.

TABLE 2. Rail Operating Revenues, Expenses and Net Income

Year 1971

No.		Total 24 railways -- Total, 24 sociétés ferroviaires		Canadian National Railways -- Canadien National
		1971	1970 <sup>r</sup>	1971
		dollars		
	<u>Operating revenues</u>			
1	Railway .....	1,796,733,375	1,671,931,377	923,012,072
2	Express .....	94,853,484	88,691,923	64,493,876
3	Commercial communications .....	115,071,943	108,240,034	69,605,261
4	Highway transport (rail) .....	12,468,137	12,494,210	11,500,712
5	Total .....	2,019,126,939	1,881,357,544	1,068,611,921
	<u>Operating expenses</u>			
6	Railway .....	1,694,803,939	1,569,773,948	888,807,615
7	Express .....	93,336,174	87,162,404	63,306,934
8	Commercial communications .....	94,825,009	88,000,183	54,692,239
9	Highway transport (rail) .....	12,227,470	11,718,462	11,352,628
10	Total .....	1,895,192,592	1,756,654,997	1,018,159,416
	<u>Net operating income</u>			
11	Railway .....	101,929,436	102,157,429	34,204,457
12	Express .....	1,517,310	1,529,519	1,186,942
13	Commercial communications .....	20,246,934	20,239,851	14,913,022
14	Highway transport (rail) .....	240,667	775,748	148,084
15	Total .....	123,934,347	124,702,547	50,452,505

<sup>r</sup> Revised figures.

TABLEAU 1. Recettes, dépenses et revenus nets de l'exploitation ferroviaire (matériel roulant)

Année 1971

Canadian National Railways - - Canadien National	Canadian Pacific - - Canadien Pacifique			
1970	1971	1970		N <sup>o</sup>
dollars				
696,125,430	595,399,367	544,805,735	<u>Recettes d'exploitation</u>	
45,814,418	12,352,950	12,350,186	Marchandises .....	1
7,394,730	2,216,502	2,594,666	Voyageurs .....	2
10,254,591	1,857,090	2,054,293	Voitures-lits et voitures-salons .....	3
19,606,761	5,753,716	5,545,674	Transports postaux .....	4
4,333,836	3,052,968	3,262,847	Messageries .....	5
38,994,508	21,814,556	27,418,333	Manoeuvres .....	6
27,347,273	15,922,833	17,286,404	Versements en vertu de la loi nationale sur les transports	7
2,306,522	1,541,844	1,527,370	Occasionnelles .....	8
			Toutes autres .....	9
852,178,069	659,911,826	616,845,508	Total .....	10
			<u>Dépenses d'exploitation</u>	
153,278,109	95,757,410	88,413,108	Entretien de la voie .....	11
184,946,416	140,529,741	129,501,372	Entretien du matériel .....	12
24,474,842	16,443,712	16,653,349	Trafic .....	13
320,705,657	246,441,278	232,364,416	Transport (chemins de fer) .....	14
14,925,252	4,565,825	5,470,612	Services divers .....	15
77,090,509	57,374,423	55,684,265	Frais généraux .....	16
975,120	1,606,505	2,505,854	Frais de location de matériel .....	17
CR. 1,268,847	4,058,142	4,230,580	Frais de location d'installations exploitées en commun ...	18
32,859,382	47,144,314	43,438,330	Impôts .....	19
807,986,440	613,921,350	578,261,886	Total .....	20
44,191,629	45,990,476	38,583,622	Revenus nets d'exploitation .....	21

† Nombres rectifiés.

TABLEAU 2. Recettes, dépenses et revenus nets de l'exploitation ferroviaire (ensemble des sociétés)

Année 1971

Canadian National Railways - - Canadien National	Canadian Pacific - - Canadien Pacifique			
1970	1971	1970		N <sup>o</sup>
dollars				
852,178,069	659,911,826	616,845,508	<u>Recettes d'exploitation</u>	
60,585,322	30,084,359	27,899,027	Chemins de fer .....	1
65,605,343	37,323,288	35,210,674	Messageries .....	2
11,624,648	-	-	Communications commerciales .....	3
			Transport routier (entre terminus) .....	4
989,993,382	727,319,473	679,955,209	Total .....	5
			<u>Dépenses d'exploitation</u>	
807,986,440	613,921,350	578,261,886	Chemins de fer .....	6
59,330,434	29,687,559	27,521,427	Messageries .....	7
50,975,026	34,603,680	31,898,625	Communications commerciales .....	8
10,954,279	-	-	Transport routier (entre terminus) .....	9
929,246,179	678,212,589	637,681,938	Total .....	10
			<u>Revenus nets d'exploitation</u>	
44,191,629	45,990,476	38,583,622	Chemins de fer .....	11
1,254,888	396,800	377,600	Messageries .....	12
14,630,317	2,719,608	3,312,049	Communications commerciales .....	13
670,369	-	-	Transport routier (entre terminus) .....	14
80,747,203	49,106,884	42,273,271	Total .....	15

† Nombres rectifiés.

TABLE 3. Cumulative Rail Operating Revenues, Expenses and Net Income

1966-1971

No.		Total class 1 and 2 railways(1)		
		1966	1967	1968
		dollars		
	<u>Operating revenues</u>			
1	Railway .....	1,476,285,085	1,514,068,668	1,527,646,715
2	Express .....	69,672,630	70,262,594	77,095,203
3	Commercial communications .....	76,834,696	82,750,345	89,626,975
4	Highway transport (rail) .....	3,709,740	5,163,220	8,125,125
5	Total .....	1,626,502,151	1,672,244,827	1,702,494,018
	<u>Operating expenses</u>			
6	Railway .....	1,367,176,643	1,438,207,122	1,433,022,128
7	Express .....	69,092,000	69,399,453	75,886,122
8	Commercial communications .....	67,670,306	71,770,191	77,361,885
9	Highway transport (rail) .....	3,182,146	4,794,339	7,765,457
10	Total .....	1,507,121,095	1,584,171,105	1,594,035,592
	<u>Net operating income</u>			
11	Railway .....	109,108,442	75,861,546	94,624,587
12	Express .....	580,630	863,141	1,209,081
13	Commercial communications .....	9,164,390	10,980,154	12,265,090
14	Highway transport (rail) .....	527,594	368,881	359,668
15	Total .....	119,381,056	88,073,722	108,458,426

(1) Represents 23 railways in 1966, 1967 and 24 in 1968, 1969, 1970, 1971.

† Revised figures.

NET OPERATING INCOME, CLASS 1 AND 2 RAILWAYS, 1957-1971  
REVENU NET D'EXPLOITATION DES CHEMINS DE FER,  
1ère ET 2e CLASSES, 1957-1971

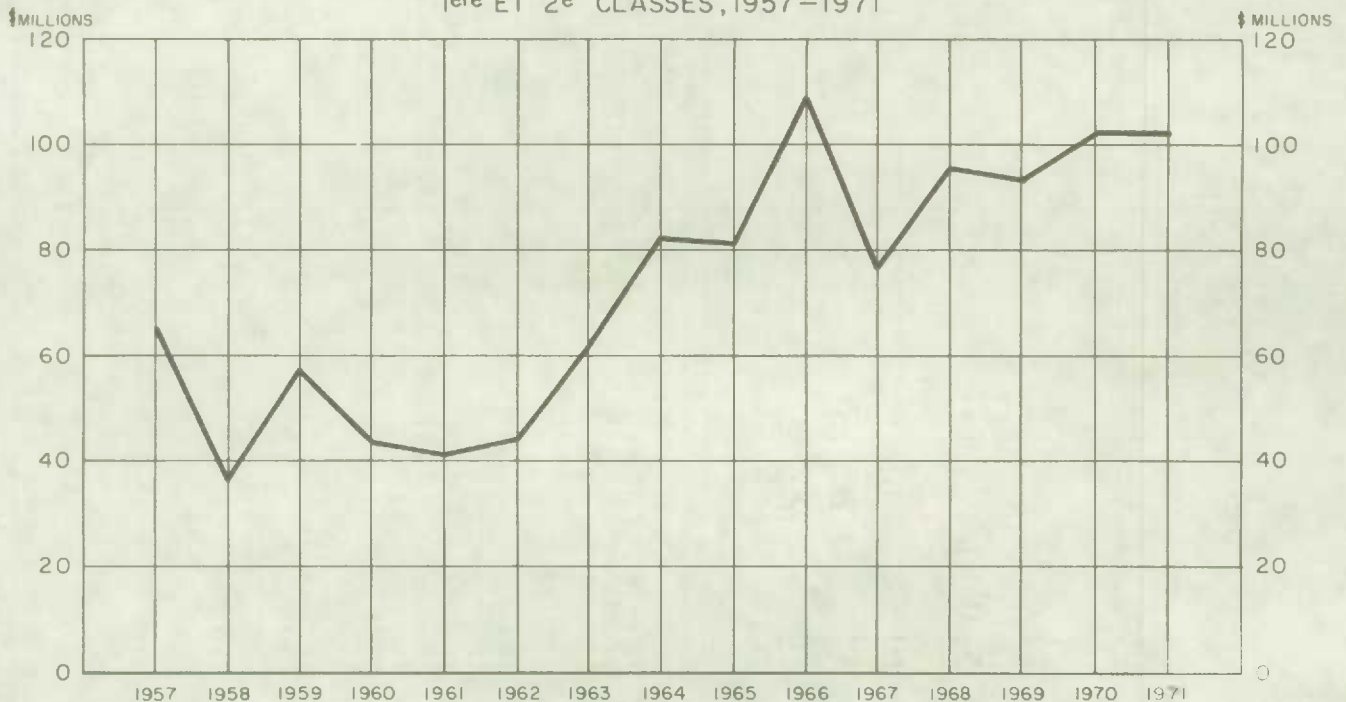


TABLEAU 3. Chiffres cumulatifs des recettes, dépenses et revenus nets de l'exploitation ferroviaire (ensemble des sociétés)

1966-1971

Ensemble des sociétés ferroviaires des classes 1 et 2(1)				NO
1969	1970	1971		
dollars				
1,578,978,370	1,671,931,377	1,796,733,375	<b>Recettes d'exploitation</b>	
82,979,271	88,691,923	94,853,484	Chemins de fer .....	1
97,686,700	108,240,034	115,071,943	Messageries .....	2
9,671,332	12,494,210	12,468,137	Communications commerciales .....	3
			Transport routier (entre terminus) .....	4
1,769,315,673	1,881,357,544	2,019,126,939	Total .....	5
1,496,267,019	1,569,773,948	1,694,803,939	<b>Dépenses d'exploitation</b>	
81,397,103	87,162,404	93,336,174	Chemins de fer .....	6
81,607,142	88,000,183	94,825,009	Messageries .....	7
9,995,218	11,718,462	12,227,470	Communications commerciales .....	8
			Transport routier (entre terminus) .....	9
1,669,266,482	1,756,654,997	1,895,192,592	Total .....	10
82,711,351	102,157,429	101,929,436	<b>Revenus nets d'exploitation</b>	
1,582,168	1,529,519	1,517,310	Chemins de fer .....	11
16,079,558	20,239,851	20,246,934	Messageries .....	12
Dr. 323,886	775,748	240,667	Communications commerciales .....	13
			Transport routier (entre terminus) .....	14
100,049,191	124,702,547	123,934,347	Total .....	15

(1) Représente 23 sociétés ferroviaires en 1966, 1967 et 24 en 1968, 1969, 1970 et 1971.

Les nombres rectifiés.

OPERATING REVENUES AND OPERATING EXPENSES, CLASS 1 AND 2 RAILWAYS, 1957-1971  
RECETTES ET DÉPENSES D'EXPLOITATION DES CHEMINS DE FER, 1<sup>ère</sup> ET 2<sup>e</sup> CLASSES, 1957-1971

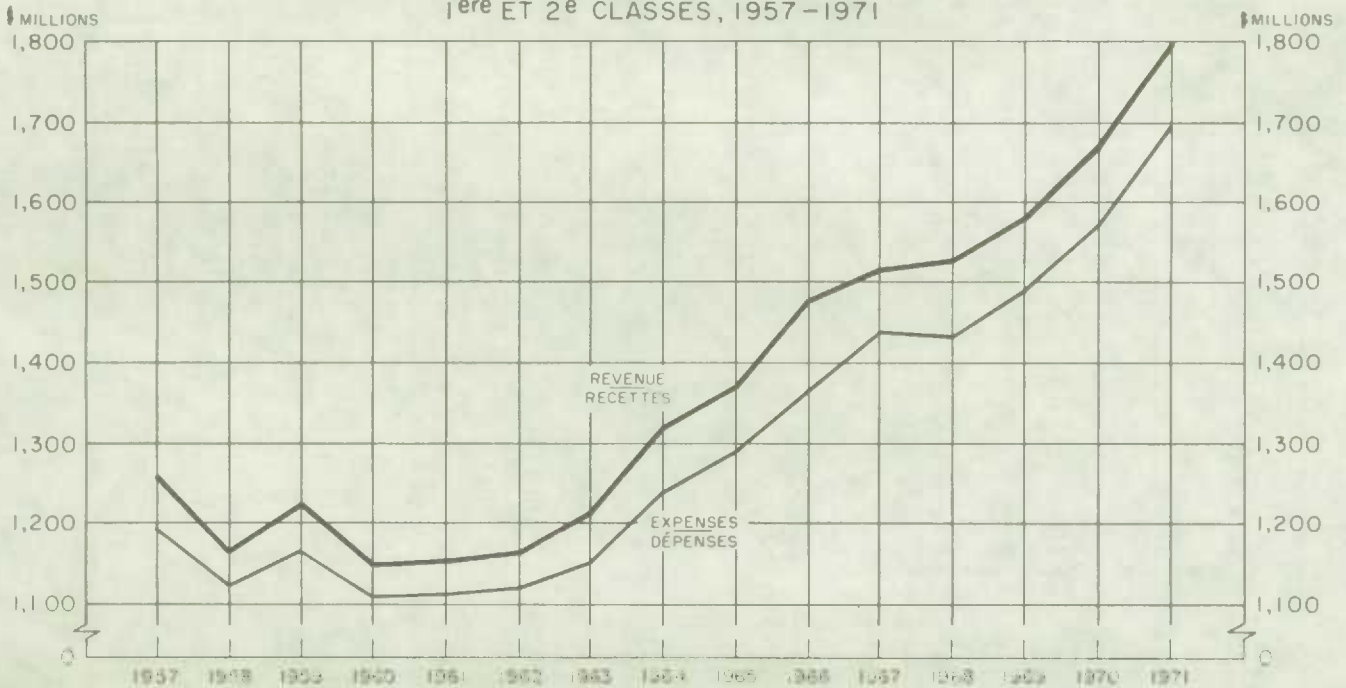


TABLE 4. Railway Traffic and Employment Statistics  
Year 1971

No.		Total 24 railways - - Total, 24 sociétés ferroviaires		Canadian National Railways - - Canadien National
		1971	1970 <sup>r</sup>	1971
		1	Miles of road operated (monthly average) .....	44,780.8
	<b>Freight</b>			
2	Tons carried - Revenue freight(1) .....	262,765,842	261,012,570	95,002,566
3	Ton-miles - Revenue freight .....	116,645,421	108,210,251	57,242,621
4	Ton-miles - Revenue and non-revenue freight .....	119,411,733	110,915,373	59,048,396
	<b>Passengers</b>			
5	Revenue passengers(1) .....	24,210,718	23,838,815	12,896,582
6	Revenue passenger-miles .....	2,184,928	2,269,175	1,656,241
	<b>Gross ton-miles</b>			
7	Freight train .....	230,659,822	216,563,286	117,102,298
8	Passenger train .....	11,432,376	13,165,769	8,898,613
9	Total .....	242,092,198	229,729,055	126,000,911
	<b>Train-miles</b>			
10	Freight service .....	64,185,371	62,550,114	32,603,794
11	Passenger service .....	22,610,088	24,743,057	16,109,771
12	Work service .....	3,027,215	2,371,472	2,069,096
13	Total .....	89,822,674	89,664,643	50,782,661
	<b>Car-miles</b>			
	<b>Freight:</b>			
14	Loaded .....	2,573,945,421	2,453,076,458	1,337,521,232
15	Empty .....	1,725,915,763	1,674,049,297	900,532,855
16	Cabooses .....	70,978,265	68,747,690	38,222,136
17	Total .....	4,370,839,449	4,195,873,445	2,276,276,223
18	Passenger .....	166,698,486	191,752,771	124,735,599
19	Total transportation service .....	4,537,537,935	4,387,626,216	2,401,011,822
20	Number of employees - Railway .....	114,599	115,909	66,154
21	Payroll - Railway .....	1,003,112,427	928,773,107	584,564,979
22	Payroll chargeable to railway operating expenses .....	888,289,839	826,477,606	503,187,547

(1) Includes duplication where traffic handled by more than one road. <sup>r</sup> Revised figures.

TABLE 5. Miscellaneous Railway Averages  
Year 1971

No.		Total 24 railways - - Total, 24 sociétés ferroviaires		Canadian National Railways - - Canadien National
		1971	1970 <sup>r</sup>	1971
		1	<u>Per day per mile of road operated</u>	
2	Operating revenues .....	109.93	103.34	107.41
3	Operating expenses .....	103.69	97.02	103.43
4	Ton-miles - Revenue freight .....	7,136	6,688	6,661
5	Ton-miles - All freight .....	7,306	6,855	6,871
6	Passenger-miles - Revenue .....	134	140	193
	<u>Per freight-train mile</u>			
7	Freight revenue(1) .....	25.32	23.92	24.80
8	Tons carried - Revenue freight .....	1,817	1,730	1,756
9	Tons carried - All freight .....	1,860	1,773	1,811
10	Freight cars - Loaded .....	40.1	39.2	41.0
11	Freight cars - Empty .....	26.9	26.8	27.6
	<u>Per passenger-train mile</u>			
12	Passengers carried .....	97	92	103
13	Passenger cars .....	7.4	7.7	7.7
	<u>Other</u>			
14	Operating expense per train-mile .....	18.87	17.51	17.50
15	Miles hauled - Revenue freight .....	444	415	603
16	Miles carried - Revenue passengers .....	90	95	128
17	Tons carried per loaded freight-car mile .....	46.4	45.2	44.1
18	Revenue per ton-mile of freight(1) .....	1.393	1.383	1.412
19	Revenue per passenger per mile .....	2.948	2.808	2.776
20	Ratio of operating payroll to operating revenues .....	49.44	49.43	54.53
21	Ratio of operating expenses to operating revenues .....	94.33	93.89	96.25
22	Ratio of transportation expenses to operating revenues ...	36.69	36.49	38.07

(1) Payments relating to the National Transportation Act have been added to freight revenues for compiling these averages. <sup>r</sup> Revised figures.

TABLEAU 4. Statistiques de l'exploitation ferroviaire sur le trafic et l'emploi

Année 1971

Canadian National Railways - - Canadien National	Canadian Pacific - - Canadien Pacifique			NO
	1970 <sup>r</sup>	1971		
23,085.4	16,607.6	16,601.0	Milles de lignes exploitées (moyenne mensuelle) .....	1
93,946,002	78,844,486	77,400,405	<u>Marchandises</u>	
51,952,251	45,624,892	41,993,800	Tonnes transportées - trafic commercial(1) .....	2
53,727,989	46,436,348	42,801,919	Tonnes-milles - trafic commercial ..... '000	3
			Tonnes-milles - trafic commercial et non commercial " "	4
12,871,646	5,209,621	5,306,366	<u>Voyageurs</u>	
1,687,887	376,424	427,549	Voyageurs taxés(1) .....	5
			Voyageurs-milles taxés ..... '000	6
107,145,066	88,867,016	83,699,974	<u>Tonnes-milles brutes</u>	
9,931,427	2,045,360	2,619,160	Train de marchandises .....	" 7
117,076,493	90,912,376	86,319,134	Train de voyageurs .....	" 8
			Total .....	" 9
31,556,764	24,998,776	24,392,790	<u>Trains-milles</u>	
17,546,334	4,627,348	5,015,159	Service marchandises .....	10
1,796,227	350,202	249,943	Service voyageurs .....	11
50,899,325	29,976,326	29,657,892	Trafic de service .....	12
			Total .....	13
1,269,370,386	1,016,983,764	958,154,155	<u>Wagons-milles</u>	
839,711,827	637,928,176	636,091,338	Marchandises:	
36,613,747	26,294,359	25,740,920	Wagons chargés .....	14
2,145,695,960	1,681,206,299	1,619,986,413	Wagons vides .....	15
139,720,200	32,010,506	40,090,092	Fourgons de queue .....	16
2,285,416,160	1,713,216,805	1,660,076,505	Total .....	17
			Voyageurs .....	18
66,601	38,852	39,719	Total, service de transport .....	19
336,322,210	330,888,997	310,497,154	Nombre d'employés - matériel roulant .....	20
445,546,833	302,437,742	284,027,000	Rémunération - matériel roulant ..... \$	21
			Rémunération imputable sur les dépenses de l'exploit- ation ferroviaire (matériel roulant). \$	22

(1) Il y a eu double compte là où plusieurs compagnies assuraient le transport sur la même ligne. <sup>r</sup> Nombres rectifiés.

TABLEAU 5. Diverses moyennes relatives à l'exploitation ferroviaire

Année 1971

Canadian National Railways - - Canadien National	Canadian Pacific - - Canadien Pacifique			NO
	1970 <sup>r</sup>	1971		
101.13	108.86	101.80	<u>Par jour par mille de voies exploitées</u>	
95.89	101.28	95.43	Recettes d'exploitation .....	\$ 1
6,166	7,527	6,930	Dépenses d'exploitation .....	\$ 2
6,376	7,661	7,064	Tonnes-milles - trafic commercial .....	3
200	62	71	Tonnes-milles - tous trafics .....	4
			Voyageurs-milles taxés .....	5
23.30	24.69	23.46	<u>Par train-mille (marchandises)</u>	
1,646	1,825	1,722	Recettes(1) .....	\$ 6
1,703	1,858	1,755	Tonnes transportées - trafic commercial .....	7
40.2	40.7	39.3	Tonnes transportées - tous trafics .....	8
26.6	25.5	26.1	Wagons marchandises - chargés .....	9
			Wagons marchandises - vides .....	10
96	81	85	<u>Par train-mille (voyageurs)</u>	
8.0	6.9	8.0	Voyageurs transportés .....	11
			Wagons voyageurs .....	12
15.87	20.48	19.50	<u>Autres</u>	
553	579	543	Dépenses d'exploitation par train-mille .....	\$ 13
131	72	81	Parcours - trafic marchandises .....	14
42.3	45.7	44.7	Parcours - trafic voyageurs .....	15
1.415	1.353	1.363	Tonnes de marchandises transportées par wagon chargé-mille	16
2.714	3.282	2.889	Recettes par tonne-mille de marchandises(1) .....	¢ 17
54.63	45.83	46.05	Recettes par passager par mille .....	¢ 18
			Rapport de la rémunération d'exploitation sur les recettes d'exploitation. %	19
94.81	93.03	93.75	Rapport des dépenses d'exploitation sur les recettes d'exploitation. %	20
37.63	37.34	37.67	Rapport des dépenses de transport sur les recettes d'exploitation. %	21

(1) Les paiements effectués en vertu de la loi nationale sur les transports ont été ajoutés au recettes provenant des marchandises pour le calcul de ces moyennes. <sup>r</sup> Nombres rectifiés

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