

52-17-21

Historical File Copy

1935

CANADA

DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

TRANSPORTATION BRANCH

PRELIMINARY REPORT

ON

STATISTICS OF ELECTRIC RAILWAYS

IN

CANADA

1934

Published by Authority of the HON. R. B. HANSON, K.C.,
Minister of Trade and Commerce.

OTTAWA

1935

DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
TRANSPORTATION AND PUBLIC UTILITIES BRANCH
OTTAWA

Dominion Statistician, R.H. Coats, LL.D., F.R.S.C., F.S.S. (Hon.).
Chief, Transportation and Public Utilities Branch, G.S. Wrong, B.Sc.

PRELIMINARY REPORT

ON

ELECTRIC RAILWAYS OF CANADA

1934

Canadian electric street and suburban railways showed an increase in the number of passengers carried in 1934 for the first time since 1929 with a total of 595,143,903 fare passengers, as against 585,385,094 passengers in 1933. The traffic, however, was still below the traffic of 1932 and of any previous year back to pre-war years.

Of the thirty-nine systems operating only twelve did not show increases and the net result of all railways was an increase of 9,758,809 passengers, or 1.67 per cent. The Montreal system which carried nearly a third of all the traffic showed an increase of less than one per cent, the Toronto system had an improvement of 2.3 per cent and the British Columbia Electric Railway increased its traffic by 2.4 per cent. The Ottawa, Hamilton and Edmonton railways showed increases of 4.5 per cent, 4.3 per cent, and 6.6 per cent respectively. The Winnipeg railway carried 0.6 per cent fewer passengers, the Quebec system was down by 1.3 per cent and the Calgary railway by 4.9 per cent. These decreases, however, were considerably less than those recorded in 1933.

Gross revenues also showed the first improvement in five years, increasing from \$39,383,965 in 1933 to \$40,048,136. Operating expenses increased only \$119,489, or by 0.4 per cent, and net operating revenues were increased by \$544,682, or 4.75 per cent. Only seven railways failed to earn operating expenses as against thirteen in 1933, but seventeen failed to earn sufficient to meet all income charges and reported losses on the year's operation. The net income for all railways, however, increased from \$5,070,581 in 1933 to \$6,191,101. The mileage of track operated was reduced by 13.90 miles, or from 1,864.23 miles to 1,850.33 miles.

Although the car and bus miles increased from 119,162,796 to 120,035,625 miles, or by 0.7 per cent, the number of conductors, motormen and bus operators was reduced from 8,098 in 1933 to 7,808, or by 3.6 per cent. The total pay roll of all employees was reduced from \$18,692,236 to \$18,546,750, or by 0.78 per cent, for a reduction in the total number of employees of 339, or 2.3 per cent.

The Montreal Tramways system is operated on a cost of service arrangement with the city and its accounts have been adjusted to make them comparable with those of the other railways.

During the year 4 passengers, 2 employees and 49 other persons were killed in accidents. This total of 55 was an increase of 22 persons, or 67 per cent over the 1933 total, but it was smaller than the total of any other year since 1925. The 49 other persons included 26 pedestrians, 21 motorists and 2 other persons. The number of persons

injured amounted to 2,680 which was the smallest number since 1921. These included 1,602 passengers, 443 pedestrians, 207 motorists, 65 occupants of other vehicles, 101 conductors and motormen, 20 bus operators, 134 other employees and 108 other persons.

An analysis of the classes of vehicle involved in these accidents shows the following averages per million miles run: buses, 0.2933 persons killed and 20.416 injured; one-man cars, 0.5242 persons killed and 16.180 injured; cars operated by two men, 0.3934 persons killed and 28.039 injured. The bus mileage includes a small amount made by buses with two men in charge. Usually the heavy runs with dense street traffic are assigned to cars operated by two men on systems operating both classes of car and this would have an effect on the number of accidents per mile run. The injuries are not classified into major and minor, and consequently must be considered as approximately the same each year. It would be a mistake to consider the operators of electric cars and buses operated by the electric railway companies as responsible for all these accidents, but they were involved in them. Also several years' records should be analysed before conclusions are drawn as to the relative safety of each class of vehicle.

ELECTRIC RAILWAYS IN CANADA, 1934

Table 1.

MILEAGE OPERATED

Year ended December 31	First Main Track	Second Main Track	Total Main Track
1925	1,737.52	543.47	2,280.99
1926	1,684.18	553.39	2,237.57
1927	1,652.15	562.94	2,215.09
1928	1,653.22	565.56	2,218.78
1929	1,636.76	565.27	2,202.03
1930	1,508.99	571.37	2,080.36
1931	1,386.06	572.69	1,958.75
1932	1,313.33	560.02	1,873.35
1933	1,304.66	559.57	1,864.23
1934	1,293.19	557.14	1,850.33

Table 2.

CAPITAL

	Stocks	Bonds, etc.	Total
	\$	\$	\$
1925	58,567,242	163,201,978	221,769,220
1926	57,779,518	158,029,002	215,808,520
1927	58,873,778	163,678,939	222,552,717
1928	50,653,071	170,649,165	221,302,236
1929	54,453,321	167,969,494	222,422,815
1930	53,048,929	171,040,610	224,089,539
1931	45,155,649	170,662,447	215,818,096
1932	40,101,930	163,210,624	203,312,554
1933	39,851,230	160,247,640	200,098,870
1934	39,851,230	158,276,141	198,127,371

Table 3.

	Gross Revenues	Operating Expenses	Net Operating Revenue
	\$	\$	\$
1925	49,626,231	35,426,487	14,199,744
1926	51,723,199	36,453,709	15,269,490
1927	53,506,401	37,616,568	15,889,833
1928	55,632,761	38,782,719	16,850,042
1929	58,268,980	40,085,140	18,183,840
1930	54,719,259	39,125,515	15,593,744
1931	49,088,310	35,367,068	13,721,242
1932	43,339,381	31,516,943	11,822,438
1933	39,383,965	27,917,265	11,466,700
1934	40,048,136	28,036,754	12,011,382

Table 4.

	Passengers Carried	Freight Carried	Passenger Car Miles
	No.	Tons	
1925	725,491,101	2,701,823	115,715,733
1926	748,710,836	3,489,183	118,566,321
1927	781,398,194	3,265,237	127,062,864
1928	808,023,615	3,888,672	128,888,905
1929	833,496,866	3,653,411	134,666,564
1930	792,701,493	2,872,929	136,240,958
1931	720,468,361	1,977,441	131,200,894
1932	642,831,002	1,509,561	123,672,220
1933	585,385,094	1,547,202	117,100,127
1934	595,143,903	1,939,833	117,678,030

Table 5.

	Employees	Salaries and Wages
	No.	\$
1925	16,933	24,543,855
1926	16,961	24,686,549
1927	18,090	25,891,020
1928	18,697	26,494,062
1929	18,801	26,984,061
1930	18,340	26,954,994
1931	17,135	24,647,391
1932	15,961	21,534,419
1933	14,883	18,692,236
1934	14,544	18,546,750

Table 6.

No.	Name of Railway	Total Gross Revenues	Total Operating Expenses	Net Operating Revenues
		\$	\$	\$
1.	Brantford Municipal	96,332	88,223	3,109
2.	British Columbia	4,610,226	3,336,318	1,273,908
3.	Calgary Municipal	586,768	455,544	131,224
4.	Canadian Pacific	382,945	359,127	23,818
5.	Cape Breton Tramways, Ltd.	100,648	98,710	1,938
6.	Cornwall Street Railway, Light & Power Co.	131,659	67,574	64,085
7.	Edmonton Radial	620,823	488,770	132,053
8.	Fort William Street	124,874	128,712	Dr. 3,833
9.	Guelph Radial	64,570	68,410	Dr. 3,840
10.	Hamilton Street	820,628	732,765	87,863
11.	Hull Electric	191,359	180,412	10,947
12.	International Transit Company	38,459	35,036	3,423
13.	Kitchener Public Utilities, Street Railway Dept.	96,848	76,637	20,211
14.	Lethbridge Municipal	31,409	33,693	Dr. 2,284
15.	Levis Tramways	110,213	102,556	7,657
16.	London and Port Stanley	314,524	279,434	35,090
17.	London Street	481,470	403,367	78,103
18.	Montreal Tramways	12,318,509	7,971,973	4,346,536
19.	Montreal and Southern Counties	317,659	343,092	Dr. 25,433
20.	Nelson Municipal	14,079	21,748	Dr. 7,669
21.	New Brunswick Power Company	294,873	263,397	31,476
22.	Niagara, St. Catharines and Toronto	499,855	472,484	27,371
23.	Nipissing Central	24,452	27,900	Dr. 3,448
24.	North Yonge Railways	70,613	71,873	Dr. 1,260
25.	Nova Scotia Light and Power Co., Ltd.	565,897	397,390	168,507
26.	Oshawa	209,892	122,384	87,508
27.	Ottawa	1,330,406	833,421	491,985
28.	Port Arthur Civic	133,485	110,862	22,623
29.	Quebec County	30,953	30,592	361
30.	Quebec Railway, Light & Power Co.	825,909	787,865	38,044
31.	Regina Municipal	239,634	191,399	48,235
32.	Sandwich, Windsor and Amherstburg	509,754	474,276	35,478
33.	Saskatoon Municipal	196,198	156,450	39,748
34.	Shawinigan Falls Terminal	81,854	70,028	11,826
35.	Suburban Rapid Transit Company	114,486	80,349	34,137
36.	Sudbury, Copper Cliff Suburban	57,783	46,922	10,861
37.	Toronto Transportation Commission	10,400,879	6,260,543	4,140,336
38.	Township of York and Town of Weston	203,311	161,872	41,439
39.	Winnipeg	2,665,023	2,068,175	596,848
40.	Winnipeg, Selkirk and Lake Winnipeg	138,877	131,471	7,406
TOTAL		40,043,136	28,036,754	12,011,382

	Total Income from Operation	Taxes	Interest on Funded & Unfunded Debt	Total Deductions from Income	Net Income	Reserves and Special Charges	Dividends
	\$	\$	\$	\$	\$	\$	\$
	8,153	951	23,912	24,863	Dr. 16,710	15,064	...
x3,	718,819	x 688,669	x 574,712	x1,345,763	x 2,373,056	x952,519	x1,515,272
	131,224	29,338	130,083	159,421	Dr. 28,197	50,308	...
	27,931	16,695	...	16,695	11,236	8,472	...
	2,578	2,459	324	2,783	Dr. 205	4,000	...
	64,085	6,227	9,100	15,744	48,341	25,000	9,000
	133,103	...	48,475	48,475	84,628	60,851	...
	1,924	227	41,330	41,557	Dr. 39,633	18,161	...
Dr.	653	237	17,903	19,749	Dr. 20,402	12,456	...
	87,863	60,252	25,732	85,984	1,879	4,200	...
	11,533	9,292	...	9,292	2,241	41,703	...
	16,197	3,111	1,075	4,186	12,011	10,000	...
	20,802	423	8,782	9,205	11,597	16,949	...
Dr.	2,284	...	21,245	21,245	Dr. 23,529	8,801	...
	8,811	3,051	...	3,051	5,760	5,541	...
	48,637	11,992	105,810	145,442	Dr. 96,805	94,060	...
	78,862	8,566	28,466	37,032	41,830	71,920	...
	4,505,625	658,234	2,457,821	3,802,627	702,998	570,695	630,000
Dr.	22,387	14,640	109,387	138,024	Dr. 160,411	...	...
Dr.	7,669	...	1,150	1,150	Dr. 8,819	...	...
x	197,151	15,996	x 199,888	x 215,884	xDr. 18,733	797	...
	28,877	38,011	...	59,297	Dr. 30,420	...	...
	61,347	...	...	...	61,347	...	...
Dr.	1,260	78	...	78	Dr. 1,338	...	...
x	625,491	35,217	x 222,174	x 257,652	x 367,839	x216,762	x 178,569
	90,878	9,247	...	9,696	81,182	...	...
	505,174	81,922	136,436	218,358	286,816	170,390	112,632
	22,623	116	21,263	21,379	1,244	8,617	...
	361	361	...	361	...	...	...
	38,044	46,935	...	46,935	Dr. 8,891	9,281	...
	48,235	...	100,812	100,812	Dr. 52,577	52,924	...
	141,499	2,016	350,561	359,311	Dr. 217,812	146,102	...
	39,748	7,627	67,788	75,518	Dr. 35,770	48,978	...
	11,826	...	7,292	7,292	4,534	968	...
x	46,185	10,537	x 25,326	x 35,931	x 10,254	x 16,989	...
	10,861	706	7,700	8,483	2,378	12,983	...
	4,309,555	196,538	1,681,219	1,902,754	2,406,801	2,400,082	...
	41,439	...	63,319	63,319	Dr. 21,880	91,691	...
x1,	662,218	230,122	x 950,838	x1,217,594	x 444,624	x295,368	...
x	43,297	12,656	x 20,004	x 32,660	x 10,637	x 17,754	...
	16,756,703	2,202,449	7,459,927	10,565,602	6,191,101	5,460,386	2,445,473

x Includes electric light and all other departments of the company.

Table 7.

No.	Name of Railway	Total Miles of Track	Fare Passengers Carried
1.	Brantford Municipal	18.79	1,706,343
2.	British Columbia	302.27	63,902,678
3.	Calgary Municipal	77.02	10,253,189
4.	Canadian Pacific	75.36	776,669
5.	Cape Breton Tramways, Ltd.	21.30	1,178,803
6.	Cornwall Street Railway, Light and Power Co.	5.50	1,472,535
7.	Edmonton Radial	52.50	12,069,396
8.	Fort William Street	25.49	1,998,564
9.	Guelph Radial	6.41	932,160
10.	Hamilton Street	34.30	12,413,821
11.	Hull Electric	28.76	2,331,345
12.	International Transit Company	6.14	756,720
13.	Kitchener Public Utilities, Street Railway Dept.	9.41	2,149,473
14.	Lethbridge Municipal	11.00	546,189
15.	Levis Tramways	11.50	1,492,151
16.	London and Port Stanley	26.70	330,178
17.	London Street	29.39	8,598,204
18.	Montreal Tramways	289.33	197,620,176
19.	Montreal and Southern Counties	54.67	2,195,870
20.	Nelson Municipal	3.38	327,362
21.	New Brunswick Power Co.	23.00	4,907,944
22.	Niagara, St. Catharines and Toronto	59.58	2,965,429
23.	Nipissing Central	9.35	275,062
24.	North Yonge Railways	10.25	825,012
25.	Nova Scotia Light and Power Co., Ltd.	24.91	9,561,320
26.	Oshawa	8.95	578,642
27.	Ottawa	51.74	21,454,313
28.	Port Arthur Civic	19.53	2,209,890
29.	Quebec County	4.96	379,144
30.	Quebec Railway, Light and Power Co.	33.18	14,283,105
31.	Regina Municipal	28.62	4,172,516
32.	Sandwich, Windsor and Amherstburg	59.80	7,406,122
33.	Saskatoon Municipal	23.10	3,139,716
34.	Shawinigan Falls Terminal	3.39	...
35.	Suburban Rapid Transit Company	14.27	1,893,307
36.	Sudbury, Copper Cliff Suburban	7.90	962,628
37.	Toronto Transportation Commission	222.20	154,378,501
38.	Township of York and Town of Weston	14.06	4,140,607
39.	Winnipeg	102.66	37,771,653
40.	Winnipeg, Selkirk and Lake Winnipeg	39.66	736,666
TOTAL		1,850.33	595,143,903

Tons of Freight Carried	Total Car & Bus Miles	Conductors, Motormen, Conductor-motormen & Bus Operators	Total Employees	Total Salaries and Wages
				\$
...	574,514	29	56	53,840
195,876	15,579,938	1,125	1,844	2,671,961
...	2,430,889	133	215	300,762
316,373	1,022,978	36	193	227,810
...	291,435	10	40	53,075
350,144	382,311	21	47	54,657
...	2,389,368	134	264	353,269
...	693,183	25	61	74,000
...	334,546	16	32	35,281
16,109	3,838,382	204	347	404,967
2,034	726,014	41	96	101,436
...	211,039	9	18	23,959
...	311,926	19	33	50,471
...	211,333	8	16	22,145
6,862	541,744	27	72	68,350
208,944	665,127	22	83	109,463
...	2,492,598	108	194	225,410
23,110	31,068,482	2,477	4,365	5,245,677
23,925	943,092	55	175	184,375
...	35,770	7	12	13,607
...	1,300,743	59	124	128,062
531,830	1,991,806	81	251	294,636
...	89,382	7	13	15,572
...	255,630	..	..	...
...	1,912,739	88	215	281,565
201,275	307,951	13	73	83,534
...	4,300,041	207	432	531,877
...	608,800	23	54	74,221
...	134,063	..	..	...
...	2,917,012	220	418	418,926
57,094	1,078,265	53	101	135,467
995	2,325,433	109	221	281,724
...	980,126	44	75	96,049
...	...	4	20	32,329
...	489,704	..	..	...
...	97,350	12	19	23,420
...	26,638,467	1,781	3,323	4,649,840
...	590,482	..	..	...
...	8,772,976	594	1,012	1,188,656
5,262	499,486	7	30	31,357
				1,220
1,939,833	120,035,625	7,808	14,544	18,546,750

Table 3.

ELECTRIC RAILWAY PASSENGER TRAFFIC¹
1934 COMPARED WITH 1933

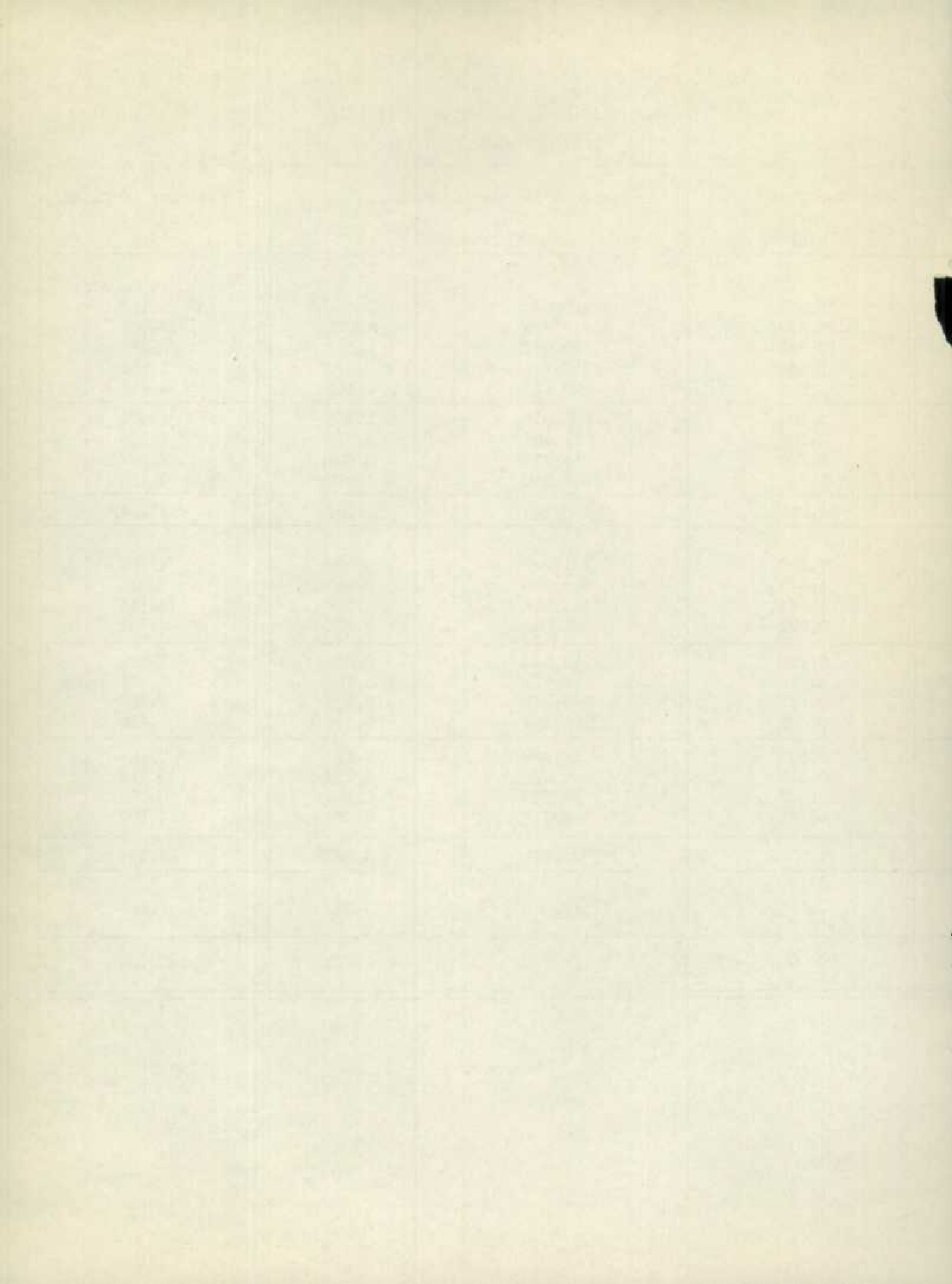
Name of Railway	Passengers Carried 1933	Passengers Carried 1934
Montreal Tramways	196,141,103	197,620,176
Toronto Transportation Commission	150,861,647	154,378,501
British Columbia	62,412,308	63,902,678
Winnipeg	37,991,779	37,771,653
Ottawa	20,533,876	21,454,313
Quebec Railway, Light & Power Co.	14,472,041	14,233,105
Hamilton	11,900,637	12,413,821
Edmonton Radial	11,321,146	12,069,396
Calgary Municipal	10,781,399	10,253,189
Total	516,416,436	524,146,832
Nova Scotia Light and Power Co., Ltd.	9,100,077	9,561,320
London Street	8,282,454	8,598,204
Sandwich, Windsor and Amherstburg	6,981,237	7,406,122
New Brunswick Power Co.	4,640,361	4,907,944
Regina Municipal	3,794,676	4,172,516
Towship of York and Town of Weston	4,217,478	4,140,607
Saskatoon Municipal	3,509,391	3,139,716
Niagara, St. Catharines and Toronto	2,783,035	2,965,429
Hull Electric	2,294,357	2,331,845
Port Arthur Civic	2,120,632	2,209,890
Montreal and Southern Counties	2,149,551	2,135,870
Kitchener Public Utilities, Street Railway Dept.	2,023,536	2,149,473
Total	51,896,785	53,778,936
Other 13 systems	17,071,873	17,213,135
GRAND TOTAL	585,385,094	595,143,903

¹ - Including passengers carried on buses operated by electric railways.

ELECTRIC RAILWAY PASSENGER TRAFFIC
1934 COMPARED WITH 1933

Per Cent of Total	Increase in Passengers Carried 1934 Over 1933		Per cent of Total Increase 1934
	No.	p.c.	
33.205	1,479,073	0.754	15.156
25.940	3,516,854	2.331	36.038
10.737	1,489,870	2.387	15.267
6.347	x 220,126	x 0.579	x - 2.256
3.605	920,437	4.483	9.432
2.400	x 188,936	x 1.306	x - 1.936
2.086	513,184	4.312	5.259
2.028	748,250	6.609	7.667
1.723	x 528,210	x 4.899	x - 5.413
88.071	7,730,396	1.497	79.214
1.607	461,243	5.069	4.726
1.445	315,750	3.812	3.236
1.244	424,885	6.086	4.354
0.825	267,583	5.766	2.742
0.701	377,840	9.957	3.872
0.696	x 76,871	x 1.823	x - 0.788
0.527	x 369,675	x 10.534	x - 3.788
0.498	182,394	6,554	1.869
0.392	37,488	1.634	0.384
0.371	89,258	4.209	0.915
0.369	46,319	2,155	0.475
0.361	125,937	6.224	1.290
9.036	1,882,151	3.627	19.287
2.893	146,262	0.857	1.499
100.000	9,758,809	1.667	100.000

x - Decrease



STATISTICS CANADA LIBRARY
BIBLIOTHÈQUE STATISTIQUE CANADA



1010701164