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# CANADA

# DEPARTMENT OF TRADE AND COMMERCE

## DOMINION BUREAU OF STATISTICS

TRANSPORTATION BRANCH

### **OPERATING REVENUES EXPENSES & STATISTICS**

of

# RAILWAYS

## With Annual Operating Revenues of \$500,000

For

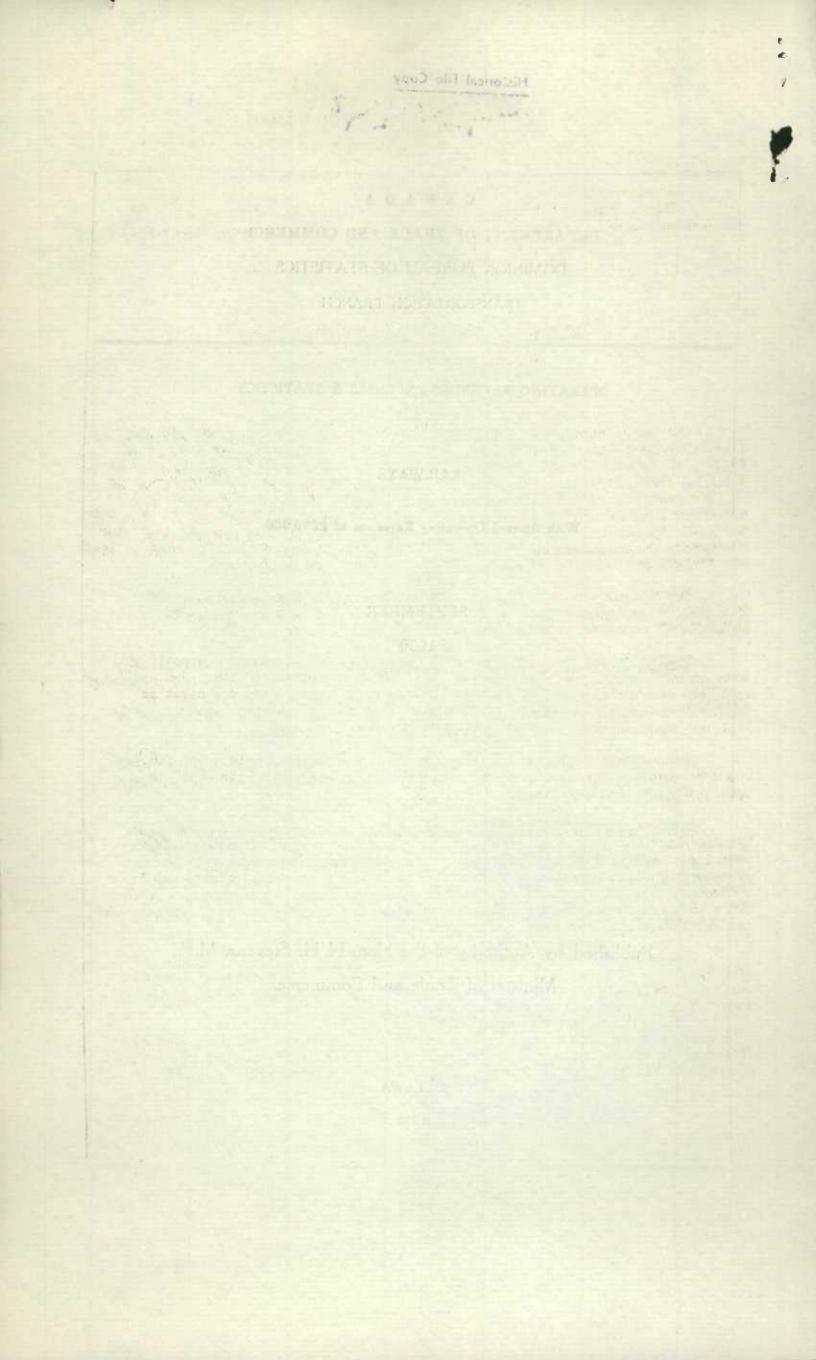
SEPTEMBER

1930

Published by Authority of the Hon. H. H. Stevens, M.P., Minister of Trade and Commerce

OTTAWA

1930



### DELETIONT OF TRADE AND COMMERCE DOMINTON BUREAU OF STATISTICS TRANSPORTATION AND PUBLIC UTILITIES BRANCH OTTAWA

for

Dominion Statistician, R.H. Joats, B.A., F.S.S., (Hon.), F.R.S.C. Chief, Transportation and Pablic Utilities Branch, G.S. Wrong, B.Sc.

#### OPTRATING REVENUES, EXPENSES & STATISTICS

### STEAM HAILWAYS OF CANADA

## WITH ANNUAL OPERATING REVENUES OF \$500,000

### FOR THE MONTH OF SEPTEMBER, 1930

The gross earnings of Canadian railways for September were \$44,339,903, or \$3,802,562 less than for September, 1929. Operating expenses were reduced by \$3,738,084 so that the net operating revenues were less than in 1929 by only \$64,478. Freight traffic, measured in ton miles, was heavier than last year by 7.5 per cent, due principally to heavy grain loading early in the month, but passenger traffic continued light, showing a decrease of 21.2 per cent. The total pay roll, amounting to \$22,458,637, was less by \$1,036,547, or 4.4 per cent, for a decrease in the number of employees of 7,039, or 3.9 per cent. The average load per freight car mile increased from 24.7 cors last year to 27.9 tons.

For the nine months, January - September, gross revenues amounted to \$339,381,693,as against \$395,105.215 in 1929,and the operating income was \$39,007,543, compared with \$55 938,491 last year.

EASTERN LINES - CANADIAN NATIONAL RAILWAYS: Gross revenues were lighter than in 1929 by \$437,647, or 16.7 per cent, emounting to \$2,176,041, but operating expenses were heavier by \$40,091 and the operating income showed a debit of \$570,472 as against a debit in 1929 of \$35,948. Freight traffic was lighter by 17.1 per cent and passenger traffic decreased by 8.4 per cent.

Net operating revenues for the nine months showed a debit of \$3,716,460 and the operating income a lebit of \$4,316,669, as egainst debits of \$2,923,838 and \$3,433,201, respectively, in 1929.

CANADIAN NATIONAL RAILWATS: Freight traffic increased by 4.7 per cent but freight revenues decreased by \$522,12°, or 3.6 per cent, and total revenues were less than in 1929 by \$1,878,368, or 3.6 per cent. Operating expenses decreased by \$1,256,582, or 8.0 per cent, and the net operating revenue was reduced by \$621,785, or to \$5,502,224. The average number of employees (Eastern Lines included) decreased by 5,706, or 5.6 per cent, and the pay roll was reduced by \$742,980, or 5.7 per cent.

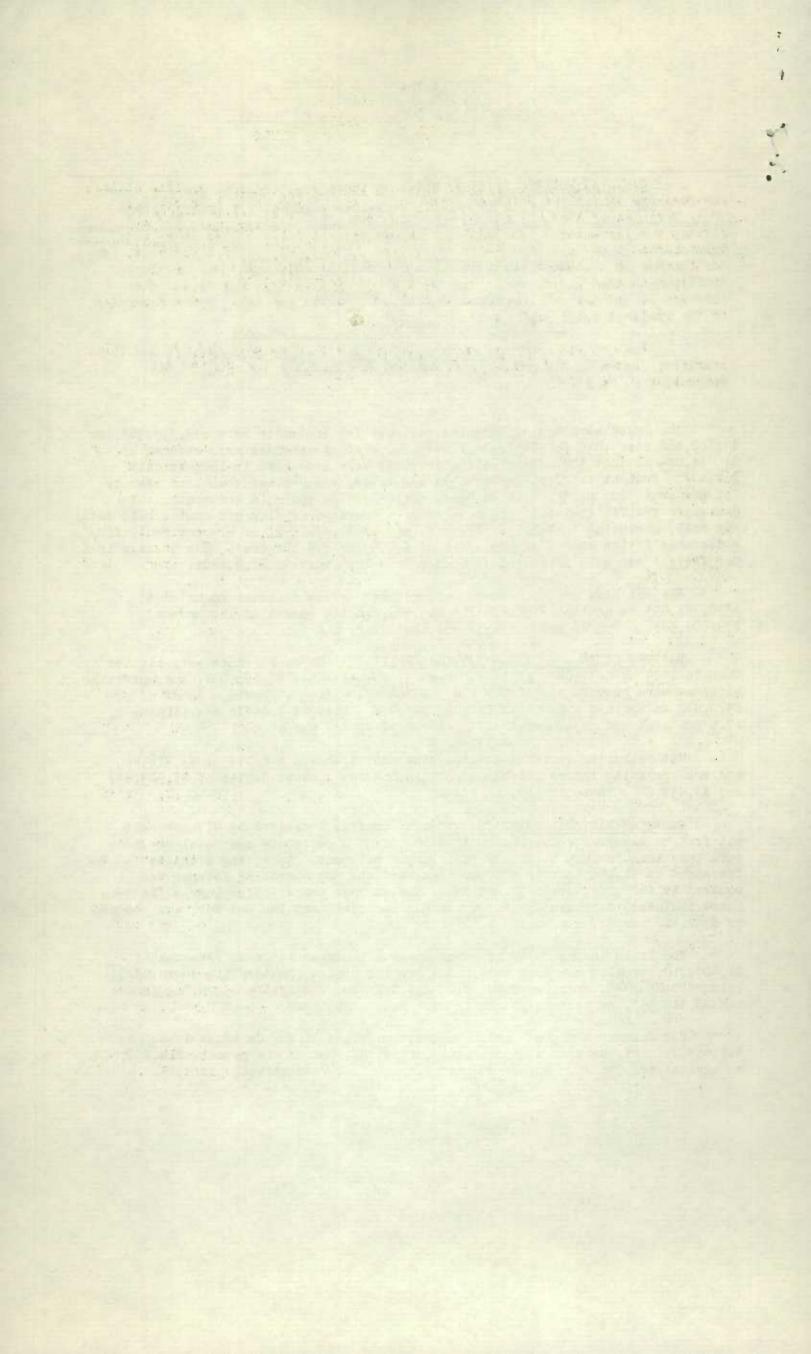
The lines in the United States showed a decrease in gross revenues of \$1,409,710, or 32.7 per cent, the total for the system (Eastern Lines excluded) being \$20,856,948, or a decrease of \$3,285,078, and the system operating income was \$3,319,557, as against \$4,619,833 for Sectember, 1929.

For January - Soptember the operating income of the Canadian lines was \$13,664,773, of the United States Lines, \$585,597, and of the system, \$14,250,370, as against \$21,756,350, \$6.524.465 and \$23 360,819, respectively, in 1929.

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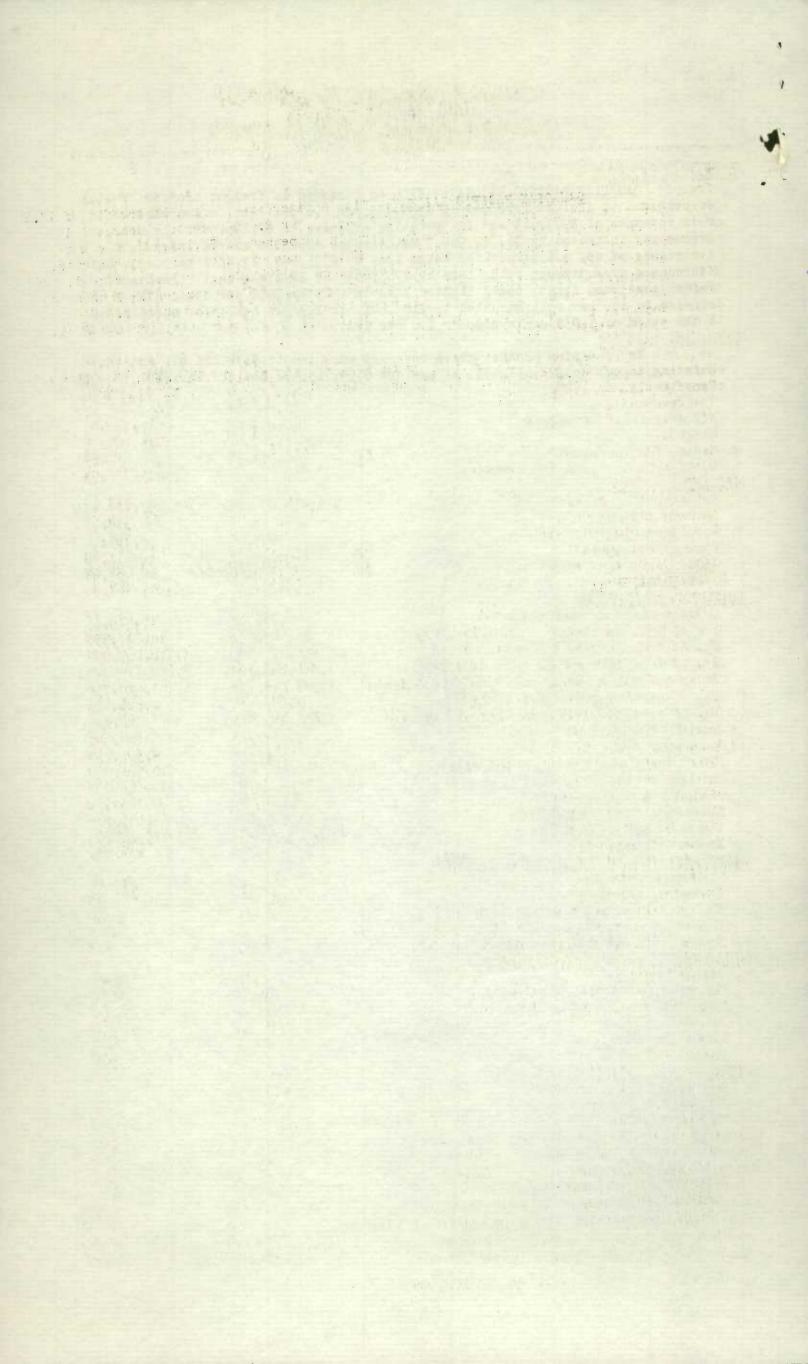
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CANADIAN PACIFIC RAILWAY: With an increase in freight traffic of 18.1 per cent and in freight revenues of \$364,755, or 2.6 per cent, a decrease in gross revenues of \$403,613 and in operating expenses of \$2,126,582, the net revenue was increased by \$1,722,968. Maintenance expenses showed large cuts, maintenance of way and structures being less by \$991,848, or 31.1 per cent, and maintenance of equipment being less by \$765,463, or 22.8 per cent. Passenger traffic continued light, being lighter than in 1929 by 23.2 per cent. The decrease in the pay roll amounted to \$107,601, or 1.3 per cent, for a reduction in the staff of 1,038 employees, or 1.6 per cent.

For the nine months, gross revenues amounted to \$134,028,671 and the operating income to \$22,611,433, as against \$159,713,472 and \$28,131,789, respectively, in 1929.

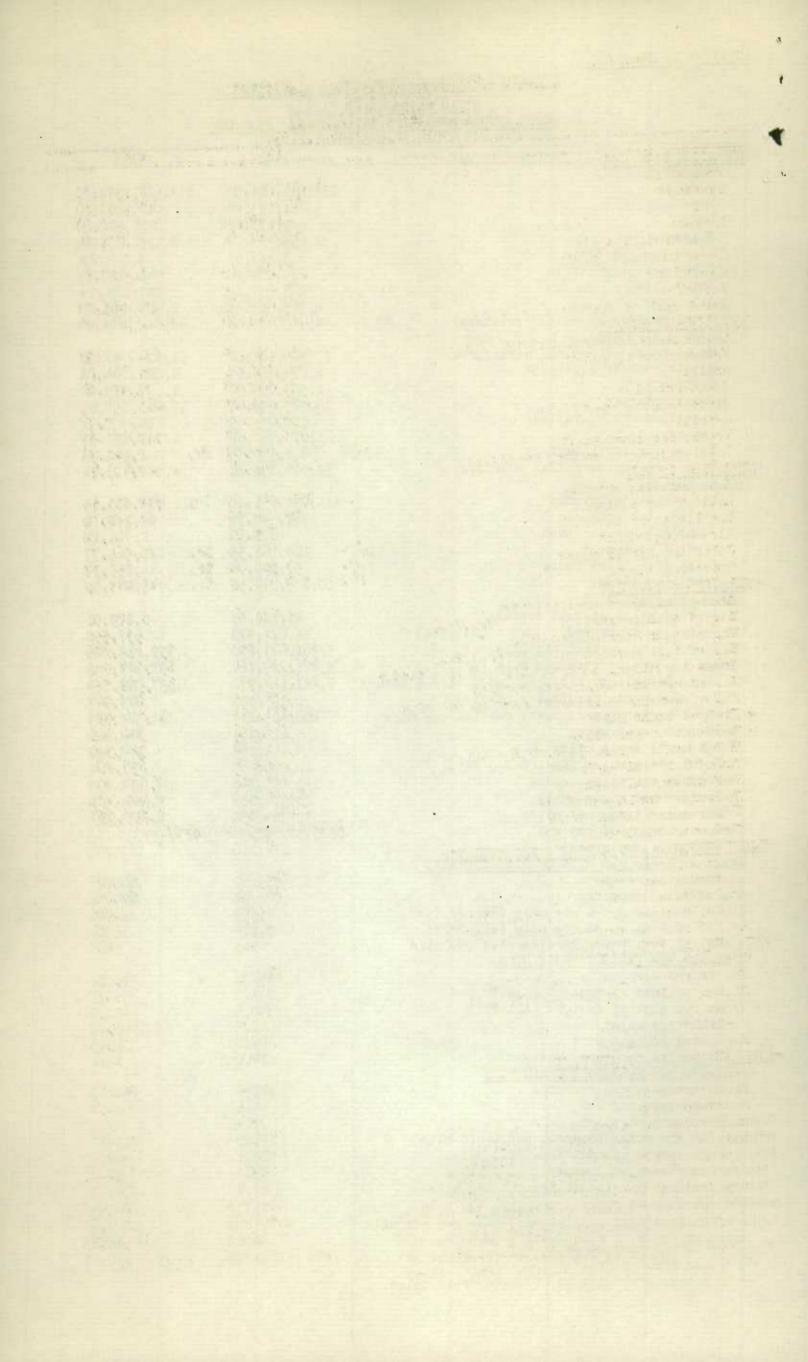
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STEAM RAILWAYS OF CANADA \$500,000 WITH ANNUAL OPERATING REVENUES OF For the Month of September, 1930 1929 OPERATING REVENUES \$33,244,004.93 \$34,562,241.65 Freight 5,451,753.86 622,070.01 .7,011,681.57 Passenger 652, 322.53 Mail 1,654,303.72 3,482.51 2,175,065.27 Express 3,044.22 946,389.00 Other freight train 783,114.89 265,657.15 2,315,516.41 44,339,903.48 Other passenger train Water line 287,827.96 2,503,893.78 48,142,465.98 All other Total railway operating revenues OPERATING EXPENSES \$7,325,481.62 6,674,764.17 1,588,750.52 15,923,848.01 17,067,743.56 518,033.69 1,075,767.52 201,393.33 619,443.45 1,085,427.40 201,393.33 619,443,45 1,085,427.40 201,393.33 619,443,45 1,085,427.40 201,393.33 619,443,45 1,085,427.40 201,393.33 619,443,45 1,085,427.40 201,393.33 619,443,45 1,085,427.40 201,393.33 619,443,45 1,085,427.40 201,393.33 619,443,45 1,085,427.40 201,393.33 619,443,45 1,085,427.40 201,393.33 619,443,45 1,085,427.40 201,393.65 32,905,252.20 36,643,336,53 Maintenance of way and structures Maintenance of equipment \$7,325,481.62 6,674,764.17 Traffic 15,923,848.01 Transportation Miscellaneous operations General Trans. for investment Cr. Total railway operating expenses 32,905,252.20 OPERATING INCOME \$11,434,651.28 \$11,499,129.45 Net sperating revenue 754,148.71 1,763.11 211,711.79 763,542.79 Railway tax accruals 808.60 Uncollectable revenues Dr. 106,166.35 Dr. Hire of equipment 57,899.02 Dr. 88,057.94 10,506,234.52 10,443,447.90 Joint facilities rents Dr. Operating income OPERATING STATISTICS 40,873.86 12,697.598 3,312,069,004 Average miles of road operated 41,522.51 11,023,972 3,561,623,670 No. of tons carried (Rev.Fr.) No. of tons carried one mile " " No. of tons carried one mile (All Fr.) Gross ton miles and 3,688,374,043 8,597,420,858 2,820,495 3,881,225,124 8,523,114,772 2,395,420 200,405,813 Gross ton miles, excl. of locomotive & tender No. of revenue passengers carried 254,380,185 No. of revenue passengers carried one mile 5,620,364 4,393,164 10,296,263 5,864,586 4,398,632 # Freight train miles # Passenger train miles 10,561,070 Total train miles (Rev. & Non Rev.) 139,155,340 78,514,086 32,725,460 \$22,438,687.56 174,116 149,561,938 Freight car miles-loaded 70,865,974 Freight car miles-empty 34,073,116 \$23,475,234.63 Passenger train car miles Total amount of pay roll 181,205 Number of employees DAILY AVERAGES PER MILE OF ROAD OPERATED \$35.60 \$39.26 Operating revenues \$29.88 Operating expenses 2,859 No. of tons moved one mile (Rev. Fr.) 2,701 3,116 3,008 No. of tons moved one mile (All Fr.) No. of rev. passengers carried one mile #AVERAGES PER FREIGHT TRAIN MILE 161 207 \$5.92 \$5.89 Freight revenue 633.7 No. of tons of freight (Rev.Fr.) 564.8 690.6 628.9 No. of tons of freight (All Fr.) 1466.0 1516.5 Gross ton miles 24.8 25.5 Loaded freight cars 12.1 14.0 Empty freight cars #AVERAGES PER PASSENGER TRAIN MILE Passenger train revenues \$1.94 \$2.45 45.6 57.8 Passengers carried 7.4 7.7 Passenger cars \$3.47 \$3.20 Average operating expenses per train mile 323.1 Average length of haul (Rev.Fr.) Miles Average passenger journey Miles 260.8 90.2 83.7 27.9 .933¢ Average tons per loaded freight car mile Average freight receipt per rev. ton mile 1.044¢ 1.044¢ 2.756¢ Average passenger receipt per passenger per mile 2.720¢ Ratio of pay roll to operating revenues 50.6% 48.8% 76.11% 74.21% Ratio of operating expenses to revenues

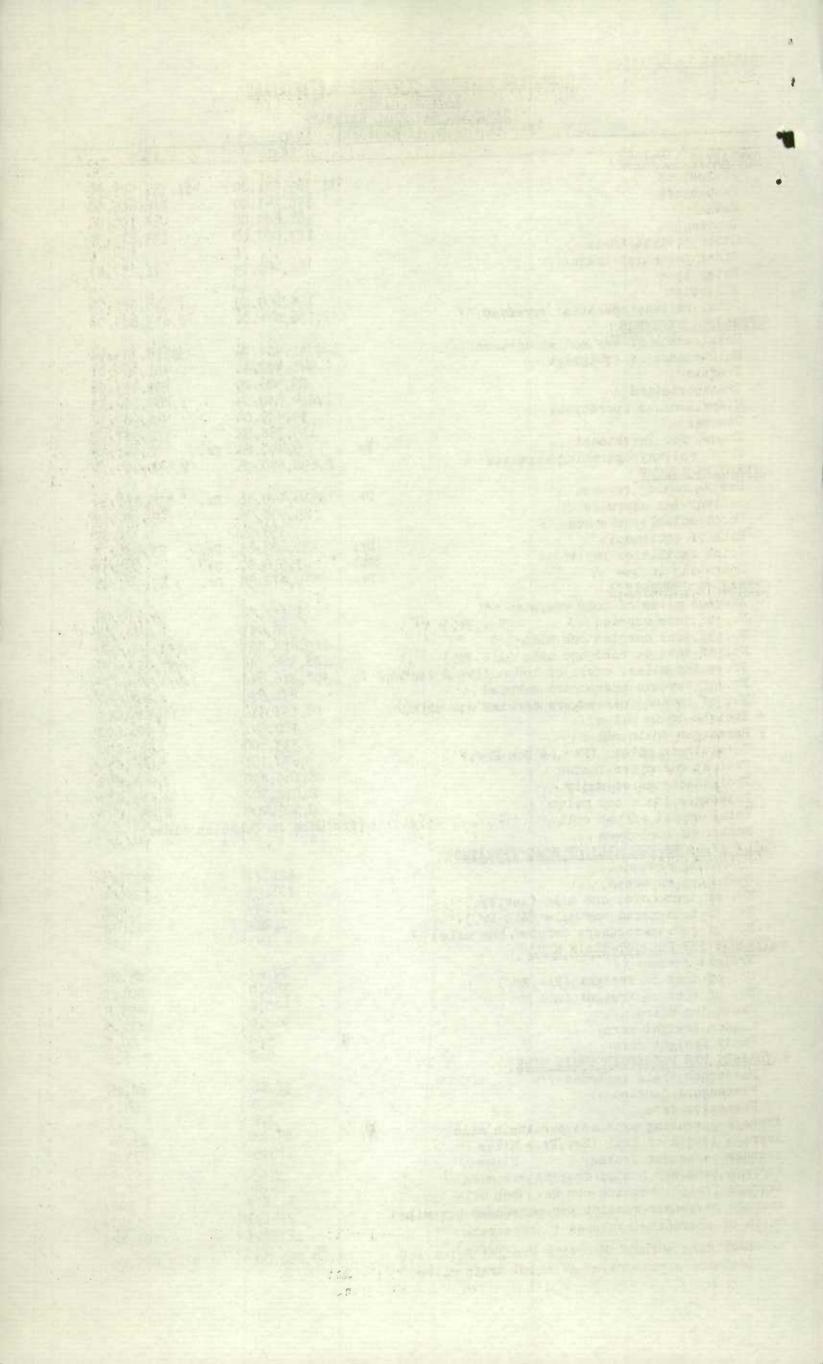
OPERATING REVENUES, EXPENSES & STATISTICS

# Contains a proportion of mixed train miles.



-4-<u>OPERATING REVENUES, EXPENSES & STATISTICS</u> <u>EASTERN LINES</u> <u>CANADIAN NATIONAL RAILWAYS</u> For the Month of September, 1930 1930

For the Month of Sep	temb		
		1930	1929
OPERATING REVENUES			
Freight xx		\$1,369,581.00	\$1,737,579.00
Passenger		395,141.00	426,688.00
Mail		61,689.00	68,100.00
Express		173,000.00	173,271.34
Other freight train			
Other passenger train		58,469.15	71,187.87
Water line		J0, +0J, 1)	11,101.01
All other		110 160 0E	776 867 70
		118,160.85	
Total railway operating revenues		2,176,041.00	2,613,688.00
OPERATING EXPENSES			
Maintenance of way and structures		\$791,984.74	\$618,393.98
Maintenance of equipment		441,992.41	521,944.01
Traffic		70,526.10	99,455.94
Transportation		1,224,230.03	1,264,192,13
Miscellaneous operations		34,579.04	38,967.37
General		135,768.82	112,087.57
Trans. for investment	or.	6,490.28	
	14.		
Total railway operating expenses		2,692,590.86	2,652,499.14
OPERATING INCOME			
Net operating revenue	Dri		Dr. \$38,811.14
Railway tax accruals		25,474.96	23,380.98
Uncollectable revenues		356.91	21.22
Hire of equipment	Dr.		-
Joint facilities rents	Cr.		
Operating income	Dr.		
	1/4 ·	) 10, +12. )0	DI. 09,940.40
OPERATING STATISTICS		יד הבי ב	7 770 06
Average miles of road operated		3,332.54	3,130.96
No. of tons carried (Rev.Fr.)		578,453	597,552
No. of tons carried one mile " "		115,403,857	139,232,226
No. of tons carried one mile (All Fr.)		128,396,788	157,087,630
Gross ton miles, excl. of locomotive & tender		307,716,648	357,502,779
No. of revenue passengers carried		231,686	263,567
No. of revenue passengers carried one mile		16,333,312	17,829,013
# Freight train miles		320,541	346,600
# Passenger train miles		333,600	327,150
Total train miles, (Rev. & Non Rev.)		676,101	
Freight car miles-loaded		6,165,830	7,094,899
Freight car miles-empty		2,018,707	
Passenger train car miles		2,327,409	
Total amount of pay roll	()	Included in Can	adian Lines)
Number of employees		11 11	n II
DAILY AVERAGES PER MILE OF ROAD OPERATED			
Operating revenue		\$21.77	\$27.83
Operating expenses		\$26.93	
No. of tons moved one mile (Rev.Fr.)		1,154	
No. of tons moved one mile (All Fr.)		1,284	
No. of rev. passengers carried one mile		163	190
AVERAGES PER FREIGHT TRAIN MILL		10)	1.50
		11 07	45 03
Freight revenue		\$4.27	\$5.01
No. of tons of freight (Rev.Fr.)		360.0	401.7
No. of tons of freight (All Fr.)		400.6	453.2
Gross ton miles		960.0	1031.5
Loaded freight cars		19.2	20.5
Empty freight cars		6.3	6.2
AVERAGES PER PASSENGER TRAIN MILE			
Passenger train revenues		\$2.06	\$2.26
Passengers carried		49.0	
		-	54.5
Passenger cars		7.0	7.3
Average operating expenses per train mile		\$3.98	\$3.81
Average length of haul (Rev.Fr.) Miles		199.5	233.0
Average passenger journey Miles		70.5	67.6
Average tons per loaded freight car mile		20.8	22.1
Average freight receipt per rev. ton mile		1.187¢	
Average passenger receipt per passenger per mile		2.419¢	
Ratio of operating expenses to revenues		123.74%	101.48%
xx -Including account Maritime Freight Rates Act		\$160,000.00	\$209,041.00
-Contains a proportion of mixed train miles.			
sources of the stor of alver of diffi miles.			

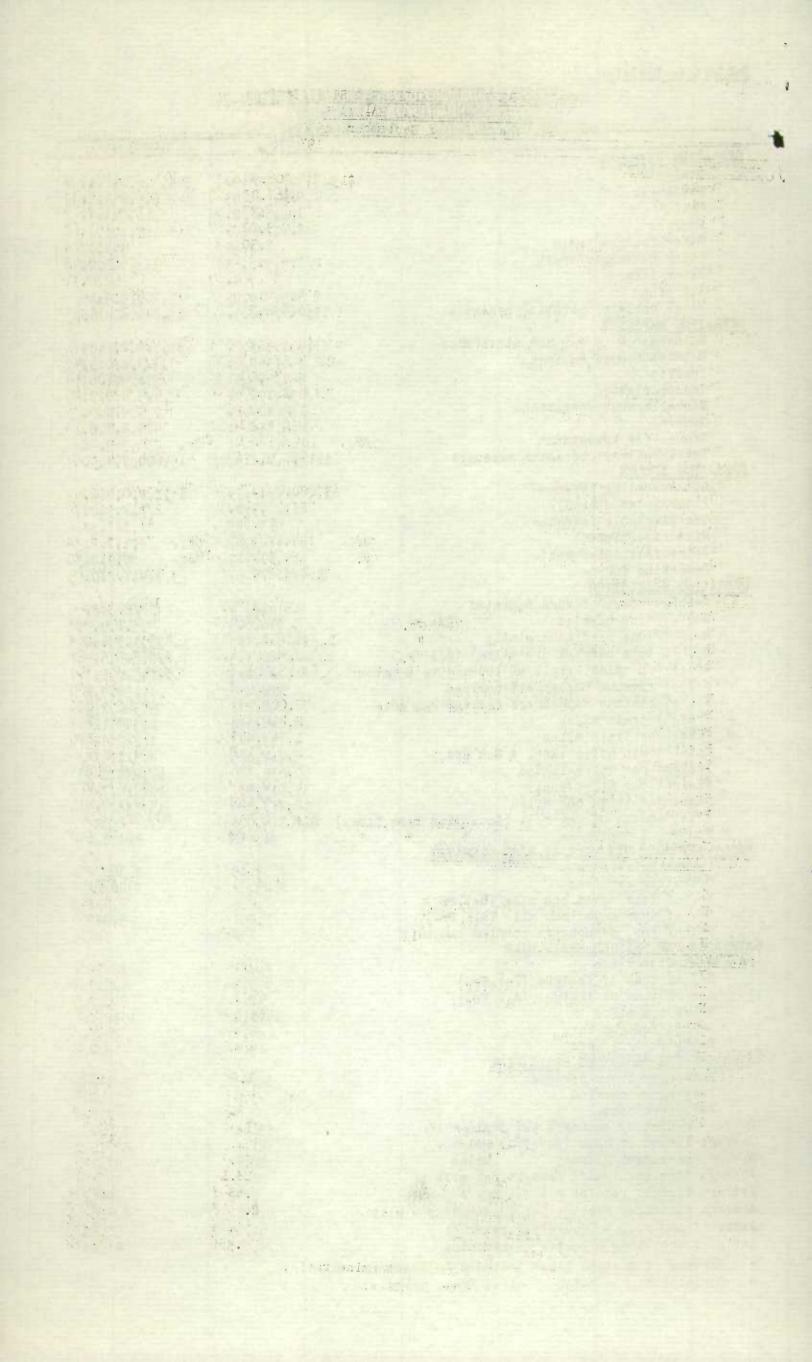


OPERATING REVENUES, EXPENSES & STATISTICS CANADIAN NATIONAL RAILWAYS

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For the Month of Septem	the second	
OPERATING REVENUES	1930	1929
Freight	\$17 787 006 00	to 100 100 100
Passenger	\$13,783,906.90 1,964,567.03	\$14,306,031.87 2,599,655.72
Mail	199,666.27	216,917.99
Lxpress	822,288.02	1,183,126.85
Other freight train	182.50	352.78
Other passenger train	289,906.65	333,790.22
Water line		
All other	905,918.99	1,204,929.05
Total railway operating revenues	17,966,436.36	19,844,804.48
OPERATING EXPENSES	-119-01-9-09-	
Maintenance of way and structures	\$3,451,563.20	\$3,564,261.05
Maintenance of equipment	2,876,980.96	3,423,230.53
Traffic	521,596.81	531,447.23
Transportation	7,034,102.34	7,645,886.91
Miscellaneous operations	179,829.16	213,920.00
General	469,338.51	478,818.56
Trans, for investment Cr.		Cr. 236,769.98
Total railway operating expenses	14,364,211.57	15,620,794.30
OPERATING INCOME	and the second second	
Net operating revenue	\$3,602,224.79	\$4,224,010.18
Railway tax accruals	285, 793.14	270,743.02
Uncollectable revenues	434.89	1,713.58
Hire of equipment Or.		Cr. 4,132.71
Joint facilities rents Cr.		Dr. 939.28
Operating income	3,475,825.57	3,954,747.01
OPERATING STATISTICS		
Average miles of road operated	18,602.76	18,263.35
No. of tons carried (Rev. Fr.)	3,976,603	4,541,595
No. of tons carried one mile " "	1,558,562,183	1,489,127,652
No. of tons carried one mile (All Fr.)	1,702,520,365	1,689,606,695
Gross ton miles, excl. of locomotive & tender		3,660,320,251
No. of revenue passengers carried	956,257	1,139,772
No. of revenue passengers carried one mile	77,008,281	99,380,153
# Freight train miles	2,292,378	2,389,166
# Passenger train miles	1,753,923	1,762,824
Total train miles (Rev. & Non Rev.)	4,211,899	4,320,485
Freight car miles-loaded	60,639,920	64,248,848
Freight car miles-empty	34,013,837	29,710,746
Passenger train car miles	12,873,326 s) \$12,316,015	13,333,769
Total amount of pay roll (Including East.Line Number of employees " " "	96,498	13,058,995 102,204
DAILY AVE AGES PER MILE OF ROAD OPERATED	90,490	100,004
Cperating revenue	\$ 32.19	\$ 36.22
Operating expenses	\$ 25.74	\$ 28.51
No. of tons moved one mile (Rev.Fr.)	2,793	2,718
No. of tons moved one mile (All Fr.)	3,051	3,084
No. of rev. passengers carried one mile	138	181
AVERAGES PER FREIGHT TRAIN MILE		
Freight revenue	\$6.01	\$5.99
No. of tons of freight (Rev.Fr.)	679.9	623.3
No. of tons of freight (All Fr.)	742.7	707.2
Gross ton miles	1608.0	1532.0
Loaded freight cars	26.5	26.9
Empty freight cars	14.8	12.4
AVERAGES PER PASSENGER TRAIN MILE		
Passenger train revenues	\$1.87	\$2.46
Passengers carried	43.9	56.4
Passenger cars	7.3	7.6
verage operating expenses per train mile	\$3.41	\$3.62
Average length of haul (Rev.Fr.) Miles	391.9	327.9
Average passenger journey Miles	80.5	87.2
Average tons per loaded freight car mile	28.1	26.3
Average freight receipt per revenue ton mile	.884¢	
Average passenger receipt per passenger per mile	2.551¢	2.616¢
Ratio of pay roll to operating revenues	61.1%	58.1%
Ratio of operating expenses to revenues	79.95%	78.71%
x - Revenue of Eastern Lines included to determine	ratio.	
# Cantaina a an martian of mixed train miles		

# - Contains a proportion of mixed train miles.

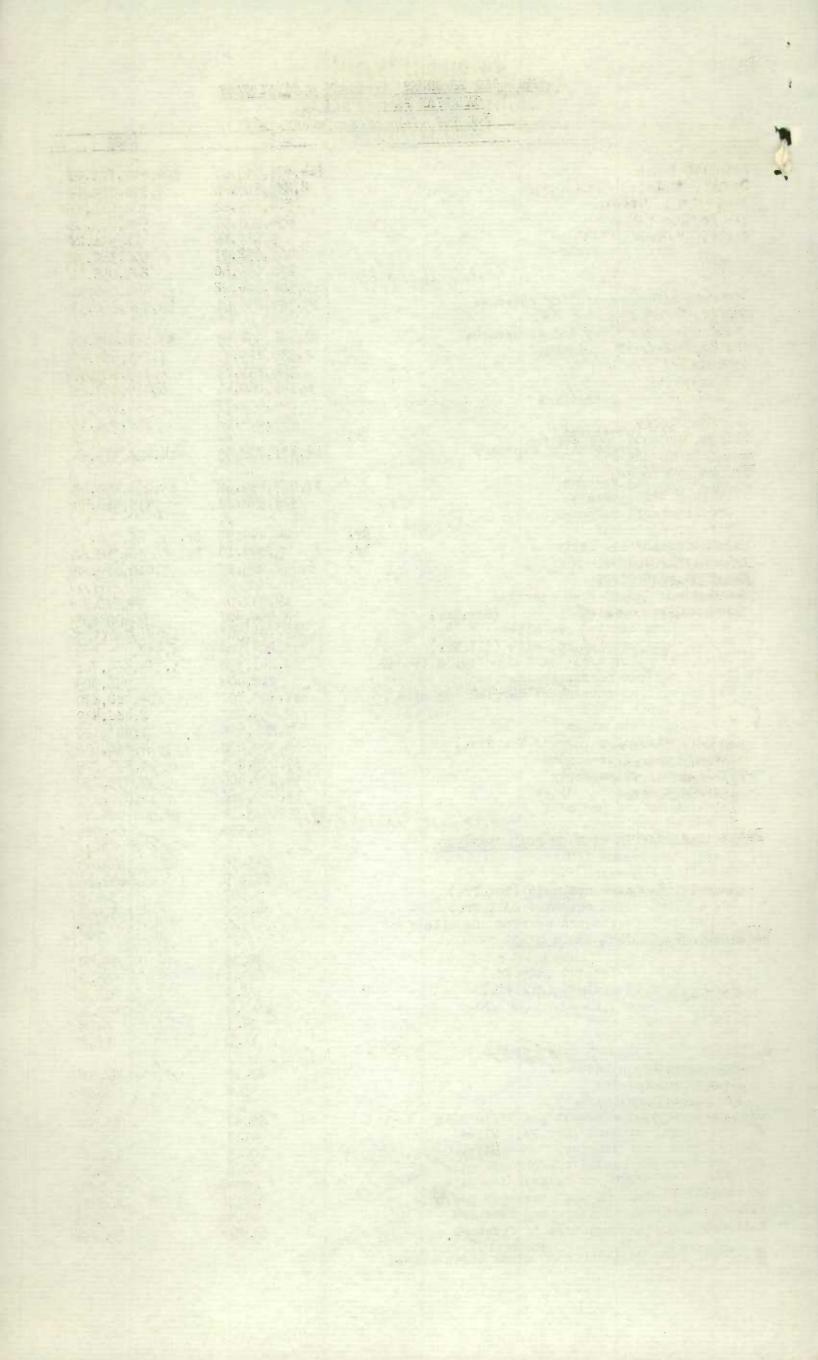


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CANADIAN PACIF			
For the month o	r pep	1930	1929
OPERATING TEVINUES		1))0	
Treight		\$14,595,456.87	\$14,230,701.5
Ressonger		2,289,610.60	3,008,019.8
Mail 1		304,635.82	302,127.4
Exureos		454,200.57	550,603.6
Other fraight train		3,118.26	1,931.28
Other passenger train		406,552.97	500,360.9
Water line		230,966.60	249,058.7
All other		1,104,694.92	950,046.9
Total railway operating revenues		19,389,236.61	19,792,850.3
OPENATING EXPENSES		a), jo), -jo, or	= ); [ )=; 0 ) 0 • ).
Maintenance of way and structures		\$2,196,954.93	\$3,188,803.8
Maintenance of equipment		2,586,225.97	3,351,689.4
Traffic		904,231.25	879,129.9
		6,141,060.41	
Transportation		0,141,000.41	6,470,997.2
Miscallaneous operations		244,039.77	294,886.7
denez 31		299,264.62	312,852.3
Trans. fcr investment	Or.		
Total railway operating expenses		12,371,776.95	14,498,359.6
OPERATING INCOME			
Net operating revenue		\$7,017,459.66	
Railway tax a cruals		326,546.88	318,916.78
Uncollectable revenues		**	
Hire of equipment	Cr.	44.449.57	Cr. 65,762.3
Joint facilities rents	Dr.	3,097.10	Dr. 30,716.30
Operating income		6,732,265.25	
OPERATING STATISTICS			
Average milles of road operated		14,837.0	14,782.4
No. of tons carried (Rev.Fr.)		3,694,407	4,239,25
No. of tons carried one mile ""		1,632,103,367	1,381,591,008
No. of tons carried one mile (All Fr.)		1,783,803,102	1,532,775,96
Gross ton miles, excl. of locomotive & tender		3,797,241,350	3,715,569,74
No. of revenue passengers carried		810,204	956,92
		81,400,707	105,980,870
No. ci revenue passengers carried one mile		2,453,987	2,488,439
# Freight train miles			1,808,180
# Passenger train miles		1,801,695	
Total train miles (Rev. & Non Rev.)		4,309,272	4,380,636
Freight car miles-loaded		59,079,263	61,833,72
Freight car miles-empty		34,272,600	30,475,72
Passenger train car miles		13,499,268	14,010,23
Total empunt of pay roll		\$8,399,483.12	\$8,507,084.7
Number of exployees		63,550	64,588
DAILY AVERAGES PER MILE OF ROAD OPERATED			
Operating revenue		\$43.56	\$44.6
Operating expenses		\$27.79	\$32.6
No. of tone moved one mile (Rev.Fr.)		3,667	3,11
No. of tons moved one mile (All Fr.)		4,008	3,45
No. of rev. passengers carried one mile		183	239
AVERAGES PER FREIGHT IRAIN MILE			
Tre gnt revenue		\$5.95	\$5.7
No. of tone of freight (Rev. Fr.)		665.1	555.2
No. of tons of freight (All Fr.)		726.9	616.0
Gross ton miles		1547.4	1493.1
		24.1	24.1
Loaded freight cars		14.0	
Emply freight cars		14.0	12.2
AVERAGES P. & PASSENGER TRAIN MILE		A1 00	40 Ju
Passenger train revenues		\$1.92	\$2,4
Passengera carried		45.2	58.6
Passenger cars		7.5	
Average operating expenses per train mile		\$2.87	\$3.3
Average length of haul (Rev.Fr.) Miles		441.8	325.9
Average pessenger journey Miles		100.5	110.8
Average tone per loaded freight car mile		30.2	24.8
		.894¢	
SA' TTERVER TECETOR DOL TEASURE FOR WITE			
		6.0100	
Av. passenger receipt per passenger per mile		2.813¢ 43.3%	
Av. freight receipt par revenue ton mile Av. passenger receipt per passenger per mile Ratio of pay roll to operating revenues Ratio of overaving expenses to revenues		43.3% 63.81%	43.0

OPERATING REVENUES, EXPENSES & STATISTICS

# # - Contains a presention of mixed train miles.



# -7-<u>CANADIAN NATIONAL SYSTEM</u> (<u>Steam Lines in Canada & United States</u>) <u>For the Month of September, 1970</u>

## OPERATING REVENUES

OT INTERTING	TUBA DIAO DIO			
		1930	1929	
Canadian Lines		\$17,966,436.36	\$19.844,804.48	
Duluth, Winnipeg and Pacific		135,207.00	191,206.00	
Grand Trunk Western		1,970,906.00	3,173,943.00	
New England Lines		162.338.64	173,908.52	
Central Vermont Ry. Inc.		622,010.00	761,164.00	
	otal	20,856,948.00	24,145,026.00	
			<u></u>	
OPERATING	EXPENSES			
Canadian Lines		\$11+,364,211.57	\$15,620,794.30	
Duluth, Winnipeg and Pacific		134,154.82	177,339.79	
Grand Trunk Western		1,790,169.20	2,191,195.56	
New England Lines		194,156.38	201,194.17	
Central Vermont Ry. Inc.		473,502.70	574,054.35	
	tal	16,956,194.67	18,764,578,17	
NET OPERATIN	G REVENUI	3		
Canadian Lines		\$3,602,224.79	\$4,224,010.18	
Duluth, Winnipeg and Pacific		1,052.18	13,866.21	
Grand Trunk Western		180,736.80	982,747.44	
New England Lines	Dr.	31,767.74	Dr. 27,285.65	
Central Vermont Ry. Inc.		148,507.30	187,109.65	
*	otal	7,900,753.33	5.380.447.83	
OPERATING				
	INCOME	A- ) dor		
Canadian Lines		\$3,475,825.57	\$3,954,747.01	
Duluth, Winnipeg and Pacific		5,319.30	11,648.45	
Grand Trunk Western	Dr.	215,627.97	564,605.98	
New England Lines	Dr.	92,855.98	Dr. 93.631.48	
Central Vermont Ry. Inc.		146,892.39	182,463.83	
T	otal	3,319.553.31	4,619,833.79	
SUMM	the second se	7041		
For Nine Months ende		per 30th.		
ALL RAI	LWAYS	2020		
		1930	1929	
Operating Revenues	9	339,381,693.26	\$398,105,215.87	
Operating Expenses		291,410,711.06	329,249,651.86	
Net operating Revenue		47,970,982.20	68,855,564.01	
Operating Income		39,007,543.05	58,938,491.56	
CANADIAN NATIONAL RAILWAYS				
		139,492,494.69	\$160 87)1 707 FO	
Operating Revenues - Canadian Lines # United States Lines	4		\$162,834,303.58	
	otal	28,894.570.31 168,387.065.00	39,995,819.42	
	ovar	100, 001.000.00	202,090,129.00	

		and an an other statement of the second statement of t	
Overating Expenses - Canadian Lines		123,949,009.60	138,344,124.81
# United States Lines	1.	24,677,891.05	28,802,748.79
	Total	148,626,900.65	167,146,873.60
Net Operating Revenue - Canadian Lines		15,543,485.09	24,490,178.77
# United States Line		4,216,679.26	11,193,070.63
	Total	19.760,164.35	35,683,249.40
Operating Income - Canadian Lines		13,664,773.06	21,756,350.48
# United States Lines		585,597.24	6,524,468.88
	Total	14,250,370,30	28,280,819.36
CANADIAN NATIONAL	RAILWAYS	- EASTERN LINES	
Operating Revenues		\$21,885,529.00	\$22,845,714.00
Operating Expenses		25,601,989.49	25,769,552.22
Net Operating Revenue	Dr.	3,716.460.49	Dr. 2,923,838.22
Operating Income	Dr.	4,316,669.12	Dr. 3,433,201.46
CANADIAN PACIFIC RAILWAY			

Operating Revenues	\$134,028,671.42	\$159,713,472.24
Operating Expenses	109,045,390.70	129,166,332.02
Net Operating Revenue	24,983,280,72	30,547,140.22
Operating Income	22,611,433.60	28,131,789.23

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# - Including Central Vermont Railway.

