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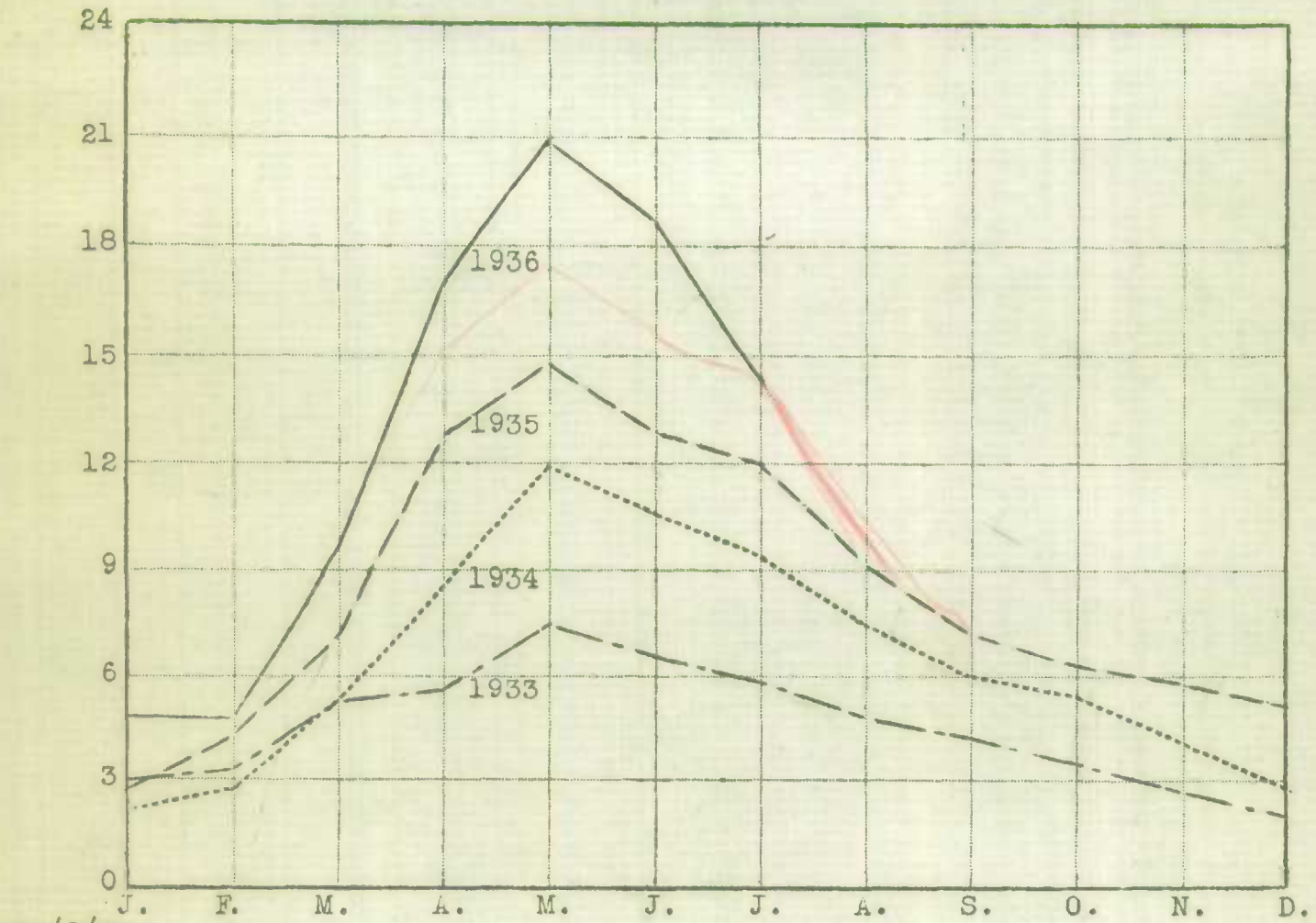
FINANCING OF MOTOR VEHICLE SALES IN CANADA, JULY, 1936

The financing of motor vehicles in Canada in July, while receding seasonally from the peak months of spring and early summer, continued to show marked improvement over the corresponding month a year ago. There were 14,474 vehicles financed to the extent of \$5,755,143, a gain of 21 per cent in number and 24 per cent in dollar value over July last year. These percentage changes, while decidedly indicative of the continued improvement in the automotive trade, are somewhat less pronounced than those for June when increases of 46 per cent in number and 48 per cent in value, as compared with a year ago, were recorded. Cumulative figures for the first seven months of 1936 show 90,140 vehicles financed for \$36,661,665, increases of 36 per cent in number and 35 per cent in amount over the 66,434 units which were financed for \$27,246,614 in the corresponding period of 1935.

Included in the totals for July were 4,316 new vehicles which were financed for \$3,098,442, or an average of \$718 per unit. There were also 10,158 used vehicles financed to the extent of \$2,656,701 or an average of \$261 each.

In addition to presenting Dominion totals, the attached tables also show the provincial distribution which was commenced some months ago. Of the 14,474 vehicles financed in July, 6,964 were in Ontario, 2,354 were in Quebec, 1,305 in Alberta and 1,243 in British Columbia. There were 1,539 units financed in Manitoba and Saskatchewan and 1,069 in the Maritime Provinces.

Number of Motor Vehicles Financed in Canada, 1933 - 1936
(000's omitted)



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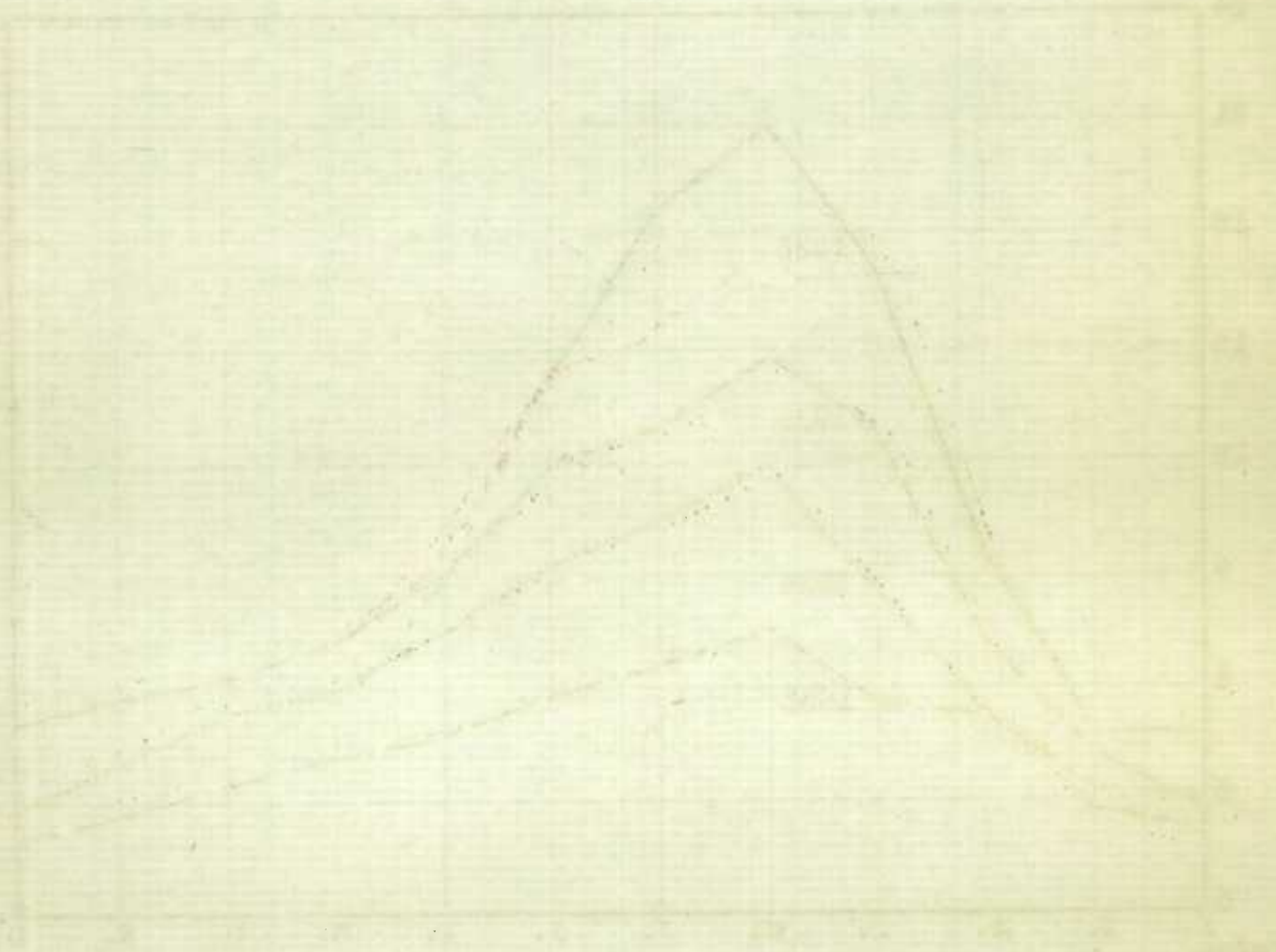
RESEARCH REPORT
ON THE
REACTIVITY OF
CATIONS

THE REACTIVITY OF CATIONS IN AQUEOUS SOLUTIONS

The reactivity of cations in aqueous solutions is a subject of considerable interest. It is well known that the rate of reaction of a cation with a reactant is not only a function of its concentration but also of its hydration state. The hydration of a cation is a process which involves the formation of a hydration shell around the ion, and this shell is composed of water molecules which are oriented in such a way as to neutralize the charge of the ion. The hydration of a cation is a reversible process, and the equilibrium constant for the hydration of a cation is a function of the charge and size of the ion. The reactivity of a cation is a function of its hydration state, and the rate of reaction of a cation with a reactant is a function of the hydration state of the cation.

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Figure 1. Reactivity of cations in aqueous solutions.



FINANCING OF MOTOR VEHICLE SALES IN CANADA, 1934 - 1936
(Figures for the current year are subject to final revision)

	Number of Vehicles				Amount of Financing			
	1934	1935	1936	% of Change, 1935-36	1934	1935	1936	% of Change, 1935-36

New Vehicles (x)

Jan. .	509	885	1,491	+ 68.5	\$ 363,847	\$ 651,272	\$1,035,878	+ 59.1
Feb. .	882	1,592	1,451	- 8.9	623,447	1,136,203	1,006,756	- 11.4
March.	1,775	2,540	3,149	+ 24.0	1,221,058	1,756,967	2,177,433	+ 23.9
April.	3,119	4,779	6,302	+ 31.9	2,109,794	3,250,246	4,250,685	+ 30.8
May ..	4,123	5,288	7,227	+ 36.7	2,852,630	3,668,725	4,932,173	+ 34.4
June .	3,469	3,862	5,551	+ 43.7	2,469,198	2,669,173	3,954,222	+ 48.1
July .	2,774	3,541	4,316	+ 21.9	1,910,377	2,531,943	3,098,442	+ 22.4
7 mos.	16,651	22,487	29,487	+ 31.1	11,550,351	15,664,529	20,455,589	+ 30.6
Aug. .	2,080	2,371			1,480,983	1,692,405		
Sept..	1,774	1,961			1,310,041	1,428,316		
Oct. .	1,280	1,480			930,492	1,096,937		
Nov. .	865	1,787			636,688	1,242,813		
Dec. .	614	1,864			456,180	1,285,656		
12 mos.	23,264	31,950			16,364,735	22,410,656		

Used Vehicles (x)

Jan. .	1,648	1,844	3,394	+ 84.1	\$ 450,126	\$ 513,076	\$ 987,510	+ 92.5
Feb. .	1,852	2,657	3,324	+ 25.1	504,955	848,001	924,853	+ 9.1
March.	3,396	4,645	6,639	+ 37.1	918,164	1,223,575	1,736,976	+ 42.0
April.	5,373	7,970	10,684	+ 34.1	1,387,137	2,123,201	2,876,257	+ 35.5
May ..	7,686	9,448	13,622	+ 44.2	1,953,204	2,478,268	3,634,272	+ 46.6
June .	7,023	8,959	13,102	+ 46.2	1,797,387	2,286,465	3,389,507	+ 48.2
July .	6,602	8,424	10,158	+ 20.6	1,714,419	2,109,499	2,656,701	+ 25.9
7 mos.	33,580	43,947	60,653	+ 38.0	8,725,392	11,582,085	16,206,076	+ 39.9
Aug. .	5,422	6,710			1,385,022	1,712,378		
Sept..	4,200	5,324			1,085,155	1,377,752		
Oct. .	4,186	4,843			1,075,877	1,266,777		
Nov. .	3,314	4,062			851,469	1,050,592		
Dec. .	2,204	3,342			603,813	942,024		
12 mos.	52,906	68,228			13,726,728	17,931,608		

Total - New and Used Vehicles (x)

Jan. .	2,157	2,729	4,885	+ 79.0	\$ 813,973	\$1,164,348	\$2,023,388	+ 73.8
Feb. .	2,734	4,249	4,775	+ 12.4	1,128,402	1,984,204	1,931,609	- 2.7
March.	5,171	7,185	9,518	+ 32.5	2,139,222	2,980,542	3,914,409	+ 31.3
April.	8,492	12,749	16,986	+ 33.2	3,496,931	5,373,447	7,126,942	+ 32.6
May ..	11,809	14,736	20,849	+ 41.5	4,805,834	6,146,993	8,566,445	+ 39.4
June .	10,492	12,821	18,653	+ 45.5	4,266,585	4,955,638	7,343,729	+ 48.2
July .	9,376	11,965	14,474	+ 21.0	3,624,796	4,641,442	5,755,143	+ 24.0
7 mos.	50,231	66,434	90,140	+ 35.7	20,275,743	27,246,614	36,661,665	+ 34.6
Aug. .	7,502	9,081			2,866,005	3,404,783		
Sept..	5,974	7,285			2,395,196	2,806,068		
Oct. .	5,466	6,323			2,006,369	2,363,714		
Nov. .	4,179	5,849			1,488,157	2,293,405		
Dec. .	2,818	5,206			1,059,993	2,227,680		
12 mos.	76,170	100,178			30,091,463	40,342,264		

(x) Includes passenger cars, trucks and buses.

STATEMENT OF FINANCIAL POSITION IN CASH

ASSETS		LIABILITIES	
AMOUNT	PERCENT	AMOUNT	PERCENT
Cash	100.00	Accounts Payable	100.00
Accounts Receivable	100.00	Notes Payable	100.00
Inventory	100.00	Long-Term Debt	100.00
Property, Plant, and Equipment	100.00	Equity	100.00
Other Assets	100.00		
Total Assets	500.00	Total Liabilities	500.00

FINANCING OF MOTOR VEHICLE SALES IN CANADA BY PROVINCES

	June, 1936		July, 1936		January - July, 1936	
	No. of Vehicles	Amount of Financing	No. of Vehicles	Amount of Financing	No. of Vehicles	Amount of Financing

New Vehicles (x)

		\$		\$		\$
CANADA	5,551	3,954,222	4,316	3,098,442	29,487	20,455,589
Maritimes	404	317,713	306	243,943	2,130	1,593,295
Quebec	941	741,854	717	541,436	5,909	4,419,418
Ontario	2,518	1,694,653	1,929	1,352,733	13,203	8,617,161
Man. & Sask.	741	511,013	551	387,358	3,406	2,312,735
Alberta	542	353,718	452	284,449	2,709	1,771,461
British Columbia.	405	335,271	361	288,523	2,130	1,741,519

Used Vehicles (x)

		\$		\$		\$
CANADA	13,102	3,389,507	10,158	2,656,701	60,653	16,206,076
Maritimes	941	255,326	763	199,101	4,048	1,126,645
Quebec	2,116	569,911	1,637	450,187	10,221	2,936,430
Ontario	6,487	1,599,316	5,035	1,268,433	30,801	7,793,333
Man. & Sask.	1,381	356,793	988	255,874	5,276	1,437,782
Alberta	1,154	324,568	853	232,310	4,625	1,362,889
British Columbia.	1,023	283,593	882	250,796	5,682	1,548,997

Total, New and Used Vehicles (x)

		\$		\$		\$
CANADA	18,653	7,343,729	14,474	5,755,143	90,140	36,661,665
Maritimes	1,345	573,039	1,069	443,044	6,178	2,719,940
Quebec	3,057	1,311,765	2,354	991,623	16,130	7,355,848
Ontario	9,005	3,293,969	6,964	2,621,166	44,004	16,410,494
Man. & Sask.	2,122	867,806	1,539	643,232	8,682	3,750,517
Alberta	1,696	678,286	1,305	516,759	6,334	3,134,350
British Columbia.	1,428	618,864	1,243	539,319	7,812	3,290,516

(x) Includes passenger cars, trucks and buses.



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TABLEAU 1.1 - ÉVALUATION DE LA DÉPENSE EN RECHERCHE ET DÉVELOPPEMENT (R&D) EN MILIARDS DE DOLLARS

Année	Industrie manufacturière	Industrie minière et pétrolière	Industrie de la construction	Industrie des services	Industrie de la santé	Industrie de l'éducation	Industrie de la culture	Total
1990	12,5	1,5	0,5	1,0	0,5	0,5	0,5	17,0
1991	13,0	1,5	0,5	1,0	0,5	0,5	0,5	18,0
1992	13,5	1,5	0,5	1,0	0,5	0,5	0,5	19,0
1993	14,0	1,5	0,5	1,0	0,5	0,5	0,5	20,0
1994	14,5	1,5	0,5	1,0	0,5	0,5	0,5	21,0
1995	15,0	1,5	0,5	1,0	0,5	0,5	0,5	22,0
1996	15,5	1,5	0,5	1,0	0,5	0,5	0,5	23,0
1997	16,0	1,5	0,5	1,0	0,5	0,5	0,5	24,0
1998	16,5	1,5	0,5	1,0	0,5	0,5	0,5	25,0
1999	17,0	1,5	0,5	1,0	0,5	0,5	0,5	26,0
2000	17,5	1,5	0,5	1,0	0,5	0,5	0,5	27,0
2001	18,0	1,5	0,5	1,0	0,5	0,5	0,5	28,0
2002	18,5	1,5	0,5	1,0	0,5	0,5	0,5	29,0
2003	19,0	1,5	0,5	1,0	0,5	0,5	0,5	30,0
2004	19,5	1,5	0,5	1,0	0,5	0,5	0,5	31,0
2005	20,0	1,5	0,5	1,0	0,5	0,5	0,5	32,0
2006	20,5	1,5	0,5	1,0	0,5	0,5	0,5	33,0
2007	21,0	1,5	0,5	1,0	0,5	0,5	0,5	34,0
2008	21,5	1,5	0,5	1,0	0,5	0,5	0,5	35,0
2009	22,0	1,5	0,5	1,0	0,5	0,5	0,5	36,0
2010	22,5	1,5	0,5	1,0	0,5	0,5	0,5	37,0
2011	23,0	1,5	0,5	1,0	0,5	0,5	0,5	38,0
2012	23,5	1,5	0,5	1,0	0,5	0,5	0,5	39,0
2013	24,0	1,5	0,5	1,0	0,5	0,5	0,5	40,0
2014	24,5	1,5	0,5	1,0	0,5	0,5	0,5	41,0
2015	25,0	1,5	0,5	1,0	0,5	0,5	0,5	42,0
2016	25,5	1,5	0,5	1,0	0,5	0,5	0,5	43,0
2017	26,0	1,5	0,5	1,0	0,5	0,5	0,5	44,0
2018	26,5	1,5	0,5	1,0	0,5	0,5	0,5	45,0
2019	27,0	1,5	0,5	1,0	0,5	0,5	0,5	46,0
2020	27,5	1,5	0,5	1,0	0,5	0,5	0,5	47,0
2021	28,0	1,5	0,5	1,0	0,5	0,5	0,5	48,0
2022	28,5	1,5	0,5	1,0	0,5	0,5	0,5	49,0

Année	Industrie manufacturière	Industrie minière et pétrolière	Industrie de la construction	Industrie des services	Industrie de la santé	Industrie de l'éducation	Industrie de la culture	Total
1990	12,5	1,5	0,5	1,0	0,5	0,5	0,5	17,0
1991	13,0	1,5	0,5	1,0	0,5	0,5	0,5	18,0
1992	13,5	1,5	0,5	1,0	0,5	0,5	0,5	19,0
1993	14,0	1,5	0,5	1,0	0,5	0,5	0,5	20,0
1994	14,5	1,5	0,5	1,0	0,5	0,5	0,5	21,0
1995	15,0	1,5	0,5	1,0	0,5	0,5	0,5	22,0
1996	15,5	1,5	0,5	1,0	0,5	0,5	0,5	23,0
1997	16,0	1,5	0,5	1,0	0,5	0,5	0,5	24,0
1998	16,5	1,5	0,5	1,0	0,5	0,5	0,5	25,0
1999	17,0	1,5	0,5	1,0	0,5	0,5	0,5	26,0
2000	17,5	1,5	0,5	1,0	0,5	0,5	0,5	27,0
2001	18,0	1,5	0,5	1,0	0,5	0,5	0,5	28,0
2002	18,5	1,5	0,5	1,0	0,5	0,5	0,5	29,0
2003	19,0	1,5	0,5	1,0	0,5	0,5	0,5	30,0
2004	19,5	1,5	0,5	1,0	0,5	0,5	0,5	31,0
2005	20,0	1,5	0,5	1,0	0,5	0,5	0,5	32,0
2006	20,5	1,5	0,5	1,0	0,5	0,5	0,5	33,0
2007	21,0	1,5	0,5	1,0	0,5	0,5	0,5	34,0
2008	21,5	1,5	0,5	1,0	0,5	0,5	0,5	35,0
2009	22,0	1,5	0,5	1,0	0,5	0,5	0,5	36,0
2010	22,5	1,5	0,5	1,0	0,5	0,5	0,5	37,0
2011	23,0	1,5	0,5	1,0	0,5	0,5	0,5	38,0
2012	23,5	1,5	0,5	1,0	0,5	0,5	0,5	39,0
2013	24,0	1,5	0,5	1,0	0,5	0,5	0,5	40,0
2014	24,5	1,5	0,5	1,0	0,5	0,5	0,5	41,0
2015	25,0	1,5	0,5	1,0	0,5	0,5	0,5	42,0
2016	25,5	1,5	0,5	1,0	0,5	0,5	0,5	43,0
2017	26,0	1,5	0,5	1,0	0,5	0,5	0,5	44,0
2018	26,5	1,5	0,5	1,0	0,5	0,5	0,5	45,0
2019	27,0	1,5	0,5	1,0	0,5	0,5	0,5	46,0
2020	27,5	1,5	0,5	1,0	0,5	0,5	0,5	47,0
2021	28,0	1,5	0,5	1,0	0,5	0,5	0,5	48,0
2022	28,5	1,5	0,5	1,0	0,5	0,5	0,5	49,0

Année	Industrie manufacturière	Industrie minière et pétrolière	Industrie de la construction	Industrie des services	Industrie de la santé	Industrie de l'éducation	Industrie de la culture	Total
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1991	13,0	1,5	0,5	1,0	0,5	0,5	0,5	18,0
1992	13,5	1,5	0,5	1,0	0,5	0,5	0,5	19,0
1993	14,0	1,5	0,5	1,0	0,5	0,5	0,5	20,0
1994	14,5	1,5	0,5	1,0	0,5	0,5	0,5	21,0
1995	15,0	1,5	0,5	1,0	0,5	0,5	0,5	22,0
1996	15,5	1,5	0,5	1,0	0,5	0,5	0,5	23,0
1997	16,0	1,5	0,5	1,0	0,5	0,5	0,5	24,0
1998	16,5	1,5	0,5	1,0	0,5	0,5	0,5	25,0
1999	17,0	1,5	0,5	1,0	0,5	0,5	0,5	26,0
2000	17,5	1,5	0,5	1,0	0,5	0,5	0,5	27,0
2001	18,0	1,5	0,5	1,0	0,5	0,5	0,5	28,0
2002	18,5	1,5	0,5	1,0	0,5	0,5	0,5	29,0
2003	19,0	1,5	0,5	1,0	0,5	0,5	0,5	30,0
2004	19,5	1,5	0,5	1,0	0,5	0,5	0,5	31,0
2005	20,0	1,5	0,5	1,0	0,5	0,5	0,5	32,0
2006	20,5	1,5	0,5	1,0	0,5	0,5	0,5	33,0
2007	21,0	1,5	0,5	1,0	0,5	0,5	0,5	34,0
2008	21,5	1,5	0,5	1,0	0,5	0,5	0,5	35,0
2009	22,0	1,5	0,5	1,0	0,5	0,5	0,5	36,0
2010	22,5	1,5	0,5	1,0	0,5	0,5	0,5	37,0
2011	23,0	1,5	0,5	1,0	0,5	0,5	0,5	38,0
2012	23,5	1,5	0,5	1,0	0,5	0,5	0,5	39,0
2013	24,0	1,5	0,5	1,0	0,5	0,5	0,5	40,0
2014	24,5	1,5	0,5	1,0	0,5	0,5	0,5	41,0
2015	25,0	1,5	0,5	1,0	0,5	0,5	0,5	42,0
2016	25,5	1,5	0,5	1,0	0,5	0,5	0,5	43,0
2017	26,0	1,5	0,5	1,0	0,5	0,5	0,5	44,0
2018	26,5	1,5	0,5	1,0	0,5	0,5	0,5	45,0
2019	27,0	1,5	0,5	1,0	0,5	0,5	0,5	46,0
2020	27,5	1,5	0,5	1,0	0,5	0,5	0,5	47,0
2021	28,0	1,5	0,5	1,0	0,5	0,5	0,5	48,0
2022	28,5	1,5	0,5	1,0	0,5	0,5	0,5	49,0

Source: Statistique Canada, Évaluation de la dépense en recherche et développement (R&D) en milliards de dollars, 1990-2022.