

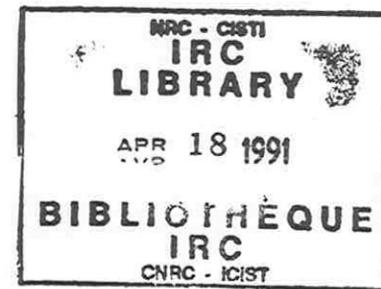
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# Annual Report

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## 1989



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## Fire Losses in Canada

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Canada

# **Annual Report**

## **1989**



**Fire Losses in Canada**

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February 27, 1991

To: The President and Members of the Association of Canadian Fire Marshals and Fire Commissioners

This 1989 Annual Report of Fire Losses in Canada is the sixty-eighth edition to be published. As in the past years, it is compiled from information supplied by the Association of Canadian Fire Marshals and Fire Commissioners (ACFM & FC) and Statistics Canada. The report is made available to the public by distribution through provincial and territorial fire marshals and fire commissioners. Copies are also forwarded to various public and government libraries and in response to specific requests.

For 1989, the numbers of fire deaths and injuries are continuing their downward trend, but dollar losses are higher than those of the previous year. The section following, entitled "The Record," elaborates further on the 1989 losses.

I would like to thank the members of the ACFM & FC and Statistics Canada for their cooperation in providing the necessary data for this report.

Yours truly,



T.J. Dunfield

Fire Commissioner of Canada

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## THE RECORD

In 1989, the fire death total of 500 was nearly the same as the 498 recorded in 1988. As was reported last year, the fire death total is in keeping with the general downward trend started in 1981.

The total number of fire injuries reported in 1989, 3 763 is an increase of 4% from that recorded in 1988.

The number of reported fires, 67 182, is a decrease of 5% from 1988.

The property loss figures of \$1 119 579 909 represents an increase of approximately 11% from the 1988 dollar figure.

The "Residential" property classification continues to account for the largest number of fires. In 1989, there were 30 156 fires in this category, 45% of the Canadian total. These incidents resulted in 425 deaths or approximately 85% of the nation's fire fatalities. The monetary loss amounted to \$454 million, which is 41% of the total loss.

The property classification showing the second largest number of fires is "Special Properties," where 24 496 were reported, accounting for approximately 36% of the overall Canadian total. Vehicle fires accounted for 19 536 incidents or 80% of all fires within this property classification, amounting to a dollar loss of \$94 million. The total dollar loss for the "Special Properties" classification is approximately \$114 million or 10% of the total.

In the category "Source of Ignition" the following three groups (exclusive of miscellaneous and undetermined) lead the list of number of reported fires and property dollar loss: "Smoker's Material and Open Flame" with 12 879 and a dollar loss of \$181 million, "Cooking Equipment" with 8 855 incidents and a loss of \$68 million, and "Electrical Distribution Equipment" with 7 239 incidents and a loss of \$136 million.

The number of "Electrical Distribution Equipment" incidents remained relatively unchanged in 1989, whereas the associated dollar loss increased from \$112 million to \$136 million, which is a substantial increase of 21% from the previous year.

Table 7 provides a review of the fire data identified under the heading of "Act or Omission." As in the past, the category of "Mechanical, Electrical Failure and Malfunction" had the greatest number of recorded fires, that being 17 468, a decrease of 1%. The 1989 dollar loss of \$216 million for this category is an increase of 11% from the previous year. "Arson or Other Set Fires" accounted for 8 843 incidents, an approximate 10% decrease from last year. However, the 1989 dollar loss of \$188 million from "Arson and Other Set Fires" was increase of 7% from the 1988 figure of \$176 million. Although for the past two years we have seen a slight decrease in the number of fires recorded as "Arson or Other Set Fires," it is quite disturbing to note an increase of approximately 19% in the dollar loss in the same reporting period.

In summary, from the latest information compiled, the total number of fire deaths remained relatively unchanged from that recorded in 1988, the total number of fires decreased 5% from the previous year, and the dollar loss increased 11%. Typically the category of "Residential Properties" remains an area of utmost concern, accounting for 85% of the total number of fire deaths, 45% of the total number of fires, and 41% of the total dollar loss. The large number of electrical incidents and the associated dollar loss, as well as the number of "Arson or Other Set Fires" and the associated dollar loss, are two other areas of major concern within the Fire Services. A continued fire protection effort by all authorities as well as the public is most imperative in order to reduce the loss of lives, number of fires and property damage.

## SECTION I

### SUMMARY 1980-1989

**TABLE 1 - CANADA FIRE LOSSES AND FIRE DEATHS**

Year	Population	Number of Fires	Loss \$	Per Capita \$	Fire Deaths	Fire Death Rate*
1980	24 088 500	85 530	978 986 708	40.64	833	3.46
1981	24 213 000	79 263	905 422 511	37.39	694	2.87
1982	24 658 500	76 199	998 888 902	40.51	675	2.74
1983	24 889 000	70 953	815 967 016	32.78	539	2.17
1984	25 145 000	70 730	929 479 253	36.96	598	2.38
1985	25 380 000	70 061	925 955 586	36.48	550	2.17
1986	25 354 018	67 884	973 458 302	38.39	553	2.18
1987	25 625 200	67 168	956 207 142	37.32	516	2.01
1988	25 949 700	70 624	1 004 932 771	38.73	498	1.92
1989	26 223 920	67 182	1 119 579 909	42.69	500	1.91
TEN-YEAR AVERAGE		72 559	960 887 810	38.19	596	2.38

\* Fire death rate - number of fire deaths per 100 000 population per annum

Figure 1  
PROPERTY LOSS

Millions of Dollars

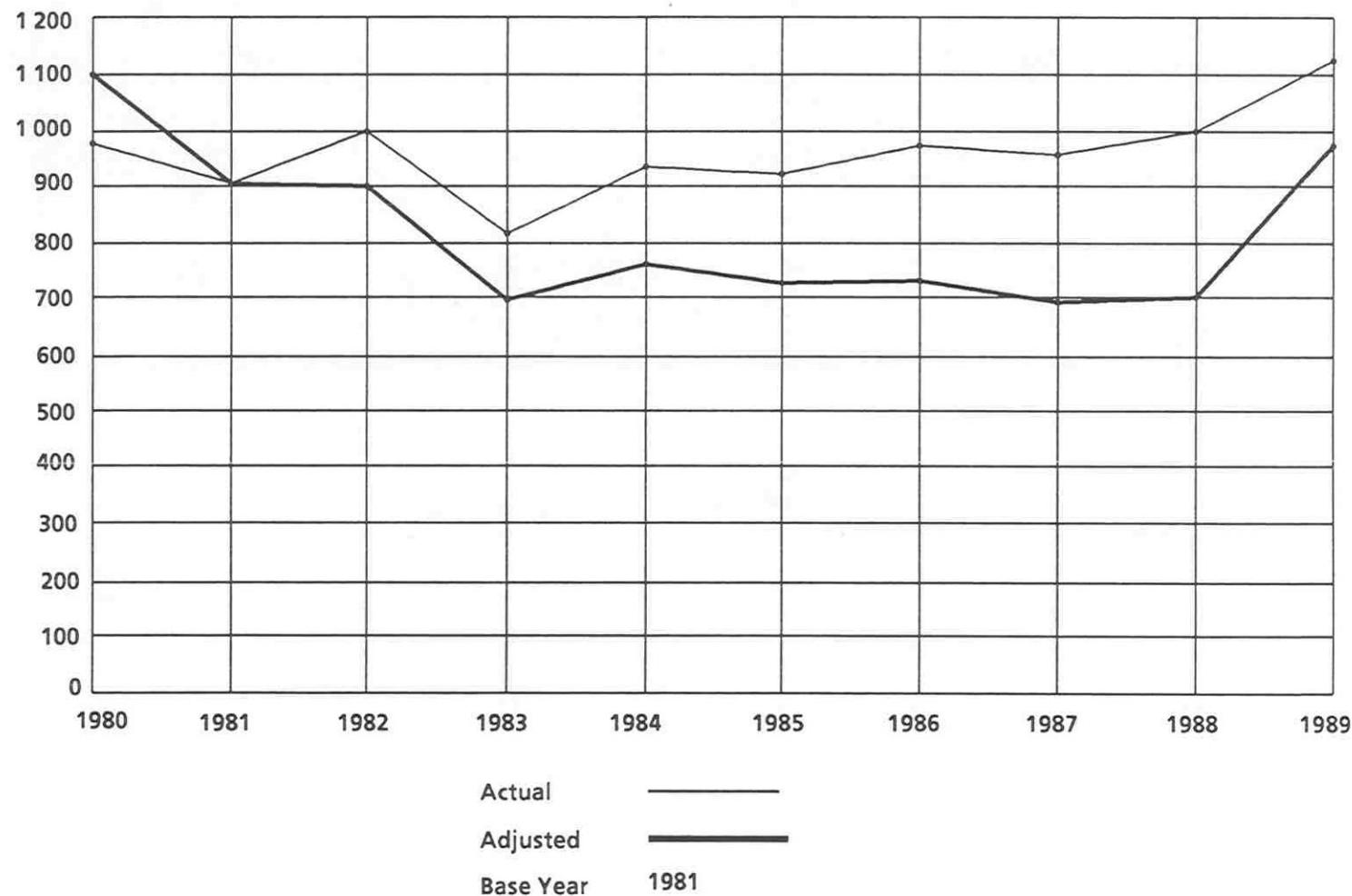
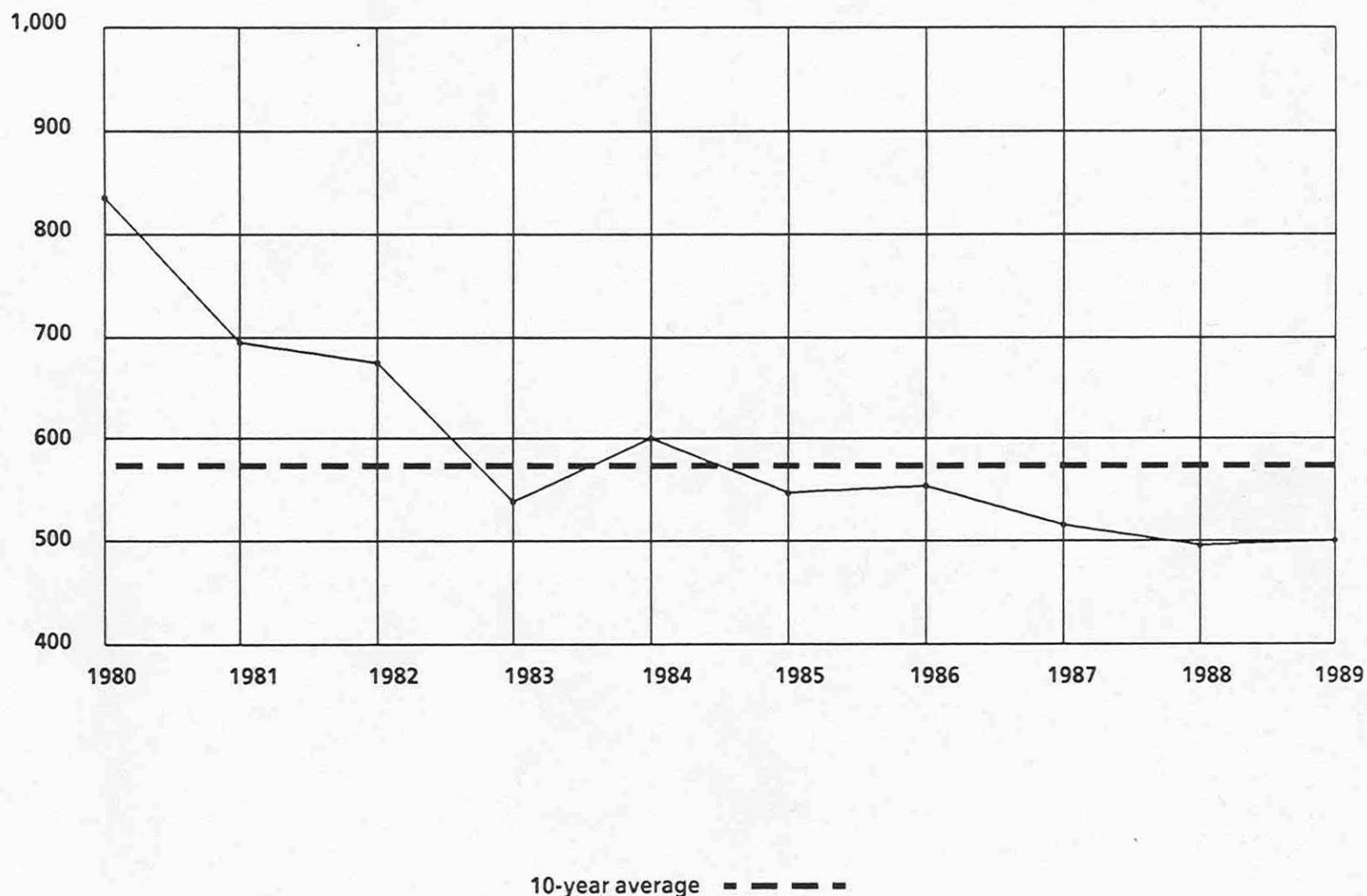


Figure 2  
FIRE DEATHS



SECTION II  
FIRE LOSSES, 1989 AND 10-YEAR AVERAGE

**TABLE 2 - PROPERTY LOSSES BY JURISDICTION**

Jurisdiction	Population 1989	Number of Fires		Loss		Loss per capita		
		1989	10-Year Average	1989	\$	10-Year Average	1989 \$	10-Year Average
Alberta	2 449 489	8 013	9 184	104 903 569		125 315 610	42.83	54.04
British Columbia	3 105 700	7 280	7 428	181 071 119		126 489 206	58.30	43.98
Manitoba	1 129 810	5 762	6 497	55 647 672		45 566 091	49.25	42.71
New Brunswick	712 300	1 963	1 751	15 969 787		17 061 013	22.42	24.00
Newfoundland*	520 622	768	895	14 822 123		16 639 191	28.47	29.17
Nova Scotia	888 700	2 387	2 602	23 851 875		27 504 721	26.84	31.68
Ontario	9 667 600	23 230	24 036	386 025 436		257 640 064	39.93	28.38
Prince Edward Island	126 646	1 290	716	5 394 766		4 548 129	42.60	36.13
Quebec	6 540 406	12 891	15 848	267 946 642		293 712 337	40.97	45.13
Saskatchewan	1 001 600	2 908	3 051	46 066 565		34 608 905	45.99	34.69
Northwest Territories	52 298	152	165	5 573 971		5 694 823	106.58	118.41
Yukon	28 749	243	162	2 647 513		1 918 824	92.09	81.89
National Defence	195 354	188	223	3 682 548		2 826 769	-	-
Federal Properties	227 427	107	281	5 976 323		6 222 243	-	-
<b>SUMMARY</b>	<b>26 223 920</b>	<b>67 182</b>	<b>72 837</b>	<b>1 119 579 909</b>		<b>965 747 926</b>	<b>42.69</b>	<b>38.15</b>

\*Newfoundland statistics are unavailable. For all tables except Tables 4 and 8, 1987 figures have been substituted.

**SECTION III**  
**FIRE LOSSES BY PROPERTY CLASSIFICATION**

**TABLE 3 - SUMMARY OF FIRES BY PROPERTY CLASSIFICATION**

Classification	Number of Fires	% of Total	Loss \$	% of Total	Injuries	% of Total	Deaths	% of Total
Residential	30 156	44.89	454 044 540	40.55	2 642	70.21	425	85.00
Assembly	2 039	3.04	80 472 678	7.19	148	3.93	8	1.60
Institutional	544	0.81	9 738 827	0.87	81	2.15	10	2.00
Business and personal service	618	0.92	32 543 980	2.91	40	1.06	0	0.00
Mercantile	2 050	3.05	136 301 714	12.17	172	4.57	2	0.40
Industrial manufacturing	1 843	2.74	127 133 311	11.36	154	4.09	1	0.20
Storage	1 793	2.67	64 261 817	5.74	76	2.02	2	0.40
Special	24 496	36.46	114 807 539	10.25	324	8.61	39	7.80
Farm	1 558	2.32	64 069 417	5.72	26	0.69	3	0.60
Miscellaneous	2 085	3.10	36 206 086	3.23	100	2.66	10	2.00
<b>TOTAL</b>	<b>67 182</b>	<b>100.00</b>	<b>1 119 579 909</b>	<b>100.00</b>	<b>3 763</b>	<b>100.00</b>	<b>500</b>	<b>100.00</b>

### 3(a) Residential Properties

Jurisdiction	1989				10-Year Average 1980 - 1989			
	Number of Fires	% of Total	Loss \$	% of Total	Number of Fires	% of Total	Loss \$	% of Total
Alberta	2 444	30.50	38 436 945	36.64	2 834	35.36	32 561 431	31.04
British Columbia	2 932	40.27	62 069 467	34.28	3 261	44.79	55 039 819	30.40
Manitoba	1 928	33.46	25 768 632	46.31	2 167	37.61	18 026 021	32.39
New Brunswick	1 200	61.13	9 942 946	62.26	1 060	54.01	9 986 522	62.53
Newfoundland	439	57.16	7 425 404	50.10	518	67.46	7 457 594	50.31
Nova Scotia	1 462	61.25	12 460 734	52.24	1 636	68.55	11 125 118	46.64
Ontario	10 760	46.32	150 134 335	38.89	11 359	48.90	107 472 587	27.84
Prince Edward Island	749	58.06	3 959 032	73.39	492	38.12	2 155 679	39.96
Quebec	7 135	55.35	127 129 925	47.45	9 172	71.15	123 675 803	46.16
Saskatchewan	868	29.85	13 240 065	28.74	1 037	35.67	11 545 402	25.06
Northwest Territories	82	53.95	1 992 696	35.75	92	60.26	1 837 927	32.97
Yukon	98	40.33	1 232 058	46.54	72	29.47	1 138 911	43.02
National Defence	57	30.32	232 051	6.30	98	52.07	485 618	13.19
Federal Properties	2	1.87	20 250	0.34	24	22.43	432 665	7.24
<b>SUMMARY</b>	<b>30 156</b>	<b>44.89</b>	<b>454 044 540</b>	<b>40.55</b>	<b>33 821</b>	<b>50.34</b>	<b>382 941 095</b>	<b>34.20</b>

Percentages used in Table 3 relate to jurisdictional totals.

3(b) Residential - Detail

Occupancy	Fires	Loss \$	Injuries	Deaths
One and two family residence	20 917	318 944 704	1 474	273
Apartment, tenement, flat	5 928	78 136 706	902	69
Rooming, boarding, lodging	332	5 910 678	69	24
Hotel, inn, lodge	416	12 809 298	46	3
Motor hotel, motel	134	2 839 146	11	2
Dormitory	95	1 156 923	10	1
Mobile home, trailer	1 081	15 230 230	82	30
Miscellaneous	1 253	19 016 855	38	6
<b>TOTAL</b>	<b>30 156</b>	<b>454 044 540</b>	<b>2 632</b>	<b>408</b>

**3(c) Assembly**

Jurisdiction	Number of Fires	% of Total	Loss \$	% of Total
Alberta	179	2.23	10 727 216	10.23
British Columbia	229	3.15	12 320 463	6.80
Manitoba	102	1.77	4 094 245	7.36
New Brunswick	49	2.50	981 969	6.15
Newfoundland	12	1.56	2 157 165	14.55
Nova Scotia	46	1.93	1 870 558	7.84
Ontario	858	3.69	25 630 007	6.64
Prince Edward Island	20	1.55	41 358	0.77
Quebec	424	3.29	19 300 180	7.20
Saskatchewan	55	1.89	2 336 400	5.07
Northwest Territories	9	5.92	596 500	10.70
Yukon	3	1.23	152 000	5.74
National Defence	33	17.55	190 492	5.17
Federal Properties	20	18.69	74 125	1.24
<b>CANADA</b>	<b>2 039</b>	<b>3.04</b>	<b>80 472 678</b>	<b>7.19</b>

3(d) Assembly - Detail

Occupancy	Fires	Loss \$	Injuries	Deaths
Theatre, studio, auditorium	47	1 280 379	7	0
Amusement, recreation place	211	4 521 305	6	2
School, college, university	506	21 919 198	39	0
Church, funeral parlour	125	9 794 544	9	0
Club, social, sport	117	5 890 519	7	0
Museum, art gallery, library	25	3 979 084	6	0
Food, beverage establishment	849	30 650 605	73	6
Passenger terminal, station	92	1 325 836	0	0
Miscellaneous	67	1 111 208	1	0
<b>TOTAL</b>	<b>2 039</b>	<b>80 472 678</b>	<b>148</b>	<b>8</b>

### 3(e) Institutional

Jurisdiction	Number of Fires	% of Total	Loss \$	% of Total
Alberta	35	0.44	390 446	0.37
British Columbia	41	0.56	305 500	0.17
Manitoba	30	0.52	51 410	0.09
New Brunswick	7	0.36	20 318	0.13
Newfoundland	5	0.65	237 431	1.60
Nova Scotia	21	0.88	150 852	0.63
Ontario	210	0.90	2 526 303	0.65
Prince Edward Island	24	1.86	0	0.00
Quebec	95	0.74	3 850 391	1.44
Saskatchewan	12	0.41	162 500	0.35
Northwest Territories	0	0.00	0	0.00
Yukon	1	0.41	0	0.00
National Defence	4	2.13	1 994	0.05
Federal Properties	59	55.14	2 041 682	34.16
 <b>CANADA</b>	 <b>544</b>	 <b>0.81</b>	 <b>9 738 827</b>	 <b>0.87</b>

3(f) Institutional - Detail

Occupancy	Fires	Loss \$	Injuries	Deaths
Prison, jail, reformatory	109	3 216 182	8	3
Home for the aged	154	936 689	45	6
Child care	20	411 480	1	0
Hospital, sanatorium, clinic	215	4 748 168	25	1
Miscellaneous	46	426 308	2	0
<b>TOTAL</b>	<b>544</b>	<b>9 738 827</b>	<b>81</b>	<b>10</b>

### 3(g) Business and Personal Service

Jurisdiction	Number of Fires	% of Total	Loss \$	% of Total
Alberta	43	0.54	557 579	0.53
British Columbia	82	1.13	10 560 224	5.83
Manitoba	29	0.50	507 207	0.91
New Brunswick	14	0.71	488 119	3.06
Newfoundland	1	0.13	123 608	0.83
Nova Scotia	19	0.80	143 780	0.60
Ontario	256	1.10	13 357 533	3.46
Prince Edward Island	20	1.55	20 000	0.37
Quebec	129	1.00	6 411 281	2.39
Saskatchewan	4	0.14	13 700	0.03
Northwest Territories	2	1.32	2 000	0.04
Yukon	2	0.82	19 500	0.74
National Defence	6	3.19	200 546	5.45
Federal Properties	11	10.28	138 903	2.32
 CANADA	 618	 0.92	 32 543 980	 2.91

### 3(h) Mercantile Properties

Jurisdiction	Number of Fires	% of Total	Loss \$	% of Total
Alberta	129	1.61	7 085 139	6.75
British Columbia	181	2.49	18 896 689	10.44
Manitoba	61	1.06	2 262 471	4.07
New Brunswick	35	1.78	852 080	5.34
Newfoundland	14	1.82	1 323 720	8.93
Nova Scotia	44	1.84	1 714 769	7.19
Ontario	922	3.97	61 856 416	16.02
Prince Edward Island	19	1.47	7 825	0.15
Quebec	556	4.31	32 261 457	12.04
Saskatchewan	77	2.65	9 378 650	20.36
Northwest Territories	5	3.29	652 500	11.71
Yukon	1	0.41	0	0.00
National Defence	6	3.19	9 998	0.27
Federal Properties	0	0.00	0	0.00
<b>CANADA</b>	<b>2 050</b>	<b>3.05</b>	<b>136 301 714</b>	<b>12.17</b>

### 3(i) Industrial Manufacturing Properties

Jurisdiction	Number of Fires	% of Total	Loss \$	% of Total
Alberta	154	1.92	6 731 551	6.42
British Columbia	186	2.55	38 996 729	21.54
Manitoba	76	1.32	6 550 376	11.77
New Brunswick	96	4.89	861 618	5.40
Newfoundland	6	0.78	315 050	2.13
Nova Scotia	32	1.34	1 549 522	6.50
Ontario	846	3.64	38 827 172	10.06
Prince Edward Island	9	0.70	0	0.00
Quebec	389	3.02	25 763 256	9.62
Saskatchewan	34	1.17	6 382 300	13.85
Northwest Territories	0	0.00	0	0.00
Yukon	9	3.70	1 128 811	42.64
National Defence	6	3.19	26 926	0.73
Federal Properties	0	0.00	0	0.00
 CANADA	 1 843	 2.74	 127 133 311	 11.36

### 3(j) Storage Properties

Jurisdiction	Number of Fires	% of Total	Loss \$	% of Total
Alberta	416	5.19	9 399 395	8.96
British Columbia	268	3.68	12 723 283	7.03
Manitoba	226	3.92	2 924 941	5.26
New Brunswick	69	3.52	626 354	3.92
Newfoundland	14	1.82	264 096	1.78
Nova Scotia	67	2.81	2 927 780	12.27
Ontario	296	1.27	20 173 186	5.23
Prince Edward Island	14	1.09	87 698	1.63
Quebec	198	1.54	12 156 748	4.54
Saskatchewan	201	6.91	2 423 500	5.26
Northwest Territories	8	5.26	335 350	6.02
Yukon	8	3.29	24 500	0.93
National Defence	4	2.13	157 385	4.27
Federal Properties	4	3.74	37 601	0.63
<b>CANADA</b>	<b>1 793</b>	<b>2.67</b>	<b>64 261 817</b>	<b>5.74</b>

### 3(k) Special Properties (Outdoor and Vehicles)

Jurisdiction	Number of Fires	% of Total	Loss \$	% of Total
Alberta	3 959	49.41	20 978 403	20.00
British Columbia	3 131	43.01	19 298 726	10.66
Manitoba	3 020	52.41	7 377 210	13.26
New Brunswick	443	22.57	831 509	5.21
Newfoundland	218	28.39	1 398 268	9.43
Nova Scotia	542	22.71	1 684 851	7.06
Ontario	7 982	34.36	35 950 215	9.31
Prince Edward Island	385	29.84	273 961	5.08
Quebec	3 248	25.20	15 129 517	5.65
Saskatchewan	1 350	46.42	6 429 165	13.96
Northwest Territories	38	25.00	631 125	11.32
Yukon	121	49.79	90 644	3.42
National Defence	53	28.19	2 725 284	74.01
Federal Properties	6	5.61	2 008 661	33.61
 <b>CANADA</b>	 <b>24 496</b>	 <b>36.46</b>	 <b>114 807 539</b>	 <b>10.25</b>

### 3(l) Special Properties - Detail

Occupancy	Fires	Loss \$	Injuries	Deaths
Outdoor property	4 458	3 914 904	56	8
Special connecting properties	66	1 247 813	1	0
Construction, demolition, vacant	418	10 416 733	26	5
Watercraft	226	5 608 879	36	2
Rail, transport vehicle and equipment	309	3 335 390	14	0
Ground transport vehicle	17 793	62 847 132	161	24
Aircraft	25	3 901 903	5	0
Special vehicle	1 183	18 334 239	21	0
Pier, wharf	18	5 200 546	4	0
<b>TOTAL</b>	<b>24 496</b>	<b>114 807 539</b>	<b>324</b>	<b>39</b>

### 3(m) Farm Properties

Jurisdiction	Number of Fires	% of Total	Loss \$	% of Total
Alberta	281	3.51	5 665 228	5.40
British Columbia	53	0.73	2 043 899	1.13
Manitoba	158	2.74	4 538 304	8.16
New Brunswick	19	0.97	1 185 651	7.42
Newfoundland	4	0.52	22 000	0.15
Nova Scotia	43	1.80	618 629	2.59
Ontario	480	2.07	27 392 328	7.10
Prince Edward Island	37	2.87	971 892	18.02
Quebec	195	1.51	17 020 436	6.35
Saskatchewan	287	9.87	2 961 050	6.43
Northwest Territories	0	0.00	0	0.00
Yukon	0	0.00	0	0.00
National Defence	0	0.00	0	0.00
Federal Properties	1	0.93	1 650 000	27.61
 CANADA	 1 558	 2.32	 64 069 417	 5.72

### 3(n) Miscellaneous Properties

Jurisdiction	Number of Fires	% of Total	Loss \$	% of Total
Alberta	373	4.65	4 931 667	4.70
British Columbia	177	2.43	3 856 139	2.13
Manitoba	132	2.29	1 572 876	2.83
New Brunswick	31	1.58	179 223	1.12
Newfoundland	55	7.16	1 555 381	10.49
Nova Scotia	111	4.65	730 400	3.06
Ontario	620	2.67	10 177 941	2.64
Prince Edward Island	13	1.01	33 000	0.61
Quebec	522	4.05	8 923 451	3.33
Saskatchewan	20	0.69	2 739 235	5.95
Northwest Territories	8	5.26	1 363 800	24.47
Yukon	0	0.00	0	0.00
National Defence	19	10.11	137 872	3.74
Federal Properties	4	3.74	5 101	0.09
<b>CANADA</b>	<b>2 085</b>	<b>3.10</b>	<b>36 206 086</b>	<b>3.23</b>

## SECTION IV

TABLE 4 - ARSON AND ATTEMPTED ARSON

Jurisdiction	Offences Cleared					Persons Charged					
	Suspected or Known Incendiary		Actual Number	By Charge	Otherwise	Adults		Young Offenders		Not Charged	
	Unfounded	M				M	F	M	F		
Alberta	765	108	657	96	70	36	9	38	7	69	
British Columbia	1 102	83	1 019	103	102	60	6	41	7	33	
Manitoba	408	44	364	72	41	50	8	16	7	52	
New Brunswick	482	168	314	43	17	28	2	14	0	8	
Newfoundland	136	12	124	22	10	14	0	6	0	4	
Nova Scotia	304	50	254	32	19	33	4	6	0	9	
Ontario	2 209	165	2 044	403	266	186	45	115	19	117	
Prince Edward Island	45	3	42	8	4	4	0	1	0	4	
Quebec	4 439	1 684	2 755	419	200	275	55	110	16	83	
Saskatchewan	214	16	198	53	24	39	7	18	4	11	
Northwest Territories	22	6	16	7	3	3	0	1	0	4	
Yukon	21	9	12	0	4	0	0	0	0	2	
<b>CANADA</b>	<b>10 147</b>	<b>2 348</b>	<b>7 799</b>	<b>1 258</b>	<b>760</b>	<b>728</b>	<b>136</b>	<b>366</b>	<b>60</b>	<b>396</b>	

M - male; F - female.

Source : Canadian Centre for Justice Statistics - Statistics Canada

## SECTION V

TABLE 5 - FIRE LOSSES BY SOURCE OF IGNITION

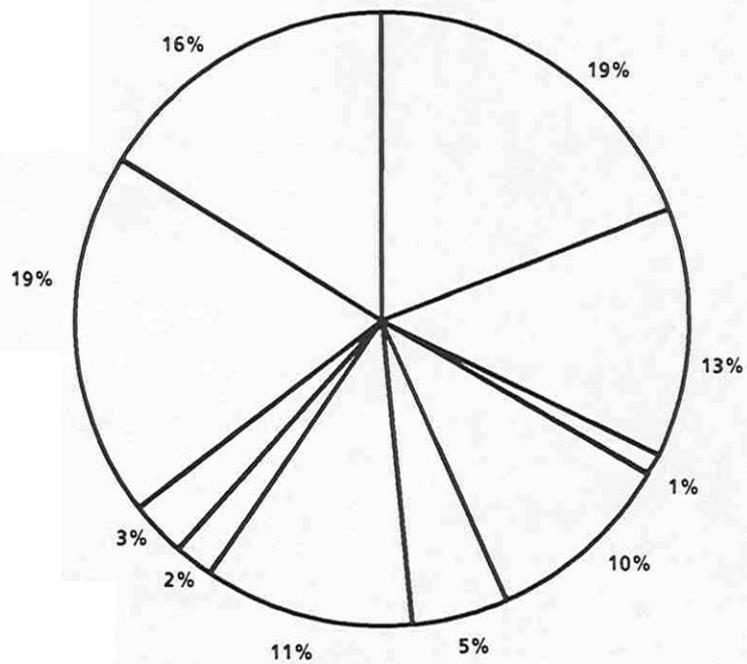
Source of Ignition (Igniting object)	Number of Fires	Loss \$	Injuries					Deaths				
			FF	M	W	C	Uncl	FF	M	W	C	Uncl
No igniting object (e.g., lightning)	563	6 087 507	9	7	3	8	2	0	4	1	1	0
Cooking equipment	8 855	68 322 231	95	311	249	64	14	0	33	10	11	0
Heating equipment	6 930	104 516 700	132	107	48	16	4	0	28	8	9	0
Appliances and equipment	3 164	32 433 347	33	33	21	5	3	0	5	2	1	0
Electrical distribution equipment	7 239	135 607 924	135	84	25	18	7	0	10	5	7	0
Other electrical equipment	1 425	22 049 863	19	34	4	3	3	0	0	0	0	0
<b>Smoker's material and "open flame":</b>												
Smoker's material	4 757	59 709 786	156	231	129	28	2	1	73	32	13	0
Match, lighter (not used with smoking), lamp, candle, taper	3 313	47 636 602	104	91	57	65	9	0	11	3	11	0
Cutting torch, welding equip., varied torches	1 106	18 816 148	38	51	4	3	3	0	0	0	0	0
Hot ashes, embers (non-smoking material)	607	10 979 221	23	4	1	1	0	0	1	0	0	0
Smoker's material or "open" flame, uncl.	3 096	43 521 219	50	44	9	9	1	0	6	3	2	0
Exposure	2 210	21 718 955	10	14	7	3	0	0	1	0	0	0
Miscellaneous	12 906	123 867 095	117	172	43	16	4	1	32	7	6	0
Undetermined	11 011	424 313 311	411	198	117	38	4	1	92	40	28	0
<b>TOTAL</b>	<b>67 182</b>	<b>1 119 579 909</b>	<b>1 332</b>	<b>1 381</b>	<b>717</b>	<b>277</b>	<b>56</b>	<b>3</b>	<b>296</b>	<b>111</b>	<b>89</b>	<b>0</b>

FF - Firefighters; M - Men; W - Women; C - Children; Uncl - Unclassified.

Figure 3

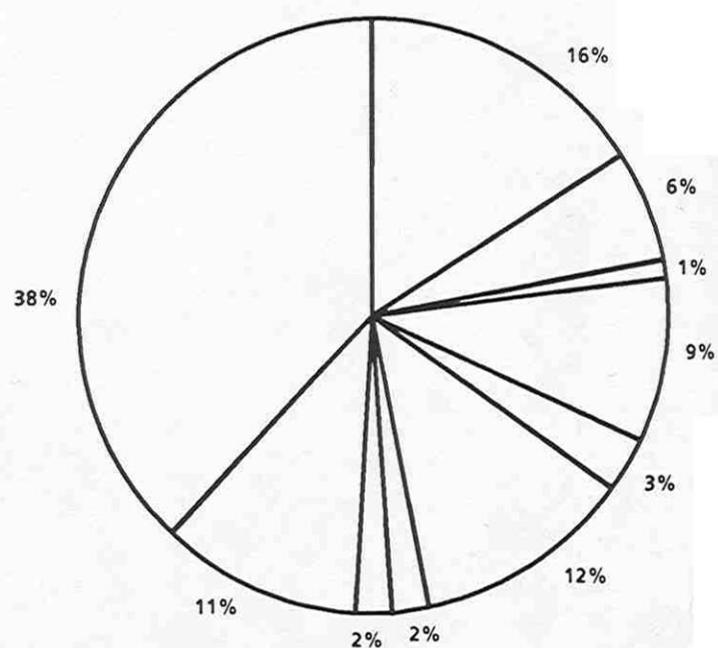
SOURCE OF IGNITION  
1989

3(a) NUMBER OF FIRES



19%	Smoker's material
13%	Cooking equipment
1%	No igniting object
10%	Heating equipment
5%	Appliances and equipment
11%	Electrical distribution equipment
2%	Other electrical equipment
3%	Exposure
19%	Miscellaneous
16%	Undetermined

3(b) LOSS



16%	Smoker's material
6%	Cooking equipment
1%	No igniting object
9%	Heating equipment
3%	Appliances and equipment
12%	Electrical distribution equipment
2%	Other electrical equipment
2%	Exposure
11%	Miscellaneous
38%	Undetermined

## SECTION VI

TABLE 6 - FIRE DEATHS AND INJURIES

TABLE 6(a) - FIRE DEATHS, 1989 AND 10-YEAR SUMMARY

Jurisdiction	1989					Fire Death Rate*	Average No. of Deaths	Fire Death Rate*
	FF	M	W	C	Total			
Alberta	1	24	10	11	46	1.88	64	2.74
British Columbia	0	32	13	13	58	1.87	67	2.36
Manitoba	0	13	3	6	22	1.95	36	3.39
New Brunswick	0	7	8	9	24	3.37	22	3.15
Newfoundland	0	11	2	4	17	3.27	20	3.43
Nova Scotia	0	20	5	11	36	4.05	28	3.24
Ontario	1	115	42	25	183	1.89	180	2.01
Prince Edward Island	0	5	1	0	6	4.74	6	4.39
Quebec	1	53	25	10	89	1.36	134	2.07
Saskatchewan	0	11	1	1	13	1.30	29	2.91
Northwest Territories	0	3	1	0	4	7.65	7	15.56
Yukon	0	1	0	0	1	3.48	2	7.57
National Defence	0	1	0	0	1	0.51	1	-
Federal Properties	0	0	0	0	0	0.00	1	-
<b>SUMMARY</b>		<b>1332</b>	<b>3</b>	<b>296</b>	<b>111</b>	<b>1.91</b>	<b>595</b>	<b>2.37</b>

FF - Firefighters; M - Men; W - Women; C - Children.

\* Fire death rate - number of fire deaths per 100 000 population per annum.

TABLE 6(b) - FIRE INJURIES, 1989 AND FIVE-YEAR SUMMARY

Jurisdiction	1989						Five-Year Summary		
	FF	M	W	C	Uncl.	Total	Fire Injury Rate*	Average No. of Injuries	Fire Injury Rate*
Alberta	148	208	82	44	38	520	21.23	449	18.73
British Columbia	85	164	80	53	5	387	12.46	381	12.89
Manitoba	106	81	43	26	0	256	22.66	272	24.99
New Brunswick	13	15	10	2	0	40	5.62	35	4.93
Newfoundland	1	9	3	5	0	18	3.46	22	3.95
Nova Scotia	9	13	11	0	0	33	3.71	86	9.73
Ontario	798	595	358	106	0	1 857	19.21	1 941	20.87
Prince Edward Island	0	0	0	0	0	0	0.00	0	0.31
Quebec	157	215	102	14	0	488	7.46	532	8.08
Saskatchewan	14	47	19	22	13	115	11.48	83	8.20
Northwest Territories	0	7	1	2	0	10	19.12	10	19.66
Yukon	0	4	0	0	0	4	13.91	3	12.05
National Defence	1	14	8	3	0	26	13.31	16	-
Federal Properties	0	9	0	0	0	9	3.96	7	-
<b>SUMMARY</b>	<b>1 332</b>	<b>1 381</b>	<b>717</b>	<b>277</b>	<b>56</b>	<b>3 763</b>	<b>14.35</b>	<b>3 814</b>	<b>14.84</b>

FF - Firefighters; M - Men; W - Women; C - Children; Uncl. - Unclassified.

\* Fire injury rate - number of fire injuries per 100 000 population per annum.

## SECTION VII

TABLE 7 - ACT OR OMISSION CAUSING FIRE

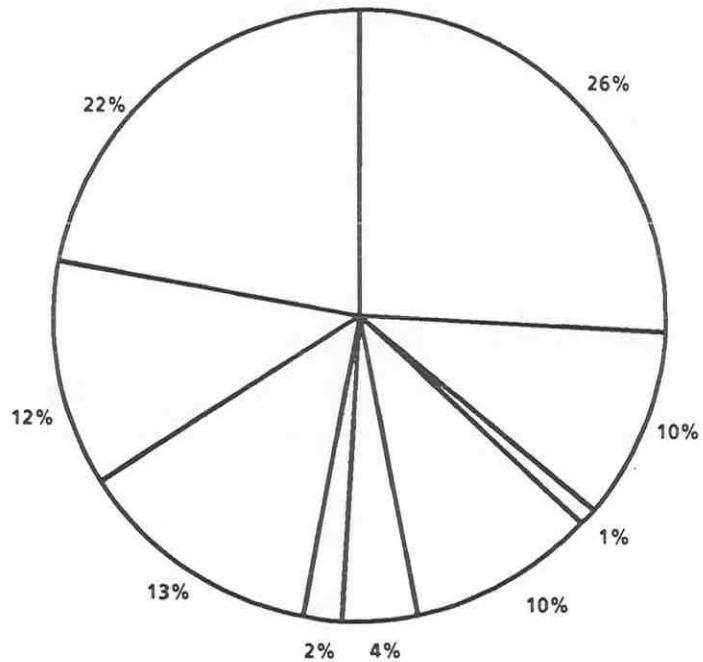
Act or Omission	Number of Fires	Loss \$	Injuries						Deaths					
			FF	M	W	C	Uncl	FF	M	W	C	Uncl		
Arson or other set fires :														
Arson/suspected arson	2 759	95 577 285	199	54	21	9	0	0	28	7	2	0		
Other set fires	6 084	92 855 878	96	62	26	10	1	0	14	3	1	0		
Misuse of source of ignition :														
Smoker's material	1 497	14 867 286	46	59	31	15	1	0	19	9	3	0		
Child playing with	1 291	14 059 486	38	26	29	62	2	0	4	4	17	0		
Welding, cutting, thawing	521	8 200 208	7	16	2	2	2	0	0	0	0	0		
Unclassified	3 364	32 526 690	118	141	81	12	2	0	25	10	3	0		
Misuse of material ignited	6 487	75 544 146	94	238	145	49	16	1	35	9	11	0		
Mechanical, electrical failure, malfunction	17 468	216 448 490	164	159	49	19	13	1	15	5	7	0		
Construction, design or installation deficiency	2 801	35 630 245	36	13	4	0	0	1	6	1	0	0		
Misuse of equipment	1 423	15 006 185	16	44	17	7	2	0	9	3	6	0		
Human failing :														
Asleep	148	1 442 143	1	12	6	5	2	0	8	1	0	0		
Suspected impairment by alcohol, drugs, medication	351	3 638 655	6	33	9	1	0	0	16	4	0	0		
Miscellaneous	7 885	99 365 328	190	297	194	52	7	0	52	20	15	0		
Vehicle accident	656	8 141 056	9	21	5	3	2	0	9	1	0	0		
Miscellaneous	14 447	406 276 828	312	206	98	31	6	0	56	34	25	0		
TOTAL	67 182	1 119 579 909	1 332	1 381	717	277	56	3	296	111	90	0		

FF - Firefighters; M - Men; W - Women; C - Children; Uncl - Unclassified.

Figure 4

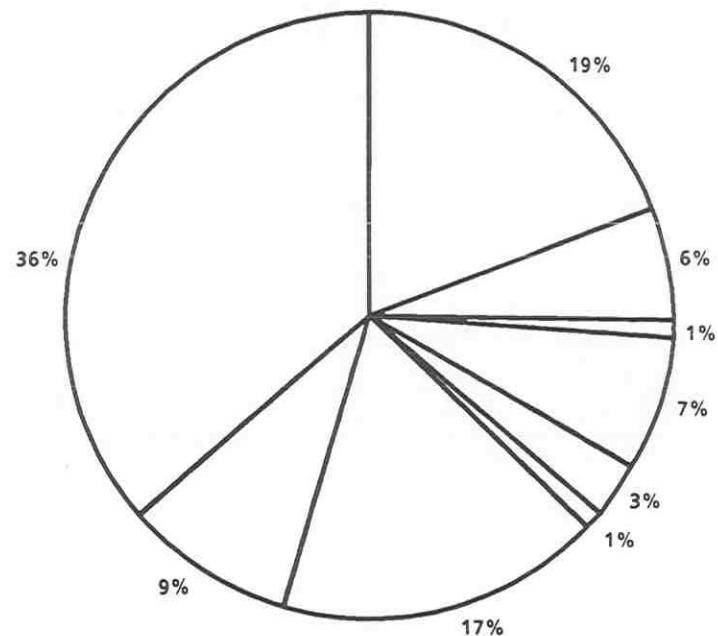
ACT OR OMISSION CAUSING FIRE  
1989

4(a) NUMBER OF FIRES



26%	Mechanical, electrical failure
10%	Misuse of source of ignition
1%	Vehicle accident
10%	Misuse of material ignited
4%	Construction, design or installation deficiency
2%	Misuse of equipment
13%	Arson or other set fires
12%	Human failing
22%	Miscellaneous

4(b) LOSS



19%	Mechanical, electrical failure
6%	Misuse of source of ignition
1%	Vehicle accident
7%	Misuse of material ignited
3%	Construction, design or installation deficiency
1%	Misuse of equipment
17%	Arson or other set fires
9%	Human failing
36%	Miscellaneous

SECTION VIII

TABLE 8 - LOSSES OF \$500 000 AND OVER

Table 8(a) Alberta

Location	Date	Property/Classification	Act or Omission	Casualties		
				Dollar Loss	Injuries	Deaths
Improvement Dist. No.14	89.02.01	Dairy barn	Mechanical failure	527 722	0	0
Municipal Dist. No.44	89.02.07	Dance hall	Unknown	1 070 000	4	0
Edmonton	89.02.19	Leather goods shop	Arson	896 525	2	0
Calgary	89.02.21	Apartment, over 20 units	Smoker's material	1 401 966	30	0
County No.17	89.04.14	Alfalfa plant	Unknown	866 908	0	0
Bonnyville	89.05.09	Motor vehicle sales	Arson	861 220	0	0
Pincher Creek	89.05.10	Large variety store	Mechanical failure	1 056 625	0	0
County No.16	89.07.07	Feed mill	Misuse of source of ignition	500 000	0	0
Red Deer	89.08.03	Junior high school	Misuse of source of ignition	800 000	1	0
Improvement Dist. No.19	89.08.12	Petroleum, natural gas well	Human failing	509 000	1	0
Brooks	89.08.24	Vegetable packing facility	Arson	900 000	0	0
Irvine	89.09.22	High school	Arson	5 506 392	5	0
County No.26	89.10.22	Confectionary sales	Arson	500 000	0	0
Bow Island	89.11.18	Hotel	Unknown	750 000	4	0
Medicine Hat	89.11.19	Unoccupied warehouse	Smoker's material	750 000	2	0
Fairview	89.11.23	Motor vehicle sales	Unknown	782 847	5	0
Municipal Dist. No.1	89.11.27	Unoccupied army barracks	Unknown	2 835 000	0	0
County No.17	89.11.28	Grain elevator	Suspected arson	1 915 000	0	0
Improvement Dist. No.18	89.12.16	Petroleum, natural gas well	Mechanical failure	1 000 000	0	0

Table 8(b) British Columbia

Location	Date	Property/Classification	Act or Omission	Casualties		
				Dollar Loss	Injuries	Deaths
Vancouver	89.01.07	Restaurant	Suspected arson	716 000	1	0
Kitimat	89.01.09	Motor vehicle repairs	Mechanical failure	749 975	0	0
Langley	89.01.19	Medical, research or scientific office	Miscellaneous, unclassified	1 049 524	5	0
Port Moody	89.01.28	Metal products, appliance storage	Unknown	1 015 000	0	0
Sechelt	89.02.14	General business office	Arson	635 000	0	0
Delta	89.02.16	Sawmill, planing mill	Unknown	15 000 000	0	0
Surrey	89.02.22	Shopping mall	Unknown	1 455 600	0	0
Richmond	89.03.03	Plastic products manufacture	Unknown	4 026 000	0	0
Castlegar	89.03.08	Paper, pulp, paperboard manufacture	Mechanical failure	2 100 000	0	0

Table 8(b) British Columbia (con't)

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Casualties	
					Injuries	Deaths
Thompson-Nicola R.D.	89.03.14	Power distribution system	Part failure	2 000 000	0	0
Saanich	89.03.18	Laundry and dry cleaning plant	Unknown	2 000 000	0	0
Kelowna	89.03.19	Electronic equipment - unclassified	Unknown	936 250	0	0
Vancouver	89.04.10	One or two family dwelling with business	Unknown	773 000	0	0
Kelowna	89.04.19	Hotel, inn, lodge - unclassified	Arson	500 000	0	0
Vancouver	89.04.24	Restaurant	Unknown	868 150	0	0
Maple Ridge	89.04.25	Sawmill, planing mill	Open fire	1 276 725	1	0
Squamish	89.04.28	Hotel, motel, over 20 units	Human failing	713 000	0	0
North Vancouver	89.04.30	Apartment, townhouse	Part failure	1 390 918	0	0
Kelowna	89.05.18	Trade supply sales	Unknown	5 934 533	1	0
Surrey	89.05.20	Sawmill, planing mill	Construction deficiency	3 012 941	0	0
McBride	89.06.05	Sawmill, planing mill	Arson	1 333 000	0	0
Abbotsford	89.06.08	Sawmill, planing mill	Suspected arson	519 895	0	0
Vancouver	89.06.08	Furniture storage	Suspected arson	2 701 000	0	0
Vancouver	89.06.20	Furniture storage	Arson	1 816 600	0	0
Vancouver	89.07.04	Miscellaneous mercantile	Unknown	1 583 100	0	0
Surrey	89.07.07	Wood products storage	Unknown	695 000	0	0
Zeballos	89.07.25	Pier, wharf	Unknown	3 162 000	2	0
Prince Rupert	89.07.26	Miscellaneous storage properties	Unknown	523 675	0	0
Delta	89.08.08	Sawmill, planing mill	Unknown	500 000	0	0
Comox-Strathcona R.D.	89.08.18	Commercial fishing vessel	Unknown	500 000	0	0
Chilliwack	89.08.19	Storage barn	Unknown	501 000	0	0
Surrey	89.08.24	General warehouse	Arson	732 500	0	0
Morice town	89.08.27	Sawmill, planing mill	Unknown	500 000	0	0
Burns Lake	89.09.01	Government office	Miscellaneous, unclassified	6 830 000	0	0
Burnaby	89.09.03	Elementary school	Arson	1 300 900	1	0
Saanich	89.09.09	Apartment	Suspected arson	600 000	1	0
Cariboo R.D.	89.09.28	Sawmill, planing mill	Misuse of source of ignition	600 000	0	0
Vancouver	89.10.15	Church, chapel	Unknown	1 000 000	0	0
Vancouver	89.10.31	Helicopter	Unknown	1 100 000	0	0
Prince Rupert	89.11.04	Hotel, inn, lodge	Human failing, suspected impairment	987 000	5	0
Houston	89.11.08	Vehicles, related equipment, unclassified	Rail vehicle accident	1 200 000	0	0
Stikine Region R.D.	89.11.10	Maintenance shop, general	Unknown	900 000	0	0
Saanich	89.12.03	Library	Unknown	3 200 000	1	0
Sproat Lake	89.12.09	Single family dwelling	Unknown	900 000	0	0
Vancouver	89.12.21	Basic metal products manufacturing	Unknown	985 000	0	0
Prince Rupert	89.12.27	Miscellaneous mercantile - unclassified	Unknown	1 258 000	0	0

Table 8(c) Manitoba

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Casualties	
					Injuries	Deaths
Giroux	89.01.05	Industrial manufacturing	Unknown	650 000	0	0
Winnipeg	89.04.14	Hydro sub station	Electrical	500 000	2	0
St. François	89.04.15	Industrial manufacturing	Unknown	581 640	0	0
Winkler	89.07.22	Industrial manufacturing	Electrical	1 850 000	0	0
Winnipeg	89.07.23	Industrial manufacturing	Arson	755 000	0	0
Thompson	89.08.19	Outdoor area	Arson	1 441 869	1	0
Winnipeg	89.11.08	School	Arson	2 000 000	0	0
Winnipeg	89.11.12	Restaurant	Unknown	600 000	2	0
Winnipeg	89.11.15	Industrial manufacturing	Electrical	500 000	0	0
R.M. Hanover	89.12.05	Barn	Electrical	642 625	0	0
R.M. Stanley	89.12.25	Barn	Unknown	550 000	0	0

Table 8(d) New Brunswick

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Casualties	
					Injuries	Deaths
Port Elgin	89.03.01	Hog farm	Unknown	960 000	0	0
Newcastle	89.04.24	Furniture store	Mechanical failure	507 000	0	0
Florenceville	89.12.31	Storage property	Misuse of source of ignition	3 000 000	0	0

Table 8(e) Newfoundland

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Casualties	
					Injuries	Deaths
No data available for 1989						

Table 8(f) Nova Scotia

Location	Date	Property/Classification	Act or Omission	Casualties		
				Dollar Loss	Injuries	Deaths
Bass River	89.02.05	Wood manufacturing	Mechanical failure	1 095 000	0	0
St. Peter's	89.04.09	Garage	Mechanical failure	1 500 000	0	0
Abercrombie	89.04.18	Golf and country club	Unknown	1 000 000	0	0
Mabou	89.10.30	Consumer co-op	Unknown	500 000	0	0

Table 8(g) Ontario

Location	Date	Property/Classification	Act or Omission	Casualties		
				Dollar Loss	Injuries	Deaths
Southwold	89.01.29	Manufacturing, vehicle parts	Unknown	500 000	0	0
Scarborough	89.01.01	Commercial, unclassified	Unknown	1 500 000	9	0
Brantford	89.01.04	Manufacturing	Accidental	3 200 000	0	0
Windsor	89.01.09	Tavern, beer parlour	Mechanical/electrical failure	510 000	0	0
York	89.01.11	Processing, dairy goods, produce	Unknown	750 000	0	0
Dymond	89.01.15	Manufacturing, miscellaneous products	Arson	600 000	0	0
Mara	89.01.15	Marina, marine service station	Unknown	11 340 327	0	0
Oshawa	89.01.15	Residential, multi-unit	Unknown	1 000 000	0	0
Petrolia	89.01.25	General business office	Unknown	4 000 000	0	0
Markham	89.01.28	Aircraft	Accidental	2 200 000	0	0
Toronto	89.01.28	Assembly	Unknown	1 500 000	3	0
East York	89.02.01	Commercial, unclassified	Unknown	3 750 000	10	0
Whitby	89.02.02	Restaurant	Unknown	1 000 000	1	0
Cochrane District	89.02.04	Motor vehicle repair shop	Design deficiency	750 000	0	0
Sarnia	89.02.11	Detached dwelling	Misuse of source of ignition	5 000 000	8	0
Vanier	89.02.12	Single family dwelling with business	Misuse of source of ignition	650 000	0	1
Oro	89.02.13	Multi family dwelling, 2-6 units	Accidental	500 000	0	0
Ottawa	89.02.13	Printing plant	Mechanical/electrical failure	1 950 000	0	0
Bracebridge	89.02.15	Private service station	Mechanical/electrical failure	1 100 000	0	0
Collingwood	89.02.15	Commercial, unclassified	Mechanical/electrical failure	500 000	0	0
North York	89.02.25	Department store	Unknown	2 000 000	0	0
Halton Hills	89.03.01	Warehousing and storage, general goods	Unknown	801 000	1	0
North York	89.03.06	Commercial, unclassified	Unknown	1 300 000	4	0
Cochrane District	89.03.09	Barn, animal shelter	Unknown	1 062 600	1	0
Durham	89.03.09	Manufacturing	Misuse of source of ignition	750 000	0	0
Scarborough	89.03.09	Motor vehicle repair shop	Mechanical/electrical failure	2 000 000	1	0
Elizabethtown	89.03.10	Silo or storage facility	Unknown	550 000	0	0
Blandford-Blenheim	89.03.12	Barn, animal shelter	Mechanical/electrical failure	700 000	0	0

Table 8(g) Ontario (con't)

Location	Date	Property/Classification	Act or Omission	Casualties		
				Dollar Loss	Injuries	Deaths
Kapuskasing	89.03.14	Commercial, unclassified	Arson	2 500 000	0	0
Markham	89.03.21	Motor vehicle sales	Unknown	500 000	0	0
East York	89.03.23	Metal manufacturing, processing	Accidental	800 000	2	1
Cumberland	89.03.24	Detached dwelling	Arson	500 000	0	0
Sudbury	89.03.25	Hospital	Arson	1 000 000	0	0
Flamborough	89.03.28	Warehousing and storage, metal products	Unknown	1 000 000	0	0
Fort Erie	89.04.03	Specialty sales, service	Unknown	1 000 000	0	0
Sarnia	89.04.05	Petroleum product processing	Mechanical/electrical failure	140 000	0	0
Hamilton	89.04.10	Metal manufacturing, processing	Unknown	2 000 000	3	0
Rochester	89.04.13	Barn, animal shelter	Accidental	600 000	0	0
Cambridge	89.04.16	Church	Arson	3 000 000	0	0
Scarborough	89.04.17	Manufacturing	Arson	750 000	0	0
Newcastle	89.04.22	Garden supply store	Arson	500 000	0	0
Etobicoke	89.04.28	Detached dwelling	Arson	1 010 000	0	0
Vaughan	89.05.06	Detached dwelling	Accidental	1 000 000	0	0
North York	89.05.11	Detached dwelling	Misuse of source of ignition	1 000 000	3	0
Parry Sound	89.05.11	Detached dwelling	Accidental	538 000	0	0
South River	89.05.14	Elementary school	Arson	1 000 000	0	0
Mississauga	89.05.17	Chemicals manufacturing, processing	Accidental	500 000	0	0
Strathroy	89.05.20	Warehousing and storage, general goods	Arson	1 200 000	0	0
Scarborough	89.05.25	Warehousing and storage, processed food	Arson	1 300 000	0	0
Mississauga	89.05.31	Grocery store or market	Mechanical/electrical failure	5 000 000	0	0
Cobourg	89.06.04	Metal products storage	Unknown	550 000	0	0
Hamilton	89.06.04	Furniture, appliance repair shop	Arson	500 000	0	0
North York	89.06.04	Detached dwelling	Unknown	550 000	1	0
Kitchener	89.06.14	Wearing apparel manufacturing	Arson	500 500	0	0
Leamington	89.06.20	Specialty clothing store	Unclassified	1 500 000	0	0
Toronto	89.06.25	Warehousing and storage, empty	Arson	5 000 000	4	0
Huntsville	89.06.27	Coal products manufacturing, processing	Mechanical/electrical failure	3 000 000	0	0
Stoney Creek	89.07.07	Detached dwelling	Unknown	510 000	0	0
Woolwich	89.07.07	Metal manufacturing, processing	Mechanical/electrical failure	700 000	0	0
Alexandria	89.07.08	Tavern, beer parlour	Mechanical/electrical failure	700 000	0	0
King Township	89.07.10	Detached dwelling	Accidental	1 325 000	0	0
Niagara	89.07.16	Motor vehicle repair shop	Unknown	1 690 000	0	0
Scugog	89.07.29	Barn, animal shelter	Unknown	750 000	0	0
Etobicoke	89.08.02	General business office	Accidental	5 000 000	2	0
Warwick	89.08.04	Barn, animal shelter	Accidental	500 000	0	0
Niagara	89.08.05	Manufacturing, processing	Unknown	1 000 000	0	0
Cobourg	89.08.08	Concert hall, auditorium	Arson	500 000	0	0
Waterloo	89.08.10	Warehousing and storage, general goods	Unknown	670 000	0	0
Hamilton	89.08.15	Commercial, unclassified	Accidental	725 000	1	0
North Bay	89.08.21	Warehousing and storage, general goods	Unknown	1 208 000	0	0
Laxton	89.08.23	Commercial, unclassified	Accidental	600 000	0	0

Table 8(g) Ontario (con't)

Location	Date	Property/Classification	Act or Omission	Casualties		
				Dollar Loss	Injuries	Deaths
Kitchener	89.08.28	Lumber yard	Arson	680 000	0	0
Burlington	89.09.04	Detached dwelling	Unknown	670 000	2	0
Sandwich South Township	89.09.05	Commercial, unclassified	Mechanical/electrical failure	850 000	0	0
Innisfil	89.09.06	Watercraft	Unknown	750 000	0	0
Pembroke	89.09.09	Tavern, beer parlour	Arson	1 500 000	0	0
Ottawa	89.09.12	Tractor trailer	Vehicle accident	500 000	0	0
East York	89.09.25	Detached dwelling	Accidental	900 000	7	0
Port Colborne	89.09.27	Commercial watercraft	Misuse of source of ignition	1 500 000	0	0
Thunder Bay	89.10.01	Warehousing and storage, machinery	Accidental	500 000	1	0
Hamilton	89.10.03	Commercial, unclassified	Unknown	1 195 000	2	0
Port Colborne	89.10.06	Radio transmission site, tower	Accidental	550 000	0	0
Hamilton	89.10.07	Warehousing and storage, empty	Unknown	605 000	0	0
Amaranth	89.10.12	Manufacturing, unclassified	Unknown	750 000	0	0
Kenora District	89.10.14	Detached dwelling	Unknown	550 000	0	0
Fenelon	89.10.28	Marine terminal	Unknown	900 000	0	0
North Bay	89.10.31	Elementary school	Arson	500 000	1	0
Kingston	89.11.08	Barn, animal shelter	Arson	1 000 000	0	0
Cornwall	89.11.10	Paint, wallpaper store	Accidental	600 000	1	0
Sault Ste. Marie	89.11.12	Restaurant	Accidental	500 000	0	0
Toronto	89.11.19	Attached dwelling	Arson	710 000	5	0
Thunder Bay	89.11.25	Commercial, unclassified	Unknown	2 150 000	0	0
Toronto	89.11.28	General business office	Arson	750 000	0	0
Toronto	89.12.03	Florist	Unknown	775 000	1	0
Etobicoke	89.12.04	Commercial, unclassified	Construction deficiency	750 000	0	0
Fort Francis	89.12.07	Restaurant	Unknown	600 000	1	0
Smiths Falls	89.12.08	Metal manufacturing, processing	Unknown	750 000	0	0
Sturgeon Falls	89.12.11	Commercial, unclassified	Unknown	503 500	1	0
Sudbury	89.12.13	Multiple occupancy dwelling	Arson	700 000	2	0
Nickel Centre	89.12.17	Bridge, overpass	Arson	500 000	0	0
North York	89.12.17	Processing, meat, poultry or fish	Accidental	1 000 000	3	0
Blind River	89.12.19	Tavern, beer parlour	Arson	500 000	0	0
Norwich	89.12.22	Processing, grain products	Unknown	1 000 000	0	0
Toronto	89.12.23	Rooming, boarding house	Arson	1 600 000	17	10
Brantford	89.12.27	Manufacturing, wearing apparel	Unknown	1 000 000	0	0

Table 8(h) Prince Edward Island

Location	Date	Property/Classification	Act or Omission	Casualties		
				Dollar Loss	Injuries	Deaths
None						

Table 8(i) Quebec

Location	Date	Property/Classification	Act or Omission	Casualties		
				Dollar Loss	Injuries	Deaths
Sainte-Foy	89.01.01	School	Not reported	1 500 000	0	0
Sorel	89.01.01	Restaurant, tavern	Not reported	1 221 970	0	0
Verdun	89.01.02	Manufacturing, clothing, shoes	Not reported	843 128	0	0
La Baie	89.01.02	Church	Not reported	500 000	0	0
Saint-Jérôme	89.01.05	Manufacturing, metal, appliances	Not reported	700 000	0	0
Joliette	89.01.06	Warehousing, appliances, machinery	Not reported	543 400	0	0
Mont-Saint-Gregoire	89.01.07	Farm building	Not reported	552 786	0	0
Montreal	89.01.12	Shed, conveyor	Not reported	566 000	0	0
Saint-Hyacinthe	89.01.14	Hospital	Not reported	800 000	0	0
Saint-Léonard	89.01.20	Community centre	Not reported	510 000	0	0
Lac-Mégantic	89.01.26	Unclassified	Not reported	507 908	0	0
Saint-Jérôme	89.01.29	Hospital	Not reported	2 000 000	0	0
Montreal	89.01.29	Apartment	Not reported	500 000	0	0
Sainte-Marie	89.02.04	Furniture, appliance store	Not reported	787 000	0	0
Grande-Rivière	89.02.05	Hotel	Not reported	557 000	0	0
Chibougamau	89.02.07	Manufacturing, wood, paper	Not reported	1 300 000	0	0
Montreal	89.02.09	Apartment	Not reported	1 400 000	0	0
Saint-Étienne-de-Beaumont	89.02.21	Storage, agricultural products	Not reported	650 000	0	0
Boisbriand	89.03.02	Manufacturing, vehicle accessories	Not reported	700 000	0	0
La Pocatière	89.03.17	Office building	Not reported	2 561 090	0	0
Montreal	89.03.18	Furniture, appliance store	Not reported	1 090 000	0	0
Saint-Romain	89.03.23	Manufacturing, wood, paper	Not reported	997 000	0	0
Montreal	89.03.30	Church	Not reported	525 000	0	0
Amos	89.04.02	Clothing store	Not reported	693 000	0	0
Outremont	89.04.12	Processing, food products	Not reported	1 741 499	0	0
Saint-Romain	89.04.24	Manufacturing, wood, paper	Not reported	500 000	0	0
Saint-Césaire	89.04.24	Grocery store	Not reported	849 850	0	0
Gatineau	89.04.30	Grocery store	Not reported	812 000	0	0
Sainte-Catherine	89.05.02	Vehicle storage	Not reported	1 000 000	0	0
Greenfield Park	89.05.07	Apartment building	Not reported	900 000	2	1
Sherbrooke	89.05.16	Furniture, appliance store	Not reported	602 000	0	0

Table 8(i) Quebec (con't)

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Casualties	
					Injuries	Deaths
Quebec	89.05.18	Dry cleaning, repairs	Not reported	1 100 000	1	0
Montreal	89.05.19	Apartment building	Not reported	500 000	2	0
Montreal	89.06.01	Car dealer	Not reported	4 500 000	1	0
Saint-Jérôme	89.06.04	Grocery store	Not reported	714 422	0	0
Lévis-Lauzon	89.06.08	One or two family dwelling	Not reported	654 523	1	0
Montreal	89.06.10	Restaurant, tavern	Not reported	1 000 000	12	4
Hudson	89.06.15	Hotel	Not reported	847 000	1	0
Saint-Jérôme	89.06.17	Office building	Not reported	705 200	0	0
L'Étang-du-Nord	89.06.20	Processing, food products	Not reported	2 140 536	0	0
Sainte-Foy	89.06.27	School	Not reported	500 000	0	0
Lacolle	89.07.08	Furniture, appliance store	Not reported	1 167 730	0	0
Dollard-des-Ormeaux	89.07.11	Apartment building	Not reported	500 000	0	0
Montreal	89.07.27	Utility station	Not reported	2 000 000	0	0
Bromont	89.08.06	Grocery store	Not reported	1 500 000	0	0
Chambly	89.09.09	Storage, material, clothing	Not reported	1 200 000	0	0
Drummondville	89.10.03	Manufacturing, wood, paper	Not reported	920 000	0	0
La Pocatière	89.10.06	Unclassified	Not reported	2 500 000	0	0
Saint-Georges	89.10.09	Hotel	Not reported	500 000	0	0
Louiseville	89.10.14	Grocery store	Not reported	903 599	0	0
Quebec	89.10.22	Restaurant, tavern	Not reported	690 800	1	0
Akulivik	89.10.28	Vehicle storage	Not reported	1 006 183	0	0
Repentigny	89.10.29	Furniture, appliance store	Not reported	600 000	0	0
La Pocatière	89.11.09	School	Not reported	500 000	0	0
Mont-Royal	89.11.14	Storage, clothing, material	Not reported	500 000	0	0
Parent	89.11.15	School	Not reported	700 000	0	0
Saint-Joseph-de-Maskinongé	89.11.19	Farm building	Not reported	675 000	0	0
Sainte-Sophie	89.11.24	Farm building	Not reported	700 000	0	0
Montreal	89.11.24	Apartment building	Not reported	500 000	1	0
Cabano	89.12.06	Manufacturing, wood, paper	Not reported	566 000	0	0
Drummondville	89.12.07	Storage, wood, paper	Not reported	1 200 000	0	0
Bromont	89.12.08	Apartment building	Not reported	2 552 000	0	0
Grand-Mère	89.12.13	Manufacturing, wood, paper	Not reported	2 000 000	0	0
Gatineau	89.12.16	One or two family dwelling	Not reported	716 375	0	0
Ivry-sur-le-lac	89.12.21	Unclassified	Not reported	3 000 000	0	0
Montreal	89.12.21	Apartment building	Not reported	1 100 000	0	0
Montreal	89.12.26	Unclassified	Not reported	900 000	0	0
Saint-Germain-de-Grantham	89.12.28	One or two family dwelling	Not reported	500 000	0	0
Sainte-Hénédine	89.12.30	Farm building	Not reported	590 000	0	0

Table 8(j) Saskatchewan

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Casualties	
					Injuries	Deaths
Humboldt	89.01.30	Apartment with business	Unknown	1 004 500	0	0
Humboldt	89.03.31	Church	Arson	628 000	0	0
Regina	89.04.02	Refinery	Part failure	3 000 000	0	0
Saskatoon	89.04.29	Iron/steel manufacturing	Unknown	3 700 000	0	0
Regina	89.06.26	Refinery	Unknown	4 000 000	0	0
Pense	89.06.30	Public rink	Children playing with	750 000	0	0
Kindersley	89.12.12	Various businesses	Unknown	6 502 000	0	0
Prince Albert	89.12.27	Various businesses	Unknown	1 272 000	2	0

Table 8(k) Northwest Territories

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Casualties	
					Injuries	Deaths
Akisa	89.08.03	Transmission tower	Arson	1 000 000	0	0
Ankni Inlet	89.10.08	Restaurant	Arson	500 000	0	0

Table 8(l) Yukon

Location	Date	Property/Classification	Act or Omission	Dollar Loss	Casualties	
					Injuries	Deaths
Watson Lake	89.06.25	Sawmill	Open fire	750 000	0	0

Table 8(m) National Defence

Location	Date	Property/Classification	Act or Omission	Casualties		
				Dollar Loss	Injuries	Deaths
CFB Suffield	89.11.27	Military barracks	Unknown	2 000 000	0	0

Table 8(n) Federal Jurisdiction

Location	Date	Property/Classification	Act or Omission	Casualties		
				Dollar Loss	Injuries	Deaths
Zeballos	89.07.25	Wharf	Unknown	2 000 000	0	0
La Pocatière	89.10.06	Sheep barn	Unknown	1 650 000	0	0
Kingston	89.11.08	Dairy barn	Unknown	2 000 000	0	0

## APPENDIX

### FEDERAL, PROVINCIAL AND TERRITORIAL FIRE MARSHALS AND FIRE COMMISSIONERS

Mr. A.S. Bartlett  
Fire Commissioner  
Department of Environment and Public Safety  
1870 Albert St.  
5th Floor  
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S4P 3V7

Mr. Jean-Guy Delage  
Fire Marshal  
Ministry of Public Security  
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Ste. Foy, Québec  
G1V 2L2

Mr. C.R. Kennedy  
Fire Marshal  
Dept. Of Municipal Affairs  
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11 Kent Street  
Charlottetown, Prince Edward Island  
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Mr. C. Bell  
Fire Marshal  
Fire Prevention Service  
Government Of N.W.T.  
4916-49th Street  
Yellowknife, Northwest Territories  
X1A 2L9

Mr. R. Dumala  
Fire Commissioner  
Ministry Of Municipal Affairs  
Recreation and Culture  
800 Johnson Street, 3rd floor  
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V8V 1X4

Mr. T. Makey  
Fire Commissioner  
Alberta Labour  
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T5K 0G2

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Fire Commissioner  
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**Mr. Medley Carr**  
Fire Marshal  
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**Mr. T.J. Dunfield**  
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