

Fire Losses in Garages in Alberta 2000 - 2009

Selection criterion: Includes property class coded as 7820 "Garage" - General Auto Parking. Includes parking of automobiles of different ownership under the direction of one management, parking in open lots (including apartments), special dwellings and other areas.

Alberta Fire Reporting Manual: http://www.aema.alberta.ca/ps_fire_reporting.cfm > page18

Source: Office of the Fire Commissioner, Alberta Municipal Affairs

Year	No. of Fires	%	Deaths	Injuries	\$Losses
2000	8	3	0	0	163,087
2001	13	5	0	0	96,452
2002	7	2	0	0	143,818
2003	3	1	0	0	64,050
2004	14	5	0	0	402,922
2005	13	5	0	1	529,001
2006	51	18	0	1	295,604
2007	37	13	0	0	337,111
2008	71	25	0	1	905,683
2009	65	23	0	1	1,134,240
Total	282	100	0	4	4,071,968

Fire Losses in Garages in Alberta 2000 - 2009

Includes property class coded as 7820 Garage - General Auto Parking. Includes parking of automobiles of different ownership under the direction of one management, parking in open lots (including apartments), special dwellings and other areas.

By Major Occupancy

Source: Office of the Fire Commissioner, Alberta Municipal Affairs

Major Occupancy = Major Occupancy-Undetermined

Year	No. of Fires	Deaths	Injuries	\$Losses
2006	2	0	0	39,100
2007	1	0	0	200,000
2008	2	0	0	152
Total	5	0	0	239,252

Fire Losses in Garages in Alberta 2000 - 2009

Includes property class coded as 7820 Garage - General Auto Parking. Includes parking of automobiles of different ownership under the direction of one management, parking in open lots (including apartments), special dwellings and other areas.

By Major Occupancy

Source: Office of the Fire Commissioner, Alberta Municipal Affairs

Major Occupancy = Assembly Use

Year	No. of Fires	Deaths	Injuries	\$Losses
2001	1	0	0	20,500
2004	1	0	0	1
2007	2	0	0	9,000
2008	1	0	0	150
Total	5	0	0	29,651

Fire Losses in Garages in Alberta 2000 - 2009

Includes property class coded as 7820 Garage - General Auto Parking. Includes parking of automobiles of different ownership under the direction of one management, parking in open lots (including apartments), special dwellings and other areas.

By Major Occupancy

Source: Office of the Fire Commissioner, Alberta Municipal Affairs

Major Occupancy = Residential Use

Year	No. of Fires	Deaths	Injuries	\$Losses
2000	5	0	0	137,587
2001	7	0	0	58,552
2002	2	0	0	140,667
2003	2	0	0	64,000
2004	2	0	0	13,010
2005	1	0	0	1
2006	4	0	0	27,655
2007	5	0	0	4,900
2008	4	0	0	6,800
2009	9	0	1	355,235
Total	41	0	1	808,407

Fire Losses in Garages in Alberta 2000 - 2009

Includes property class coded as 7820 Garage - General Auto Parking. Includes parking of automobiles of different ownership under the direction of one management, parking in open lots (including apartments), special dwellings and other areas.

By Major Occupancy

Source: Office of the Fire Commissioner, Alberta Municipal Affairs

Major Occupancy = Business Use

Year	No. of Fires	Deaths	Injuries	\$Losses
2001	1	0	0	500
2002	1	0	0	300
2005	1	0	0	7,000
2006	1	0	0	3,000
Total	4	0	0	10,800

Fire Losses in Garages in Alberta 2000 - 2009

Includes property class coded as 7820 Garage - General Auto Parking. Includes parking of automobiles of different ownership under the direction of one management, parking in open lots (including apartments), special dwellings and other areas.

By Major Occupancy

Source: Office of the Fire Commissioner, Alberta Municipal Affairs

Major Occupancy = Mercantile Use

Year	No. of Fires	Deaths	Injuries	\$Losses
2001	1	0	0	700
2003	1	0	0	50
2004	1	0	0	500
2006	1	0	0	501
2007	1	0	0	3,001
2008	3	0	0	20,950
2009	1	0	0	250
Total	9	0	0	25,952

Fire Losses in Garages in Alberta 2000 - 2009

Includes property class coded as 7820 Garage - General Auto Parking. Includes parking of automobiles of different ownership under the direction of one management, parking in open lots (including apartments), special dwellings and other areas.

By Major Occupancy

Source: Office of the Fire Commissioner, Alberta Municipal Affairs

Major Occupancy = Manufacturing Use

Year	No. of Fires	Deaths	Injuries	\$Losses
2008	3	0	0	900
Total	3	0	0	900

Fire Losses in Garages in Alberta 2000 - 2009

Includes property class coded as 7820 Garage - General Auto Parking. Includes parking of automobiles of different ownership under the direction of one management, parking in open lots (including apartments), special dwellings and other areas.

By Major Occupancy

Source: Office of the Fire Commissioner, Alberta Municipal Affairs

Major Occupancy = Storage Use

Year	No. of Fires	Deaths	Injuries	\$Losses
2004	1	0	0	30,000
2005	1	0	0	30,000
2009	2	0	0	107,000
Total	4	0	0	167,000

Fire Losses in Garages in Alberta 2000 - 2009

Includes property class coded as 7820 Garage - General Auto Parking. Includes parking of automobiles of different ownership under the direction of one management, parking in open lots (including apartments), special dwellings and other areas.

By Major Occupancy

Source: Office of the Fire Commissioner, Alberta Municipal Affairs

Major Occupancy = Other Special Use

Year	No. of Fires	Deaths	Injuries	\$Losses
2000	3	0	0	25,500
2001	3	0	0	16,200
2002	4	0	0	2,851
2004	9	0	0	359,411
2005	10	0	1	492,000
2006	41	0	1	215,347
2007	28	0	0	120,210
2008	51	0	1	574,729
2009	48	0	0	549,886
Total	197	0	3	2,356,134

Fire Losses in Garages in Alberta 2000 - 2009

Includes property class coded as 7820 Garage - General Auto Parking. Includes parking of automobiles of different ownership under the direction of one management, parking in open lots (including apartments), special dwellings and other areas.

By Major Occupancy

Source: Office of the Fire Commissioner, Alberta Municipal Affairs

Major Occupancy = Major Occupancy-Bldg/Structure Unclassified

Year	No. of Fires	Deaths	Injuries	\$Losses
2006	2	0	0	10,001
2008	7	0	0	302,002
2009	5	0	0	121,869
Total	14	0	0	433,872

Fire Losses in Garages in Alberta 2000 - 2009

Includes property class coded as 7820 Garage - General Auto Parking. Includes parking of automobiles of different ownership under the direction of one management, parking in open lots (including apartments), special dwellings and other areas.

By Source of Ignition

Source: Office of the Fire Commissioner, Alberta Municipal Affairs

Source of Ignition	No. of Fires	%	Deaths	Injuries	\$Losses
Smoker's Material/Open Flame-Unclass.	34	12	0	0	254,751
Igniting Object-Unknown	32	11	0	0	710,638
Match	31	11	0	0	266,522
Internal Combustion Engine	27	10	0	0	296,188
Exposure From 'Open' Rubbish/Camp Fire	14	5	0	0	169,398
Misc.Igniting Object-Unclassified	14	5	0	1	100,555
Cigarette	13	5	0	0	16,603
Exposure From Vehicle	11	4	0	1	345,311
Low Voltage Wiring	11	4	0	0	112,350
Permanent Electrical Wiring/Cable	10	4	0	0	112,501
Battery/Rectifier/Charger	10	4	0	0	202,756
Exposure Unclassified/Unknown	8	3	0	0	46,800
Elect. Distribution-Unclassified	6	2	0	0	78,301
Exposure From Detached Structure Fire	6	2	0	0	68,600
Match/Lighter Cannot Be Determined	5	2	0	0	153,001
Heating Equipment-Unclassified	5	2	0	0	291,300
Elect. Equip.-Unclassified	5	2	0	0	10,601
Extension Cord	4	1	0	1	52,600

Source of Ignition	No. of Fires	%	Deaths	Injuries	\$Losses
Exposure From Grass/Shrub/Brush Fire	3	1	0	0	40,158
Portable Space Heater	3	1	0	0	10,500
Smoker's Material Cannot Be Determined	3	1	0	0	301
Hot Ashes/Embers (Not From Smoking)	3	1	0	0	267,719
Temporary Electrical Wiring/Cable	2	1	0	0	15,201
Stationary Space/Room Heater	2	1	0	0	25,000
Torch, Other Than Cutting, Welding	2	1	0	0	800
Match/Lighter (Not With Smoking)	2	1	0	0	120,010
Exposure From Attached Structure Fire	2	1	0	0	5,400
Lighter	2	1	0	0	151
Chemical Reaction/Spontaneous Comb.	2	1	0	0	44,000
Fluorescent Lamp/Ballast	1	0	0	0	50
Ashtray	1	0	0	0	400
Machinery/Equip./Commercial And Indust.	1	0	0	0	185,000
Central Heating Unit, Furnace/Boiler	1	0	0	0	7,500
Transformer	1	0	0	0	1,000
Cigar	1	0	0	0	5,500
Tar Pot	1	0	0	0	501
Bearing/Conveyor/Brake/Belting	1	0	0	0	1
Wood Stove	1	0	0	0	4,000
Halogen Lamp-Incls. Fixture	1	0	0	1	50,000

Source of Ignition	No. of Fires	%	Deaths	Injuries	\$Losses
Total	282	100	0	4	4,071,968

Fire Losses in Garages in Alberta 2000 - 2009

Includes property class coded as 7820 Garage - General Auto Parking. Includes parking of automobiles of different ownership under the direction of one management, parking in open lots (including apartments), special dwellings and other areas.

By Act or Omission

Source: Office of the Fire Commissioner, Alberta Municipal Affairs

Act or Omission	No. of Fires	%	Deaths	Injuries	\$Losses
Suspected Arson	77	27	0	0	769,257
Mech./Elec. Failure/Malfunction- Unclassified	32	11	0	0	505,904
Electrical Short Circuit	28	10	0	1	485,267
Act or Omission-Cannot Be Determined	23	8	0	1	852,739
Part Failure, Leak, Break	21	7	0	1	407,652
Ignorance of Hazard	17	6	0	1	263,701
Smokers" Material	14	5	0	0	17,652
Vandalism, Mischief-No Charges Laid	8	3	0	0	4,832
Mech./Elec. Failure/Malfunction-Cannot Be Determined	7	2	0	0	125,104
Human Failing-Unclassified	7	2	0	0	81,621
Backfire (engine)	6	2	0	0	8,103
Miscellaneous Act or Omission- Unclassified	5	2	0	0	2,650
Arson or Other Set Fires-Cannot Be	5	2	0	0	42,010

Act or Omission	No. of Fires	%	Deaths	Injuries	\$Losses
Determined					
Combustible Placed Too Close to Heat	4	1	0	0	56,200
Act or Omission-Not Applicable	4	1	0	0	1,506
Construction Deficiency	2	1	0	0	104,000
Arson-For Vengeful/Spiteful Purposes	2	1	0	0	25,390
Distracted, Preoccupied	2	1	0	0	50,000
Arson-For Fraudulent Purposes	1	0	0	0	11,001
Accident	1	0	0	0	500
Arson-For Obscuring Other Crimes	1	0	0	0	120,000
Misuse of Source of Ignition-Unclassified	1	0	0	0	12,000
Fuel Spilled Accidentally	1	0	0	0	7,500
Temporary Loss of Judgement	1	0	0	0	1,000
Welding or Cutting Too Close	1	0	0	0	500
Misuse of Source of Ignition-Cannot Be Determined	1	0	0	0	4,100
Misuse of Equipment-Unclassified	1	0	0	0	100
Inadequate Control of "Open" fire	1	0	0	0	28,108
Arson or Other Set Fires-Unclassified	1	0	0	0	1
Automobile Accident	1	0	0	0	1
Improper Storage	1	0	0	0	25,000
Arson-To Satisfy Compulsive Desires	1	0	0	0	150
Part Worn Out	1	0	0	0	300
Misuse of Mat. Ignited-Unclassified	1	0	0	0	150

Act or Omission	No. of Fires	%	Deaths	Injuries	\$Losses
Playing With Source (Child age unknown)	1	0	0	0	250
Woodburning Appliance	1	0	0	0	57,719
Total	282	100	0	4	4,071,968

Fire Losses in Garages in Alberta 2000 - 2009

Includes property class coded as 7820 Garage - General Auto Parking. Includes parking of automobiles of different ownership under the direction of one management, parking in open lots (including apartments), special dwellings and other areas.

By Material 1st Ignited

Source: Office of the Fire Commissioner, Alberta Municipal Affairs

Material 1st Ignited	No. of Fires	%	Deaths	Injuries	\$Losses
Electric Insulation in Electric Equip.	34	12	0	0	520,790
Material First Ignited-Misc.-Unknown	29	10	0	0	792,758
Wastepaper	26	9	0	0	23,432
Gasoline	24	9	0	0	214,207
Garbage, Trash, Rubbish	22	8	0	0	263,933
Plastics-Not Cellulose Nitrate	17	6	0	0	268,811
Material First Ignited-Misc.-Unclassified	16	6	0	1	496,342
Wood/Wooden Items/Plywood	11	4	0	0	25,302
Paper Stock	7	2	0	0	11,320
Chemicals/Plastics/Metals-Unclassified	7	2	0	0	6,850
Cardboard, Cardboard Items	7	2	0	0	21,355
Mattress/Pillow	5	2	0	0	29,050

Material 1st Ignited	No. of Fires	%	Deaths	Injuries	\$Losses
Exterior Wall Cover, Eave	5	2	0	1	278,300
Insulation-Plastic	5	2	0	0	21,300
Fabric-Synthetic Inc. Finished Goods	5	2	0	0	83,250
Building Components-Unclassified	4	1	0	0	217,200
Flammable Gas-Unclassified	4	1	0	0	35,101
Grass, Brush, Leaves	4	1	0	0	31,759
Flammable/Combustible Liquid-Unclassif.	4	1	0	0	112,500
Propane	3	1	0	1	51,300
Clothing/Textiles-Unclassified	3	1	0	0	41,201
Motor Oil	3	1	0	0	2,601
Furniture-Upholstered	2	1	0	0	6,500
Floor Covering-Carpet/Rug	2	1	0	0	501
Wood/Paper Products-Unclassified	2	1	0	0	650
Paper/Packing Material	2	1	0	0	7,150
Furniture-Not Upholstered	2	1	0	0	91,000
Magnesium And Alloys	2	1	0	0	301
Transmission Fluid	2	1	0	0	10,000
Bedding	2	1	0	0	110,000
Rubber-Natural/Synthetic(Tire Etc.)	2	1	0	0	32,000
Insulation-Mineral	1	0	0	0	2,001
Wood/Paper Products-Cannot Be Determined	1	0	0	0	50

Material 1st Ignited	No. of Fires	%	Deaths	Injuries	\$Losses
Acetylene	1	0	0	0	300
Natural Gas	1	0	0	0	7,500
Exterior Trim/Appurtenance	1	0	0	0	300
Agricultural/Forestry Products-Unknown	1	0	0	0	4,100
Tar/Asphalt	1	0	0	0	501
Building Components-Cannot Be Determined	1	0	0	0	35,000
Kerosene	1	0	0	0	20,000
Brake Or Hydraulic Fluid	1	0	0	1	35,000
Peat	1	0	0	0	1,000
Fire Logs	1	0	0	0	4,000
Oily Rags/Paint Rags Etc.	1	0	0	0	25,000
Wood Shavings	1	0	0	0	150
Paint/Varnish	1	0	0	0	19,000
Ceiling Cover-High Density	1	0	0	0	6,000
Diesel	1	0	0	0	105,000
Sulpher, Gun Powder	1	0	0	0	301
Interior Wall Cover-Not Plastic	1	0	0	0	1
Total	282	100	0	4	4,071,968

Fire Losses in Garages in Alberta 2000 - 2009

Includes property class coded as 7820 Garage - General Auto Parking. Includes parking of automobiles of different ownership under the direction of one management, parking in open lots (including apartments), special dwellings and other areas.

By Area of Origin

Source: Office of the Fire Commissioner, Alberta Municipal Affairs

Area of Origin	No. of Fires	%	Deaths	Injuries	\$Losses
Vehicle: Engine Area/Running Gear/Wheels	61	22	0	1	646,827
Vehicle: Passenger Area	37	13	0	0	514,742
Vehicle (garage)	31	11	0	1	940,661
Parking Area	28	10	0	0	181,262
Outside Area-Unclassified	26	9	0	1	21,601
Vehicle Area-Unclassified	18	6	0	0	190,013
Trash/Rubbish Area	18	6	0	0	4,126
Vehicle: Cargo Area	9	3	0	0	95,351
Exterior Wall	7	2	0	1	308,450
Vehicle: Fuel area/Fuel line	7	2	0	0	228,500
Area of Origin-Unknown	5	2	0	0	140,608
Vehicle: Control Area/Dash	5	2	0	0	38,451
Storage Area-Unclassified	4	1	0	0	145,100
Structural Area-Unclassified	3	1	0	0	148,455
Supplies/Equipment Area	3	1	0	0	7,901
Stairway, Interior	2	1	0	0	1,150
Lobby, Entrance Way	2	1	0	0	751
Records Storage/Vault	2	1	0	0	9,000

Area of Origin	No. of Fires	%	Deaths	Injuries	\$Losses
Court/Patio/Terrace	1	0	0	0	250
Exterior Roof	1	0	0	0	200
Service Shaft	1	0	0	0	100,000
Awning/Canopy	1	0	0	0	50
Closet/Lockers	1	0	0	0	30,000
Maintenance/Repair/Welding Shop	1	0	0	0	10,000
Washroom/Locker room	1	0	0	0	54,000
Open area/Lawn/Field/Park	1	0	0	0	185,000
Laundry Area	1	0	0	0	1,000
Hallway, Corridor	1	0	0	0	300
Office	1	0	0	0	3,000
Storage Area	1	0	0	0	1,500
Ceiling and Roof/Ceiling Space-Attic	1	0	0	0	6,000
Chimney/Flue Pipe/Gas Vent	1	0	0	0	57,719
Total	282	100	0	4	4,071,968