

Fire Losses in Vacant Residential Properties in Alberta 2000-2009

Includes: 8350=Vacant Property, Property without Contents; 8360=Unoccupied Property - unoccupied over 30 days, non-seasonal use. Property left unoccupied over 30 days other than seasonal residences. 8390=Under Construction or Demolition - Vacant - unclassified or unknown.

Additional criteria to be met: Major Occupancy=RESIDENTIAL USE: 31 Residential - row, garden, town housing, condominium OR 32 Residential - apartment, tenement OR 34 Residential - single detached OR 35 Residential - duplex, 3-plex, 4-plex, semi-detached OR 38 Residential - mobile home/trailer park OR 39 Residential - with business/mercantile, up to 3 stories.

Code reference: [Fire Reporting Manual](#)

Source: Office of the Fire Commissioner, Alberta Municipal Affairs

Property class: Vacant Property, Property Without Contents

Year	No. of Fires	Deaths	Injuries	\$ Losses
2000	30	0	1	452,649
2001	24	0	1	562,822
2002	20	0	0	465,101
2003	25	0	0	359,681
2004	15	0	1	250,726
2005	15	0	0	884,003
2006	21	0	0	1,625,859
2007	4	0	0	18,001
2008	3	0	0	99,049
Total	157	0	3	4,717,891

Fire Losses in Vacant Residential Properties in Alberta 2000-2009

Property class: Unoccupied Property (unoccupied over 30 days)

Year	No. of Fires	Deaths	Injuries	\$Losses
2001	4	0	0	218,000
2002	4	0	0	25,500
2003	9	0	0	384,113
2004	9	0	0	665,483
2005	13	0	0	675,198
2006	15	0	1	691,809
2007	4	0	0	130,001
2008	3	0	0	160,001
2009	1	0	0	9,819
Total	62	0	1	2,959,924

Fire Losses in Vacant Residential Properties in Alberta 2000 - 2009

Property class: Under Construction or Demolition-Vacant-Unclassified

Year	No. of Fires	Deaths	Injuries	\$Losses
2000	1	0	0	10,001
2005	1	0	0	3,000
2006	1	0	0	10,000
2007	2	0	0	5,500
2008	1	0	0	15,000
Total	6	0	0	43,501

Fire Losses in Vacant Residential Properties in Calgary/Edmonton 2000 - 2009

Additional criteria to be met: Major Occupancy=RESIDENTIAL USE: 31 Residential - row, garden, town housing, condominium OR 32 Residential - apartment, tenement OR 34 Residential - single detached OR 35 Residential - duplex, 3-plex, 4-plex, semi-detached OR 38 Residential - mobile home/trailer park OR 39 Residential - with business/mercantile, up to 3 stories

Source: Office of the Fire Commissioner, Alberta Municipal Affairs

Calgary, Property class= Vacant Property, Property Without Contents

Year	No. of Fires	Deaths	Injuries	\$Losses
2000	4	0	0	1,012
2001	2	0	0	1,001
2002	4	0	0	2,202
2003	4	0	0	84,002
2004	4	0	0	105,502
2005	3	0	0	3
2007	2	0	0	10,001
Total	23	0	0	203,723

Fire Losses in Vacant Residential Properties in Calgary/Edmonton 2000 - 2009

Calgary, Property class= Unoccupied Property (unoccupied over 30 days)

Year	No. of Fires	Deaths	Injuries	\$Losses
2003	2	0	0	49,000
2004	1	0	0	500
Total	3	0	0	49,500

Fire Losses in Vacant Residential Properties in Calgary/Edmonton 2000 - 2009

Edmonton, Property class= Vacant Property, Property Without Contents

Year	No. of Fires	Deaths	Injuries	\$Losses
2000	8	0	0	125,022
2001	8	0	1	143,253
2002	7	0	0	205,899
2003	9	0	0	97,928
2004	3	0	1	25,123
2005	4	0	0	121,000
2006	8	0	0	326,201
Total	47	0	2	1,044,426

Fire Losses in Vacant Residential Properties in Calgary/Edmonton 2000 - 2009

Edmonton, Property class= Unoccupied Property (unoccupied over 30 days)

Year	No. of Fires	Deaths	Injuries	\$Losses
2001	1	0	0	70,000
2002	1	0	0	5,000
2003	5	0	0	319,113
2004	1	0	0	28,000
2005	1	0	0	30,000
2006	1	0	0	10
2008	2	0	0	125,001
Total	12	0	0	577,124

FIRE CAUSES

Fire Losses in Vacant Residential Properties in Alberta 2000 - 2009

Source: Office of the Fire Commissioner, Alberta Municipal Affairs

Property class= Vacant Property, Property Without Contents

Source of Ignition	No. of Fires	Deaths	Injuries	\$Losses
Igniting Object-Unknown	84	0	0	2,637,599
Match/Lighter Cannot Be Determined	20	0	1	1,014,734
Match/Lighter (Not With Smoking)	7	0	1	356,202
Match	11	0	0	133,515
Exposure From Grass/Shrub/Brush Fire	9	0	0	92,470
Cigarette	5	0	0	2,252
Exposure From Detached Structure Fire	3	0	0	9,751
Lighter	3	0	1	201,001
Smoker's Material Cannot Be Determined	1	0	0	20,000
Smoker's Material/Open Flame-Unclass.	2	0	0	10,001
Smoker's Material	2	0	0	100,800
Cooking Equipment-Unclassified	1	0	0	10
Exposure From 'Open' Rubbish/Camp Fire	1	0	0	1
Elect. Distribution-Unclassified	1	0	0	12,099
No Igniting Object	1	0	0	2,000
Stove/Top Burner (other circumstances)	1	0	0	52,355
Fireplace	1	0	0	20,000
Wood Stove	1	0	0	100

Ashtray	1	0	0	1
Exposure Unclassified/Unknown	1	0	0	50,000
Extension Cord	1	0	0	3,000
Total	157	0	3	4,717,891

Fire Losses in Vacant Residential Properties in Alberta 2000 - 2009

Property class= Unoccupied Property (unoccupied over 30 days)

Source of Ignition	No. of Fires	Deaths	Injuries	\$Losses
Igniting Object-Unknown	34	0	0	1,252,328
Match/Lighter Cannot Be Determined	10	0	1	557,425
Match/Lighter (Not With Smoking)	5	0	0	156,700
Match	1	0	0	125,000
Cigarette	1	0	0	1,000
Exposure From Detached Structure Fire	2	0	0	14,000
Lighter	1	0	0	55,000
Central Heating Unit, Furnace/Boiler	3	0	0	254,358
Smoker's Material Cannot Be Determined	1	0	0	61,000
Permanent Electrical Wiring/Cable	1	0	0	99,113
Heating Equipment-Unclassified	1	0	0	240,000
Heat Tape/Trace	1	0	0	54,000
Construction Site Wiring/Field Wiring	1	0	0	90,000
Total	62	0	1	2,959,924

Fire Losses in Vacant Residential Properties in Alberta 2000 - 2009

Property class= Under Construction or Demolition-Vacant-Unclassified.

Source of Ignition	No. of Fires	Deaths	Injuries	\$Losses
Igniting Object-Unknown	2	0	0	20,001
Match/Lighter Cannot Be Determined	1	0	0	500
Match/Lighter (Not With Smoking)	2	0	0	20,000
Cigarette	1	0	0	3,000
Total	6	0	0	43,501

Fire Losses in Vacant Residential Properties in Alberta 2000 - 2009

Property class= Vacant Property, Property Without Contents

Act or Omission	No. of Fires	Deaths	Injuries	\$Losses
Arson or Other Set Fires-Cannot Be Determined	43	0	2	1,099,040
Suspected Arson	32	0	0	1,494,386
Act or Omission-Cannot Be Determined	27	0	0	995,684
Vandalism, Mischief-No Charges Laid	21	0	0	340,205
Smokers'' Material	5	0	0	2,252
Arson-For Vengeful/Spiteful Purposes	5	0	0	304,751
Inadequate Control of "open" fire	4	0	0	49,001
Arson or Other Set Fires-Unclassified	2	0	0	101
Electrical Short Circuit	1	0	0	12,099
Ignorance of Hazard	4	0	0	95,369

Mech./Elec. Failure/Malfunction-Cannot Be Determined	1	0	0	94,000
Playing With Source (Child age unknown)	2	0	1	70,001
Vandalism, Mischief-Charges Laid	2	0	0	60,000
Part Failure, Leak, Break	1	0	0	3,000
Impaired (suspect alcohol/drugs/medicn.)	2	0	0	25,000
Misuse of Source of Ignition-Unclassified	1	0	0	1
Arson-To Satisfy Compulsive Desires	1	0	0	1,000
Miscellaneous Act or Omission-Unclassified	1	0	0	2,000
Act or Omission-Not Applicable	1	0	0	70,000
Asleep (suspect alcohol/drugs/medic.)	1	0	0	1
Total	157	0	3	4,717,891

Fire Losses in Vacant Residential Properties in Alberta 2000 - 2009

Property class= Unoccupied Property (unoccupied over 30 days)

Act or Omission	No. of Fires	Deaths	Injuries	\$Losses
Arson or Other Set Fires-Cannot Be Determined	16	0	0	572,000
Suspected Arson	23	0	0	1,216,209
Act or Omission-Cannot Be Determined	8	0	0	204,201
Vandalism, Mischief-No Charges Laid	4	0	1	63,029
Smokers" Material	1	0	0	1,000
Arson-For Vengeful/Spiteful Purposes	1	0	0	500
Electrical Short Circuit	3	0	0	243,113

Mech./Elec. Failure/Malfunction-Cannot Be Determined	1	0	0	240,000
Playing With Source (Child age unknown)	1	0	0	104,514
Part Failure, Leak, Break	2	0	0	239,358
Impaired (suspect alcohol/drugs/medicn.)	1	0	0	61,000
Part Worn Out	1	0	0	15,000
Total	62	0	1	2,959,924

Fire Losses in Vacant Residential Properties in Alberta 2000 - 2009

Property class= Under Construction or Demolition-Vacant-Unclass.

Act or Omission	No. of Fires	Deaths	Injuries	\$Losses
Suspected Arson	1	0	0	10,000
Smokers'' Material	1	0	0	3,000
Arson or Other Set Fires-Unclassified	2	0	0	5,500
Mech./Elec. Failure/Malfunction-Cannot Be Determined	1	0	0	10,001
Vandalism, Mischief-Charges Laid	1	0	0	15,000
Total	6	0	0	43,501

Fire Losses in Vacant Residential Properties in Alberta 2000 - 2009

Property class= Vacant Property, Property Without Contents

Material 1st Ignited	No. of Fires	Deaths	Injuries	\$Losses
Material First Ignited-Misc.-Unknown	83	0	0	2,623,387
Garbage, Trash, Rubbish	15	0	0	414,010
Exterior Wall Cover, Eave	10	0	0	77,504
Building Components-Cannot Be Determined	7	0	0	191,469
Mattress/Pillow	4	0	0	81,220
Wastepaper	4	0	0	116,001
Gasoline	2	0	0	184,000
Furniture-Upholstered	2	0	0	30,100
Wood/Paper Products-Cannot Be Determined	2	0	0	180,200
Floor Covering-Wood	3	0	0	40,001
Flammable/Combustible Liquid-Unknown	3	0	1	145,000
Interior Wall Cover-Not Plastic	3	0	0	12,600
Building Component-Wall	1	0	0	80,000
Paper Stock	1	0	1	1
Wood/Wooden Items/Plywood	1	0	0	10
Wood/Paper Products-Unclassified	2	0	0	101
Furniture/Furnishings-Cannot Be Determined	1	0	0	95,000
Building Components-Unclassified	2	0	0	10,010

Floor Covering-Lino/Tile/Plastic	2	0	0	166,000
Clothing-Synthetic	2	0	0	95,921
Grass, Brush, Leaves	1	0	0	3,000
Fuel Oil: Grades 1-6/Kerosene	1	0	1	1
Roof Covering-Wood	1	0	0	500
Plastics-Not Cellulose Nitrate	1	0	0	52,355
Building Component-Floor/Ceiling/Roof	1	0	0	4,000
Flammable Liq.(Flash Pt=>37c):Lubric.Oil	1	0	0	30,000
Floor Covering-Carpet/Rug	1	0	0	85,500
Total	157	0	3	4,717,891

Fire Losses in Vacant Residential Properties in Alberta 2000 - 2009

Property class= Unoccupied Property (unoccupied over 30 days)

Material 1st Ignited	No. of Fires	Deaths	Injuries	\$Losses
Material First Ignited-Misc.-Unknown	36	0	0	1,947,234
Exterior Wall Cover, Eave	2	0	0	19,819
Building Components-Cannot Be Determined	1	0	0	35,000
Mattress/Pillow	2	0	0	56,000
Wastepaper	1	0	0	500
Gasoline	2	0	0	130,000
Furniture-Upholstered	2	0	0	66,000
Wood/Paper Products-Cannot Be Determined	2	0	0	30,200

Floor Covering-Wood	1	0	0	54,000
Building Component-Wall	2	0	0	15,500
Paper Stock	2	0	1	57,000
Wood/Wooden Items/Plywood	1	0	0	99,113
Furniture-Not Upholstered	2	0	0	34,000
Furniture/Furnishings-Cannot Be Determined	1	0	0	57,000
Grass, Brush, Leaves	1	0	0	1,200
Electric Insulation In Electric Equip.	1	0	0	45,000
Clothing/Textiles-Cannot Be Determined	1	0	0	28,000
Ceiling Cover-High Density	1	0	0	194,358
Insulation-Plastic	1	0	0	90,000
Total	62	0	1	2,959,924

Fire Losses in Vacant Residential Properties in Alberta 2000 - 2009

Property class= Under Construction or Demolition-Vacant-Unclass.

Material 1st Ignited	No. of Fires	Deaths	Injuries	\$Losses
Material First Ignited-Misc.-Unknown	4	0	0	40,001
Garbage, Trash, Rubbish	1	0	0	3,000
Wastepaper	1	0	0	500
Total	6	0	0	43,501

Fire Losses in Vacant Residential Properties in Edmonton/Calgary 2000 - 2009

Edmonton, property class= Vacant Property, Property Without Contents

Source of Ignition	No. of Fires	Deaths	Injuries	\$Losses
Igniting Object-Unknown	28	0	0	670,684
Match/Lighter Cannot Be Determined	9	0	0	250,633
Match/Lighter (Not With Smoking)	3	0	1	202
Cigarette	1	0	0	50
Exposure From Grass/Shrub/Brush Fire	2	0	0	501
Lighter	1	0	1	1
Smoker's Material Cannot Be Determined	1	0	0	20,000
Stove/Top Burner (other circumstances)	1	0	0	52,355
Exposure Unclassified/Unknown	1	0	0	50,000
Total	47	0	2	1,044,426

Edmonton, property class= Unoccupied Property (unoccupied over 30 days)

Source of Ignition	No. of Fires	Deaths	Injuries	\$Losses
Igniting Object-Unknown	5	0	0	50,011
Match/Lighter Cannot Be Determined	4	0	0	178,000
Match	1	0	0	125,000
Match/Lighter (Not With Smoking)	1	0	0	125,000
Permanent Electrical Wiring/Cable	1	0	0	99,113
Total	12	0	0	577,124

Calgary, property class=Vacant Property, Property Without Contents

Source of Ignition	No. of Fires	Deaths	Injuries	\$Losses
Igniting Object-Unknown	4	0	0	1,003
Match/Lighter Cannot Be Determined	2	0	0	105,001
Match	9	0	0	90,515
Cigarette	3	0	0	2,201
Lighter	1	0	0	1,000
Exposure From Detached Structure Fire	1	0	0	4,000
Exposure From 'Open' Rubbish/Camp Fire	1	0	0	1
Ashtray	1	0	0	1
Smoker's Material/Open Flame-Unclass.	1	0	0	1
Total	23	0	0	203,723

Calgary, property class= Unoccupied Property (unoccupied over 30 days)

Source of Ignition	No. of Fires	Deaths	Injuries	\$Losses
Match/Lighter (Not With Smoking)	1	0	0	500
Exposure From Detached Structure Fire	1	0	0	4,000
Central Heating Unit, Furnace/Boiler	1	0	0	45,000
Total	3	0	0	49,500

Edmonton, property class= Vacant Property, Property Without Contents

Act or Omission	No. of Fires	Deaths	Injuries	\$Losses
Arson or Other Set Fires-Cannot Be Determined	22	0	1	388,538
Act or Omission-Cannot Be Determined	17	0	0	540,626
Suspected Arson	2	0	0	1,010
Vandalism, Mischief-No Charges Laid	2	0	0	20,200
Smokers" Material	1	0	0	50
Inadequate Control of "Open" fire	1	0	0	1
Mech./Elec. Failure/Malfunction-Cannot Be Determined	1	0	0	94,000
Playing With Source (Child age unknown)	1	0	1	1
Total	47	0	2	1,044,426

Edmonton, property class= Unoccupied Property (unoccupied over 30 days)

Act or Omission	No. of Fires	Deaths	Injuries	\$Losses
Arson or Other Set Fires-Cannot Be Determined	7	0	0	403,000
Act or Omission-Cannot Be Determined	1	0	0	5,000
Suspected Arson	2	0	0	70,001
Vandalism, Mischief-No Charges Laid	1	0	0	10
Electrical Short Circuit	1	0	0	99,113
Total	12	0	0	577,124

Calgary, property class= Vacant Property, Property Without Contents

Act or Omission	No. of Fires	Deaths	Injuries	\$Losses
Act or Omission-Cannot Be Determined	1	0	0	1,000
Suspected Arson	9	0	0	84,515
Vandalism, Mischief-No Charges Laid	5	0	0	115,003
Smokers" Material	4	0	0	2,202
Arson-To Satisfy Compulsive Desires	1	0	0	1,000
Ignorance of Hazard	1	0	0	1
Arson-For Vengeful/Spiteful Purposes	1	0	0	1
Asleep (suspect alcohol/drugs/medicn.)	1	0	0	1
Total	23	0	0	203,723

Calgary, property class= Unoccupied Property (unoccupied over 30 days)

Act or Omission	No. of Fires	Deaths	Injuries	\$Losses
Suspected Arson	2	0	0	4,500
Part Failure, Leak, Break	1	0	0	45,000
Total	3	0	0	49,500

Edmonton, property class= Vacant Property, Property Without Contents

Material 1st Ignited	No. of Fires	Deaths	Injuries	\$Losses
Material First Ignited-Misc.-Unknown	30	0	0	854,123
Garbage, Trash, Rubbish	4	0	0	2,003
Mattress/Pillow	2	0	0	80,010
Exterior Wall Cover, Eave	1	0	0	1
Wastepaper	1	0	0	1
Wood/Paper Products-Cannot Be Determined	1	0	0	200
Fuel Oil: Grades 1-6/Kerosene	1	0	1	1
Roof Covering-Wood	1	0	0	500
Furniture-Upholstered	1	0	0	100
Plastics-Not Cellulose Nitrate	1	0	0	52,355
Building Components-Unclassified	1	0	0	10
Flammable/Combustible Liquid-Unknown	1	0	0	30,000
Paper Stock	1	0	1	1

Clothing-Synthetic	1	0	0	25,121
Total	47	0	2	1,044,426

Edmonton, property class= Unoccupied Property (unoccupied over 30 days)

Material 1st Ignited	No. of Fires	Deaths	Injuries	\$Losses
Material First Ignited-Misc.-Unknown	7	0	0	290,011
Gasoline	2	0	0	130,000
Wood/Paper Products-Cannot Be Determined	1	0	0	30,000
Wood/Wooden Items/Plywood	1	0	0	99,113
Clothing/Textiles-Cannot Be Determined	1	0	0	28,000
Total	12	0	0	577,124

Calgary, property class= Vacant Property, Property Without Contents

Material 1st Ignited	No. of Fires	Deaths	Injuries	\$Losses
Material First Ignited-Misc.-Unknown	4	0	0	1,003
Garbage, Trash, Rubbish	8	0	0	11,006
Mattress/Pillow	2	0	0	1,210
Exterior Wall Cover, Eave	2	0	0	4,001
Wastepaper	1	0	0	105,000
Gasoline	1	0	0	1,000
Interior Wall Cover-Not Plastic	2	0	0	501
Building Component-Wall	1	0	0	80,000
Floor Covering-Wood	1	0	0	1

Wood/Paper Products-Unclassified	1	0	0	1
Total	23	0	0	203,723

Calgary, property class= Unoccupied Property (unoccupied over 30 days)

Material 1st Ignited	No. of Fires	Deaths	Injuries	\$Losses
Material First Ignited-Misc.-Unknown	1	0	0	4,000
Wastepaper	1	0	0	500
Electric Insulation In Electric Equip.	1	0	0	45,000
Total	3	0	0	49,500