

LAKE JOHANNA FIRE DEPARTMENT

2017 ANNUAL FIRE REPORT



**REPORT PREPARED BY:
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FIRE CHIEF**

Lake Johanna Fire Department

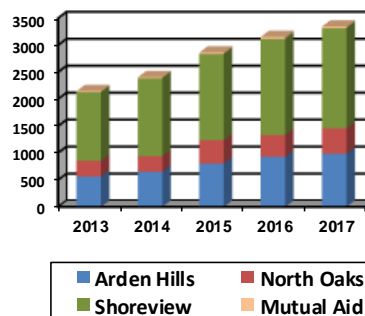
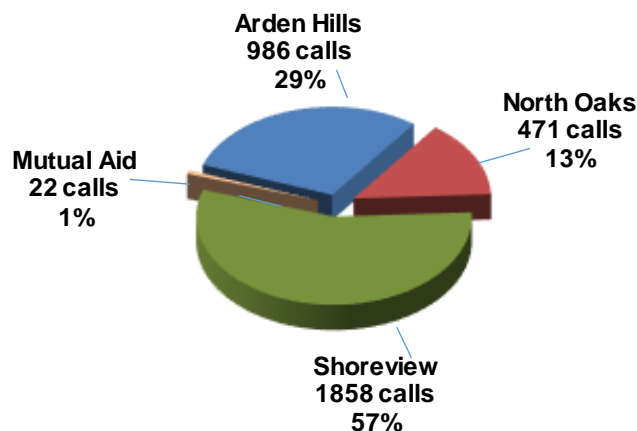
2017 Annual Fire Report

In 2017 the Lake Johanna Fire Department responded to 3,347 calls for service which is an increase of 197 calls from the previous year. We assisted neighboring Fire Departments a total of 22 times. Automatic Aid/Mutual Aid sent us to the following Cities:

Roseville- 14 calls	New Brighton- 3 calls
Vadnais Heights- 5 calls	White Bear Lake- 2 calls
Little Canada- 4 calls	Lino Lakes- 1 calls

CALLS PER CITY

	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>
ARDEN HILLS:	561	651	804	930	986
NORTH OAKS:	293	289	434	406	471
SHOREVIEW:	1275	1449	1597	1784	1858
MUTUAL AID:	16	17	27	22	22
Other:				9	10
TOTALS:	2145	2406	2875	3151	3347



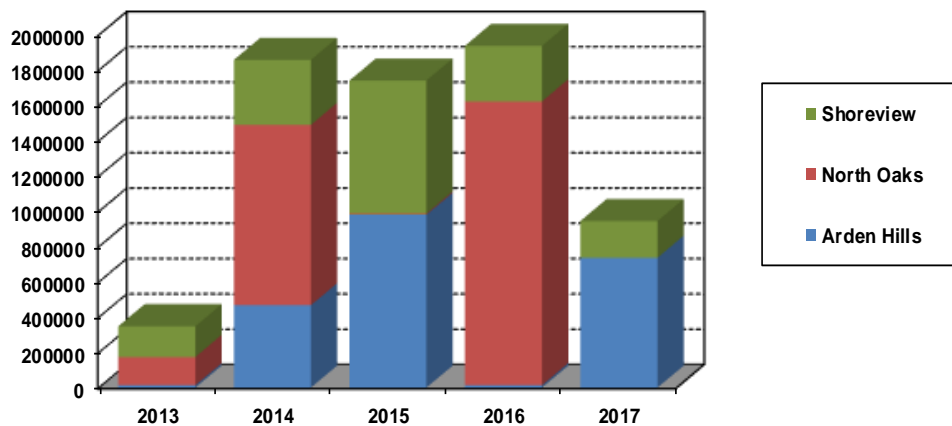
City of Shoreview calls for service increased by 74 calls which works out to be 55.5% of total calls for 2017. The City of Arden Hills accounted for 29.4% of the calls, up by 57 calls over last year. The City of North Oaks had an increase of 65 calls in 2017 which represents 14% of the total calls.

ESTIMATED FIRE DOLLAR LOSS

	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>
ARDEN HILLS:	\$ 13,750	\$467,380	\$980,400	\$ 14,100	\$736,200
NORTH OAKS:	\$ 160,050	\$1,021,991	\$6,300	\$1,608,074	\$0
SHOREVIEW:	\$ 174,287	\$367,981	\$753,800	\$ 314,802	\$208,300
TOTALS:	\$ 348,087	\$1,857,352	\$1,740,500	\$1,936,976	\$944,500

The City of Arden Hills recorded \$736,200 in dollar loss for 2017. Shoreview's Fire Loss was \$208,300 and North Oaks had no dollar loss for the year.

ANNUAL DOLLAR LOSS COMPARISON



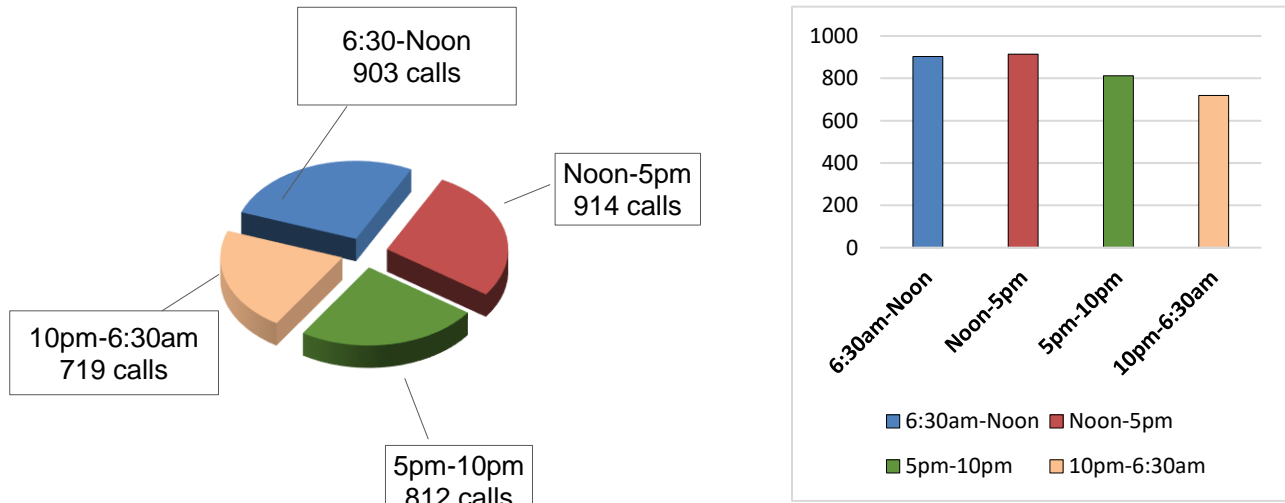
Over the last 5 years the cities combined average dollar loss from Fire was \$1,365,485.

In 2017, Building fires attributed for the majority of dollar loss totaling about \$929,000. The next highest loss total was from vehicle fires which totaled \$16,000.

THE DEPARTMENT RESPONSE

Shift crews handled 99.04% of the calls responding to 3,316 calls in 2017. Stations were called back to assist the Shift Crews 32 times throughout the year which is roughly 1% of the calls.

CALL BREAKDOWN BY SHIFTS



CALL OVERLAP

Numerous times each month we had multiple Fire/EMS calls that overlapped each other, here is a breakdown by month:

Jan	35 call overlaps / 282 calls	Jul	36 call overlaps / 297 calls
Feb	25 call overlaps / 238 calls	Aug	32 call overlaps / 285 calls
Mar	31 call overlaps / 268 calls	Sep	34 call overlaps / 247 calls
Apr	24 call overlaps / 287 calls	Oct	33 call overlaps / 278 calls
May	31 call overlaps / 301 calls	Nov	27 call overlaps / 276 calls
Jun	36 call overlaps / 292 calls	Dec	40 call overlaps / 296 calls

RESPONSE TIME

	<u>2015</u>	<u>2016</u>	<u>2017</u>
Emergency Response Time Average to Contract Cities	5:49	5:34	5:33

AVERAGE RESPONSE TIME BY CITY Emergency Calls Only

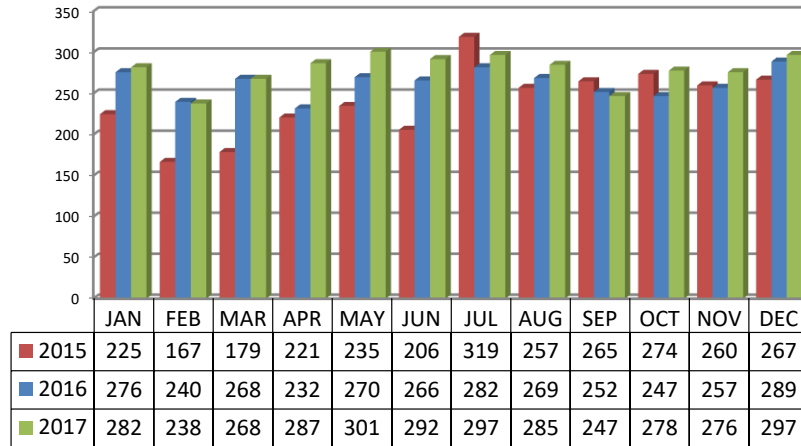
	Initial Response Avg. Response Time
Arden Hills	6:02
North Oaks	7:43
Shoreview	4:49
	5:33

North Oaks Average Response Time: 6:26 (excluding 5919 Centerville Rd.)

ANNUAL ALARM SUMMARY REPORT

Situation	Jan 17	Feb 17	Mar 17	Apr 17	May 17	Jun 17	Jul 17	Aug 17	Sept 17	Oct 17	Nov 17	Dec 17	Total
100 Series Fire	1	1	2	7	6	4	6	1	2	2	6	1	39
200 Series Overpressure Rupture, Explosion, Overheat(no fire)	0	0	0	0	0	1	0	0	0	0	2	0	3
300 Series Rescue & Emergency Medical Service Incident	222	191	208	216	211	204	215	222	187	209	207	221	2513
400 Series Hazardous Condition(No fire)	4	1	5	10	9	9	8	8	7	10	6	6	83
500 Series Service Call	9	3	4	12	11	14	12	3	14	9	12	16	119
600 Series Good Intent Call	35	36	38	29	49	42	43	37	23	35	29	33	429
700 Series False Alarm & False Call	11	6	10	13	15	18	13	14	14	13	14	19	160
800 Series Severe Weather & Natural Disaster	0	0	1	0	0	0	0	0	0	0	0	0	1
Grand Total	282	238	268	287	301	292	297	285	247	278	276	296	3347

CALLS BY MONTH

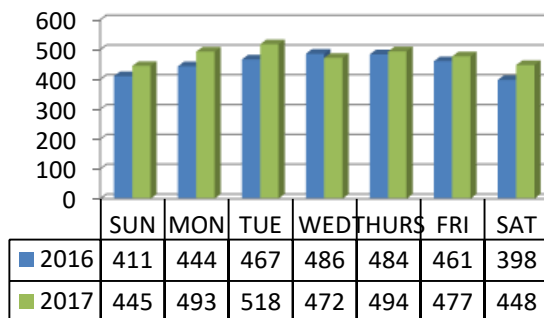


CALLS BY TIME OF DAY

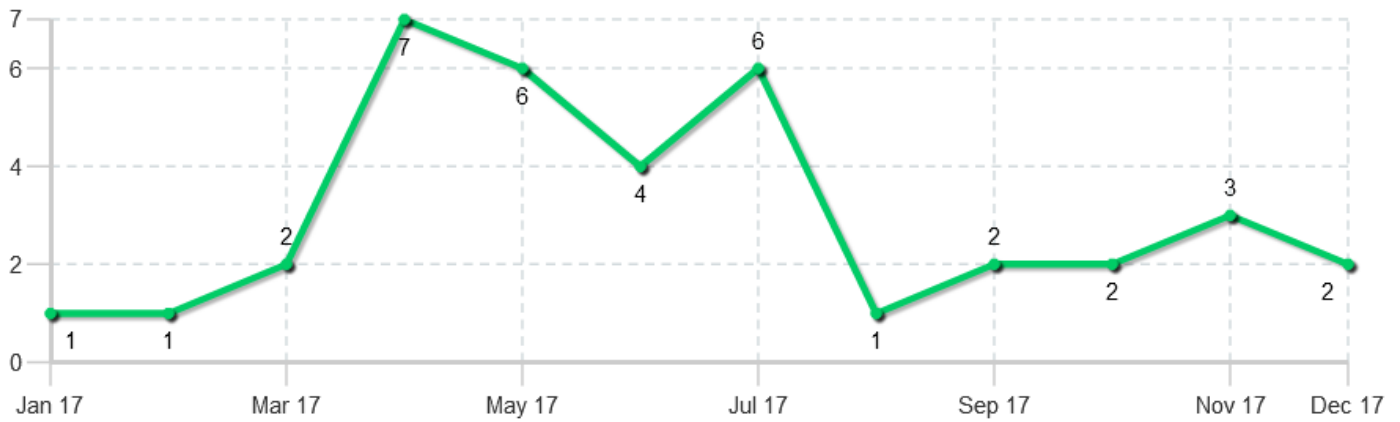
Districts	Time							Total
	12 AM To 4 AM	4 AM To 8 AM	8 AM To 12 PM	12 PM To 4 PM	4 PM To 8 PM	8 PM To 12 AM	*NA	
*NA	296	353	721	722	702	504	0	3298
1	0	0	0	1	0	0	0	1
2	0	6	5	4	2	0	0	17
3	1	4	4	4	2	0	0	15
4	1	1	7	4	1	2	0	16
Grand Total	298	364	737	735	707	506	0	3347

CALLS BY DAY OF WEEK

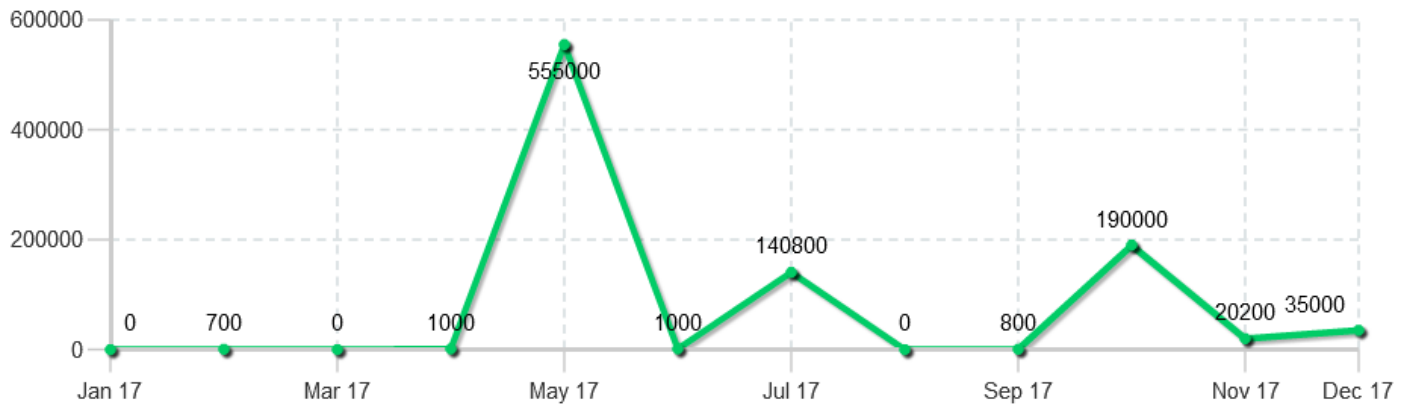
Districts	Days of Week								Total
	Sun	Mon	Tue	Wed	Thu	Fri	Sat	*NA	
*NA	440	486	517	465	481	464	445	0	3298
1	0	0	0	0	1	0	0	0	1
2	1	2	0	3	6	5	0	0	17
3	2	2	1	4	3	3	0	0	15
4	2	3	0	1	3	5	2	0	16
Grand Total	445	493	518	473	494	477	447	0	3347



FIRE INCIDENTS



FIRE DOLLAR LOSS BY MONTH



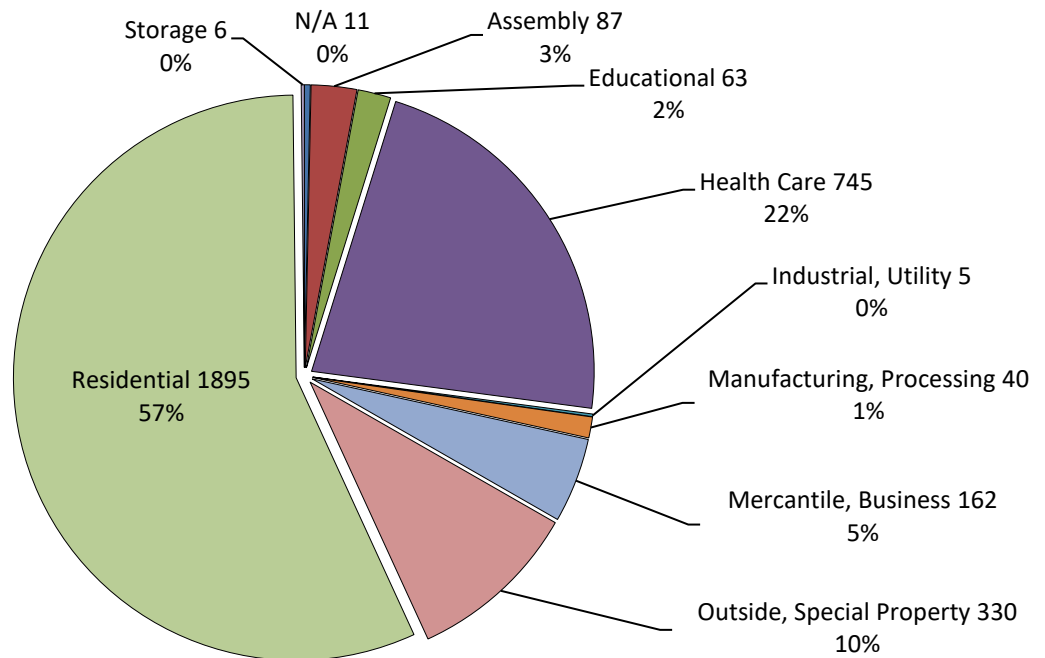
FIRES BY INCIDENT TYPE

Incident Type	Count	% of Incidents	Est. Property Loss	Est. Content Loss	Total Est. Loss	% of Losses
1 Fire						
Fire, other (100)	2	0.06%	\$0.00	\$0.00	\$0.00	0.00%
Building fire (111)	10	0.30%	\$511,000.00	\$220,000.00	\$731,000.00	95.74%
Cooking fire, confined to container (113)	3	0.09%	\$0.00	\$0.00	\$0.00	0.00%
Chimney or flue fire, confined to chimney or flue (114)	1	0.03%	\$0.00	\$400.00	\$400.00	0.05%
Trash or rubbish fire, contained (118)	1	0.03%	\$0.00	\$0.00	\$0.00	0.00%
Passenger vehicle fire (131)	7	0.21%	\$13,700.00	\$2,000.00	\$15,700.00	2.06%
Natural vegetation fire, other (140)	1	0.03%	\$0.00	\$0.00	\$0.00	0.00%
Forest, woods or wildland fire (141)	1	0.03%	\$0.00	\$0.00	\$0.00	0.00%
Brush or brush-and-grass mixture fire (142)	2	0.06%	\$0.00	\$0.00	\$0.00	0.00%
Grass fire (143)	2	0.06%	\$0.00	\$0.00	\$0.00	0.00%
Outside rubbish fire, other (150)	3	0.09%	\$0.00	\$0.00	\$0.00	0.00%
Outside rubbish, trash or waste fire (151)	3	0.09%	\$400.00	\$0.00	\$400.00	0.05%
Dumpster or other outside trash receptacle fire (154)	2	0.06%	\$0.00	\$0.00	\$0.00	0.00%
Special outside fire, other (160)	1	0.03%	\$0.00	\$0.00	\$0.00	0.00%
TOTAL	39	1.17%	\$525,100.00	\$222,400.00	\$747,500.00	97.90%

RESPONSE TO PROPERTY TYPES

(Annual Fires by General Property Use)

General Use	JAN 2017	FEB 2017	MAR 2017	APR 2017	MAY 2017	JUN 2017	JUL 2017	AUG 2017	SEPT 2017	OCT 2017	NOV 2017	DEC 2017	Total
*NA	2	1	2	0	0	1	2	0	0	1	0	1	10
Assembly	6	5	13	5	9	3	9	7	6	8	13	3	87
Educational	5	12	8	6	5	5	2	4	1	9	2	4	63
Health Care, Detention & Correction	58	56	61	69	71	54	70	55	53	62	62	74	745
Industrial, Utility, Defense, Agriculture, Mining	0	0	2	0	0	0	0	0	1	0	2	0	5
Manufacturing, Processing	7	5	6	2	5	1	3	2	0	4	2	3	40
Mercantile, Business	12	10	17	20	18	11	17	12	14	8	16	7	162
None	0	0	0	0	0	0	0	0	0	2	0	0	2
Outside or Special Property	19	16	26	28	34	44	36	38	18	32	14	25	330
Property Use, other	0	0	0	0	0	0	0	0	1	0	0	0	1
Residential	173	131	133	156	159	173	156	167	153	151	165	178	1895
Storage	0	1	0	1	0	0	2	0	0	1	0	1	6
Undetermined	0	1	0	0	0	0	0	0	0	0	0	0	1
Grand Total	282	238	268	287	301	292	297	285	247	278	276	296	3347



Of the 3,347 calls for service in 2017, 1895 of those calls were to **Residential** properties, the next highest category was **Health Care** facilities where we responded to 745 times; these include health clinics, senior assisted living apartments as well as nursing homes. **Outside, Special Properties** include calls to fires, accidents and EMS calls on roadways as well as open spaces, and parks that accounted for 330 of the calls for the year.

INCIDENT TYPE REPORT

Incident Type	Count	Percent
1 Fire		
Fire, other (100)	2	0.06%
Building fire (111)	11	0.33%
Cooking fire, confined to container (113)	3	0.09%
Chimney or flue fire, confined to chimney or flue (114)	1	0.03%
Trash or rubbish fire, contained (118)	1	0.03%
Passenger vehicle fire (131)	7	0.21%
Natural vegetation fire, other (140)	1	0.03%
Forest, woods or wildland fire (141)	1	0.03%
Brush or brush-and-grass mixture fire (142)	2	0.06%
Grass fire (143)	2	0.06%
Outside rubbish fire, other (150)	3	0.09%
Outside rubbish, trash or waste fire (151)	3	0.09%
Dumpster or other outside trash receptacle fire (154)	2	0.06%
Special outside fire, other (160)	1	0.03%
	40	1.20%
2 Overpressure Rupture, Explosion, Overheat(no fire)		
Excessive heat, scorch burns with no ignition (251)	3	0.09%
	3	0.09%
3 Rescue & Emergency Medical Service Incident		
Medical assist, assist EMS crew (311)	2349	70.18%
Emergency medical service, other (320)	3	0.09%
EMS call, excluding vehicle accident with injury (321)	6	0.18%
Motor vehicle accident with injuries (322)	122	3.65%
Motor vehicle/pedestrian accident (MV Ped) (323)	3	0.09%
Motor vehicle accident with no injuries. (324)	15	0.45%
Lock-in (if lock out , use 511) (331)	5	0.15%
Search for person on land (341)	1	0.03%
Extrication of victim(s) from vehicle (352)	6	0.18%
Removal of victim(s) from stalled elevator (353)	1	0.03%
Swimming/recreational water areas rescue (361)	1	0.03%
Rescue or EMS standby (381)	1	0.03%
	2513	75.09%
4 Hazardous Condition (No Fire)		
Hazardous condition, other (400)	5	0.15%
Combustible/flammable gas/liquid condition, other (410)	1	0.03%
Gasoline or other flammable liquid spill (411)	1	0.03%
Gas leak (natural gas or LPG) (412)	32	0.96%
Chemical hazard (no spill or leak) (421)	1	0.03%
Carbon monoxide incident (424)	8	0.24%
Electrical wiring/equipment problem, other (440)	3	0.09%
Heat from short circuit (wiring), defective/worn (441)	1	0.03%
Overheated motor (442)	1	0.03%
Power line down (444)	22	0.66%
Arcing, shorted electrical equipment (445)	3	0.09%
Accident, potential accident, other (460)	1	0.03%
Vehicle accident, general cleanup (463)	4	0.12%
	83	2.49%

Incident Type Report Continued

Incident Type	Count	Percent
5 Service Call		
Service Call, other (500)	6	0.18%
Service Call, Keybox Request (5009)	1	0.03%
Person in distress, other (510)	8	0.24%
Lock-out (511)	1	0.03%
Water problem, other (520)	1	0.03%
Water or steam leak (522)	1	0.03%
Smoke or odor removal (531)	16	0.48%
Animal rescue (542)	4	0.12%
Public service assistance, other (550)	11	0.33%
Assist police or other governmental agency (551)	10	0.30%
Public service (553)	8	0.24%
Assist invalid (554)	4	0.12%
Unauthorized burning (561)	31	0.93%
Cover assignment, standby, moveup (571)	16	0.48%
	118	3.54%
6 Good Intent Call		
Good intent call, other (600)	37	1.11%
Dispatched and cancelled en route (611)	344	10.28%
Wrong location (621)	1	0.03%
No incident found on arrival at dispatch address (622)	14	0.42%
Authorized controlled burning (631)	4	0.12%
Steam, other gas mistaken for smoke, other (650)	1	0.03%
Smoke scare, odor of smoke (651)	13	0.39%
Steam, vapor, fog or dust thought to be smoke (652)	7	0.21%
HazMat release investigation w/no HazMat (671)	8	0.24%
	429	12.83%
7 False Alarm & False Call		
False alarm or false call, other (700)	12	0.36%
Malicious, mischievous false call, other (710)	4	0.12%
Central station, malicious false alarm (714)	1	0.03%
Local alarm system, malicious false alarm (715)	1	0.03%
Smoke detector activation due to malfunction (733)	3	0.09%
Alarm system sounded due to malfunction (735)	38	1.14%
CO detector activation due to malfunction (736)	13	0.39%
Unintentional transmission of alarm, other (740)	1	0.03%
Sprinkler activation, no fire - unintentional (741)	1	0.03%
Smoke detector activation, no fire - unintentional (743)	12	0.36%
Alarm system activation, no fire - unintentional (745)	67	2.00%
Carbon monoxide detector activation, no CO (746)	7	0.21%
	160	4.79%
8 Severe Weather & Natural Disaster		
Wind storm, tornado/hurricane assessment (813)	1	0.03%
	1	0.03%
Total Incident Count:	3347	

2017 PUBLIC FIRE EDUCATION

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Yearly Totals
Scout Tours/Demos	1	1		3					1		1	1	8
Truck/Station Tours			1	2		1	6	4	3	14	1	1	33
Fire Extinguisher Training			1	7	1			1	1	1			12
Fire Drills										2			2
Parades					1	1	4	1					0
Fire Truck Rides					1	1							2
Block Parties							1	117	3				121
Misc	1		2		1	1	1	2	4	3	1	3	19
EMS Standby						2				1			3
Monthly Totals	2	1	4	12	4	6	12	125	12	21	3	5	207

2017 MONTHLY INSPECTION REPORT

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Yearly Totals
Plan Review	2		1	1		1				1			6
Sprinkler Plan Review	3	3	1	4	3	3	1	8	7	5	6	16	60
Alarm Plan Review	2	2	1		3			4	1	1	1	3	18
Daycare/Group Home			1	1	2	1							5
Commercial Inspection	22	5	8	24	24	26	20	40	33	20	18	17	257
Re-Inspections	1	2	2	1	7	6	9	7	17	14		15	81
Cert of Occupancy Inspection	2	2			2		1	1	1		2	2	13
Fire Code Complaint Inspection			1								1		2
Misc Inspection	1		1			1	1	1	2	1			8
Sprinkler/Fire Protection Inspection	18	1	3	1	10	8	3	10	12	10	5	5	86
Fire Alarm Inspection	5	3	6	3	4	4		1	1	5		3	35
School Inspection						1	1	1					3
Rental Inspection										5	8	7	20
Construction/Site Inspection	1	1		3	4	3	1	3	4	5	1	2	28
Temporary Membrane			2	1	1	2			2				8
Hoarding/Residential	3					1	1			1	1		7
Fireworks					1	2							3
Business Licensing Inspection												21	21
Monthly Totals	60	19	27	39	61	59	38	76	80	68	43	91	661