Annual Report

2016

STATISTICAL ABSTRACT ***VERSION 1.1 26-MAR-2016***

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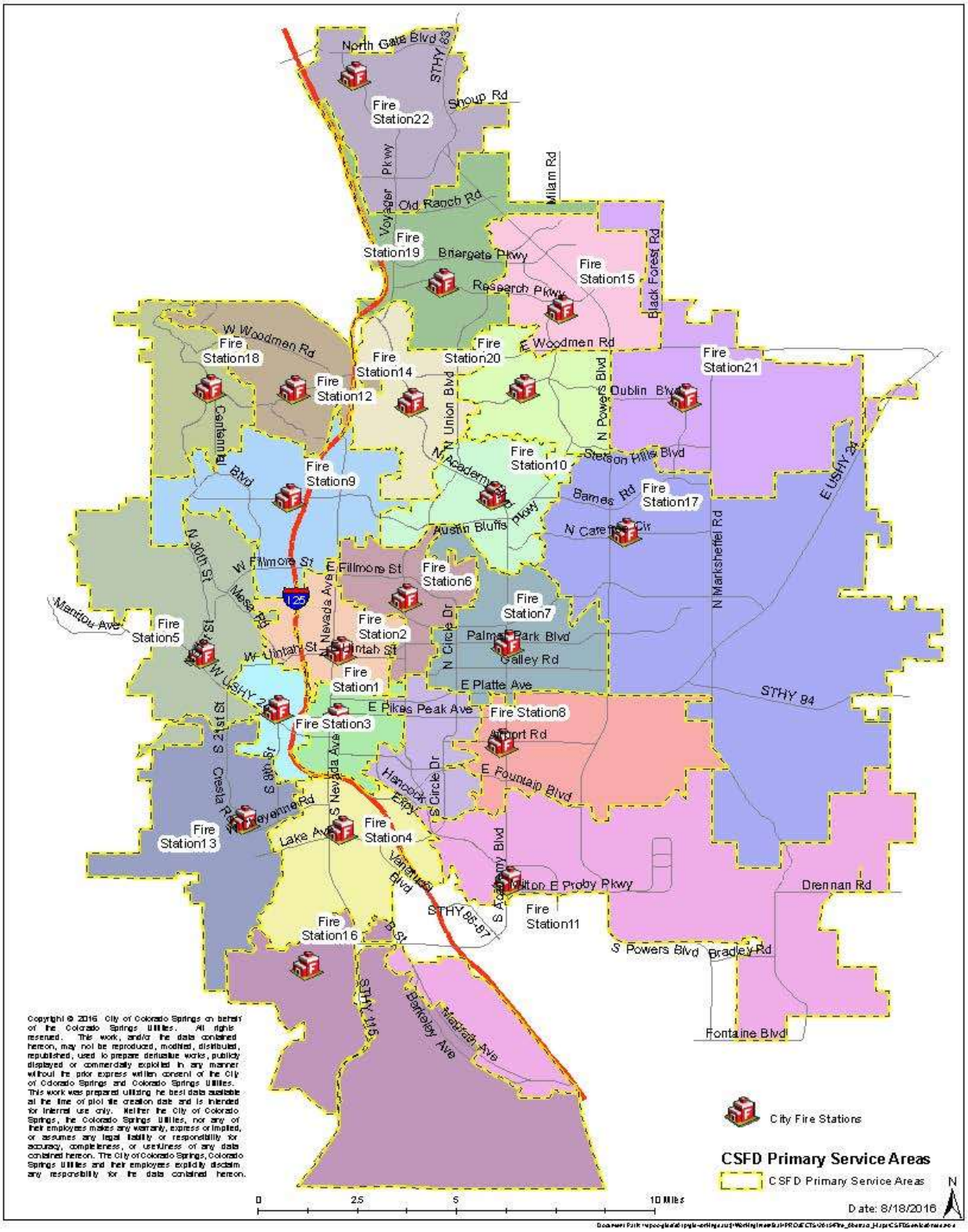
Department Highlights

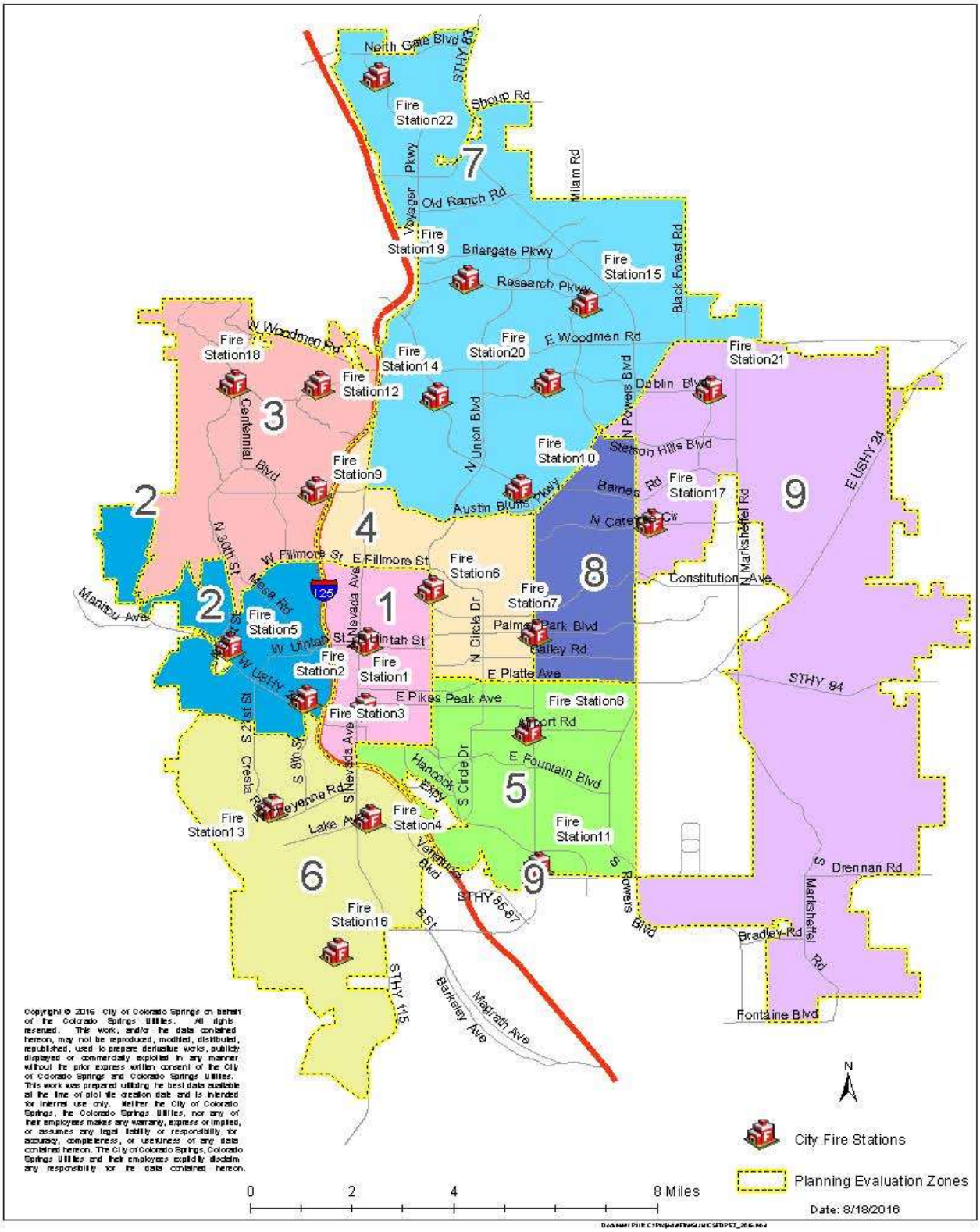
- Spring 2016-Training Division trained all fire companies during Annual Performance Evaluation in several buildings donated by Colorado College
- Jan 4th - Squad 11 full time ALS
- Jan 19th - Added a 4th Battalion District
- March 22nd - Fire Station 22 opened
- June 4th Residential Wildfire Evacuation Drill- Broadmoor/North Cheyenne Creek Neighborhoods
- July 28th Hailstorm noted as sixth-most damaging event in Colorado history
- August 26th Fuel Tractor Trailer rolls at the 900 block Motor City Way dumping thousands of gallons of diesel into the surrounding waterway which reached Fountain Creek
- September – Remodel of Fire Station #1 begins
- October 4th - Ted Collas sworn in as 17th Fire Chief of the Colorado Springs Fire Department
- Graduated 33 firefighters from 3 Training Academies
    - 4 – March 2016
    - 10 – July 2016
    - 19 – December 2016
- Kathy Hook named Educator of the Year Award –Large Agency

Service Area Maps

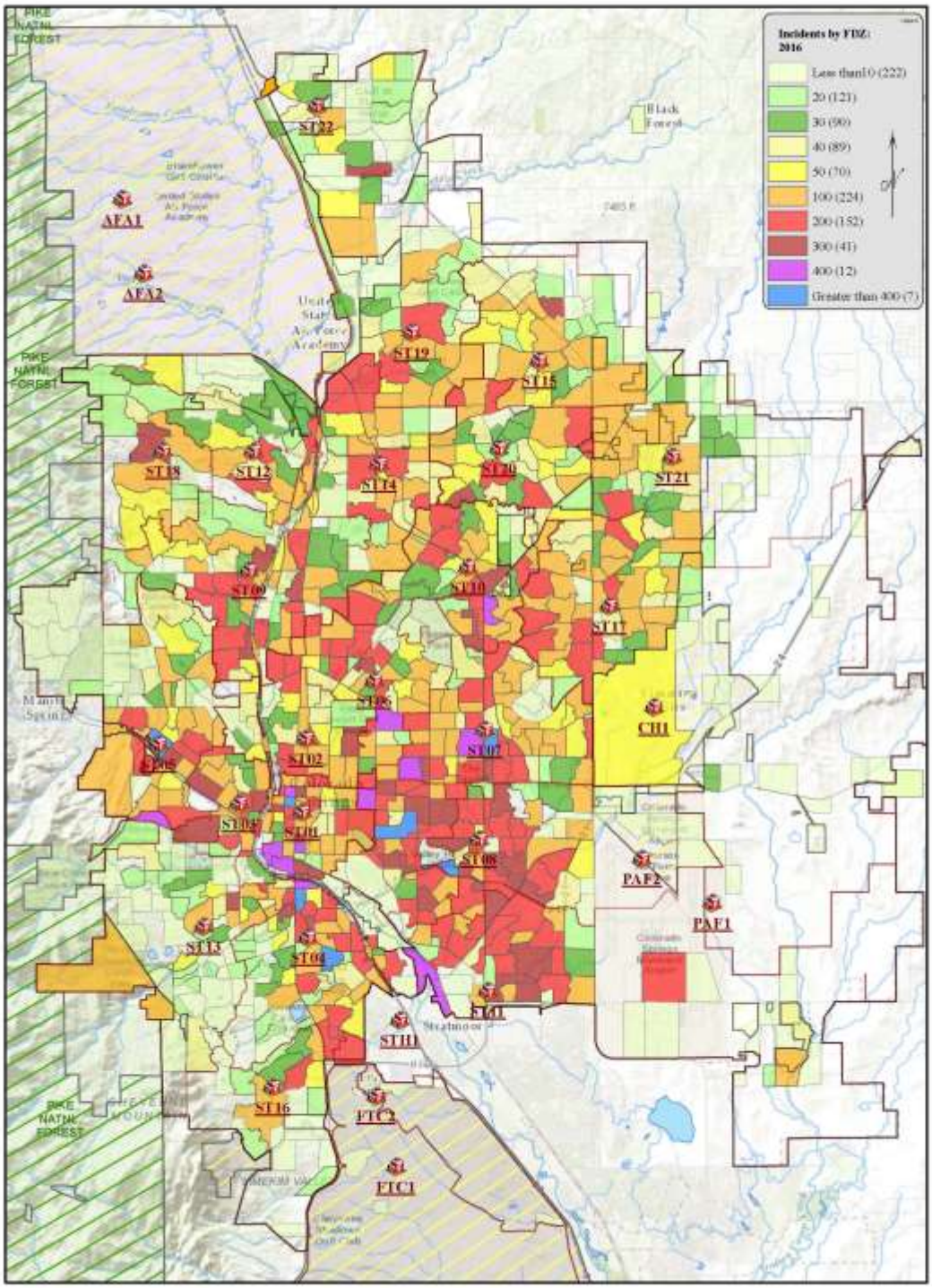


Fire Station Locations & First-Due Response Areas

CSFD Planning Evaluation Zones



Spatial Distribution of Incidents by FDZ



2016 Summary

Population: 463,555
Colorado Springs Area (in Sq. Miles): 195
Annual Budget: $64,490,250
Salary & Benefits: $56,523,799
Operations & Maintenance Budget: $4,022,703
Major Capital Budget: $2,144,748
Grants: $1,775,000 (Applied For)

Total personnel in Fire Department: 482.5
Total line personnel: 414
Daily staffing: 122

Number of:

Stations	Engines	Trucks	Squads	Hazmat	Heavy Rescue	Companies
23	22	6	3	2	1	34

Engine company with the most responses: Engine 8 - 4932 responses
Truck company with the most responses: Truck 8 - 2803 responses
Battalion Chief with the most responses: BC1 - 1110 responses
Heavy Rescue with the most responses: HR17 - 1320 responses
Squad with the most responses: S8 - 3715 responses
Hazmat company with the most responses: H14 - 303 responses
Station with the most responses: Station 8 - 8626 responses (E8+T8+BC2)
Still District with the most incidents: Station 7's district with 5859 incidents
Truck District with the most incidents: Truck District 8 with 17540 incidents

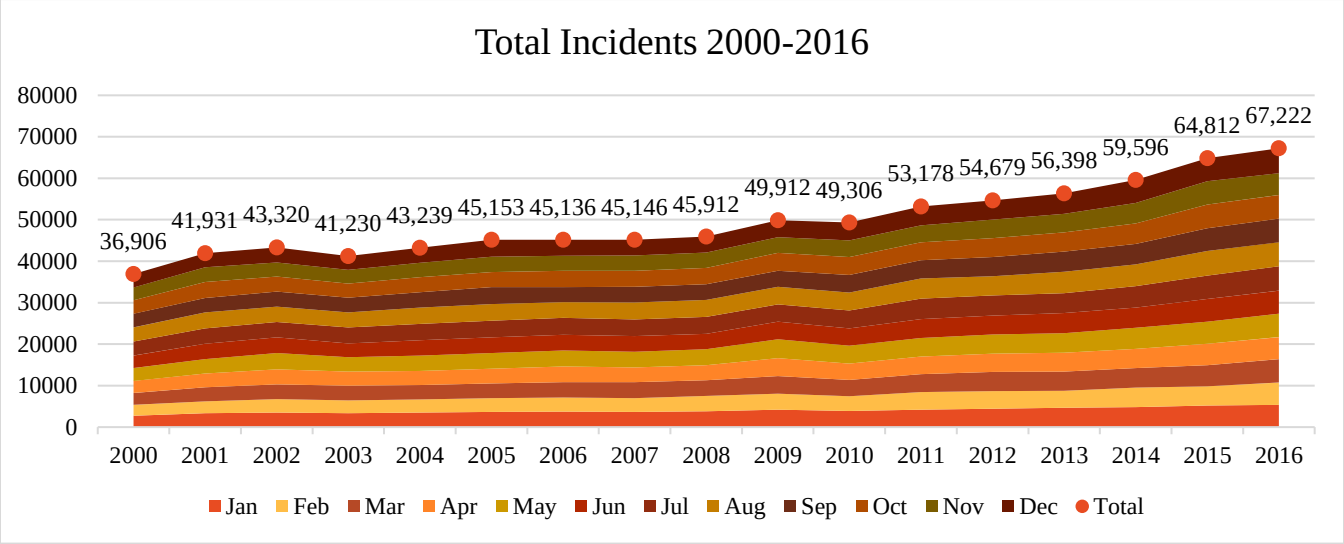
Total incidents: 67,222

Fire	Rupture	Rescue	Medical	Hazardous Conditions	Service Call	Good Intent	False Alarm	Severe Weather	Other
680	30	2820	42765	363	7458	9984	3060	13	49

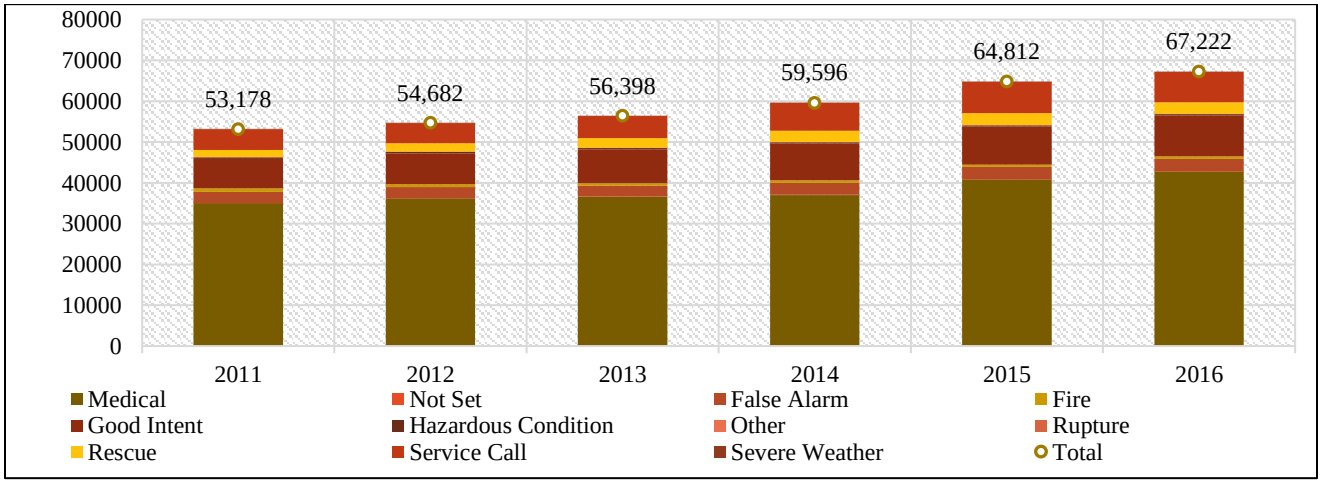
Firefighter fire deaths: 0
Firefighter fire injuries: 209
Civilian fire deaths: 0
Civilian fire injuries: 13
Commercial fire loss: $1,410,562.00
Residential fire loss: $ $8,394,701.00

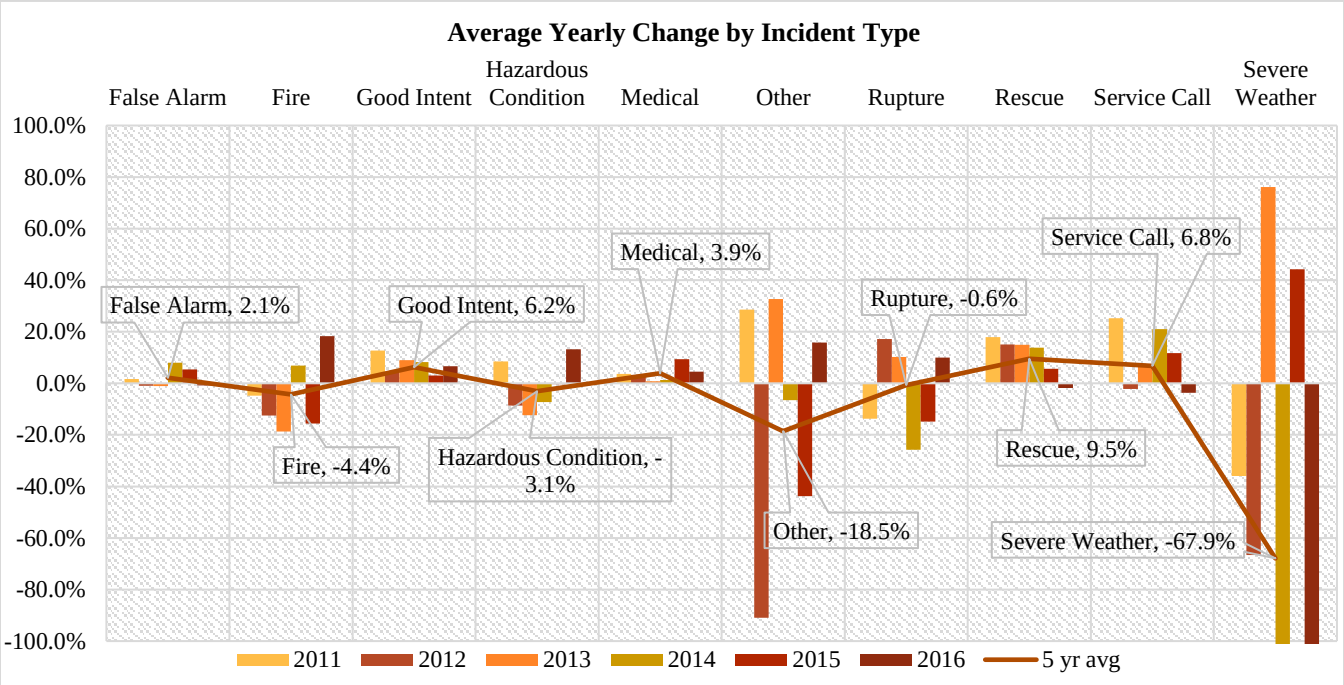
Total Incidents

Incident Overview



Year	False Alarm	Fire	Good Intent	Hazardous Conditions	Medical	Other	Rupture	Rescue	Service Calls	Severe Weather	Not Set	Total
2011	2739	800	7230	414	35012	63	29	1688	5121	25	57	53178
2012	2713	711	7549	381	36202	33	35	1988	5010	15	45	54682
2013	2685	599	8291	339	36507	49	39	2338	5390	63	98	56398
2014	2918	643	9035	316	36981	46	31	2713	6821	24	68	59596
2015	3085	556	9320	315	40821	32	27	2873	7729	43	11	64812
2016	3060	680	9984	363	42765	38	30	2820	7458	13	11	67222





Mutual Aid

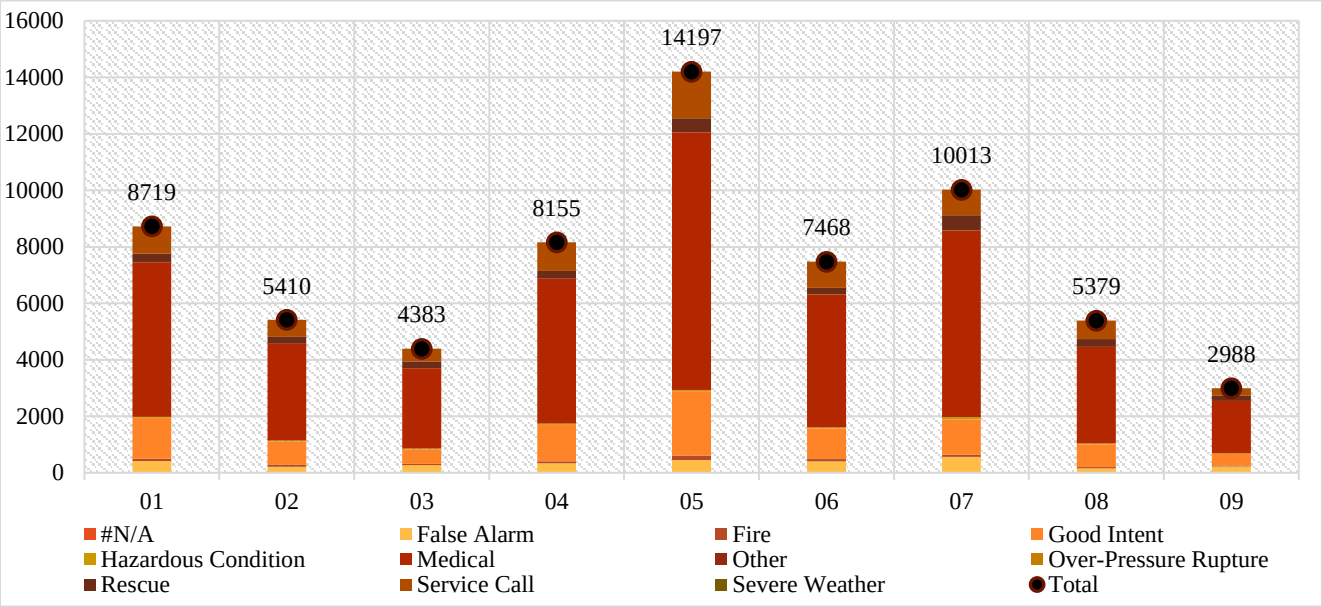
Year	Aid Type	False Alarm	Fire	Good Intent	Hazardous Condition	Medical	Other	Rupture	Rescue	Service Call	Severe Weather	Total
2011	RECEIVED	3	3	5		8				2		21
2011	GIVEN	5	17	16	8	173	8		7	38		272
2012	RECEIVED	1	3	5		5						14
2012	GIVEN	9	11	22	1	212	2		6	35	1	299
2013	RECEIVED	1	2	11		8						22
2013	GIVEN	15	11	21	4	132	2		8	24	1	218
2014	RECEIVED	3		8	1	20	1		3	3		39
2014	GIVEN	9	9	27	1	171	3	1	19	34		274
2015	RECEIVED	5	2	9		27			3	4		50
2015	GIVEN	13	9	63		184			28	37	2	336
2016	RECEIVED	2	5	2	1	10			4	1		25
2016	GIVEN	7	9	29	2	138	4	1	19	95		304

Dispatched vs Situation Found

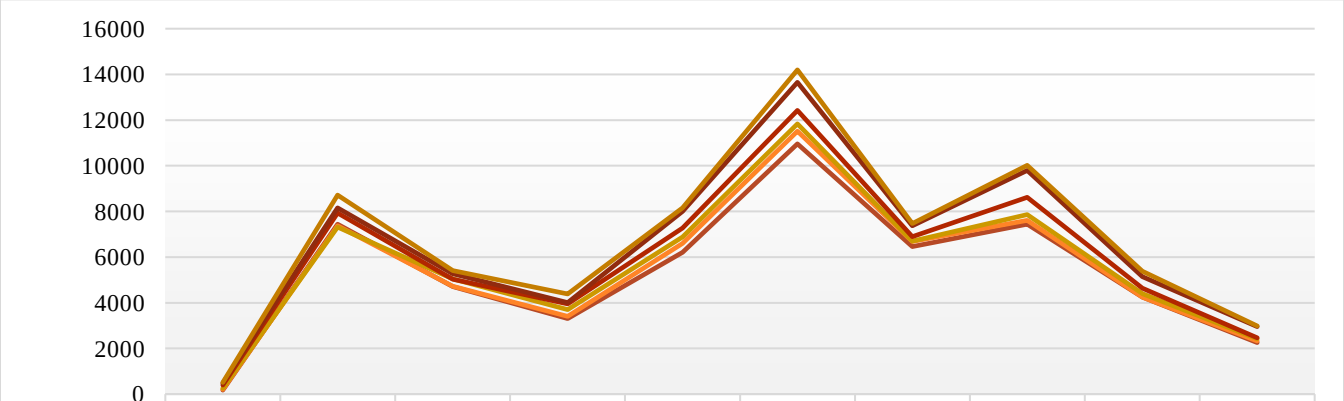
	Dispatch Code							
Situation Found	**Fire**	**Good Intent**	**Hazardous Condition**	**Medical**	**Other**	**Rescue**	**Service Call**	**Severe Weather**
2016	**2351**	**3877**	**740**	**55772**	**360**	**653**	**3442**	**26**
Sit Found Not Set		1		8			2	
False Alarm	87	2512	8	404	6	6	35	2
Fire	**631**	12	2	6			28	1
Good Intent	1127	**924**	294	6496	59	105	967	11
Hazardous Condition	57	72	**189**	21	3	1	20	
Medical	27	48	13	**41993**	110	174	400	
Other	12	3	2	14			7	
Over-Pressure	10	3	16	1				
Rescue	17		34	2312	30	**310**	117	
Service Call	379	301	182	4517	152	56	**1864**	7
Severe Weather	4	1				1	2	**5**
2015	**1989**	**3828**	**688**	**54205**	**507**	**333**	**3216**	**46**
Sit Found Not Set	1			8		1	1	
False Alarm	92	2510	11	397	20	5	45	5
Fire	**527**	8	3	5			13	
Good Intent	935	**870**	298	6084	96	82	941	14
Hazardous Condition	31	76	**170**	15			22	1
Medical	35	33	10	**40279**	110	48	306	
Other	5	2	5	11	**1**		8	
Over-Pressure	10	3	10	2			2	
Rescue	14		32	2540	35	**140**	112	
Service Call	327	325	146	4864	245	55	**1761**	6
Severe Weather	12	1	3			2	5	**20**
2014	**2226**	**3665**	**715**	**49100**	**371**	**274**	**3215**	**29**
Sit Found Not Set	2	1	1	59	1		4	
False Alarm	97	2400	8	359	15	4	33	2
Fire	**609**	12	3	4			15	
Good Intent	1083	**810**	284	5689	61	83	1016	8
Hazardous Condition	48	72	**149**	25	4		18	
Medical	24	29	13	**36518**	87	45	265	
Other	15		5	15			11	
Over-Pressure	12	1	16	1			1	
Rescue	11		44	2426	33	**96**	103	
Service Call	321	339	189	4004	170	45	**1746**	7
Severe Weather	4	1	3			1	3	**12**

Incidents by Pez

2016 Incidents by PEZ



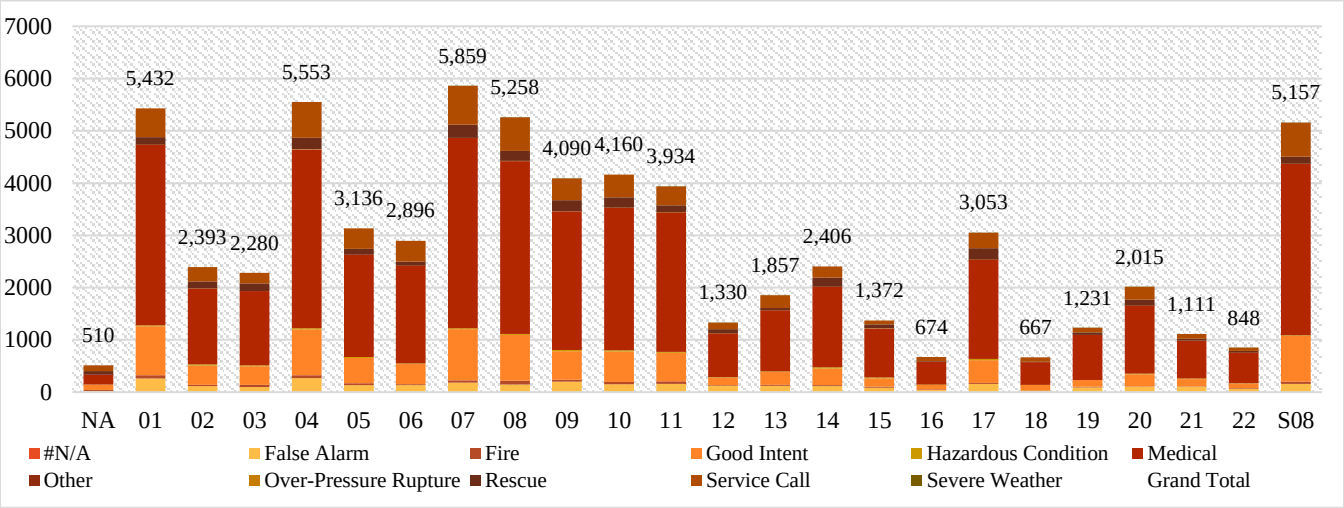
Incidents by PEZ: 2016 with the past 5 years



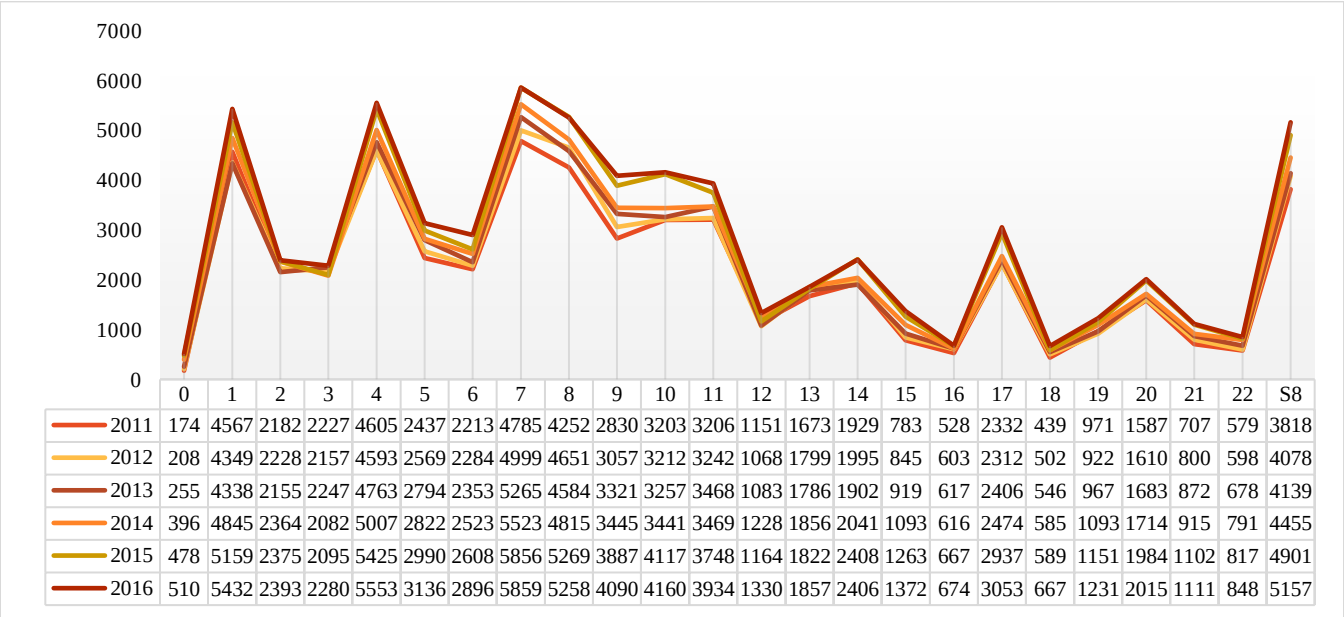
	00T	1	2	3	4	5	6	7	8	9
2011	174	7445	4701	3300	6208	10958	6460	7437	4243	2252
2012	208	7372	4721	3408	6593	11513	6680	7611	4249	2326
2013	255	7314	5048	3697	6875	11833	6693	7860	4393	2430
2014	396	7925	5029	3951	7265	12423	6898	8612	4634	2460
2015	478	8150	5262	4008	7994	13652	7374	9799	5145	2950
2016	510	8719	5410	4383	8155	14197	7468	10013	5379	2988

Incidents by Still District

2016 Incidents by Still District



Incidents by Still District: 2016 with the past 5 years



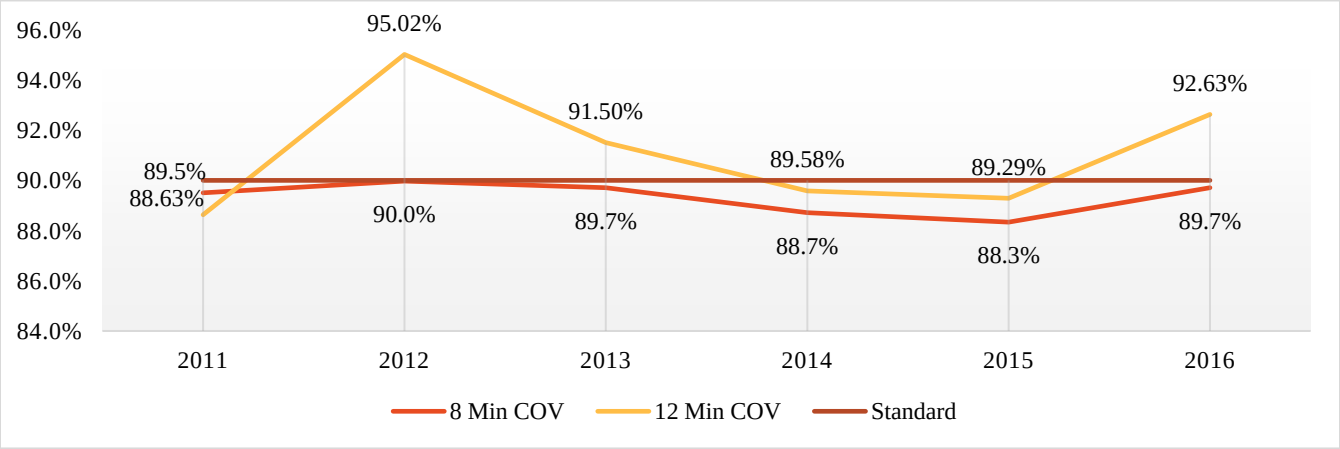
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	S8
2011	174	4567	2182	2227	4605	2437	2213	4785	4252	2830	3203	3206	1151	1673	1929	783	528	2332	439	971	1587	707	579	3818
2012	208	4349	2228	2157	4593	2569	2284	4999	4651	3057	3212	3242	1068	1799	1995	845	603	2312	502	922	1610	800	598	4078
2013	255	4338	2155	2247	4763	2794	2353	5265	4584	3321	3257	3468	1083	1786	1902	919	617	2406	546	967	1683	872	678	4139
2014	396	4845	2364	2082	5007	2822	2523	5523	4815	3445	3441	3469	1228	1856	2041	1093	616	2474	585	1093	1714	915	791	4455
2015	478	5159	2375	2095	5425	2990	2608	5856	5269	3887	4117	3748	1164	1822	2408	1263	667	2937	589	1151	1984	1102	817	4901
2016	510	5432	2393	2280	5553	3136	2896	5859	5258	4090	4160	3934	1330	1857	2406	1372	674	3053	667	1231	2015	1111	848	5157

Incidents by FPU

Type	False Alarm	Fire	Good Intent	Hazardous Condition	Medical	Other	Rupture	Rescue	Service Call	Severe Weather	Not Available	Total
2016	**3051**	**677**	**9953**	**360**	**42617**	**34**	**29**	**2797**	**7359**	**13**	**11**	**66901**
Commercial	781	372	4015	154	11358	16	9	2539	1724	5	1	20974
Industrial	56	3	42	1	208		2	4	20			336
Institution	508	13	701	7	5835		2	27	632			7725
Multifamily	316	79	1426	29	6759	5	5	14	1445	1		10079
Other Res.	184	4	247	4	995	2		11	104	1	1	1553
SingleFamily	999	157	2763	150	14018	7	8	48	2526	6		20682
Not Available	207	49	759	15	3444	4	3	154	908		9	5552

Standards of Cover

8 and 12 Minute Standards of Coverage



Year	8 Min COV	12 Min COV
2011	**89.5%**	**88.6%**
2012	**90.0%**	**95.0%**
2013	**89.7%**	**91.5%**
2014	**88.7%**	**89.6%**
2015	**88.3%**	**89.3%**
2016	**89.7%**	**92.6%**

2016 Cover by PEZ

PEZ	8 Min COV	12 Min COV
City	**89.70%**	**92.63%**
01	96.28%	91.23%
02	88.80%	95.45%
03	84.99%	80.00%
04	91.85%	95.71%
05	90.35%	94.34%
06	89.74%	97.14%
07	86.41%	84.44%
08	91.19%	97.37%
09	83.09%	85.71%

Responses

Truck Responses by Truck District

Company	OOT	1	4	8	9	10	17	19	Total
T1	1	2019	208	232	120	14	2	1	2597
T4	14	219	1834	225	23	2	1	2	2320
T8	19	140	52	2508	6	44	34		2803
T9	3	138	26	20	1684	58	5	63	1997
T10	5	38	4	143	126	1277	109	50	1752
T19	93	9	7	12	64	58	27	1397	1667

Station Responses

Station	2011	2012	2013	2014	2015	2016	Prior Year Growth	Avg Growth
SQ08	2875	3274	3397	3561	3927	3715	-6%	1.8%
ST01	6372	6150	6281	6780	7034	7163	2%	3.4%
ST02	2497	2404	2433	2576	2481	2525	2%	1.2%
ST03	2564	2528	2812	2715	2588	2724	5%	0.6%
ST04	5399	5385	5667	6003	6466	6417	-1%	4.5%
ST05	2353	2450	2621	2659	2602	2817	8%	3.7%
ST06	2597	2652	2574	2753	2760	3003	8%	3.7%
ST07	5550	5843	6136	6286	6588	6426	-3%	3.6%
ST08	7105	7395	7188	7419	7686	7734	1%	2.4%
ST09	3326	3529	4035	4461	4911	5211	6%	9.5%
ST10	4208	4280	4452	4594	5215	5107	-2%	4.5%
ST11	3200	3196	3289	3336	3818	4740	19%	7.2%
ST12	1269	1246	1235	1363	1259	1457	14%	4.6%
ST13	1687	1767	1771	1802	1764	1892	7%	1.9%
ST14	1762	1967	2135	2107	2326	2294	-1%	5.6%
ST15	971	996	1059	1200	1296	1498	13%	7.8%
ST16	686	746	708	673	694	640	-8%	0.2%
ST17	3422	3495	3649	3443	3680	3738	2%	2.5%
ST18	680	713	683	779	770	861	11%	3.4%
ST19	2560	2463	2395	2975	3240	2171	-49%	-3.9%
ST20	1672	1774	1858	1636	1770	1767	0%	2.9%
ST21			354	967	1245	1370	9%	9.1%
ST22						667	Null	Null
Total	**59880**	**60979**	**65764**	**70087**	**74120**	**75937**	**2%**	**5.1%**

Company Responses by Still District

CMP	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	S8	Total
E1	3214	296	234	240	72	22	23	18	22	7	13	1	32	2		2	3	2					363	**4566**
E2	348	1457	67	15	50	367	34	3	124	1	1	2	6										48	**2523**
E3	285	62	1492	144	449	7	6	12	16	3	11	1	203	1		1	1	1		1			24	**2720**
E4	208	10	54	3407	2	2		13	8	4	69	1	126	1		89	2					1	75	**4072**
E5	22	16	258	31	2292	2	1	3	36				139	1		2		4					5	**2812**
E6	27	235	2	2	5	1948	189	10	93	178	1	2		6	1	1	4		2	3		1	79	**2789**
E7	4	9		1	1	124	2147	306	1	174	38	1		2			62			1			141	**3012**
E8	29	5	4	23		4	436	3037	2	7	363		2	1	1		11						1001	**4926**
E9	15	167	14	19	117	112	4	2	2504	63	4	116	9	23	2	1	4	21	3	6	1	1	2	**3210**
E10	3	8	2	7	2	69	118	11	43	2523	1	4	1	251	3	1	210		3	78	2	4	8	**3352**
E11	7		1	87		2	17	281	2		1515		2			16							191	**2121**
E12	4	5	2	7	4	12	6	1	173	4		1010	1	149	3		1	37	14	1		12		**1446**
E13	22	5	56	221	170			4			2		1393	1		8		3					5	**1890**
E14	1					2	3	1	59	95		87		1440	6			3	119	116	1	37	2	**1972**
E15							1		2	6		1		6	1090		5		170	156	50	6	3	**1496**
E16	1	1	1	97	1		1				8		7			504							1	**622**
E17				2		2	106	16		125	6	1	1	8	11		1910		1	53	60	1	3	**2306**
E18	2	1		1	8			1	122	1		138		2				581		1				**858**
E19			1			1		1				4		83	35		2	1	189	18		131	3	**469**
E20		1	1	1	1	1	4	2	5	62	2	4		116	70		22		53	1376	37	5	3	**1766**
E21			1	1			3	2		7	1				65	1	235		1	97	936		2	**1352**
E22	1	1		1			1		1	2		2		8	11				17			575		**620**
H6	10	15	10	12	10	58	11	14	10	11	14	2	4	5	2	1	8	1		1		4	11	**214**
H14	13	14	16	15	15	10	16	17	23	13	19	7	6	29	16	3	20	3	3	12	12	6	11	**299**
HR17	23	8	10	28	24	17	84	65	18	89	31	10	9	10	38	4	647	2	11	51	60	5	24	**1268**
S07	29	30	3	5	1	154	2703	177	6	143	3	2	2	2	1		47	3	3	3	3	1	84	**3405**
S08	129	17	6	26	6	36	200	374	3	3	56	1	2	2		2	2			1			2848	**3714**
S11	8	6	7	50	3	1	19	174	4	4	2156	1	1	3		12	2	1	1	1			145	**2599**
T1	1330	197	161	161	139	58	52	68	65	6	30	7	62	1		8	1	3	1				246	**2596**
T4	123	21	49	1666	31	5	8	65	11	1	94	1	85			54	1		2				90	**2307**
T8	34	14	3	37	3	30	362	1415	4	26	269		4			4	16			1	1		568	**2791**
T9	24	126	18	14	97	95	5	10	1268	66	4	138	7	36	3	4	3	29	21	4	1	13	8	**1994**
T10	10	16	1	3		88	128	42	38	1044	7	13	1	131	7		83	1	16	79	21	9	9	**1747**
T19	3		3	5		2	3	5	21	11	2	34	1	319	150		6	7	738	85	19	157	6	**1577**
Total	**5929**	**2743**	**2477**	**6329**	**3503**	**3231**	**6691**	**6150**	**4684**	**4679**	**4720**	**1591**	**2106**	**2639**	**1515**	**718**	**3308**	**703**	**1368**	**2145**	**1204**	**969**	**6009**	**75411**

Fire

Incident Overview

Year	Explosion	Grass Fire	Other Fire	Outside Fire	Spill w/Fire	Structure Fire	Trash Fire	Vehicle Fire	Total
2011	4	205	4	110	4	228	124	121	800
2012	2	159	5	97	6	211	107	124	711
2013	4	130	4	87	3	190	72	109	599
2014	2	126	3	86	5	188	123	110	643
2015	4	89	4	80	4	162	101	112	556
2016	4	157		91	3	160	123	142	680

Fires by Still District

Station	Explosion	Grass Fire	Outside Fire	Spill w/Fire	Structure Fire	Trash Fire	Vehicle Fire	Total
NA		9	1		4		5	19
01		14	11		10	16	9	60
02		5	4		2	4	6	21
03		15	7		7	7	7	43
04		18	7	1	13	11	5	55
05	1	4	8		7	14	6	40
06		2	2		8	3	3	18
07		7	8		14	7	11	47
08		15	13		16	12	14	70
09		12	4	1	7	8	9	41
10	1	8	4		7	6	12	38
11	1	9	5	1	13	6	14	49
12	1	2	1		4	3	2	13
13		3	2		6	2	4	17
14		5	3		4	4	3	19
15		3	1		5	3	4	16
16		4	1		1	2	1	9
17		3	5		5	3	6	22
18		1			1	1		3
19		4	1		4	2		11
20		2			6	1	3	12
21		1			3	1	3	8
22		1			4	1	1	7
S8		10	3		9	6	14	42

Fire Loss

FPU	2016		Casualties	Count
Commercial	$1,410,562.00		**Fire Fighter Injuries**	209
Industrial	$51,100.00		**Fire Fighter Deaths**	0
Institution	$18,725.00		**Civilian Injuries**	13
Multi Family	$5,496,857.10		**Civilian Deaths**	0
Other Residential	$2,266.00			
Single Family	$2,895,578.00			
Not Available	$253,558.00			
Total	**$10,128,646.10**			

Ignition Factors for All Fires

Ignition Factors	2011	2012	2013	2014	2015	2016
Not Available	5	16	7	11	4	5
Animal				1		
Arson/Incendiary	23	20	22	20	21	11
Backfire					1	
Chimney Fires/Pyrophoric Fires	8	8	5	4	4	4
Collision, Overturn, Knockdown (Autos Included)						
Combustibles too Close to Heat	21	25	16	17	15	17
Cooking Unattended (Not Due to Falling Asleep)	34	33	30	25	23	24
Cutting, Welding	6		6		2	2
Design, Construction Deficiency		1		1	1	2
Disposal of Hot Ashes or Coal	3	5	4	6	3	4
Electrical Short, Fault, Malfunction	32	21	29	27	28	25
Equipment Overloaded			2		1	2
Exposure	11	303	2	2	4	1
Falling Asleep; Smoking in Bed and Cooking Included	9	4	2	5	2	1
Fireworks				1		
Flammable Liquid; Improper Container				1		
Flammable Liquid Misuse Of	1	2	2	3	1	
Flammable Liquid; Spilled or Released Accidentally	2	4	4	5	6	3
Heat Production Equipment; Incorrect Use Of	4	3	6	5	1	4
Heat Production Equipment; Malfunction Of	4	3	4	5	2	5
High Wind		96				
Leak, Break, Part Failure	4	2	1	1	1	3
Lightning	4	3	2	3	6	5
Maintenance, Lack Of; Worn Out	3	6	3	2	2	1
Malicious Mischief (Investigator Use Only)	1					
Matches - Adults, Improper Use Of	1	3	1	1		1
Matches -Children Playing With, Smoking	9	1	3	4	1	
Open Burning; Legal or Illegal	2		2	1	1	1
Rekindle from A Previous Fire				2		
Smoking (Not Due to Falling Asleep)	23	27	15	10	8	11
Spontaneous Heating	5	1		5	2	8
Suspicious; Insufficient Info to Classify Further	11	8	8	3	8	3
Thawing					1	
Under Investigation (Investigator Use Only)	5	7	10	8	4	3
Undetermined (Investigator Use Only)	8	10	5	14	10	13
Unknown, Dumpsters, Grass Fires Without Suspects	3	1	3	2	3	4
Total Ignition Factors	242	613	194	195	166	163

Extinguish Methods for All Fires

Method	2011	2012	2013	2014	2015	2016
Not Available	4	13	5	9	1	2
Automatic Extinguishing System	6	5	3	5	7	2
Ground Crews with Equipment And/or Support		13	1			1
Makeshift Aids (Garden Hose, Rakes, Shovel, Baking Soda Etc.)	18	19	12	7	10	11
Method of Extinguishing Not Classified Above	21	13	13	15	12	13
Portable Extinguisher	55	46	50	44	37	48
Self-Extinguished	20	400	23	14	13	11
Water Carried on Apparatus Assigned to Incident	54	38	35	40	40	40
Grand Total	**242**	**613**	**194**	**195**	**166**	**163**

Structure Fires

Quick look:

SFIR Exposures by Property Use	2011	2012	2013	2014	2015	2016
Not Available	8	4	9	11	10	11
Commercial	34	37	30	24	25	15
Industrial	2	1	4	2	2	1
Institution	1	1	2	3		6
Multi Family	61	54	52	42	43	41
Other Residential	7	3	2	4	5	2
Single Family	129	513	95	109	81	87
Grand Total	**242**	**613**	**194**	**195**	**166**	**163**

SFIR Top 10 Area of Origin	2011	2012	2013	2014	2015	2016
Kitchen, Cooking Area	47	49	43	45	40	41
Bedroom - Residential	23	17	19	25	21	13
Living Room - Residential	21	7	12	8	8	9
Ext Balcony, Open Porch	19	22	12	8	6	8
Exterior Wall Surface	9	10	3	4	5	7
Attic Space	9	9	6	6	7	5
Storage Area Not Classified	5	5	4	3	5	5
Court, Terrace, Patio	3	5	4	2	2	5
Laundry Room or Area	7	5	12	7	3	4
Chimney	6	6	3	2	4	4
Lavatory, Locker, Cloak Room	3	8	7	3	3	4
Heating Equip, Water Heater	2	3		2	1	4
Crawl Space	1	2	5	3	2	4
Hallway, Corridor, Mall	3	1	4	4	1	4
Not Available	4	15	5	10	4	4

SFIR Top 10 Ignition Factors	2011	2012	2013	2014	2015	2016
Electrical Short, Fault, Malfunction	32	21	29	27	28	25
Cooking Unattended (Not Due to Falling Asleep)	34	33	30	25	23	24
Combustibles to Close to Heat	21	25	16	17	15	17
Undetermined (Investigator Use Only)	8	10	5	14	10	13
Arson/Incendiary	23	20	22	20	21	11
Smoking (Not Due to Falling Asleep)	23	27	15	10	8	11
Spontaneous Heating	5	1		5	2	8
Lightning	4	3	2	3	6	5
Heat Production Equipment; Malfunction Of	4	3	4	5	2	5
Not Available	5	16	7	11	4	5

SFIR Top 10 Contributing Factors	2011	2012	2013	2014	2015	2016
Careless Act	72	77	67	49	41	35
Not Available	15	28	8	14	21	34
Acts or Omission; Insufficient Information	30	21	18	22	20	12
Electrical/Mechanical; Insufficient Information	23	10	17	19	17	11
Maintenance Inadequate	7	3	4	4	5	6
Unable to Report	10	11	7	19	9	6
Overheating	4	5	1	3	2	4
Lightning	2	2	1	2	5	4
Gas: Other		1		1		4
Malfunction of Equipment	4	4	8	2	3	3

SFIR Top 10 Material Types	2011	2012	2013	2014	2015	2016
Multiple Types of Material	32	402	34	43	36	36
Cotton, Rayon, Cotton Fabric, Finished Goods	27	17	14	15	6	16
Fat, Grease (Food)	24	28	21	20	20	15
Wood, Paper; Insufficient Information	22	10	12	10	8	9
Undetermined or Not Reported	7	8	11	15	12	8
Fabric, Textile, Fur; Insufficient Information	10	9	6	8	8	7
Sawn Wood	16	26	14	10	11	7
Man-Made Fabric, Fiber	8	8	5	5	5	6
Plastic; Insufficient Information	3	2	2	5	1	5
Combustible Liquid	3	6	6	7	7	5
Not Available	7	18	7	10	2	5

Grass Fires

Quick Look

GFIR Area of Origin	2011	2012	2013	2014	2015	2016
Lawn, Field, Open Area	144	102	92	81	53	85
Wildland Area, Woods	32	25	18	24	16	39
Not Available		5	1	2	2	10
Undetermined or Not Reported	3	2	8	9	5	9
Highway, Public Way, Street	13	8	3	3	5	6
Exterior Exposed Surface	4	5	2	2	3	3
Function Area Not Classified	2	1		1		2
Sleeping Area Under 5 Persons						1
Electronic Equip Room or Area		1				1
Trash Area, Container		1		1		1
Court, Terrace, Patio	2	1	4	3		1
Multiple Areas of Release						1
Conveyor						1

GFIR Top 10 Ignition Factors	2011	2012	2013	2014	2015	2016
Unknown, Dumpsters, Grass Fires Without Suspects	63	52	34	42	24	53
Open Burning; Legal or Illegal	13	9	16	17	11	27
Arson/Incendiary	27	15	11	12	9	12
Not Available		5	2	1	2	11
Smoking (Not Due to Falling Asleep)	17	21	21	10	4	9
Suspicious; Insufficient Information	31	16	14	8	14	8
Fireworks	8	3		4	1	7
Electrical Short, Fault, Malfunction	9	6	4	5	3	6
Undetermined (Investigator Use Only)	1	6	2	3	3	6
Lightning	9	3	5	10	3	5

GFIR Top 10 Contributing Factors	2011	2012	2013	2014	2015	2016
Careless Act	46	34	38	27	16	37
Acts or Omission; Insufficient Information	48	31	27	32	19	33
Unable to Report	36	29	20	20	23	24
Not Available	3	11	6	5	3	23
Electrical/Mechanical; Insufficient Information	6	8	1	2	2	6
Malicious Mischief	7	5	1	3	1	5
Wind (Including Tornadoes)	15	6	4	5	4	4
Humidity: Low	6	4	3	1	1	4
Intoxication: Drugs or Alcohol	1		1			4
Poor Access for Fire Fighters		1		1	2	3
Tent						3

GFIR Top 10 Material Types	2011	2012	2013	2014	2015	2016
Growing/Natural Form Whether Living or Dead	148	102	87	87	52	94
Not Available	2	8	3	2	2	15
Rubbish, Trash, Waste	6	11	6	10	9	13
Agriculture Products	6	5	6	4	7	7
Form Undetermined or Not Reported	9	4	3	3	1	6
Chips	11	15	6	6	2	5
Multiple Forms of Material First Ignited	2	1	2	1	5	3
Bedding, Blanket, Sheet, Comforter, Heating Pads						2
Soft Goods, Wearing Apparel; Insufficient Information					1	2
Electrical Wire, Cable Insulation	3	2	3			2
Fabrics and Yard Goods	2		4	1		2
Form of Material Not Significant or Not Applicable	4	3	3	4	1	2

Brush Truck Responses by Still District

2016	OOT	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	S8	Total
Total	**32**	**26**	**10**	**51**	**56**	**69**	**15**	**34**	**43**	**37**	**34**	**46**	**17**	**50**	**41**	**18**	**23**	**16**	**17**	**10**	**21**	**15**	**12**	**22**	**715**
B3	2	6	3	24	10	7		1		1		1		6										3	64
B4					1																2				3
B5		5	4	16	3	46		1	2	1		1		2											81
B6		1		1			12	3	1	3	3	1						2						1	28
B7	2				1			20	13			1						3						2	42
B9	10	2	3	1		1		1		21	2	1	1		2		1		1		1			2	50
B10	1	1				1			2	1	19				1						3				29
B11	2	2			5				13			21					2				1			8	54
B12	1								1	3	1	1	10	1	4				2						24
B13	1	4		5	28	12						1	2	35			3		1					1	93
B14						1				4	2	1	2		27	1			2	4	1	1		2	48
B15		1						1			1	1		1		13				1	1				20
B16	4	1			4	1	3	3	3	2	2	6		2			17						1	2	51
B17	1	1			1			1	4				1		1			8				1			19
B18	1				1			1	1	1	1	3		1	1				10					1	22
B19	4			2	1				1		1	2	1	1	1	1			1	5			1		22
B20	1	1		1				1			1	1			4	2		1			10	1			24
B21	1			1					2		1	2				1		2			2	12			24
B22	1	1			1			1				2		1									10		17

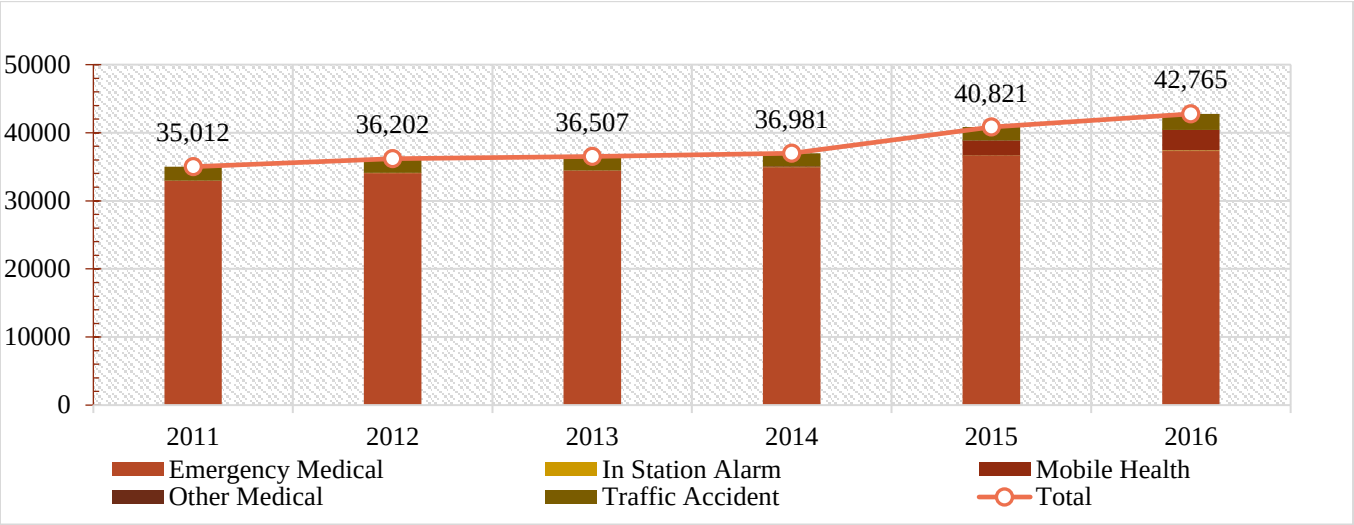
Wildland Responses by Still District

2016	OOT	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	S8	Total
Total	**5**	**3**	**1**	**5**	**16**	**2**		**2**	**3**	**6**		**3**	**1**	**6**	**3**		**3**	**1**	**1**	**6**				**2**	**69**
W19	2									1					1					6					10
W3				1																					1
W4	2	3		4	14	1		1	2	1		3		6	1		2	1						2	43
W9	1		1		2	1		1	1	4			1		1		1		1						15

Medical

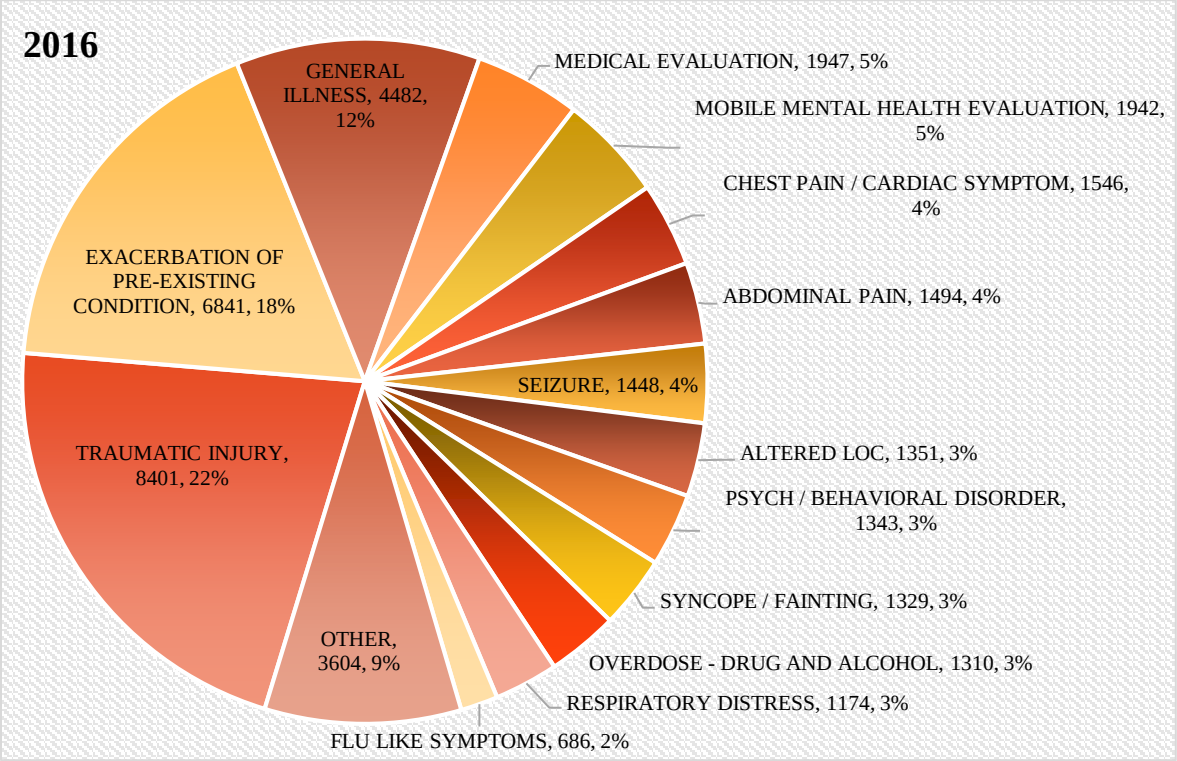
Incident Overview

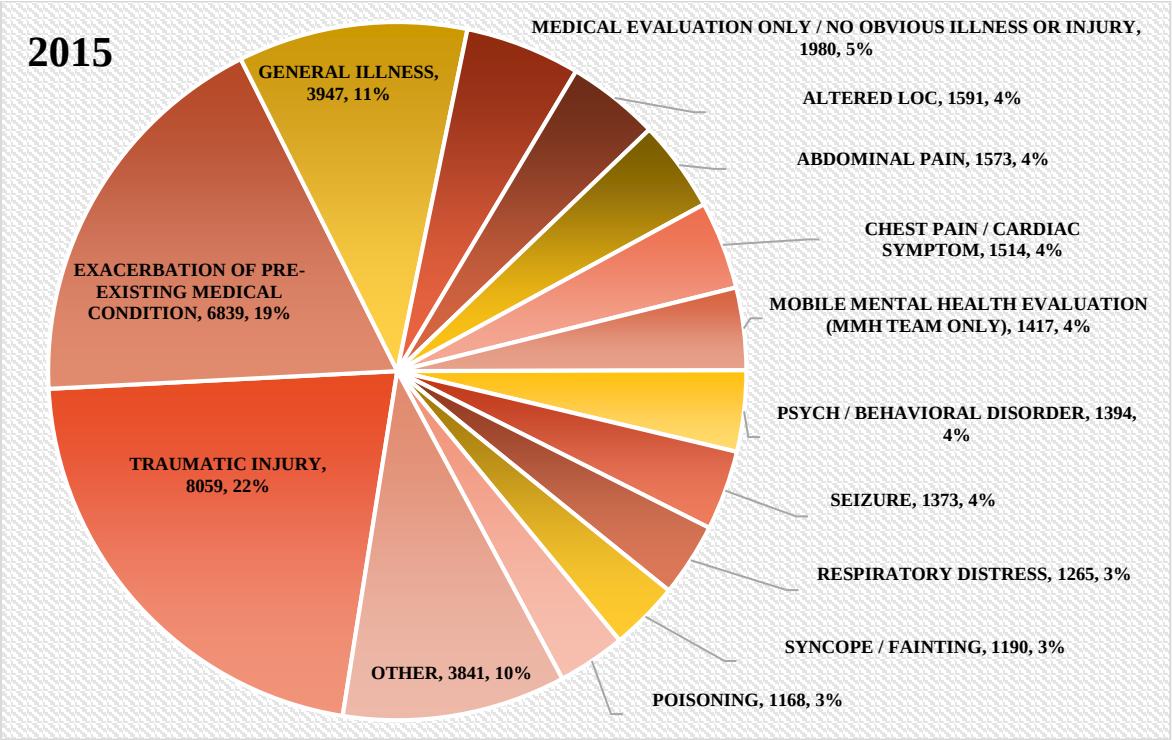
Year	Emergency Medical	In Station Alarm	Mobile Health	Other Medical	Traffic Accident	Total Medical Incidents	Patients
2011	32957	18		15	2022	35012	32716
2012	34067	29		20	2086	36202	32998
2013	34450	10		12	2035	36507	33111
2014	34928	11	121	9	1912	36981	33255
2015	36634	40	2175	12	1960	40821	37151
2016	37333	88	2979	17	2348	42765	38898



Medical Action Taken	2011	2012	2013	2014	2015	2016
OTHER	4	7	4	20	3	5
ALS	11209	11191	11188	11491	12780	13668
BLS	21503	21800	21919	21744	24368	25225
Grand Total	**32716**	**32998**	**33111**	**33255**	**37151**	**38898**

Primary Assessments





Main Procedures Used

Procedure	Count
Patient Contact	38888
Terminated Care Medical	38705
Vital Signs	36809
Pulse-Ox	27757
Assisted with Patient Loading	16997
Glucometer	12349
Iv	9797
Cardiac Monitor - 12 Lead	7525
Breath Sounds	5878
Cardiac Monitor	4880
Oxygen	4679
Refusal - Following Standing Orders	2648
Spinal Immobilization	2289
Capnography	2177
Blood Draw	1729
Zofran	1519
Stroke Scale	1484
Aspirin	1086
Fentanyl	1083
Bandaging	1057
Spinal Immobilization, Assisting With	1002
Albuterol	989
Refusal	747
Splinting	547
Dextrose	498
Other	8312
Total	231431

Squad Responses

By Still District

2016	OOT	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	S8	Total
S7	4	29	30	3	5	1	154	2703	177	6	143	3	2	2	2	1		47	3	3	3	3	1	84	3409
S8	1	129	17	6	26	6	36	200	374	3	3	56	1	2	2		2	2			1			2848	3715
S11	4	8	6	7	50	3	1	19	174	4	4	2156	1	1	3		12	2	1	1	1			145	2603

Hazardous Conditions

Incident Overview

Situation Found Type	2011	2012	2013	2014	2015	2016
Aircraft Incident	1					
Chemical Incident	8	14	9	6	4	4
CO Alarm	67	50	64	78	79	75
Drug Lab	2	3	1			1
Electrical Incident	132	104	102	85	68	109
Explosive Removal	5	6	3		1	1
Fire Setter	2	1	2	4		1
Fire-Play by Juvenile	1		1	1	2	
Hazmat Incident	177	185	148	134	150	160
Rail Incident					2	
Standby	19	18	9	8	9	12

Electrical Incidents

Situation Found	2011	2012	2013	2014	2015	2016
Haz-Arching, Shorted Electrical Equipment	92	73	77	69	48	88
Haz-Power Line Down	40	31	25	16	20	21
Total	**132**	**104**	**102**	**85**	**68**	**109**

Hazmat Incidents

Situation Found	2011	2012	2013	2014	2015	2016
Hmt-Fuel Spill (Gasoline / Diesel)	50	49	45	38	46	44
Hmt-Spill, Leak (Gases Only)	79	83	73	61	82	87
Hmt-Spill, Leak (Liquids Only)	48	53	30	35	22	29
Total	177	185	148	134	150	160

Hazmat Responses by Still District

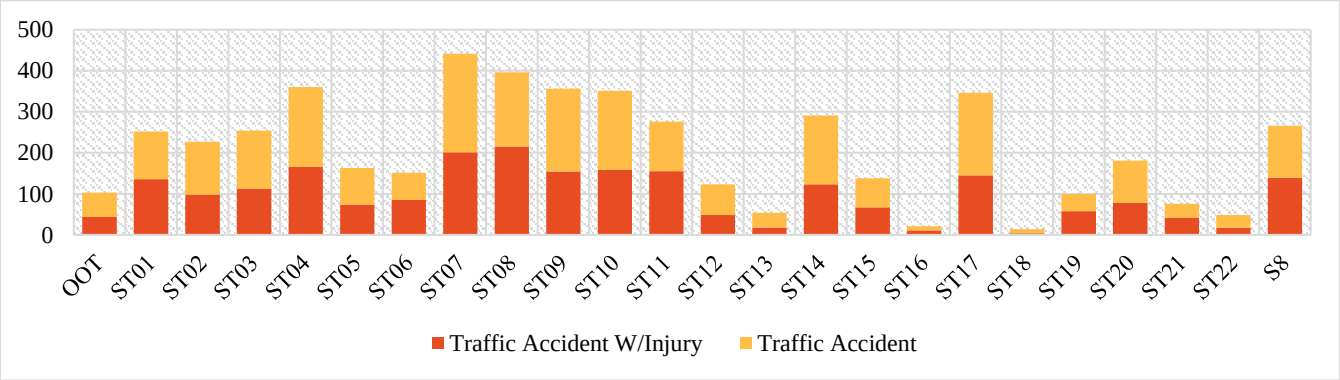
2016	OOT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	S8	Total
H6		10	15	10	12	10	58	11	14	10	11	14	2	4	5	2	1	8	1		1		4	11	214
H14	4	13	14	16	15	15	10	16	17	23	13	19	7	6	29	16	3	20	3	3	12	12	6	11	303

Rescue

Incident Overview

Situation Found	2011	2012	2013	2014	2015	2016
Entanglement	7	7	1	9	5	8
Extrication	13	8	12	14	14	15
Lock-In	92	89	81	71	72	73
Rescue	16	24	25	25	37	32
Rescue Collapse	1		1	1	4	2
Rescue High Angle	16	10	10	17	17	22
Rescue Ice	10	6	12	5	7	7
Rescue Other	2	3	6	3	6	7
Rescue Water	4	10	17	3	13	14
Traffic Accident[1]	1527	1831	2173	2565	2698	2640
Grand Total	**1688**	**1988**	**2338**	**2713**	**2873**	**2820**

Traffic Accident



Situation Found	2011	2012	2013	2014	2015	2016
Med-Traffic Accident with Injury	2022	2086	2035	1912	1960	2348
Service Call-Traffic Accident Non-Injury	1527	1831	2173	2565	2698	2640
Grand Total	**3549**	**3917**	**4208**	**4477**	**4658**	**4988**

Rescue 17 Responses

Still District

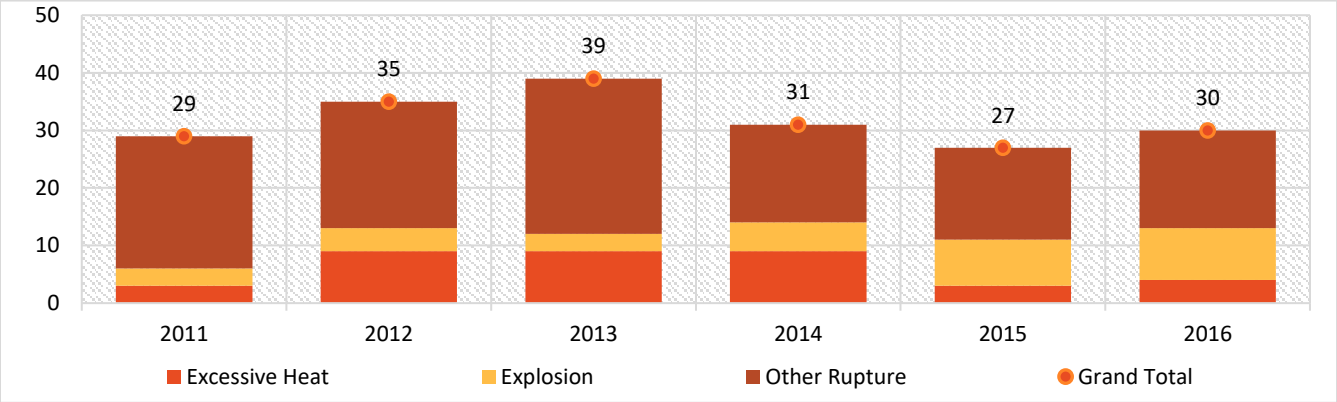
	OOT	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	S8	Total
2016	52	23	8	10	28	24	17	84	65	18	89	31	10	9	10	38	4	647	2	11	51	60	5	24	1320

[1] Traffic Accidents without Injury were moved to the Rescue Category from Service Calls so that incidents were more aligned with NFIRS. This caused a noticeable reduction in Service Calls and increase in Rescues.

Over-Pressure / Rupture

Incident Overview

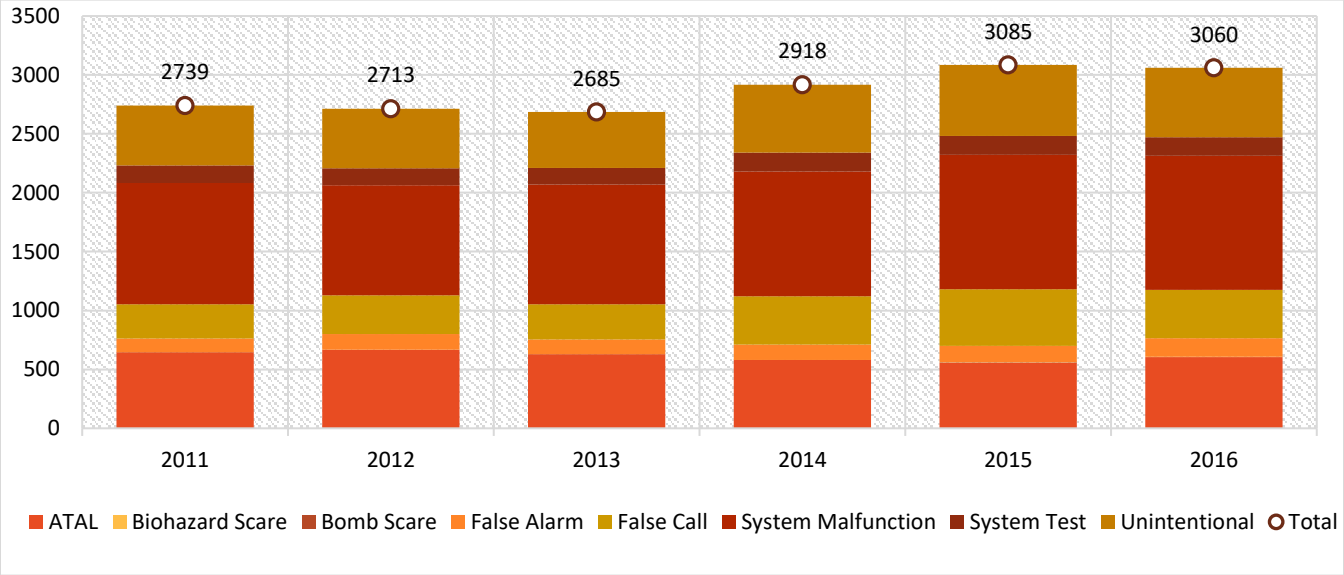
Situation Found	2011	2012	2013	2014	2015	2016
Excessive Heat	**3**	**9**	**9**	**9**	**3**	**4**
Haz-Excessive Heat	3	9	9	9	3	4
Explosion	**3**	**4**	**3**	**5**	**8**	**9**
Fire-Explosion, No After-Fire	3	4	3	5	8	9
Other Rupture	**23**	**22**	**27**	**17**	**16**	**17**
Haz-Air, Gas Rupture (Gases Only)	17	16	22	16	11	12
Haz-Over-Pressure Rupture Unclassified	3	3	2	1	3	1
Haz-Steam Rupture	1				1	
Over-Pressure Rupture Unclassified	2	3	3		1	4
Grand Total	**29**	**35**	**39**	**31**	**27**	**30**



False Alarm

Incident Overview

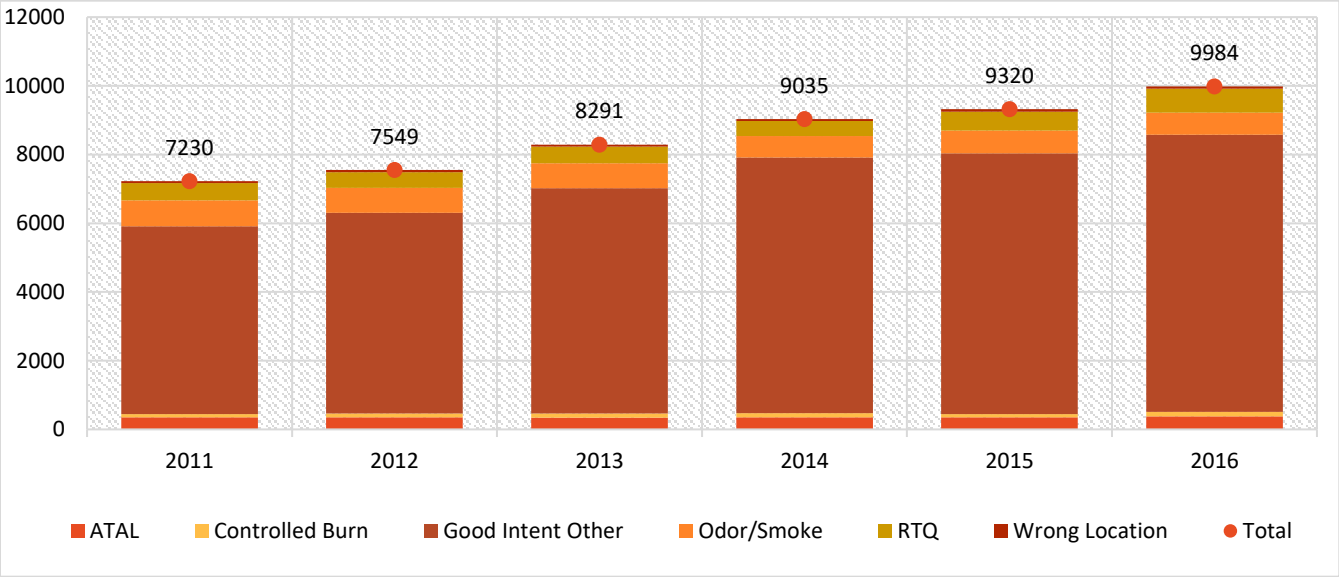
Situation Found	2011	2012	2013	2014	2015	2016
ATAL	**645**	**666**	**628**	**579**	**557**	**604**
ATAL-Detector Operated Due to Particle Contamination	353	345	310	339	358	381
Service Call-Automatic Fire Alarm Sounding (No Fire)	292	321	318	240	199	223
Biohazard Scare					**1**	**3**
False-Biohazard Scare					1	3
Bomb Scare	**1**		**1**	**1**	**2**	
False-Bomb Scare, No Bomb	1		1	1	2	
False Alarm	**115**	**135**	**124**	**132**	**141**	**159**
ATAL-System Vandalized	1	2	3	1	1	4
False-Residential Smoke Detector Sounding (Malfunction)	114	133	121	131	140	155
False Call	**291**	**328**	**299**	**410**	**479**	**408**
ATAL-Malicious, Mischievous False Call	53	28	42	67	60	53
False-Call Not Classified Above	208	277	210	291	371	321
False-Malicious Mischievous False Call	30	23	47	52	48	34
System Malfunction	**1031**	**935**	**1018**	**1059**	**1143**	**1140**
ATAL-System Malfunction - Discharged (Automatic)	63	53	59	60	67	53
ATAL-System Malfunction - Lightning / Power Surge	44	37	24	27	49	45
ATAL-System Malfunction - Unknown Cause	594	540	602	607	630	664
False-Automatic Co Alarm Sounding (Malfunction)	228	220	236	234	267	231
System Malfunction	102	85	97	131	130	147
System Test	**149**	**144**	**140**	**159**	**159**	**158**
ATAL-Alarm Testing - Failed to Notify Alarm Co.	130	135	125	144	142	147
ATAL-System Flow Testing - Failed to Notify Alarm Co.	19	9	15	15	17	11
Unintentional	**507**	**505**	**475**	**578**	**603**	**588**
ATAL-Accidental Pull Station Activation	206	222	194	212	245	207
ATAL-Accidental System Discharge (By Occupant)	164	128	120	160	151	150
Unintentional	137	155	161	206	207	231
Total	**2739**	**2713**	**2685**	**2918**	**3085**	**3060**



Good Intent

Incident Overview

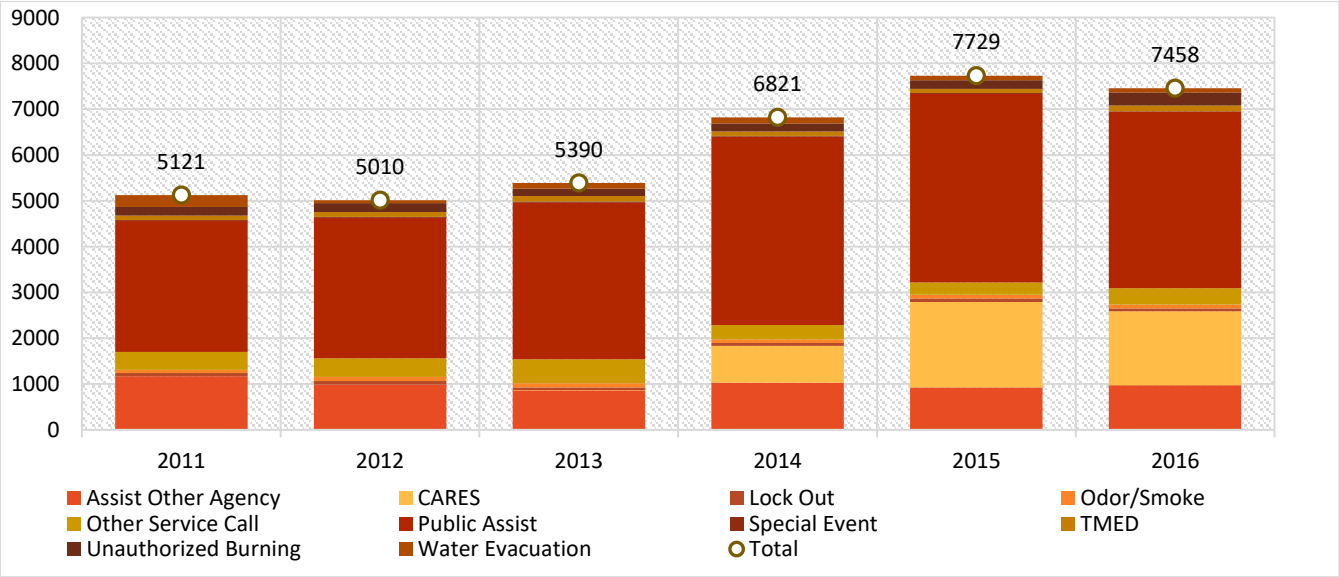
Situation Found	2011	2012	2013	2014	2015	2016
ATAL	**356**	**353**	**340**	**354**	**350**	**380**
ATAL-Smoke Conditions Only - No Fire	265	244	233	242	265	279
Residential Smoke Detector Sounding (No Fire)	64	81	79	83	60	75
Good Intent-Vicinity Alarm	27	28	28	29	25	26
Controlled Burn	**88**	**112**	**126**	**115**	**94**	**128**
Controlled Burning	32	44	39	36	24	38
Good Intent-Controlled Burning	56	68	87	79	70	90
Good Intent Other	**5469**	**5836**	**6552**	**7448**	**7594**	**8071**
Good Intent - Biohazard Scare	2	5	3	1		3
Good Intent-Not Classified Above	5467	5831	6549	7447	7594	8068
Odor/Smoke	**755**	**730**	**729**	**619**	**662**	**638**
Good Intent-Steam, Other Gas Mistaken for Smoke	69	78	95	74	72	66
Service Call-Smoke, Odor Condition	686	652	634	545	590	572
RTQ	**505**	**452**	**489**	**445**	**544**	**698**
Good Intent-Rtq Prior to Arrival	505	452	489	445	544	698
Wrong Location	**57**	**66**	**55**	**54**	**76**	**69**
Good Intent-Wrong Location	57	66	55	54	76	69
Total	**7230**	**7549**	**8291**	**9035**	**9320**	**9984**



Service Call

Incident Overview

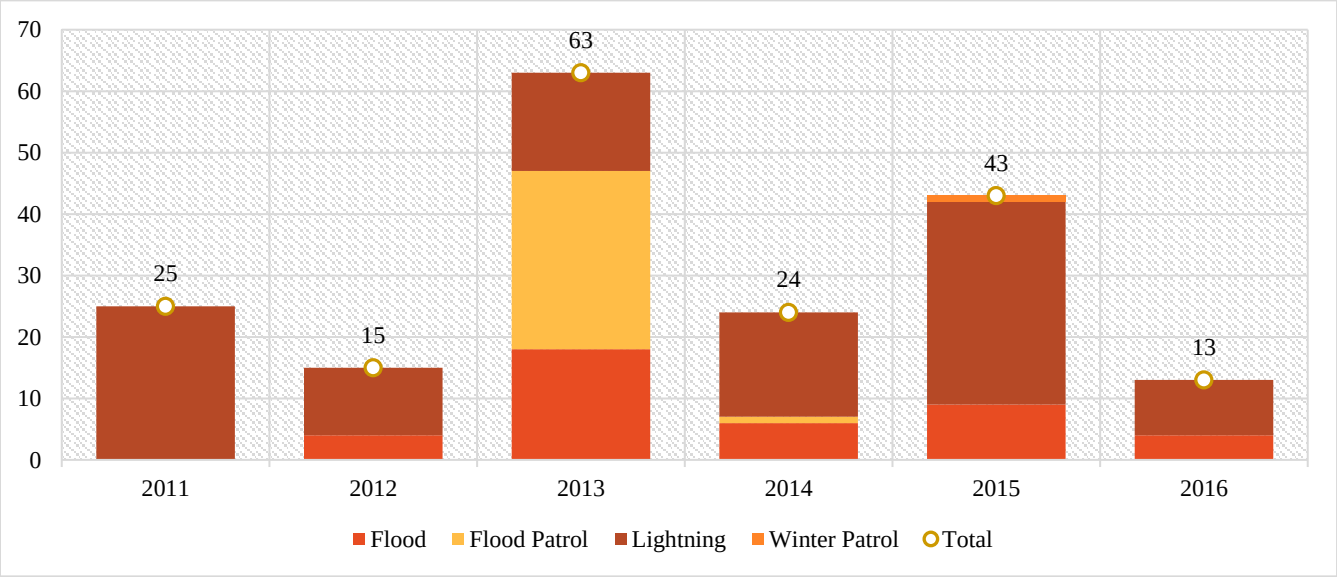
Situation Found	2011	2012	2013	2014	2015	2016
Assist Another Agency	**1167**	**989**	**865**	**1030**	**929**	**978**
Service Call-Assist Another Agency	1167	989	865	1030	929	978
CARES			**2**	**805**	**1863**	**1609**
Service Call-Cares Call			2	805	1863	1609
Lock Out	**70**	**74**	**59**	**65**	**77**	**61**
Service Call-Lock-Out (See Rescue-Lock-In)	70	74	59	65	77	61
Odor/Smoke	**76**	**91**	**90**	**73**	**81**	**86**
Service Call-Smoldering Food (No Ignition)	76	91	90	73	81	86
Other Service Call	**386**	**405**	**525**	**318**	**264**	**360**
Cover Assignment Standby, Move-Up	8	6	3	2	7	5
Service Call-Move-Up to Non-City Fire Station			2			1
Service Call-Not Classified Above	378	399	520	316	257	354
Public Assist	**2860**	**3068**	**3415**	**4109**	**4119**	**3843**
Misc.- Life Safety Inspection		3	3	2	2	1
Service Call-Public Assist (No Medical)	2860	3065	3412	4107	4117	3842
Special Event	**21**	**24**	**25**	**18**	**20**	**14**
Misc.-Special Events (Coordinator Only)	21	24	25	18	20	14
TMED	**97**	**102**	**121**	**97**	**88**	**132**
Service Call-Tactical Medical Response Operations	55	79	112	85	76	93
Service Call-Tactical Medical Standby	42	23	9	12	12	39
Unauthorized Burning	**188**	**197**	**163**	**177**	**193**	**283**
Service Call-Unauthorized Burning	188	197	163	177	193	283
Water Evacuation	**256**	**60**	**125**	**129**	**95**	**92**
ATAL-Water Flow Due to Pipe Break	137	26	74	79	52	54
Service Call-Water Evacuation	119	34	51	50	43	38
Total	**5121**	**5010**	**5390**	**6821**	**7729**	**7458**



Severe Weather

Incident Overview

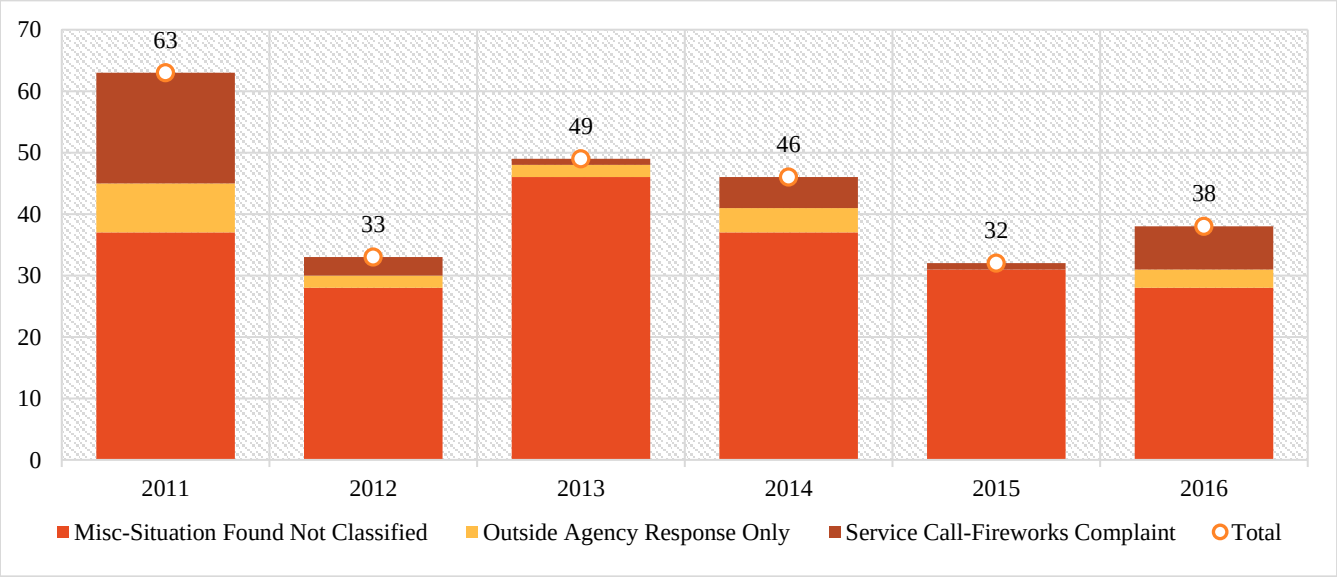
Situation Found	2011	2012	2013	2014	2015	2016
Flood		4	18	6	9	4
Flood Patrol			29	1		
Lightning	25	11	16	17	33	9
Winter Patrol					1	
Total	**25**	**15**	**63**	**24**	**43**	**13**



Other

Incident Overview

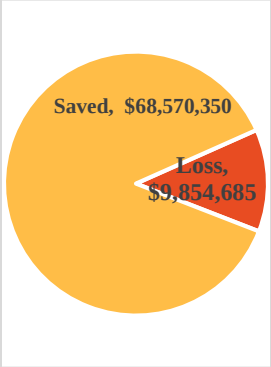
Situation Found	2011	2012	2013	2014	2015	2016
Fireworks	**18**	**3**	**1**	**5**	**1**	**7**
Service Call-Fireworks Complaint	18	3	1	5	1	7
Other	**45**	**30**	**48**	**41**	**31**	**31**
Misc.-Type Situation Found Not Classified Above	37	28	46	37	31	28
Outside Agency Response Only	8	2	2	4		3
Total	**63**	**33**	**49**	**46**	**32**	**38**



Division of the Fire Marshal

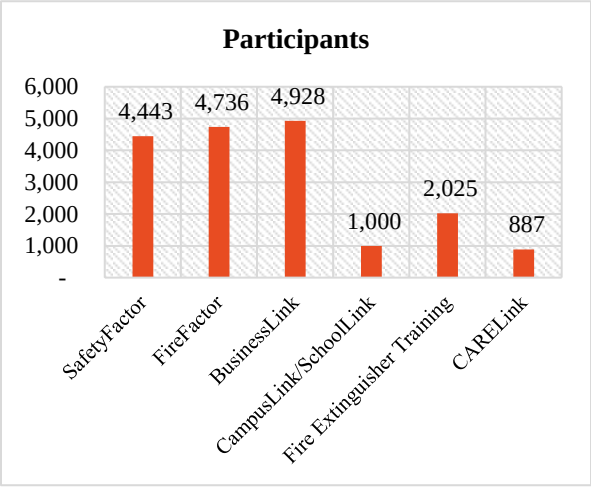
Code Service

Inspections	Regular	2,120
Investigations	Fire Fatalities	1
	Investigator Responses	281
	Origin & Cause Inspections	146
	Origin & Cause Fire/Explosion Incidents	128
	Origin & Cause Fire/Explosion Incidents Identification Rate	66%
	Origin & Cause Inspections Resulting in Incendiary or Arson	19
Loss vs. Save	Fire/Explosion Loss	$ 9,854,685
	Saved	$ 68,570,350



Community Education and Outreach

Educational Contact		16,612
SafetyFactor	Student Participants	4,443
	Reassessments	773
FireFactor	Student Participants	4,736
	Referrals	81
BusinessLink	Attendees	4,928
CampusLink/SchoolLink	Attendees	1,000
Fire Extinguisher Training	Participants	2,025
	Locations	38
CARELink	Participants	887



Wildfire Mitigation

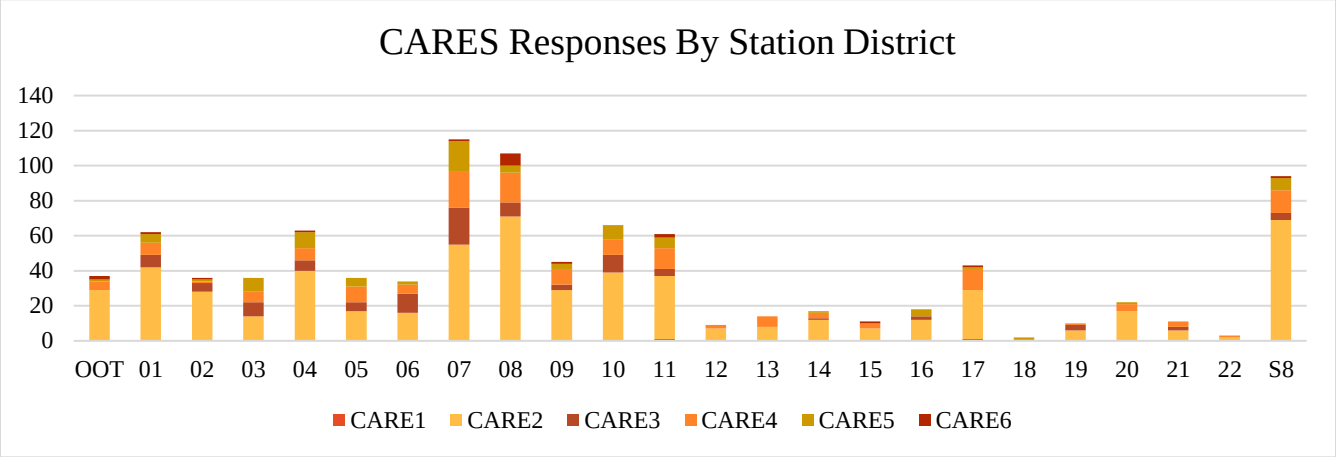
On-Site Visits		223
Participants		1,154
Acres Treated		1,721
Neighborhood Chipping	Participants	3,270
	Organic Material Removed (Tons)	420

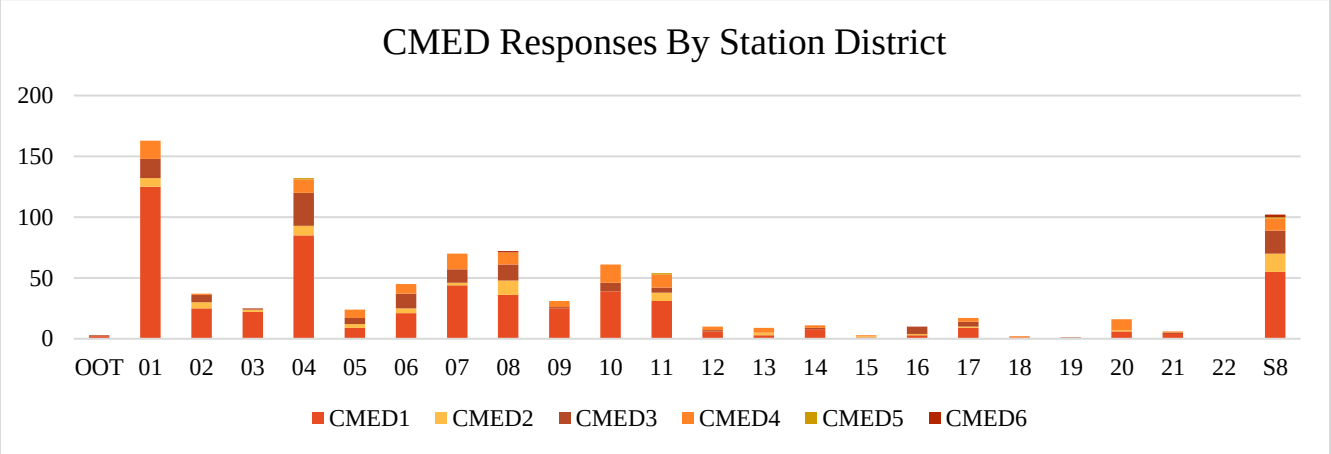
Construction and Technical Services

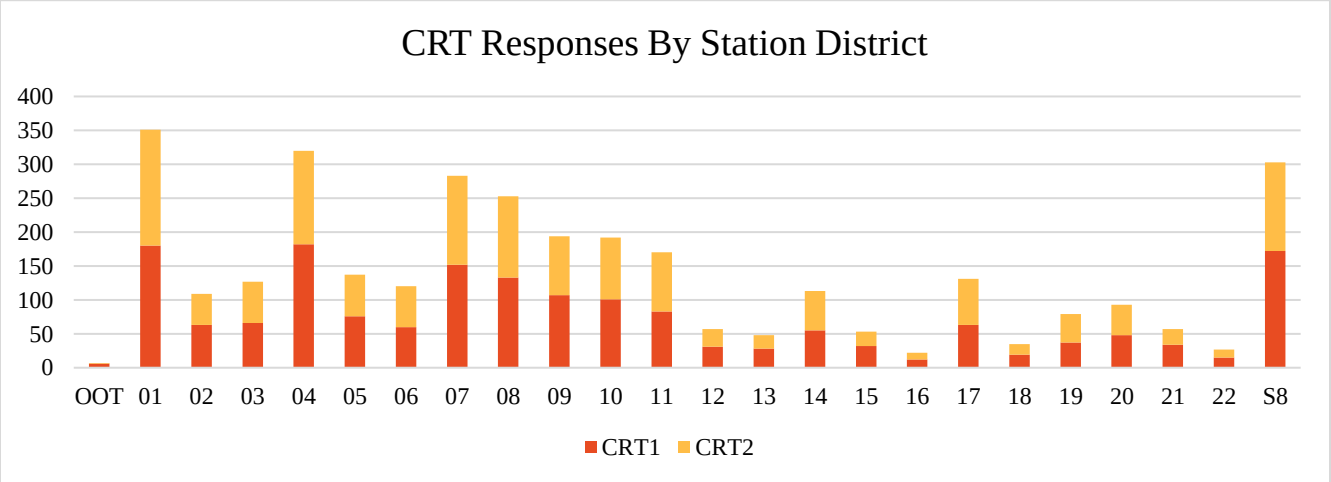
Construction Services	Plan Reviews	5,184
	New Construction Inspections	2,615
Technical Services	Development Plan Reviews	465
	HazMat Plan Reviews	362
	Special Plan Reviews	Pending
	Marijuana Inspections	Pending

Community & Public Health

Company	Situation Found Type	2013	2014	2015	2016
CARES	Not Available				
CARES	CARES				945
CARES	Emergency Medical				4
CARES	Mobile Health				1
CARES	Public Assist				2
CARES	Trash Fire				
CARES Total					**952**
CMED	Not Available	31			
CMED	Assist Another Agency			1	2
CMED	CARES	2	818	1870	659
CMED	Emergency Medical	6	39	68	182
CMED	False Call		1		1
CMED	Good Intent	109	90	8	29
CMED	In Station Alarm			2	
CMED	Mobile Health		1	10	10
CMED	Other	6		2	
CMED	Other Service Call	182			1
CMED	Public Assist	66	46	25	15
CMED	RTQ			1	5
CMED	Structure Fire		1		
CMED	Traffic Accident		3	2	
CMED	Unintentional		1	1	
CMED	Vehicle Fire			1	
CMED Total		**402**	**1000**	**1991**	**904**
CRT	Not Available		1		3
CRT	Assist Another Agency			6	8
CRT	CARES			1	6
CRT	Emergency Medical		15	115	208
CRT	Extrication				1
CRT	False Call			3	
CRT	Good Intent		17	44	46
CRT	In Station Alarm			3	
CRT	Mobile Health		120	2184	2989
CRT	Other Medical			3	
CRT	Other Service Call			1	2
CRT	Outside Fire				1
CRT	Public Assist		2	8	8
CRT	RTQ				4
CRT	Structure Fire				1
CRT	System Test			1	
CRT	Traffic Accident				3
CRT	Wrong Location			2	1
CRT Total			**155**	**2371**	**3281**
Grand Total		**402**	**1155**	**4362**	**5137**


CARES Responses By Station District
140
120
100
80
60
40
20
0
OOT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 S8
CARE1 CARE2 CARE3 CARE4 CARE5 CARE6


CMED Responses By Station District
200
150
100
50
0
OOT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 S8
CMED1 CMED2 CMED3 CMED4 CMED5 CMED6


CRT Responses By Station District
400
350
300
250
200
150
100
50
0
OOT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 S8
CRT1 CRT2

Mutual Aid

Mutual Aid	2011	2012	2013	2014	2015	2016
RECEIVED	21	14	22	39	50	25
False Alarm	3	1	1	3	5	2
Fire	3	3	2		2	5
Good Intent	5	5	11	8	9	2
Hazardous Condition				1		1
Medical	8	5	8	20	27	10
Other				1		
Rescue				3	3	4
Service Call	2			3	4	1
GIVEN	272	299	218	274	336	304
False Alarm	5	9	15	9	13	7
Fire	17	11	11	9	9	9
Good Intent	16	22	21	27	63	29
Hazardous Condition	8	1	4	1		2
Medical	173	212	132	171	184	138
Other	8	2	2	3		4
Over-Pressure Rupture				1		1
Rescue	7	6	8	19	28	19
Service Call	38	35	24	34	37	95
Severe Weather		1	1		2	

Mutual Aid Received

Mutual Aid	2011	2012	2013	2014	2015	2016
Received	21	14	22	39	50	25
(Blank)	1	1		1	1	2
Air Force Academy Fire Department				3	3	2
Black Forest Fire Rescue District			1		2	
Broadmoor Fire Protection District	1	3	8	2	5	2
Cimarron Hills Fire Protection District	1					
Colorado Centre			1		1	
Colorado State Forest Service	1					
Donald Wescott Fire Protection District	13	5	5	10	9	1
El Paso County Fire Marshall (E.P.S.O)	1			1		2
El Paso County Search & Rescue				1		1
Ellicott Fire Protection District				1		
Falcon Fire Protection District			1			
Fort Carson Fire Department			1	1		1
Highway 115 Fire Protection District					1	
Manitou Springs Volunteer Fire Department		1				
Norad/Cheyenne Mtn Fire Department	1	1	3	17	22	10
Peterson Afb Fire Department		1	1		1	
Security Fire Protection District					2	
State Patrol		1				
Stratmoor Hills Fire Protection District	1	1	1	2	3	3
United States Forest Service	1					1

Mutual Aid Given

Mutual Aid	2011	2012	2013	2014	2015	2016
Given	**272**	**299**	**218**	**274**	**336**	**304**
(Blank)	204	213	119	196	221	222
Air Force Academy Fire Department	1	1		13	23	10
Black Forest Fire Rescue District	3	1	4	3	2	4
Broadmoor Fire Protection District	11	32	29	16	9	6
Calhan Volunteer Fire Department		1		1		1
Cimarron Hills Fire Protection District	5	4	14	6	3	4
Colorado Centre	3	4	5	4	14	18
Colorado State Forest Service	2	1				
Crystal Park Volunteer Fire Department	2			1		1
Department/Agency Not Specified Above	6	1		2		2
Divide/Florissant Fire Protection District					1	
Donald Wescott Fire Protection District	2	5	5	10	17	2
El Paso County Fire Marshall (E.P.S.O)		2	2		1	2
El Paso County Search & Rescue		2			1	1
Ellicott Fire Protection District	1	4	1		2	1
Falcon Fire Protection District	2	2	2	1		3
Fort Carson Fire Department	1	4	1		1	4
Fountain Fire Department	3	1	2	1	2	1
Hanover Volunteer Fire Department		1			1	
Highway 115 Fire Protection District						
Manitou Springs Volunteer Fire Department	2	1	5	2	1	
Norad/Cheyenne Mtn Fire Department	1	2	2	3	17	3
Northeast Teller County Fire Protection District		1				
Peterson Afb Fire Department		5	7	3	7	6
Peyton Fire Protection District					1	1
Security Fire Protection District			1	2	3	4
Stratmoor Hills Fire Protection District	21	11	16	9	5	6
Tri-County Volunteer Fire Department			1		2	
Tri-Lakes Fire Protection District					2	2
United States Forest Service	2		2			
Victor Volunteer Fire Department				1		

Appendix

Appendix A: Glossary

12-Minute Structure Fire Response (12-Min SFIR): ERF for structure fires is defined as two engines and one truck all arriving emergent. The goal to have SFIR ERF arrive at situations within 12 minutes, 90% of the time.
8-Minute First Company Response Coverage (8-Min FCR): Measure is defined as arrival of the first emergent apparatus to incidents within one of the 9 PEZs. The goal is to have the first unit arrive on scene to emergent incidents within 8 minutes, 90% of the time.
Alarm Time: This is the time the alarm is received by the 911 call center.
Arrival Time: This is the time the first company arrives to the incident.
ATAL: Automatic Alarm
ATCO: Automatic Alarm - Carbon Monoxide
ATMA: Automatic Alarm - Medical
CAGR: Compound Annual Growth Rate.
CAD: Computer Aided Dispatch
Company Response Time: This is the difference between dispatched time and arrival time.
Cover: The percentage of time that the fire department meets its response coverage goals.
Dispatched Time: This is the time a CSFD company is assigned to the call.
ERF: Effective Response Force
Emergent Response Incident: An incident to which the apparatus responded "emergent" (lights and sirens) the entire route. Only incidents where the apparatus responded emergent the entire route are included in response coverage figures.
Fire Demand Zone (FDZ): The smallest geographical unit at which incident rates are measured by the CSFD
First-Due Response Area or Still District: The area to which a station is assigned as the first responding station. If the First-Due station is out of service, the second due station is called, etc.
GFIR: Grass Fire
HAZCND: Hazardous Condition
HZMT: Hazardous Material
Incident: A call received by the Communications Center through 911 to which at least one CSFD apparatus was assigned.
INV: Investigation
MED: Medical
MPDS Category: Medical Priority Dispatch System. A five-digit code and method used to classify and prioritize medical incidents.
MPDS Priority: A value usually ranging from A to E, with A being the least emergent category and E being the greatest.
MUA: Mutual Aid
OthFir: Other Fire
Planning Evaluation Zone (PEZ): There are 9 Planning Evaluation Zones in the city. Coverage statistics and standards are often evaluated at both the PEZ and city levels.
Resc: Rescue
Response Time: The time between receiving a call and the company is en route and begins traveling towards an incident.
SFIR: Structure Fire
Situation Found: Multiple "situation found" can be identified for an incident. Unless otherwise stated, all tables and graphs are categorized by the primary situation found. (Alternatively, calls may be classified by "CAD Category." These tables are explicitly identified.)
TA: Traffic Accident
TEMS: Tactical Emergency Medical Services
Total Response Time: This is the difference between alarm time and arrival time.
Turn-Out Time: This is the difference between dispatched time and response time.
VFIR: Vehicle Fire

Appendix B: Tables

Table: Incidents by Month

Year	Not Set	False Alarm	Fire	Good Intent	Hazardous Condition	Medical	Other	Rupture	Rescue	Service Call	Severe Weather	Total
2010	36	2695	838	6315	379	33716	45	33	1385	3830	34	49306
Jan	2	192	59	511	24	2686	3		125	308	1	3911
Feb	1	196	40	405	23	2512	3	3	125	261		3569
Mar	1	248	56	483	33	2741	3	3	84	268		3920
Apr	4	230	64	466	24	2736	7	1	108	278		3918
May	2	242	78	564	35	2945	4	1	111	369		4351
Jun	4	241	97	556	27	2753	5	6	96	319	2	4106
Jul	3	237	114	566	31	2948	5	2	102	351	11	4370
Aug	1	241	48	543	51	2986	3	2	100	338	16	4329
Sep	5	205	68	557	27	2922		5	103	319		4211
Oct	4	238	72	596	36	2870	3	5	128	354	4	4310
Nov	5	209	62	528	31	2687	3	3	130	336		3994
Dec	4	216	80	540	37	2930	6	2	173	329		4317
2011	57	2739	800	7230	414	35012	63	29	1688	5121	25	53178
Jan		205	59	553	37	2823	5	2	127	375		4186
Feb	4	271	66	548	26	2706	7	3	121	531		4283
Mar		184	73	552	38	2994	4	2	117	346		4310
Apr	3	190	60	565	35	2854	11	1	133	406	2	4260
May	1	192	77	564	36	3072	2	5	140	391		4480
Jun	6	207	103	728	38	2818	5	3	156	470		4534
Jul	27	272	83	753	36	3101	15	6	155	475	12	4935
Aug	5	257	65	651	36	3211	4		177	396	11	4813
Sep	3	249	31	610	35	2966	3	2	136	395		4430
Oct	4	221	62	571	32	2816	2	4	137	448		4297
Nov	3	237	65	537	25	2754	3	1	132	379		4136
Dec	1	254	56	598	40	2897	2		157	509		4514
2012	45	2713	711	7549	381	36202	33	35	1988	5010	15	54682
Jan		175	50	532	22	3043	3	1	142	436		4404
Feb	2	185	39	540	45	2801	2	2	176	460		4252
Mar	1	228	96	649	31	3057	2	4	149	474		4691
Apr	4	203	58	562	36	3009	4	1	158	357		4392
May	4	239	80	555	32	3133	1	2	142	403		4591
Jun	12	215	71	742	39	2903	4	6	149	407	1	4549
Jul	3	268	59	794	36	3082	5	3	153	446	8	4857
Aug	4	213	58	664	29	3086	1	3	195	421	1	4675
Sep	4	235	41	600	26	3135	3	2	155	403	4	4608
Oct	5	282	58	609	26	2987	3	7	193	390		4560
Nov	1	209	59	652	34	2882	3	4	173	410		4427
Dec	5	261	42	650	25	3084	2		203	403	1	4676
2013	98	2685	599	8291	339	36507	49	39	2338	5390	63	56398
Jan	2	247	56	679	24	3085	4	4	161	424		4686
Feb	1	162	35	530	28	2820	4		174	354		4108
Mar	4	220	48	628	23	3091	2	2	178	417	1	4614
Apr	1	206	66	645	24	2994	2	3	187	420		4548
May	4	221	56	679	36	3072	2	3	187	464	3	4727
Jun	31	198	88	781	34	3032	9	4	184	470	4	4835
Jul	5	217	39	698	24	3155	4	5	174	457	17	4795
Aug	4	249	42	786	43	3284	6	4	202	481	24	5125
Sep	14	235	35	751	23	3080	6	3	220	469	14	4850
Oct	19	244	40	694	29	2990	1	4	210	449		4680
Nov	11	207	52	723	31	2809	6	1	212	402		4454
Dec	2	279	42	697	20	3095	3	6	249	583		4976
2014	68	2918	643	9035	316	36981	46	31	2713	6821	24	59596
Jan	10	222	41	747	34	3041	2	4	244	499		4844
Feb	1	263	36	676	33	2880	3	3	191	568		4654
Mar	3	236	55	613	17	3086	3	1	167	520	1	4702
Apr		246	59	641	27	2934	6	4	181	583		4681

Year	Not Set	False Alarm	Fire	Good Intent	Hazardous Condition	Medical	Other	Rupture	Rescue	Service Call	Severe Weather	Total
May	22	232	48	797	22	3134	4		205	613	7	5084
Jun	5	243	74	767	26	3011	2	6	184	550	4	4872
Jul	12	275	64	833	23	3114	8		234	578	8	5149
Aug	2	222	55	796	21	3297	1	4	234	573	3	5208
Sep	4	237	55	782	27	3088	4		228	532		4957
Oct	2	246	43	784	28	3020	6	5	247	579	1	4961
Nov	5	256	59	767	31	2973	5	1	288	587		4972
Dec	2	240	54	832	27	3403	2	3	310	639		5512
2015	11	3085	556	9320	315	40821	32	27	2873	7729	43	64812
Jan		187	42	740	26	3289	2	1	262	649		5198
Feb	2	196	40	660	16	2973		4	238	535	1	4665
Mar		217	56	725	20	3342		5	177	558		5100
Apr	2	244	60	688	34	3237	6		213	670	1	5155
May		284	30	750	19	3272	4	3	250	714	10	5336
Jun		299	46	867	29	3407	3	1	195	622	15	5484
Jul	1	274	58	820	35	3545	3	2	213	660	5	5616
Aug		306	46	830	33	3680	3	3	245	745	7	5898
Sep	1	245	53	787	18	3570	4		222	630	3	5533
Oct		305	35	854	31	3512		3	275	661	1	5677
Nov	4	249	41	815	29	3524	4	3	307	643		5619
Dec	1	279	49	784	25	3470	3	2	276	642		5531
2016	11	3060	680	9984	363	42765	38	30	2820	7458	13	67222
Jan		247	58	772	33	3425	3	2	234	601		5375
Feb		234	53	777	24	3442	4		231	598		5363
Mar		221	61	788	33	3690	3	4	218	622		5640
Apr	3	227	51	772	24	3426	2	4	203	591		5303
May		265	60	768	35	3689			221	624	2	5664
Jun	1	263	53	838	48	3446	4	2	216	667	5	5543
Jul	1	281	69	989	25	3630	3	3	237	652	3	5893
Aug	1	317	42	899	25	3621	3	2	275	624	3	5812
Sep	2	245	56	864	27	3595	5	5	252	626		5677
Oct	2	266	60	847	16	3657	4	1	260	572		5685
Nov	1	215	68	798	16	3373	3	2	238	564		5278
Dec		279	49	872	57	3771	4	5	235	717		5989

Table: Incidents by PEZ

Year	Not Aval.	OOT	1	2	3	4	5	6	7	8	9	Total
2010		132	6902	4345	2916	5973	10124	6118	6941	3735	2120	49306
2011		174	7445	4701	3300	6208	10958	6460	7437	4243	2252	53178
2012	1	208	7372	4721	3408	6593	11513	6680	7611	4249	2326	54682
2013		255	7314	5048	3697	6875	11833	6693	7860	4393	2430	56398
2014	3	396	7925	5029	3951	7265	12423	6898	8612	4634	2460	59596
2015		478	8150	5262	4008	7994	13652	7374	9799	5145	2950	64812
2016		510	8719	5410	4383	8155	14197	7468	10013	5379	2988	67222
Total	**4**	**2153**	**53827**	**34516**	**25663**	**49063**	**84700**	**47691**	**58273**	**31778**	**17526**	**405194**

Table: Incidents by Still District

Station	2010	2011	2012	2013	2014	2015	2016
OOT	132	174	208	255	396	478	510
1	3969	4567	4349	4338	4845	5159	5432
2	2141	2182	2228	2155	2364	2375	2393
3	2308	2227	2157	2247	2082	2095	2280
4	4194	4605	4593	4763	5007	5425	5553
5	2254	2437	2569	2794	2822	2990	3136
6	2087	2213	2284	2353	2523	2608	2896
7	4501	4785	4999	5265	5523	5856	5859
8	3840	4252	4651	4584	4815	5269	5258
9	2375	2830	3057	3321	3445	3887	4090
10	2995	3203	3212	3257	3441	4117	4160
11	3008	3206	3242	3468	3469	3748	3934
12	988	1151	1068	1083	1228	1164	1330
13	1593	1673	1799	1786	1856	1822	1857
14	1812	1929	1995	1902	2041	2408	2406
15	760	783	845	919	1093	1263	1372
16	445	528	603	617	616	667	674
17	2201	2332	2312	2406	2474	2937	3053
18	438	439	502	546	585	589	667
19	968	971	922	967	1093	1151	1231
20	1364	1587	1610	1683	1714	1984	2015
21	579	707	800	872	915	1102	1111
22	490	579	598	678	791	817	848
S8	3864	3818	4078	4139	4455	4901	5157
Not Available			1		3		
Grand Total	**49306**	**53178**	**54682**	**56398**	**59596**	**64812**	**67222**

Table: Incidents by FPU

Year / FPU	False Alarm	Fire	Good Intent	Hazardous Condition	Medical	Other	Rupture	Rescue	Service Call	Severe Weather	Not Available	Total
2010	**2669**	**837**	**6286**	**374**	**33554**	**43**	**33**	**1380**	**3798**	**34**	**36**	**49044**
Commercial	714	448	2483	193	9787	25	16	1253	1138	6	2	16065
Industrial	47	3	21	3	161			1	19			255
Institution	504	25	487	14	4489	1	1	9	331		1	5862
Multi Family	265	103	988	26	6005	3	3	21	671	4	1	8090
Other Residential	134	8	123	1	701		1	3	51			1022
Single Family	863	230	1863	120	11846	13	11	34	1447	24	2	16453
Not Available	142	20	321	17	565	1	1	59	141		30	1297
2011	**2731**	**797**	**7208**	**406**	**34829**	**55**	**29**	**1681**	**5081**	**25**	**57**	**52899**
Commercial	729	420	2690	199	9947	17	9	1512	1577	4	2	17106
Industrial	26	5	31	3	159				22			246
Institution	474	19	532	8	4647	2	3	14	434	1		6134
Multi Family	338	86	1133	27	6435	8	2	15	911		2	8957
Other Residential	156	8	157	2	705	1		3	68			1100
Single Family	862	236	2181	150	12221	22	15	36	1800	20	1	17544
Not Available	146	23	484	17	715	5		101	269		52	1812
2012	**2703**	**717**	**7522**	**380**	**35981**	**31**	**35**	**1982**	**4975**	**14**	**45**	**54385**
Commercial	713	376	2936	186	10035	11	9	1777	1556	3	1	17603
Industrial	31	6	34	2	156		2	2	15			248
Institution	459	11	469	7	4940	4	1	15	408			6314
Multi Family	333	81	1043	34	6682	3	3	14	896	2		9091
Other Residential	141	5	149	2	791		1	4	73			1166
Single Family	873	218	2398	128	12573	11	17	40	1813	9		18080
Not Available	153	20	493	21	804	2	2	130	214		44	1883
2013	**2669**	**594**	**8259**	**335**	**36364**	**47**	**39**	**2330**	**5366**	**62**	**98**	**56163**
Commercial	607	293	3143	153	9976	20	14	2092	1565	37	2	17902
Industrial	45	9	39	4	285			3	16	1		402
Institution	448	14	538	10	5059			15	441		1	6526
Multi Family	321	99	1224	23	6600	7	9	21	955	2		9261
Other Residential	164	3	170	1	872	1		5	92			1308
Single Family	902	154	2481	126	12665	13	15	44	1972	14	2	18388
Not Available	182	22	664	18	907	6	1	150	325	8	93	2376
2014	**2906**	**651**	**9000**	**314**	**36787**	**42**	**30**	**2691**	**6783**	**24**	**68**	**59296**
Commercial	655	343	3308	142	9756	17	10	2424	1687	7	1	18350
Industrial	36	6	39	2	207		1	4	15			310
Institution	496	10	583	5	5114	1	2	9	596			6816
Multi Family	316	73	1365	34	6500	4	2	22	1284	2	1	9603
Other Residential	188	5	201		882	1		10	126			1413
Single Family	988	184	2742	115	13189	12	13	50	2540	14		19847
Not Available	227	30	762	16	1139	7	2	172	535	1	66	2957
2015	**3067**	**551**	**9247**	**315**	**40605**	**32**	**27**	**2842**	**7686**	**41**	**11**	**64424**
Commercial	730	292	3577	142	10356	20	5	2514	1608	9		19253
Industrial	41	6	34	4	237	1		2	19			344
Institution	523	9	601	8	5328	1	2	16	615			7103
Multi Family	336	65	1374	24	7007	1	8	18	1622	1		10456
Other Residential	209	8	219		992	1	2	10	143	1		1585
Single Family	998	142	2627	117	14057	8	10	55	3084	20		21118
Not Available	230	29	815	20	2628			227	595	10	11	4565
2016	**3051**	**677**	**9953**	**360**	**42617**	**34**	**29**	**2797**	**7359**	**13**	**11**	**66901**
Commercial	781	372	4015	154	11358	16	9	2539	1724	5	1	20974
Industrial	56	3	42	1	208		2	4	20			336
Institution	508	13	701	7	5835		2	27	632			7725
Multi Family	316	79	1426	29	6759	5	5	14	1445	1		10079
Other Residential	184	4	247	4	995	2		11	104	1	1	1553
Single Family	999	157	2763	150	14018	7	8	48	2526	6		20682
Not Available	207	49	759	15	3444	4	3	154	908		9	5552

Table: Fire Loss by Property Use and Year

Year	FPU Class	Dollar Loss	Dollar Value
2010	Commercial	$11,343,134.00	$1,154,721,406.00
2010	Industrial	$19,500.00	$19,500.00
2010	Institution	$122,505.00	$108,024,305.00
2010	Multi Family	$2,954,381.00	$1,052,334,587.50
2010	Other Residential	$29,500.00	$3,706,001.50
2010	Single Family	$4,112,080.00	$25,757,761.00
2010	Not Available	$119,925.00	$2,000,282,125.00
2010 Total		**$18,701,025.00**	**$4,344,845,686.00**
2011	Commercial	$1,655,799.98	$35,125,648.98
2011	Industrial	$1,060.00	$1,200.00
2011	Institution	$4,005.00	$15,030.00
2011	Multi Family	$1,404,730.00	$28,191,971.50
2011	Other Residential	$39,200.00	$93,016,100.00
2011	Single Family	$3,804,707.00	$19,074,058.00
2011	Not Available	$62,500.00	$1,607,774.00
2011 Total		**$6,972,001.98**	**$177,031,782.48**
2012	Commercial	$2,368,087.00	$168,408,742.00
2012	Industrial	$4,200.00	$2,651,200.00
2012	Institution	$9,275.00	$26,775.00
2012	Multi Family	$1,784,309.00	$23,919,819.00
2012	Other Residential	$27,550.00	$7,750,200.00
2012	Single Family	$113,406,364.00	$144,957,980.00
2012	Not Available	$7,350.00	$1,417,750.00
2012 Total		**$117,607,135.00**	**$349,132,466.00**
2013	Commercial	$3,521,502.00	$13,363,120.00
2013	Industrial	$25,250.00	$664,753.00
2013	Institution	$9,325.00	$2,009,250.00
2013	Multi Family	$4,067,828.00	$36,008,099.00
2013	Other Residential	$4,200.00	$2,638,000.00
2013	Single Family	$3,223,029.00	$16,677,939.00
2013	Not Available	$204,592.00	$1,302,250.00
2013 Total		**$11,055,726.00**	**$72,663,411.00**
2014	Commercial	$1,664,380.00	$43,737,356.00
2014	Industrial	$6,000.00	$10,251,000.00
2014	Institution	$54,650.00	$206,036,096.00
2014	Multi Family	$2,497,162.00	$39,017,456.00
2014	Other Residential	$28,000.00	$6,006,500.00
2014	Single Family	$3,617,438.00	$19,385,383.00
2014	Not Available	$15,770.00	$2,864,070.00
2014 Total		**$7,883,400.00**	**$327,297,861.00**
2015	Commercial	$1,291,568.00	$26,478,752.00
2015	Industrial	$160,500.00	$4,695,500.00
2015	Institution	$835.00	$2,003,515.00
2015	Multi Family	$1,242,487.00	$28,247,616.00
2015	Other Residential	$10,670.00	$1,355,920.00
2015	Single Family	$2,321,650.00	$14,980,197.00
2015	Not Available	$250,931.00	$6,335,890.40
2015 Total		**$5,278,641.00**	**$84,097,390.40**
2016	Commercial	$1,417,522.00	$13,040,967.00
2016	Industrial	$50,100.00	$500,100.00
2016	Institution	$18,725.00	$6,599,075.00
2016	Multi Family	$5,492,257.10	$41,184,781.10
2016	Other Residential	$2,266.00	$7,985,949.00
2016	Single Family	$3,138,727.00	$18,687,614.00
2016	Not Available	$253,558.00	$4,134,841.00
2016 Total		**$10,373,155.10**	**$92,133,327.10**

Table: Truck Responses by Truck District

Truck Company	OOT	01	04	08	09	10	13	17	19	Total
T1	**21**	**12700**	**1050**	**1091**	**482**	**51**	**14**	**15**	**15**	**15439**
2010	3	1559	97	81	20	10	1		2	1773
2011	3	1710	89	94	23	6		1	2	1928
2012	3	1677	115	158	42	2	1			1998
2013	2	1773	143	148	71	7	1	2	2	2149
2014	7	1938	184	183	88	5	4	2	5	2416
2015	2	2024	217	195	118	7	4	8	3	2578
2016	1	2019	205	232	120	14	3	2	1	2597
T4	**80**	**1028**	**10488**	**1030**	**80**	**7**	**49**	**3**	**8**	**12773**
2010	11	58	1144	45	2	1	4	1	1	1267
2011	9	82	1398	63	2		2	1		1557
2012	7	132	1293	110	5		6		1	1554
2013	8	160	1454	147	13	2	6		1	1791
2014	19	172	1517	214	16	2	12		2	1954
2015	12	205	1859	226	19		8		1	2330
2016	14	219	1823	225	23	2	11	1	2	2320
T8	**63**	**692**	**240**	**15150**	**17**	**168**	**1**	**155**	**8**	**16494**
2010	1	54	10	1724	1	4	1	3		1798
2011	1	58	17	1976		8		10		2070
2012	9	78	22	2153	2	9		11	1	2285
2013	7	101	32	2043	1	21		20	1	2226
2014	14	113	44	2205	5	35		31	4	2451
2015	12	148	63	2541	2	47		46	2	2861
2016	19	140	52	2508	6	44		34		2803
T9	**18**	**672**	**111**	**91**	**8153**	**240**	**1**	**26**	**211**	**9523**
2010		29	4	2	716	9		1	4	765
2011	2	37	4	3	888	15		1	6	956
2012		55	4	5	960	21		2	10	1057
2013	1	98	15	11	1091	43		8	33	1300
2014	8	172	36	23	1304	50	1	3	38	1635
2015	4	143	22	27	1510	44		6	57	1813
2016	3	138	26	20	1684	58		5	63	1997
T10	**29**	**184**	**23**	**712**	**620**	**7707**		**672**	**297**	**10244**
2010	1	15	1	26	25	848		36	24	976
2011	4	10		46	64	935		57	30	1146
2012	11	11	4	80	72	1040		86	49	1353
2013	3	25	4	96	113	1073		114	67	1495
2014	4	48	7	150	116	1141		116	35	1617
2015	1	37	3	171	104	1393		154	42	1905
2016	5	38	4	143	126	1277		109	50	1752
T19	**210**	**48**	**18**	**44**	**313**	**357**		**114**	**5401**	**6505**
2010	14	2		1	20	17		5	554	613
2011	4			2	15	23		9	615	668
2012	8	4		5	45	52		19	605	738
2013	10	11	1	10	37	56		14	610	749
2014	24	13	3	8	65	78		14	796	1001
2015	57	9	7	6	67	73		26	824	1069
2016	93	9	7	12	64	58		27	1397	1667

Table: Primary Assessment

Primary Assessment	2010	2011	2012	2013	2014	2015	2016
Not Available	10247	3	6	5	22	5	11
Abdominal Pain	1176	1544	1463	1368	1413	1573	1494
Airway Obstruction	87	122	96	84	86	107	102
Allergic Reaction	171	218	184	226	210	254	261
Altered Lock	1757	2447	1935	1890	1624	1591	1351
Birth (For Neonate Only)	7	13	14	21	13	20	23
Burns	41	52	47	35	34	24	41
Cardiac Arrest (Medical)	209	337	303	381	353	349	379
Cardiac Arrest (Trauma)	16	18	13	17	12	21	20
Cardiac Dysrhythmia	175	256	209	209	212	230	258
Chest Pain / Cardiac Symptom	1220	1403	1581	1410	1491	1514	1546
Diabetic Symptom	373	512	449	440	523	493	510
Do Not Resuscitate	12	20	34	28	17	21	32
Electrocution	5	5	23	17	29	26	14
Exacerbation of Pre-Existing Med Condition	920	3861	4681	5516	6046	6839	6841
Flu Like Symptoms	591	910	850	787	789	684	686
General Illness	1614	3229	3357	3200	3349	3947	4482
Hemorrhaging / Bleeding	310	380	382	370	344	388	412
Hyperthermia / Environmental	12	21	18	18	11	13	15
Hypothermia / Environmental	7	24	13	21	31	37	35
Hypovolemia / Shock	29	33	31	40	32	30	26
Inhalation Injury (Toxic Gas)	28	28	22	21	32	30	37
Medical Eval Only No Obvious Injury	581	1637	1661	1712	1798	1980	1947
Mobile Mental Health Eval (MMH Team Only)					92	1417	1942
Ob Delivery (For Maternal Only)	22	38	39	43	51	59	51
Obvious Death / DOA	166	265	303	295	333	333	417
Other	2234						
Overdose - Drug and Alcohol							1310
Poisoning	616	985	1093	1088	998	1168	263
Pregnancy Complications	84	155	148	146	135	148	121
Psych / Behavioral Disorder	1143	1681	1627	1614	1456	1394	1343
Respiratory Arrest	10	17	24	25	39	44	26
Respiratory Distress	938	1458	1374	1306	1310	1265	1174
Seizure	943	1384	1323	1431	1302	1373	1448
Sexual Assault	14	20	27	27	19	17	16
Stings / Venomous Bites	20	24	34	29	18	37	36
Stroke / CVA / TIA	270	416	393	405	410	471	498
Syncope / Fainting	766	1231	1221	1185	1176	1190	1329
Traumatic Injury	5298	7969	8020	7701	7445	8059	8401
Total	**32112**	**32716**	**32998**	**33111**	**33255**	**37151**	**38898**

Table: Secondary Assessment

Secondary Assessment	2010	2011	2012	2013	2014	2015	2016
Abdominal Pain	1305	534	518	495	535	625	611
Abdominal Trauma	76	68	74	80	47	40	48
Acid Reflux	54	76	58	45	44	60	51
Airway Obstruction	51	30	17	7	20	10	14
Alcohol Intoxication	2959	2971	2651	2336	1955	1971	1805
Allergic Reaction	144	48	40	33	24	25	31
Altered Mental Status	777	405	373	438	434	409	388
Anxiety	1224	1268	1293	1289	1304	1416	1444
Aortic Aneurysm	8	13	10	7	2	5	7
Arrhythmia	239	197	197	180	162	129	112
Asphyxiation	8	4	10	6	8	12	3
Asthma	237	245	239	231	254	243	249
Back Pain - Non-Traumatic	643	437	522	441	396	429	377
Back Trauma	868	772	792	697	582	471	554
Bite/Sting	25	40	21	29	18	31	20
Bleeding	288	215	293	230	219	255	219
Burns	25	8	6	7	10	8	10
Cancer	135	132	130	112	107	128	122
Cardiac Arrest-Asystole	114						
Cardiac Arrest-Other	50						
Cardiac Arrest-V-Fib/V-Tach	35						
Chest Pain/Cardiac	715	180	85	94	125	127	146
Chest Pain/Non-Cardiac	800	560	575	559	518	495	489
Chest Trauma	213	136	121	121	92	95	119
Co Poisoning	26	11	12	11	13	20	9
Coma	2	4	3			1	
Congestive Heart Failure	116	134	131	107	137	105	106
COPD	194	258	312	278	327	341	275
Croup	19	19	19	9	8	8	11
CVA	161	91	81	80	51	71	41
Diabetes	360	482	519	483	514	518	486
Diarrhea	347	272	270	262	244	251	275
Difficulty Breathing	1411	958	984	929	987	920	925
Dizziness	876	703	701	687	675	733	798
DOA	134						
Drowning	6	3	4	4		2	2
Ectopic Pregnancy	4	5	8	4	1	6	2
Electrocution	2	1	3	2	2	3	2
Emphysema	37	34	33	27	19	22	18
Epistaxis	110	74	62	52	62	75	71
ETOH Withdrawal Symptoms	37	38	31	53	49	68	54
Extremity Pain	839	649	524	531	518	435	436
Extremity Trauma	1826	1572	1556	1455	1351	1439	1470
Facial Trauma	668	493	453	412	368	355	359
Flu Like Symptoms	497	331	308	272	320	322	263
Frostbite/Cold Injury	6	5	5	6	11	5	5
G.I. Bleed	117	71	72	66	53	67	61
General Pain	259	540	683	791	831	877	919
General Weakness	1142	934	989	1047	1240	1374	1402
Hazmat Exposure	6	4	1	3	4	2	
Head Trauma	1401	1211	1225	1162	1004	1051	1112
Headache	455	323	334	303	322	320	334
Heat Exhaustion	14	22	24	10	12	9	15
Heat Exhaustion/Stroke	1						
Heat Stroke	1	1	1		3	1	
Hyperglycemia	157	105	108	99	81	110	88
Hypertension	576	582	664	610	520	587	613
Hyperthermia	26	22	14	12	10	3	7
Hypoglycemia	453	314	273	259	225	217	199
Hypotension	300	279	255	224	231	204	215

Secondary Assessment	2010	2011	2012	2013	2014	2015	2016
Hypothermia	17	14	9	13	6	18	8
Infectious Disease	19	17	9	14	16	12	12
Inhalation Injury	18	12	4	7	9	2	9
Lightning Strike	2	1	1		1	2	
Medical Clearance/OC Spray (For PD Only)	4	2	1			2	1
Medical Clearance/Other (For PD Only)	12	4	10	7	5	1	4
Medical Clearance/Taser (For PD Only)	6	2	2	1	3	2	1
Mental Disability	32	23	30	27	21	18	10
Migraine	75	107	78	61	55	67	70
Multisystem Trauma	43	50	40	26	28	23	30
Myocardial Infarction	35	53	50	47	43	35	33
Nausea/Vomiting	1438	1093	1145	1086	1089	1115	1171
Near Drowning	5	2	3	5	6	4	3
Near Syncope	232	150	133	95	76	81	83
Neck Trauma	722	585	601	538	368	349	359
Neurological Disorder (MS/CP)	22	28	20	15	14	22	14
Newborn	4	2	5	5	1	7	6
No Apparent Illness	298						
No Apparent Injury	713						
Normal Delivery	12	8	11	14	15	11	10
Ob Complications	77	84	63	52	47	40	34
Ob/Gyn	105						
Pacemaker	22	28	26	22	29	20	20
Pelvic Trauma	175	123	143	147	115	97	100
Pneumonia	130	134	124	135	121	117	119
Poison/Overdose	606	428	378	384	292	318	262
Possible Biohazard Exposure	3		1		1	1	
Possible Child Abuse	3	7	1	4	2	2	3
Possible Dehydration	137	117	133	110	162	187	258
Possible Drug Use	237	240	272	337	327	320	342
Possible Miscarriage	9	23	21	15	16	20	19
Possible Sexual Assault	14	13	11	7	3	10	9
Possible Viral Infection/Flu	62	59	71	62	100	94	121
Preexisting Medical Condition	1615	1846	2002	1969	2146	1933	2150
Prosthetic	1	3	2	1	2		
Psychiatric	1279	1102	1041	950	876	928	1297
Renal Failure	50	31	41	43	38	43	49
Respiratory Arrest	30	38	39	27	25	34	18
Seizure	1029	627	590	549	589	638	613
Sepsis	57	55	49	39	44	51	53
Severe Illness/Nonspecific	132	109	67	46	34	40	35
Shock	4	5	4	5	1	5	5
Spinal Injury	61	45	46	29	6	7	5
Syncope	503	251	234	202	202	194	204
Toxic Exposure-Face/Eyes	9	6	3	5	3	5	4
Transient Ischemic Attack	97	55	48	39	25	31	28
Vaginal Bleeding	37	44	37	23	27	25	26
Grand Total	**33772**	**26510**	**26286**	**24850**	**24038**	**24437**	**24990**

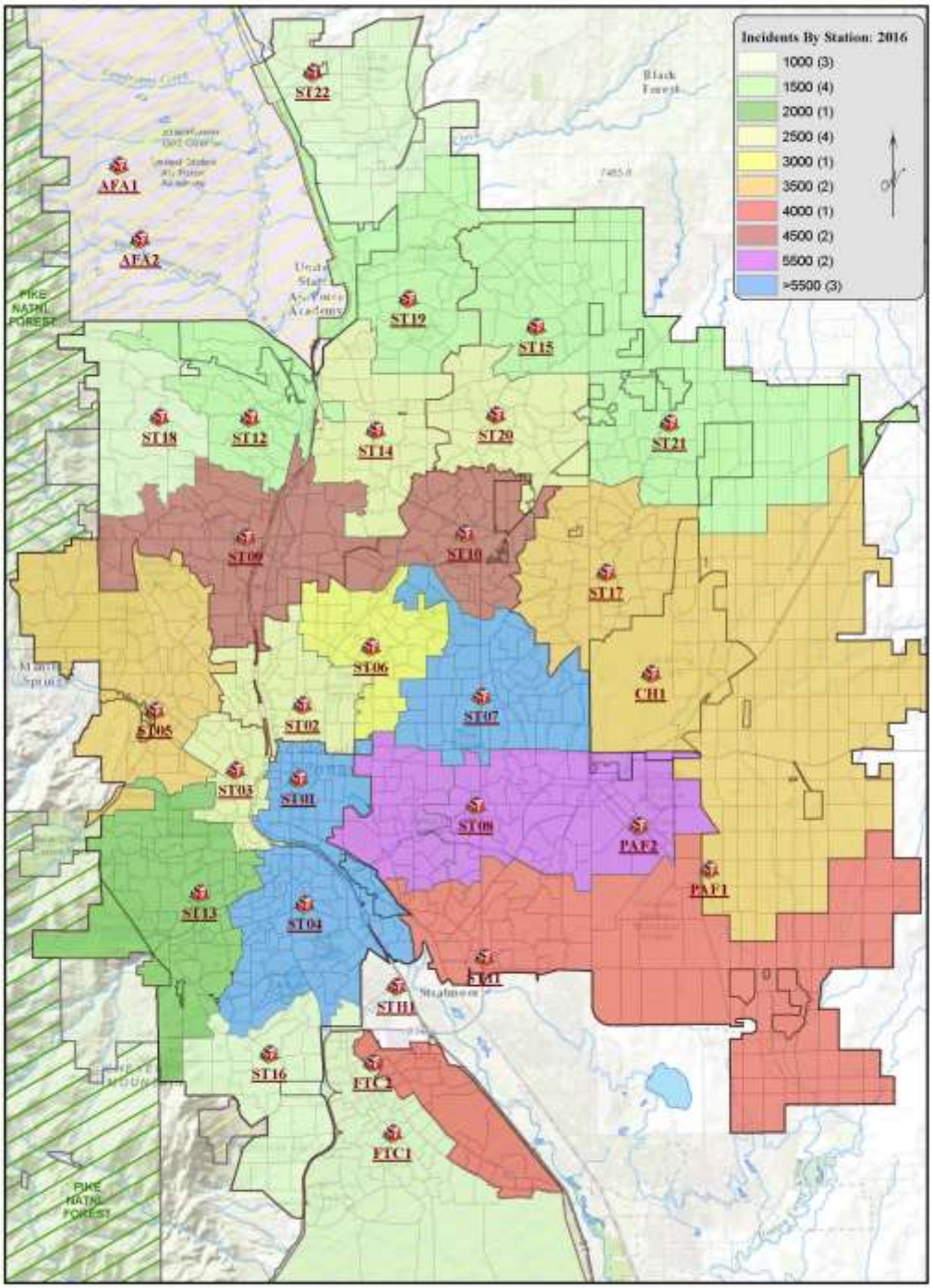
Table: Medical Procedures

Procedure	Times Used
Activated Charcoal	48
Adenocard	61
Airway Nasal/Oral	431
Albuterol	989
Amioderone	68
Ammonia Inhalant(S)	44
Asherman Chest Seal	6
Aspirin	1086
Assisted with Patient Loading	16997
Atropine	44
Atrovent/Albuterol	370
Automatic External Defibrillator	10
Bandaging	1057
Benadryl	221
Benzocaine Spray	5
Blood Draw	1729
Breath Sounds	5878
Burn Blanket	3
Calcium	19
Capnography	2177
Cardiac Monitor	4880
Cardiac Monitor - 12 Lead	7525
Cardioversion	10
Cardizem	34
Chest Decompression	9
CIC Clearance	11
Cleared Airway	16
Co Smokerlyzer/Massimo	79
Co2 Monitor/Detector	6
Cold Pack	128
Control Bleeding	183
Cpap	206
Cpr	383
Cpr - Autopulse	24
Cricothyrotomy	1
D5w	5
Decadron	356
Defibrillation	111
Dextrose	498
Dextrose D25	1
Dislocation Reduction	20
Dopamine	9
Epi 1:1,000	80
Epi 1:10,000	339
Esophageal Tube Detection Device (Edd)	2
Etomidate/Amidate	24
Ett Stabilization/Cervical Collar	63
Extrication	37
Fentanyl	1083
Foreign Object Removal	7
Glucagon	48
Glucometer	12349
Gluctose - Oral	160
Haldol	80
Intraosseous	387
Intraosseous Adult Successful	1
Intubation	323
Intubation/Successful	2
Irrigation	19
Iv	9797

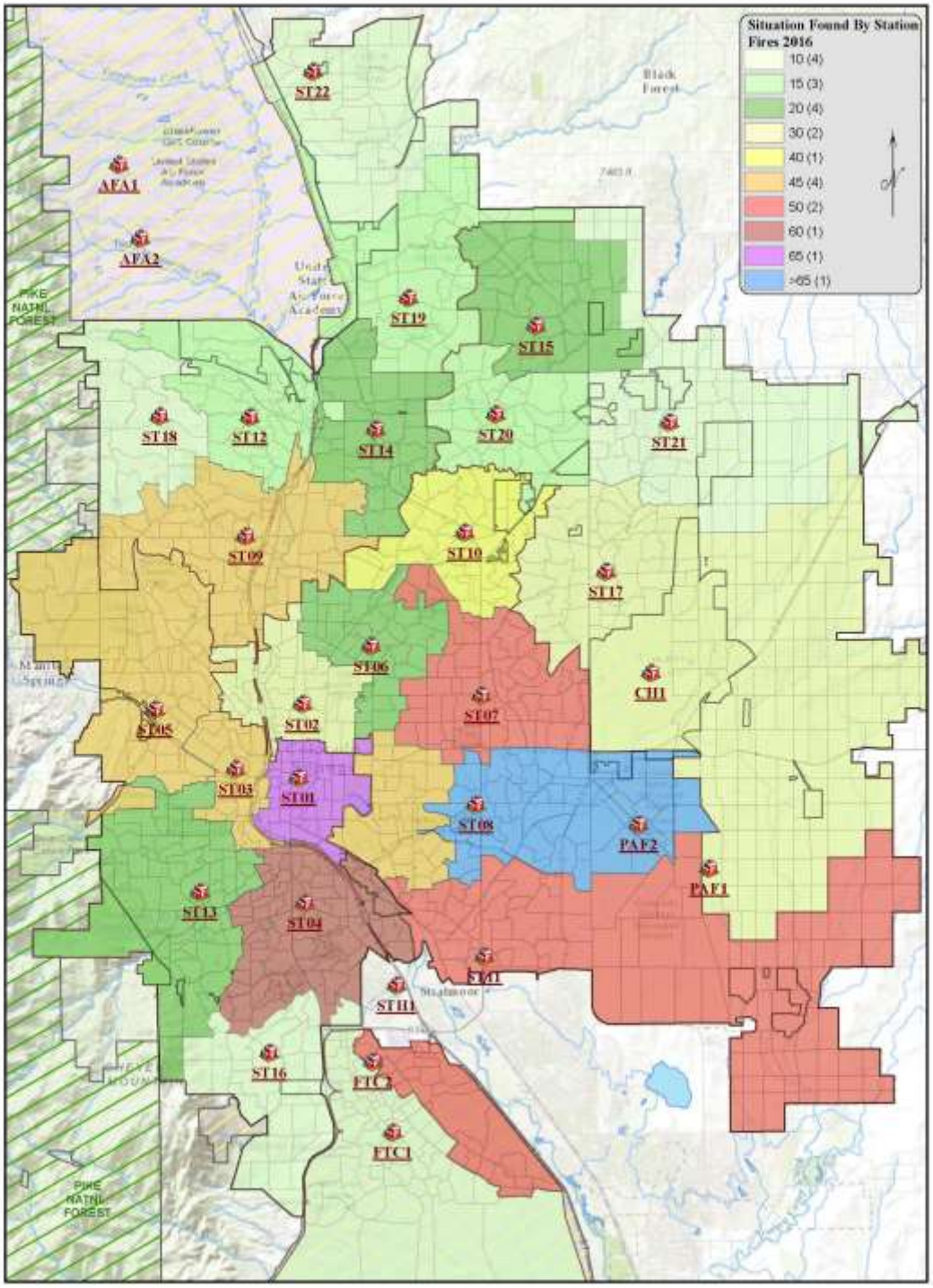
Procedure	Times Used
Iv/Disconnect	54
Ketamine	191
King Airway	31
Lasix	18
Lidocaine 2%	30
Lidocaine 20%	2
Magnesium Sulfate	42
Medical Hold	15
Morphine	47
Narcan	423
Nasogastric Tube	9
Navigation	74
Neo-Synephrine	77
Neurological Assessment	185
Nitroglycerine	410
Normal Saline	142
Obstetrical Delivery	21
Oxygen	4679
Pacing	22
Patient Contact	38888
Pelvic Compression Device	3
Pitocin	1
Poc Testing - Etoh	238
Poc Testing - Istat	132
Poc Testing - Urine	207
Pulsara	107
Pulse-Ox	27757
Racemic Epi	6
Refusal	747
Refusal - Following Standing Orders	2648
Restraints	196
Rocuronium	10
Rosc	36
Sampson Straps	32
Sodium Bicarbonate	251
Spinal Immobilization	2289
Spinal Immobilization, Assisting With	1002
Spit Sock	34
Splinting	547
Stroke Scale	1484
Succinylcholine	23
Suctioning	253
Taser Barb Removal	10
Tele-Assessment - Medical	1
Terminated Care Medical	38705
Terminated Care Trauma	1
Tetracaine	1
Thermometer	16
Tourniquet	28
Traction Splinting	14
Vagal Maneuver	49
Vecuronium	4
Versed	363
Vital Signs	36809
Warm/Cold Pack	9
Zofran	1519
Grand Total	**231431**

Appendix C: Maps

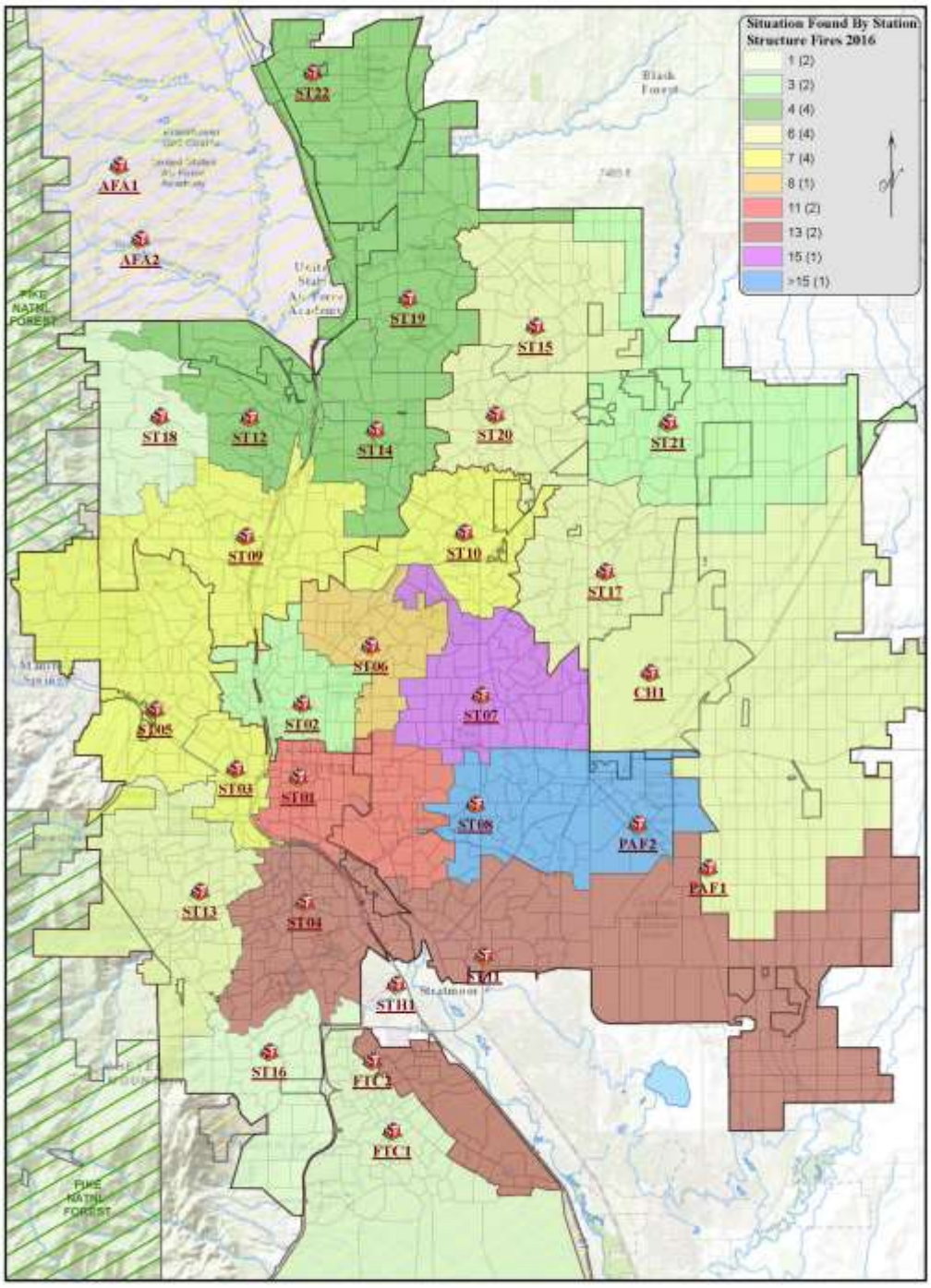
Map: Incidents by Station



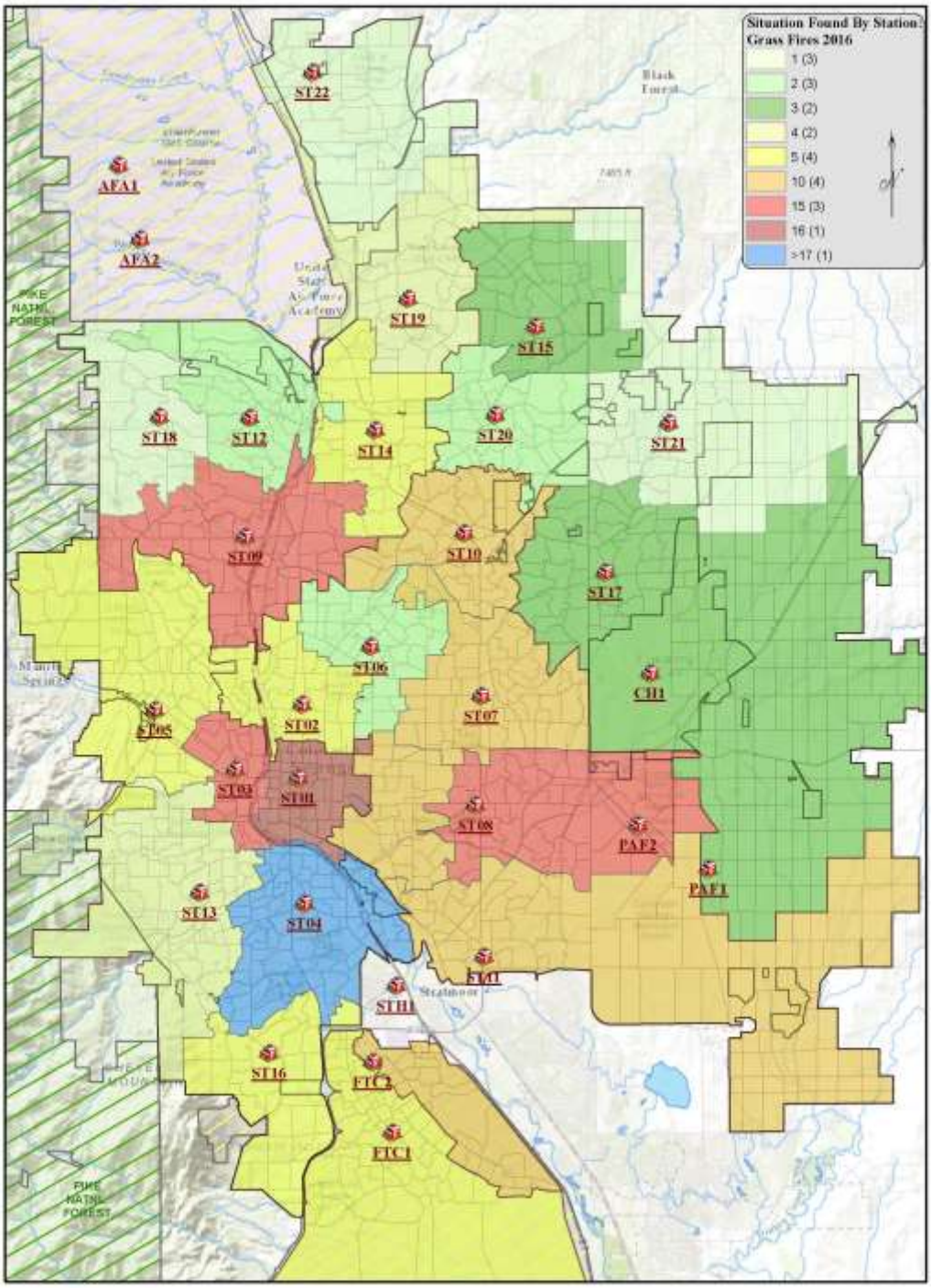
Map: Fire Incidents By Station



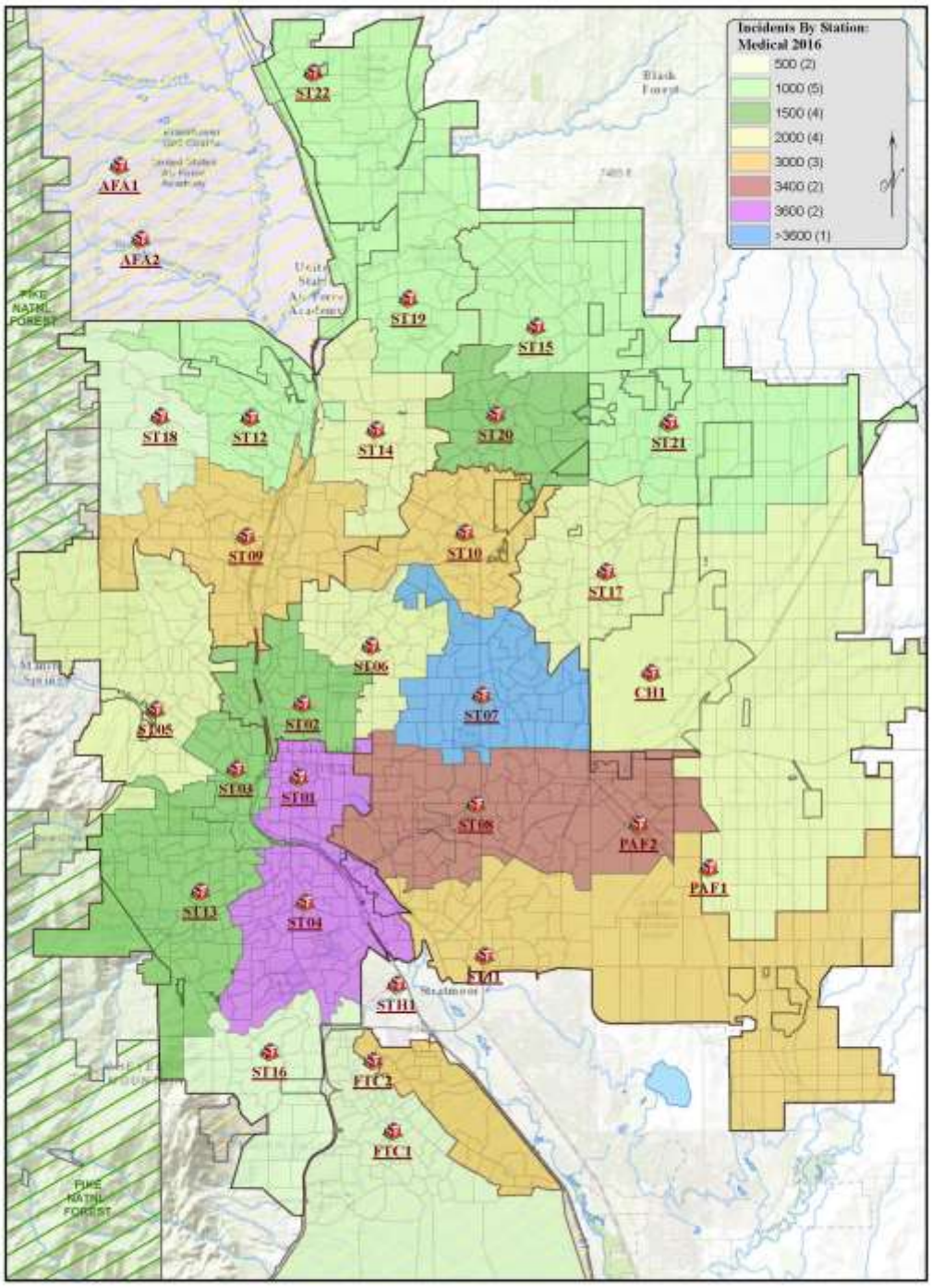
Map: Structure Fires by Station



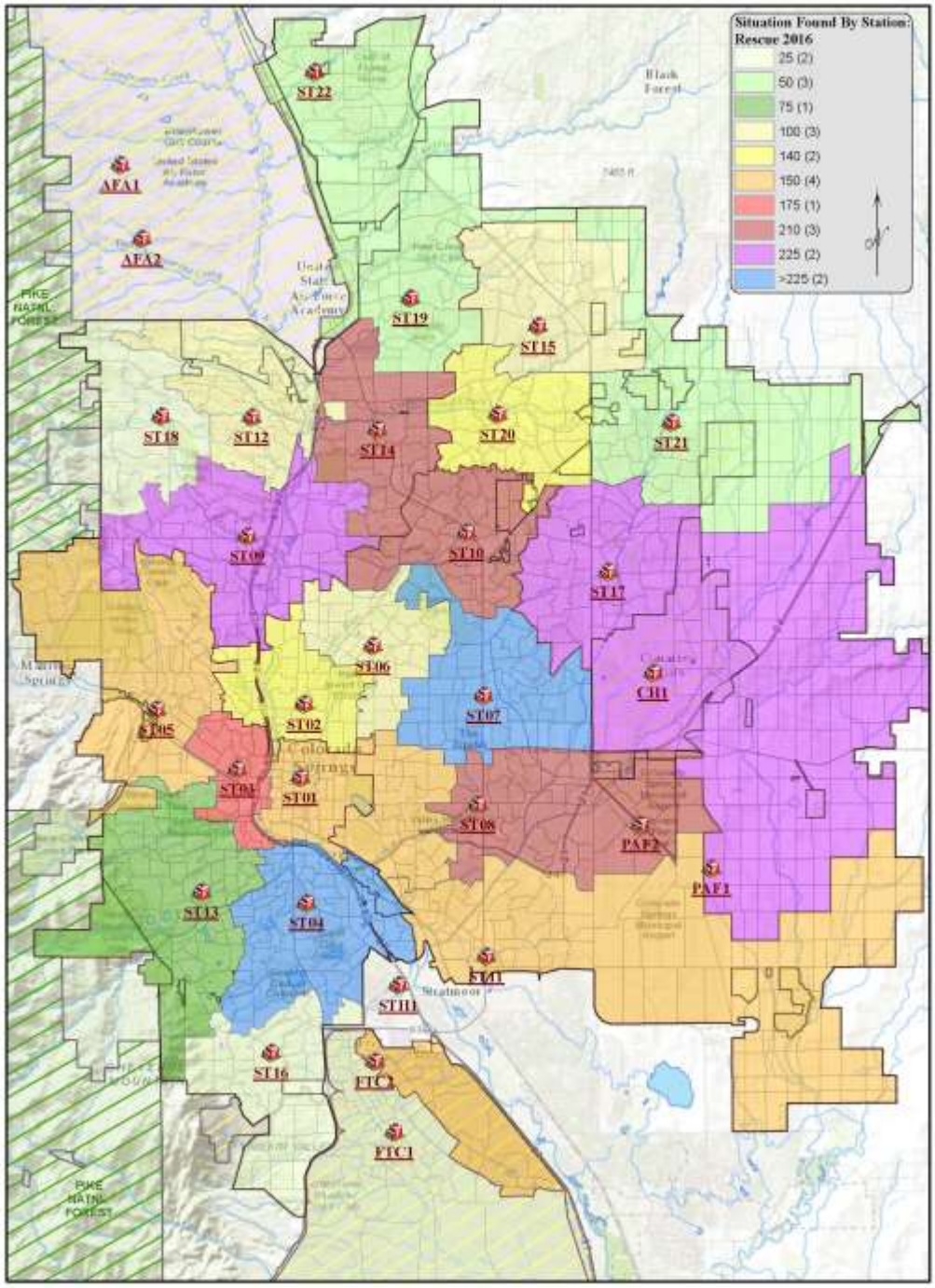
Map: Grass Fires By Station



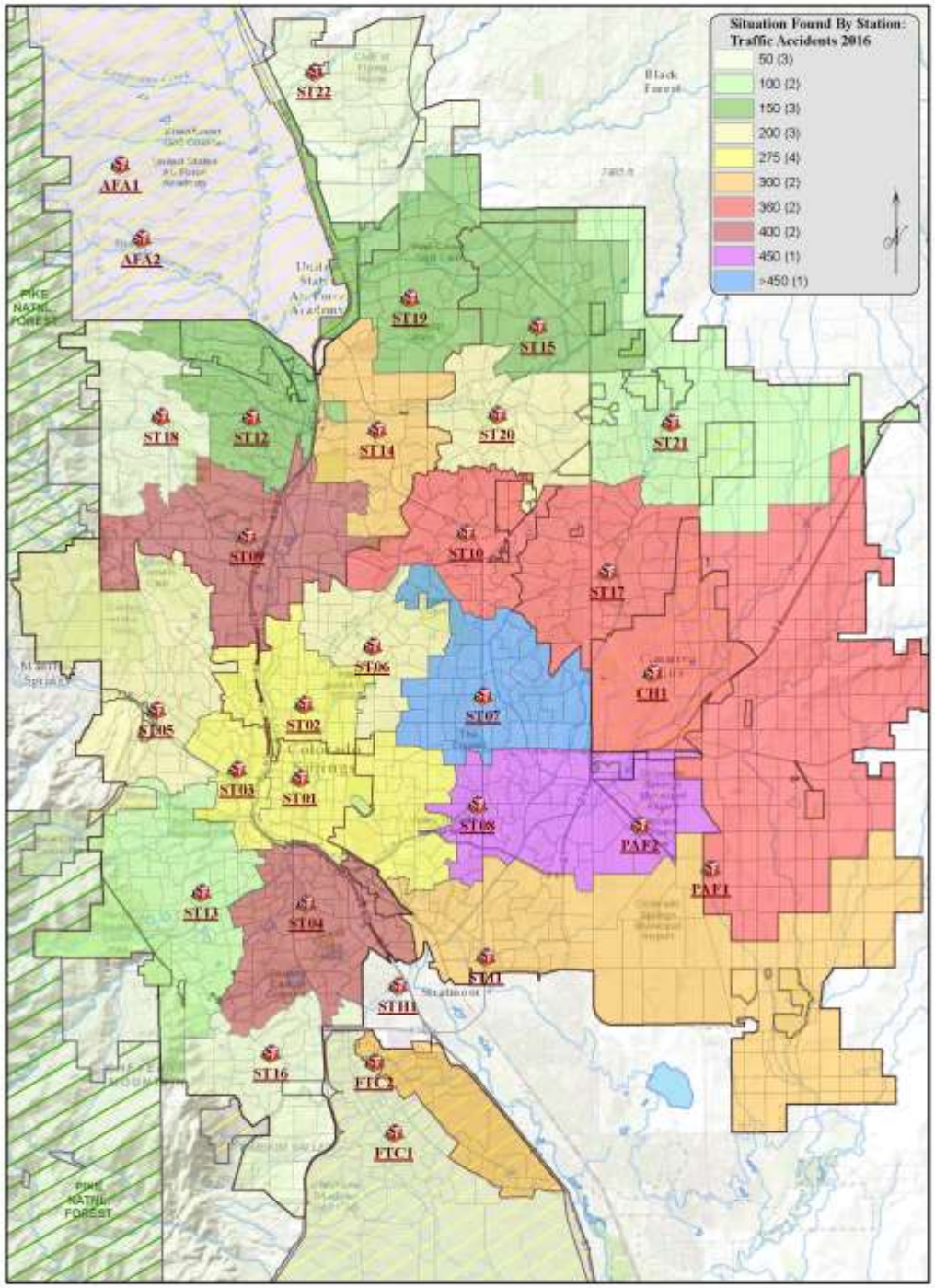
Map: Medical Incidents By Station



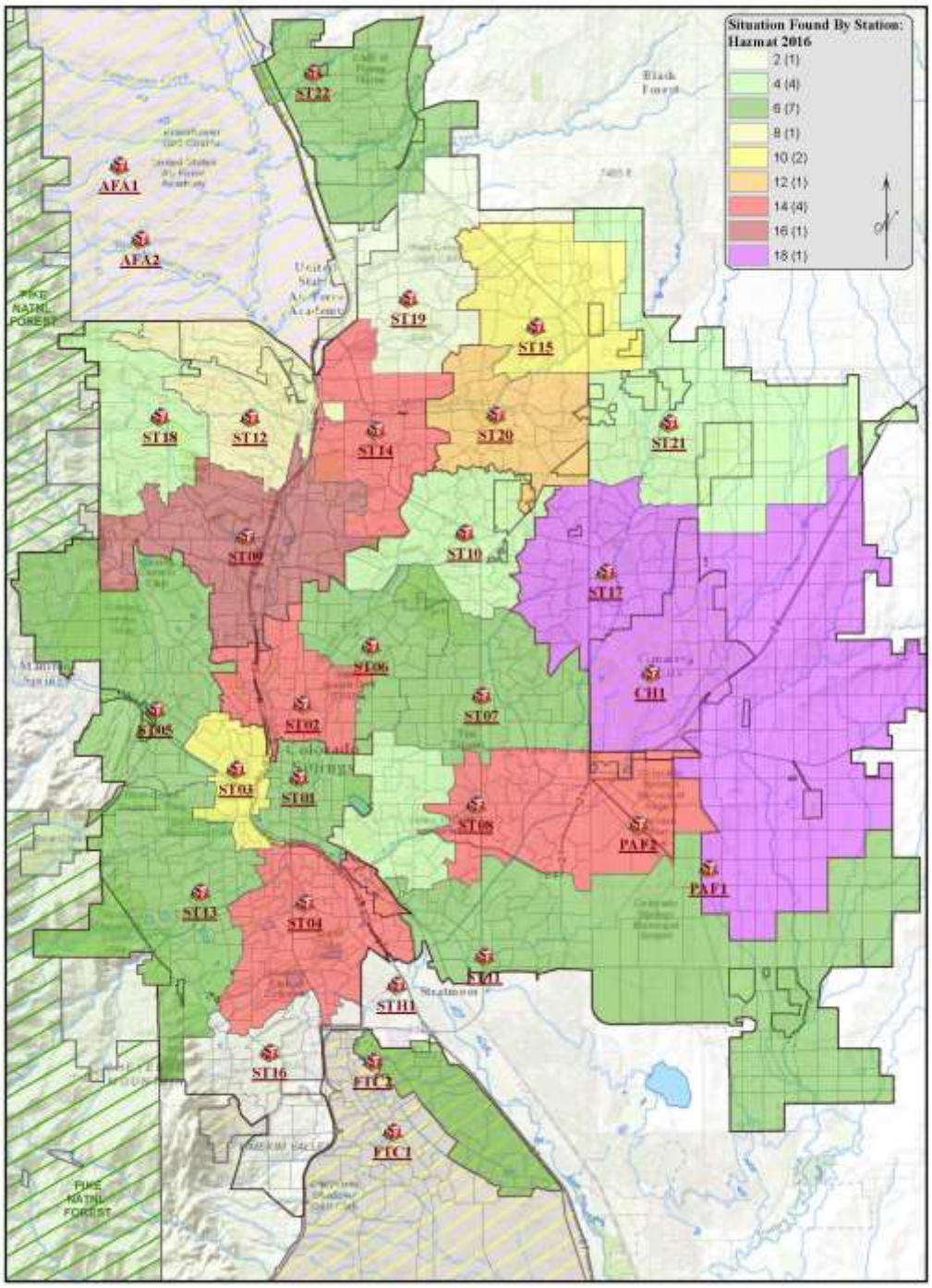
Map: Rescues by Station



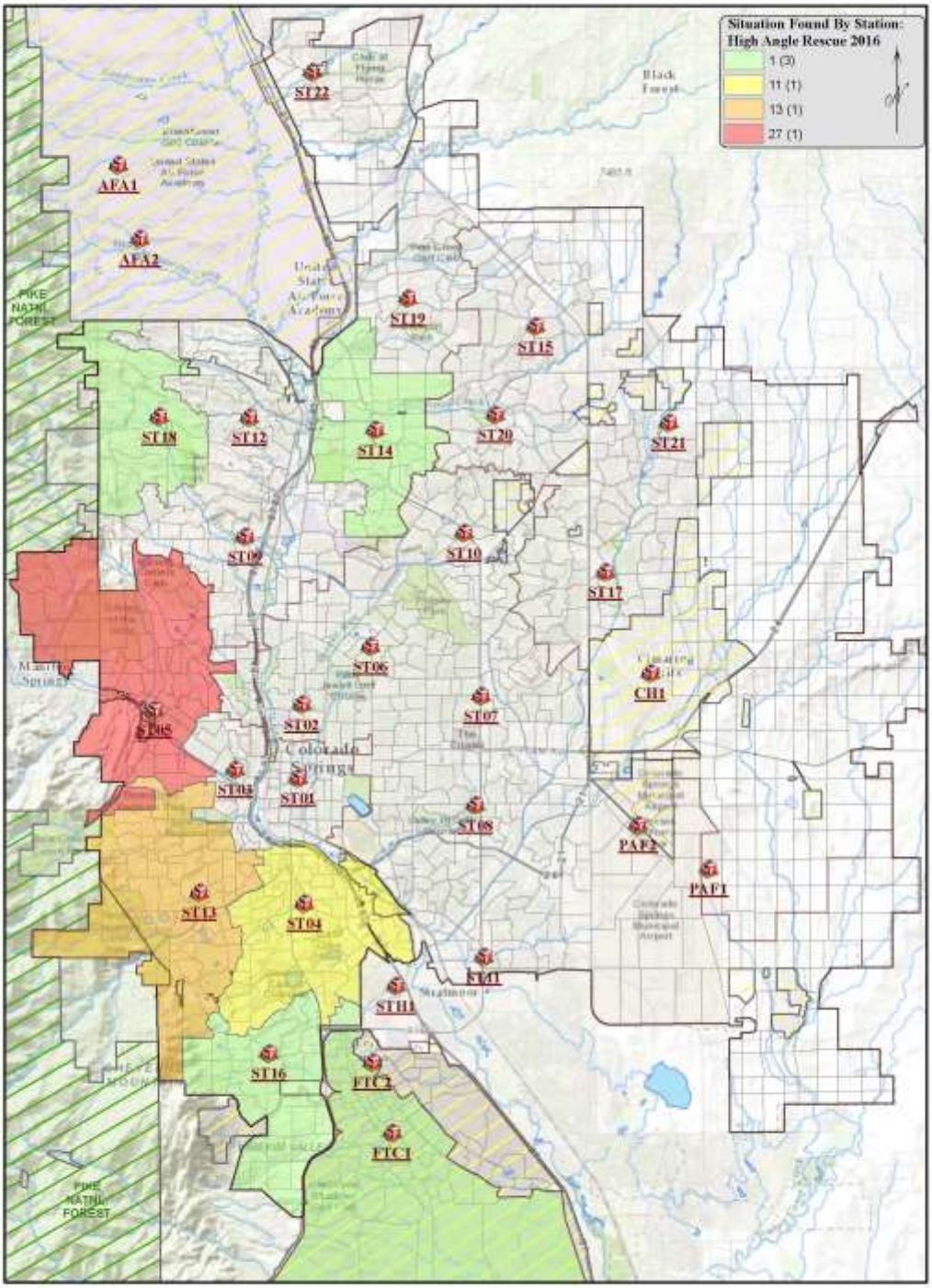
Map: Traffic Accidents By Station



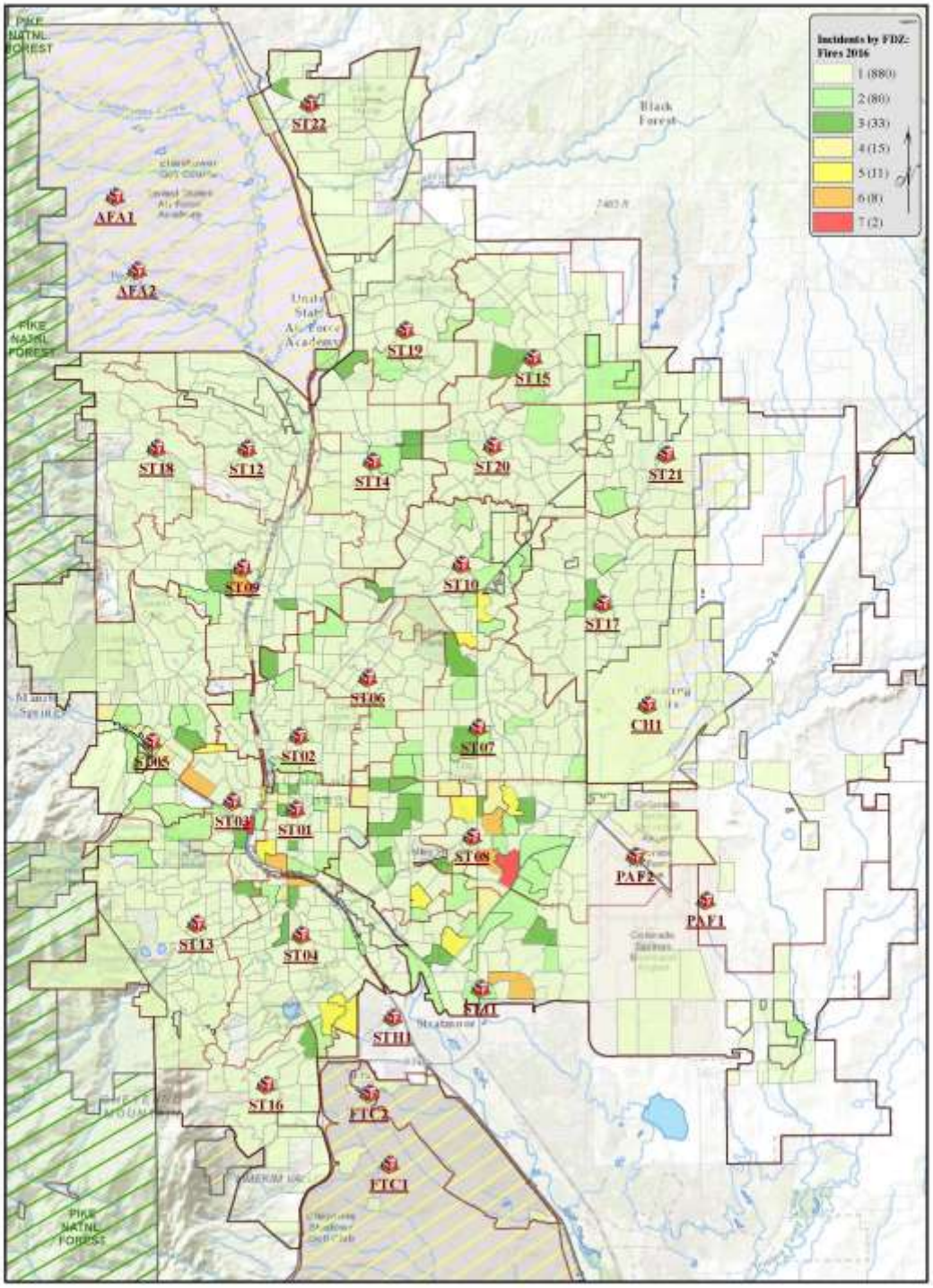
Map: Hazmat Incidents By Station



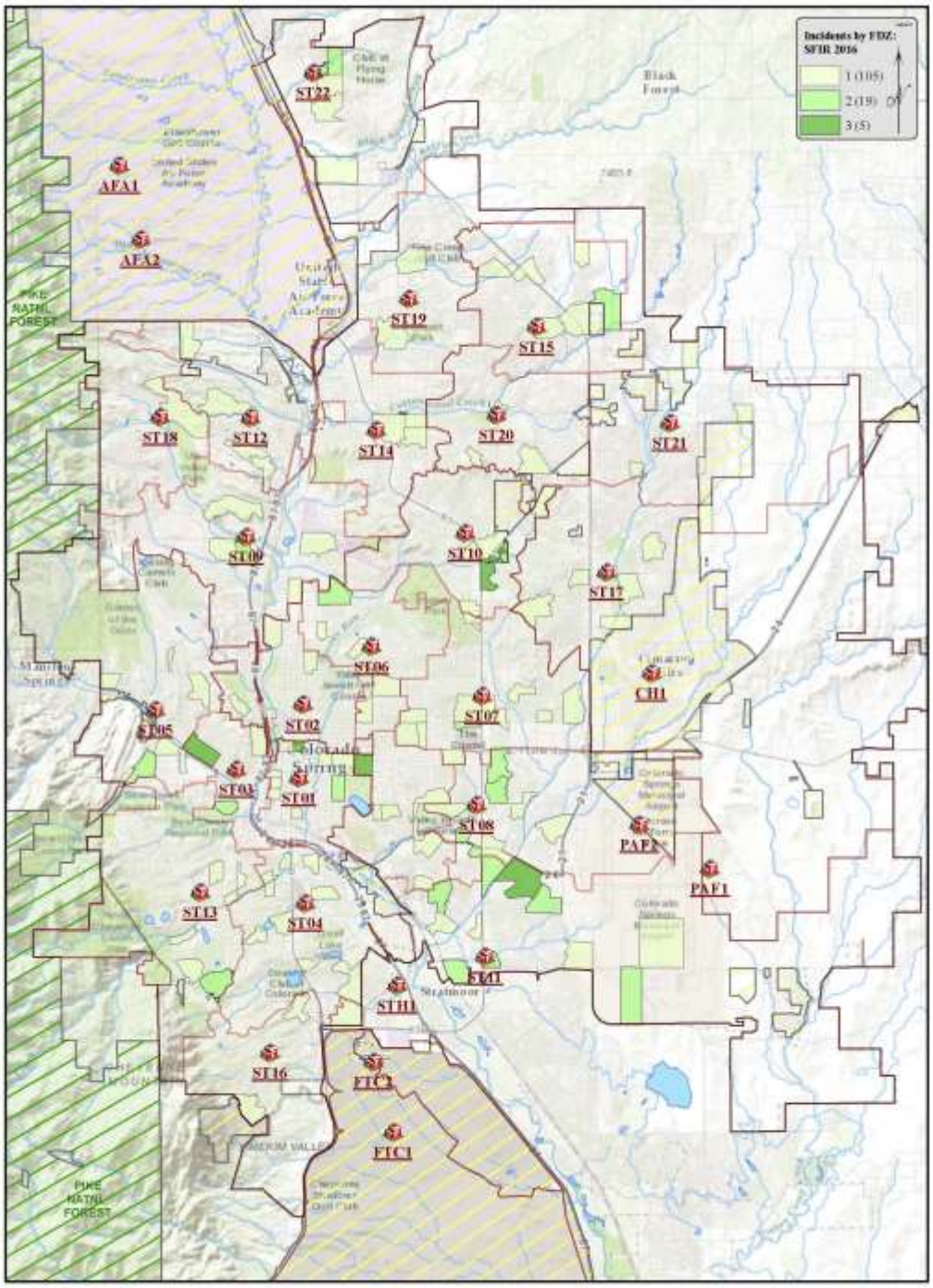
Map: High Angle Rescues By Station



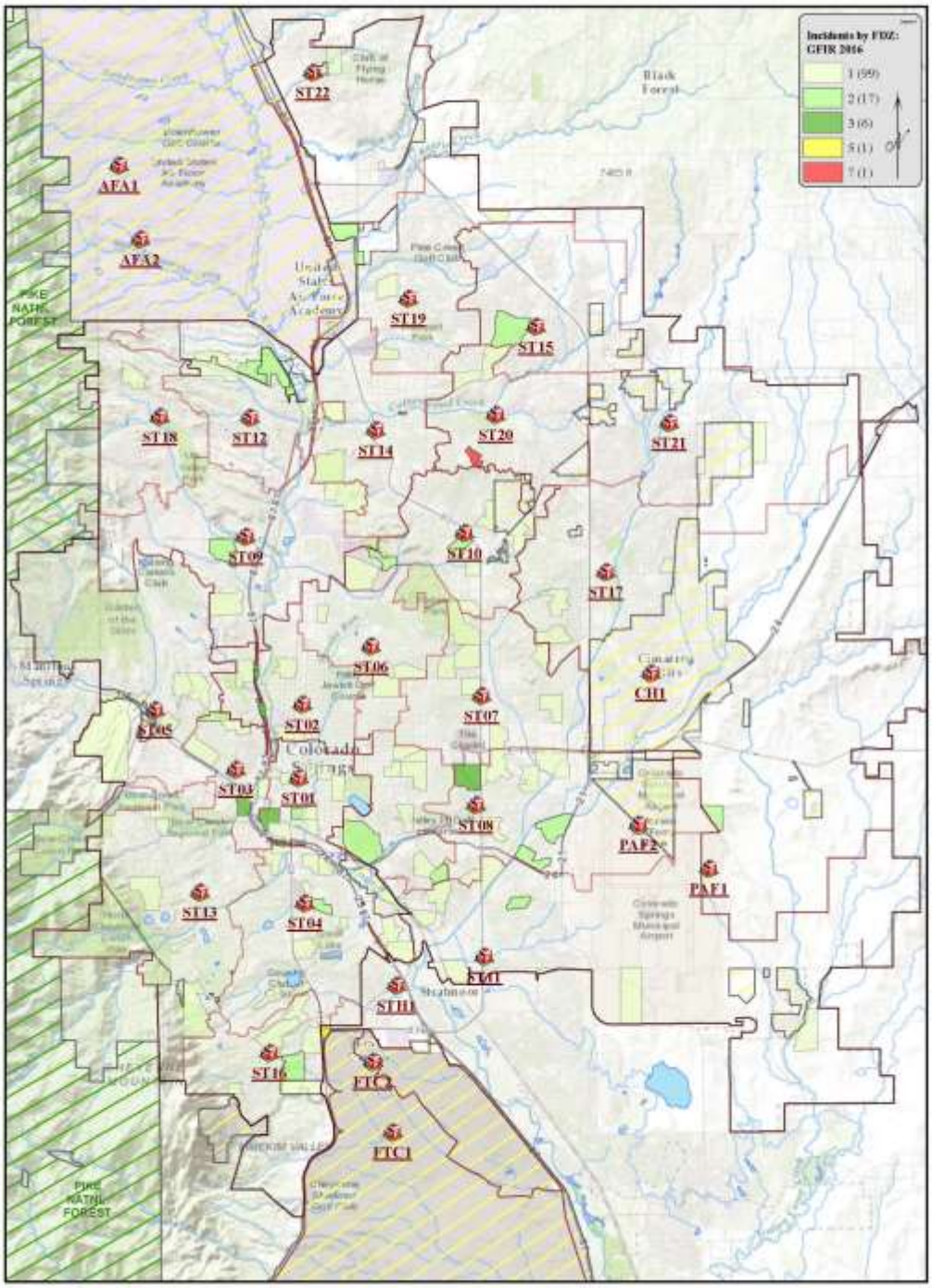
Map: Fires By FDZ



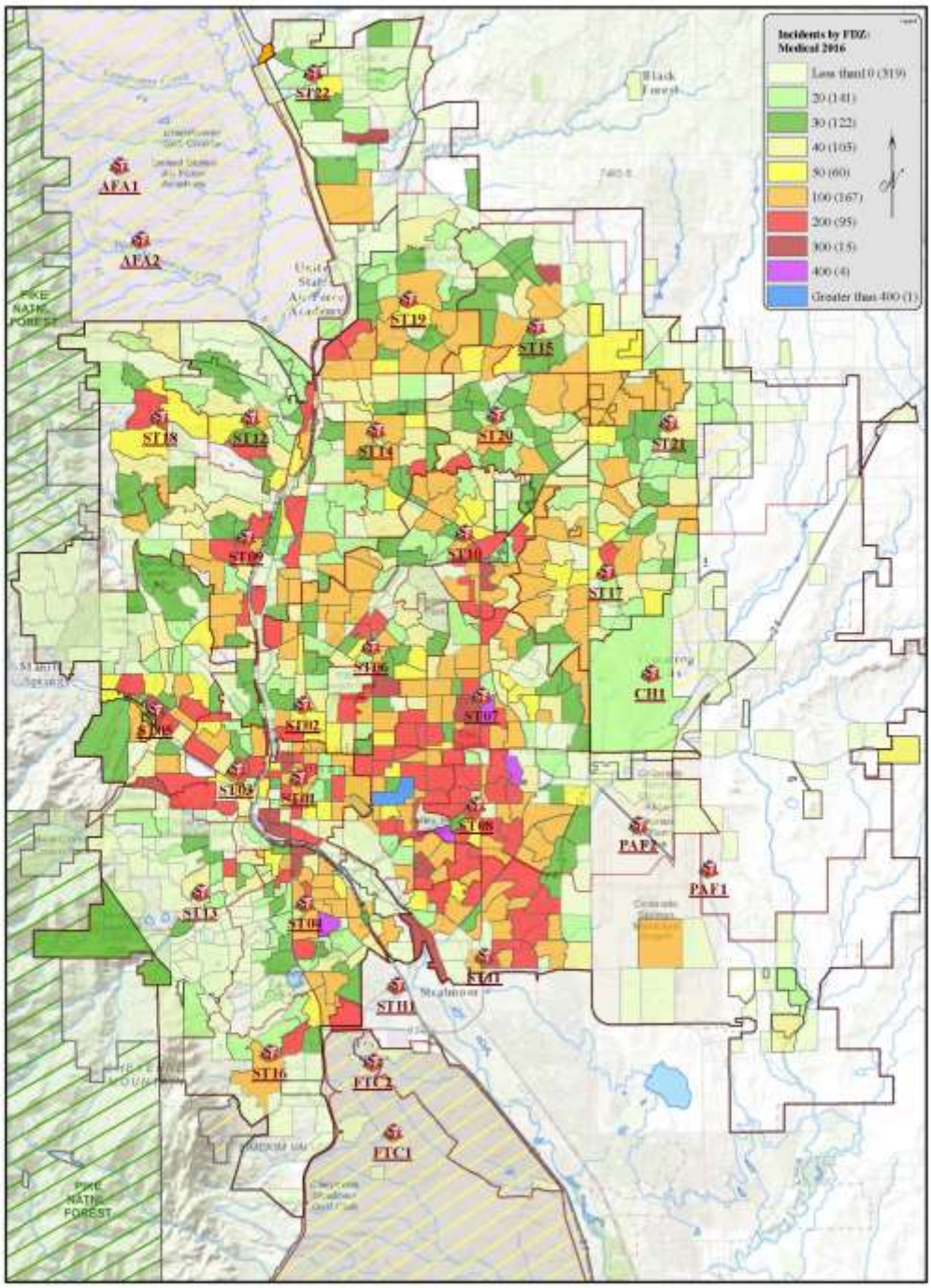
Map: Structure Fires By FDZ



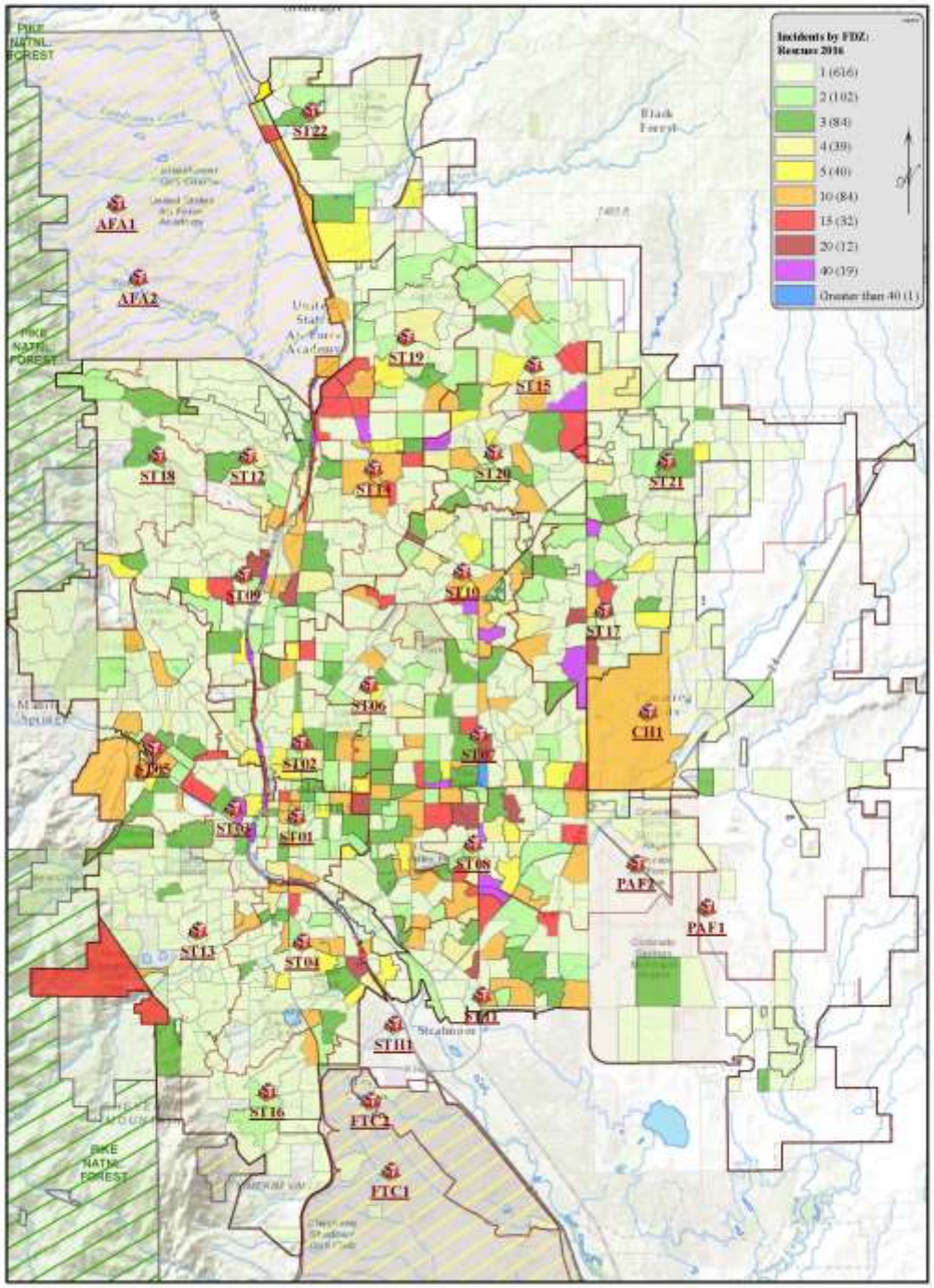
Map: Grass Fires By FDZ



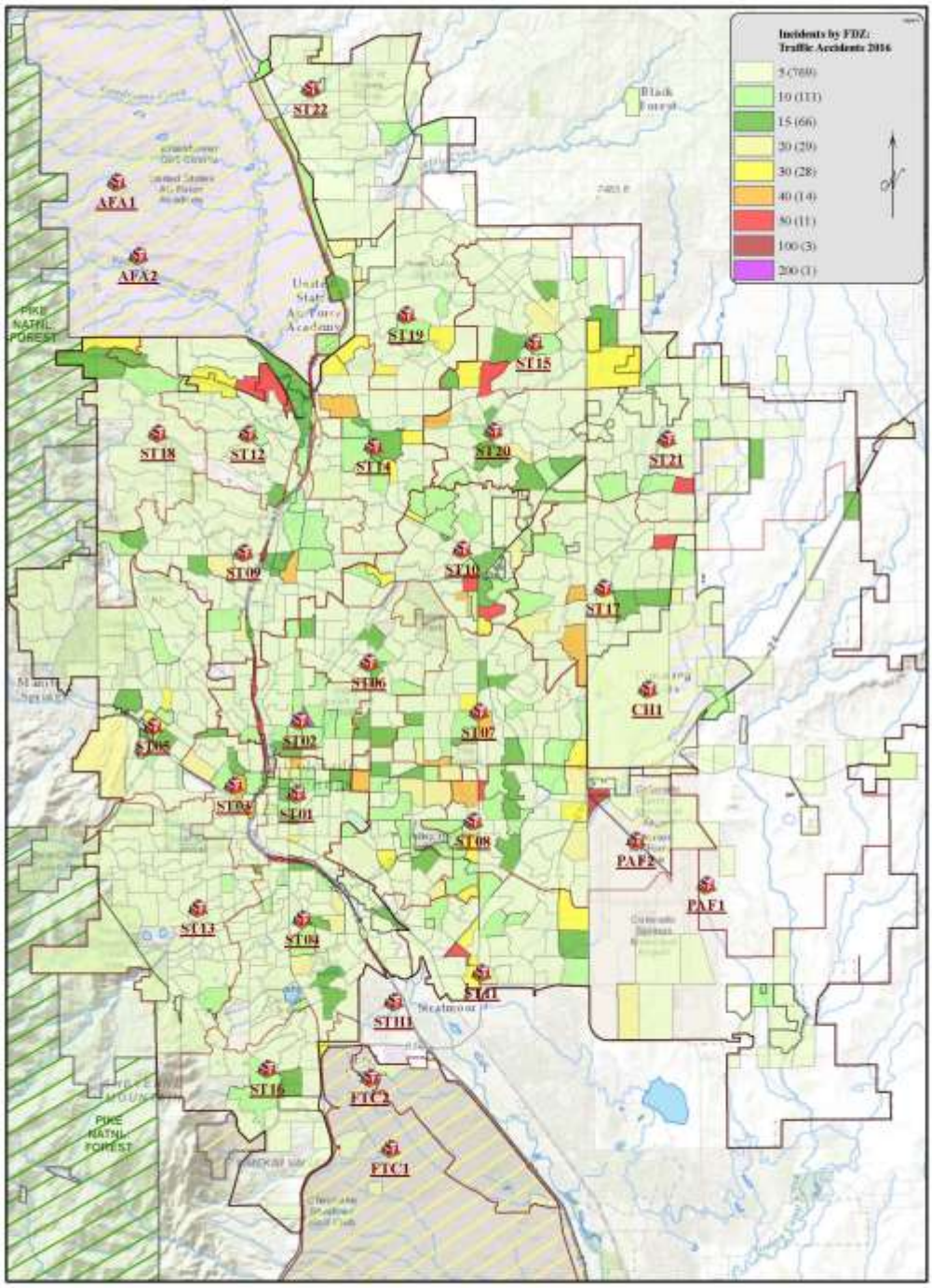
Map: Medicals by FDZ



Map: Rescues By FDZ



Map: Traffic Accidents By FDZ



Appendix

Colorado Springs Fire Department

FINANCE, PLANNING, & ANALYSIS

"To provide innovative analytical and planning services and sound financial management to maintain and enhance the Department's ability to protect life and property."

Street Address, City, ST ZIP Code
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https:// csfd.coloradosprings.gov/

Report by J. Mitchell