COLORADO SPRINGS

FSD

FIRE DEPARTMENT

Annual Statistical Abstract

2020

STATISTICAL ABSTRACT ***VERSION 1.1***

Data current as of April 2021

CSFD
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Contents

Department Highlights **1**
Department Recognition 2020: 1
Annual Service Awards 1
Retirements 1
Battalion Chief 1
Captain 1
Lieutenant 1
Driver/Engineer 1
Civilian 1
Promotions 1
Battalion Chief 1
Captain 1
Lieutenant 1
Paramedic 1
Driver/Engineer 1
New Hires 1
Firefighter New Hires 1
Civilian New Hires 1
2020 Summary **3**
Total Incidents **4**
Incident Overview 4
Call Type vs Incident Type 5
Incidents by Still District 6
Incidents by Still District: 2020 6
Incidents by Still District: Year over Year 6
Incident Properties by Fixed Property Use (FPU) 6
1999 City Resolution 7
2020 Standard of Cover by PEZ 7
Responses 8
Truck Responses by Truck District (FIS Data) 8
Station Responses (FIS Data) 8
Company Responses by Still District 9
Brush Truck Responses by Still District 10
Wildland Responses by Still District 10
Battalion Chief Responses by Still District 10
Motorcycle Responses by Still District 11
Other Unit Responses by Still District 11
Fire **12**
Situation Found Overview 12
Fire Loss (In Dollars) 12
Fire Situation Found by Still District 13
Extinguish Methods for All Fires (Jan-Jul only) 13
Ignition Factors for All Fires 14
Structure Fires 16
Grass Fires 17
Medical **18**
Situation Found Overview 18
Primary Assessments 19
Primary Assessments: Alphabetical List 20
Main Procedures Used 25
Hazardous Conditions **26**
Situation Found Overview 26
Rescue **28**
Situation Found Overview 28
Over-Pressure/Rupture **30**
Situation Found Overview 30
False Alarm **31**

Situation Found Overview 31
Good Intent **33**
Situation Found Overview 33
Service Call **34**
Situation Found Overview 34
Severe Weather **36**
Situation Found Overview 36
Other **37**
Situation Found Overview 37
Mutual Aid **38**
Mutual Aid Received 39
Mutual Aid Given 40
Appendix **42**
Appendix A: Glossary 42
Appendix B: Maps 43
Service Area Map 43
CSFD Planning Evaluation Zones 44
Incidents by FDZ 45
Incidents by Station 46
Medical Incidents by FDZ 47
Medical Incidents by Station 48
Fire Incidents by Station 49
Fire Incidents by FDZ 50
Colorado Springs Fire Department **51**

Department Highlights

Department Recognition 2020:

Annual Service Awards

Career Achievement
Fire Chief Ted Collas

Firefighter of the Year
Captain Don Watkins

Civilian of the Year
Ashley Whitworth

Local #5 Firefighter of the Year
Driver Engineer Todd Smith

Chief's Award
Lieutenant Fred Varnell

Medical Director Award
Paramedic Cameron Halverson

Medal of Distinguished Service
Firefighter Chris Byrne

Unit of the Year Pandemic Taskforce

Angela Hines
Beth Conklin
Driver Engineer Curt Crumb
Battalion Chief Derek Wheeler
Battalion Chief Gary Reading
Battalion Chief Jayme McConnellogue
Battalion Chief Jesse Ortiz
Battalion Chief Justin White
Katha Snow
Captain Mike Archuleta
Captain Mike Smaldino
Deputy Chief Randy Royal
Sunny Smaldino
Battalion Chief Tim De Leon

Award of Recognition

Katha Snow
Lieutenant Ken Anderson
Captain Mike Smaldino
Lieutenant Eric Ruettinger
Lieutenant Mike Evers
Sunny Smaldino

Quarterly Unit Awards

Driver Mentor Group

Driver Engineer Bobby Keese
Lieutenant James Gutschick
Driver Engineer Jason Wallace
Driver Engineer Jeremey Kunze
Driver Engineer Nick Chapel

ESO Transition Team

Amy Sutherland
Beth Conklin
Captain Dan Lynch
Battalion Chief Jayme McConnellogue
Jennifer Chandler
Kris Cooper
Mark Warth
Battalion Chief Tim DeLeon

New Construction Services

Bill McElligott
Brenda Byrd
Chip Taylor
Dee Withee
Gail Cage
Jamie Youngblood
Jeff Hannenberg
Ken Sharky
Captain Mark Trudell
Rhonda Embres
Roland Peterson
Stefan Manning

Retirements

Battalion Chief
Russell Renck

Captain
Glenn Conklin
Keith Buckmiller
Kriss Soppe
Steven Riker

Lieutenant
Jose Garcia
Kevin Ducy
Thomas Hahn
William Pellegrino

Driver/Engineer
Carol Scheideman
Gerald Montella

Civilian
Fire Admin Services Manager: Elizabeth Conklin
Administrative Technician: Julia Stambaugh
Staff Assistant: Diane Dillinger
Fire Code Inspector II: Jeff Robinson
EMS Field Specialist: Jeffrey Young

Promotions

Battalion Chief
Joshua Bartlett

Captain
Jan Martin
Rick Schmidt
Grant Tinker
Don Watkins
Timothy Krantz

Lieutenant
Jesse Weddle
Jacob Heal
Ian Bruzenak
Joshua Webb
Trevor Leland
Jeremy Kroto
James Gutschick
Jeremiah Heddings
Jermaine Reed
John Gleason

Paramedic
Cody Hahn
Steven Swanson
Daniel Zike
Adam Tapia
Joshua Fox
Justin Sutton
Garrett Salcido

Driver/Engineer
Zachariah Blair
Michael Turner-Riedel
Brandon Taylor
Eric Hendren
Bradley England
Ricardo Ramos
Benjamin Cloyd
Andrew Burkhart
John Archibeque

New Hires

Firefighter New Hires

Mitchel Adams
Jacob Ayers
Ramsey Blahnik
Tyler Buckhouse
Westin Dewey
Michael-Paul Dotson
Nehara Eldridge
James Ferraro
Arnell Freer
Sean Fresquez
Marie Geringer
Parker German
Adam Gutschick
Lucas Hanson
Sean Ives
Christopher Lee
Josiah Marton
Christopher Mcginty
John Nagib
Richard Noone
Derek Owen
Armando Padilla
Tyler Reyes
Ian Romero
David Rubin
Solomon Schmidt
Jared Smith
Devin Smith
Maron Smith
Andrew Strohman
Joseph Walker
Richard Wallace
Christopher Williams
Anthony Ybarra Jr

Civilian New Hires

Fire Admin Services Manager:
Chris Pappas
Community Health Paramedic:
Scott Essigmann
Program Coordinator:
Wendy Habert
EMS Field Specialist:
Luisa Doran
Maintenance Technician II:
Aaron Johnson
Community Health Paramedic:
Vivian Junger Silveira
Office Specialist, Senior:
Kristen Samiliano
Program Coordinator:
Melissa Hoffman
BH Clinical Navigator I:
Steven Gold
Maintenance Technician II:
Adam Wisely
Community Health Paramedic:
Katie Perkins
BH Clinical Navigator I:
Trisha Jeffer

2020 Summary

Population: 489,683
Colorado Springs Area (in Sq. Miles): 195
Annual PSST and General Fund Budget: $ 75,722,886
Salary & Benefits: $ 71,281,513
Operations & Maintenance Budget: $ 4,433,373
Major Capital Budget: $ 2,023,857
Grants: $ 690,500

Total Fire Department personnel: 531.5 Total Civilian: 72.5 Total Sworn: 459.0
Daily staffing: 124

Number of:

Staffed	***Stations***	***Engines***	***Trucks***	***Squads***	***Heavy Rescue***
	23	23	6	0	1
Unstaffed		***Wildland Engines***	***Brush Trucks***	***Squads***	***Hazmat***
		2	17	3	2

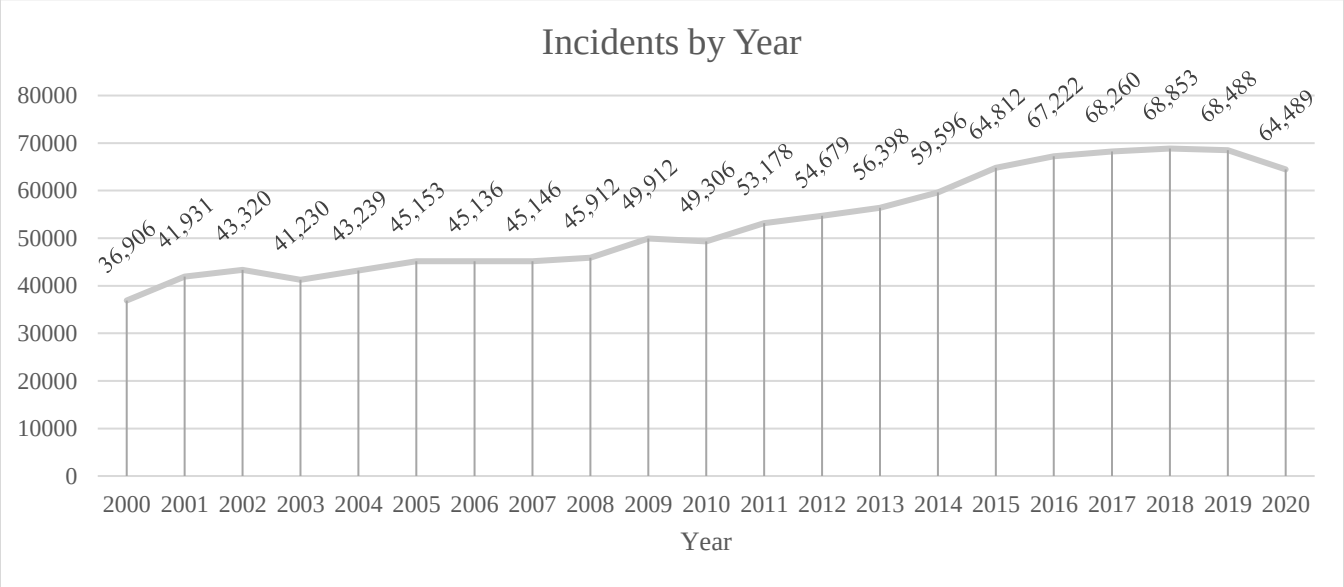
Engine company with the most responses: Engine 8 – 4,890 responses
Truck company with the most responses: Truck 8 – 2,180 responses
Battalion Chief with the most responses: Battalion Chief 1 – 1,115 responses
Heavy Rescue with the most responses: Heavy Rescue 17 – 1,226 responses
Squad with the most responses: Squad 7 – 1153 responses
Hazmat company with the most responses: Hazmat 14 – 397 responses
Station with the most responses: Station 8 – 7,070 responses (E8+T8)
Still District with the most incidents: Station 7's district with 5,300 incidents

Type	**False Alarm**	**Fire**	**Good Intent**	**Hazardous Conditions**	**Medical**	**Other**	**Rupture**	**Rescue**	**Service Calls**	**Severe Weather**	**Not Set**	**Total**
Calls for Service		2720	3851	1022	51693	529		934	3729	11		64489
Incidents	3365	946	16074	593	34499	41	35	2219	6548	11	158	64489
Situation Found	3423	959	16162	600	34618	44	36	2236	6693	11	158	64947

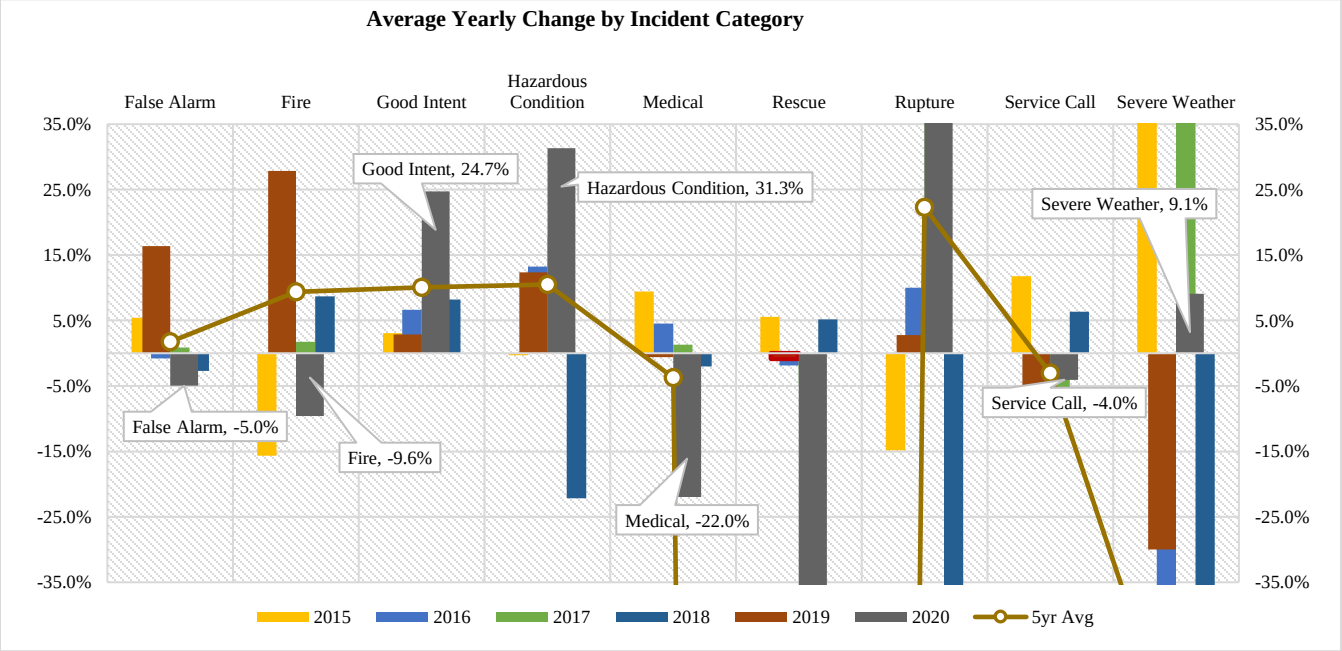
Firefighter fire deaths: 0
Firefighter injuries on scene: 16
Civilian fire deaths: 3
Civilian fire injuries: 36

Total Incidents

Incident Overview



Year	False Alarm	Fire	Good Intent	Hazardous Conditions	Medical	Other	Rupture	Rescue	Service Calls	Severe Weather	Not Set	Total
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
2017	3086	692	10844	441	43338	55	48	2696	7031	26	3	68260
2018	3005	758	11815	361	42476	30	35	2843	7509	13	8	68853
2019	3462	593	12011	401	41999	27	36	2774	7171	10	4	68488
2020	**3365**	**946**	**16074**	**593**	**34499**	**41**	**35**	**2219**	**6548**	**11**	**158**	**64489**

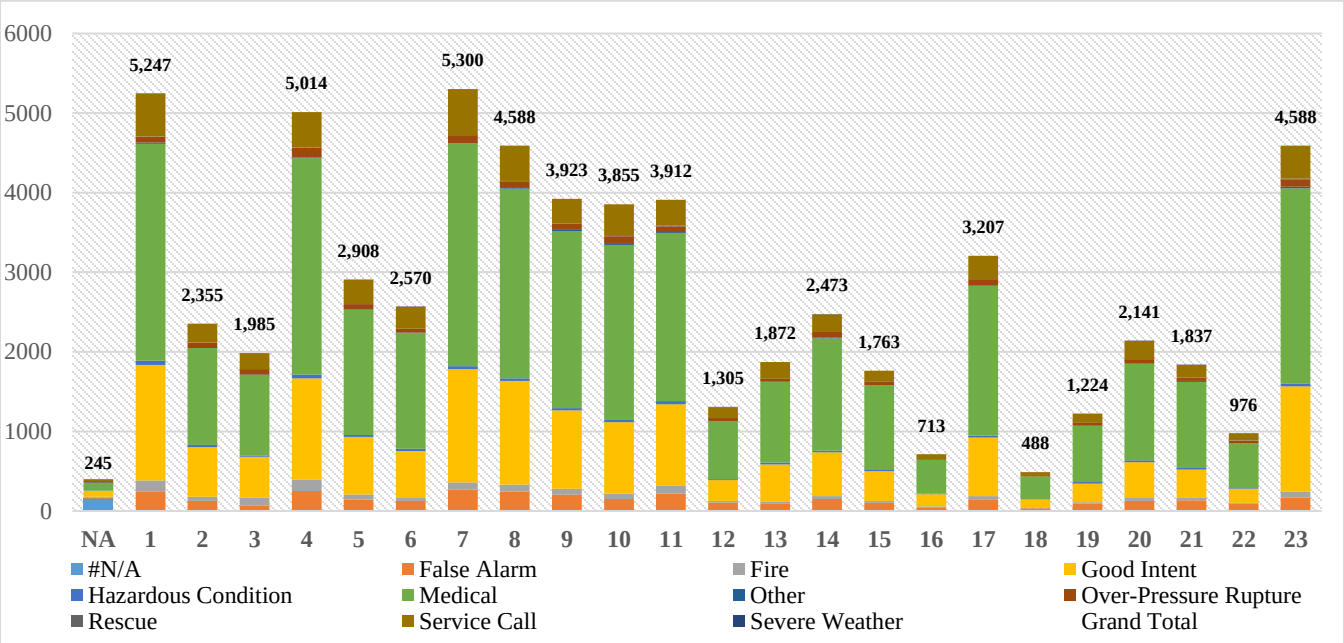


Call Type vs Incident Type

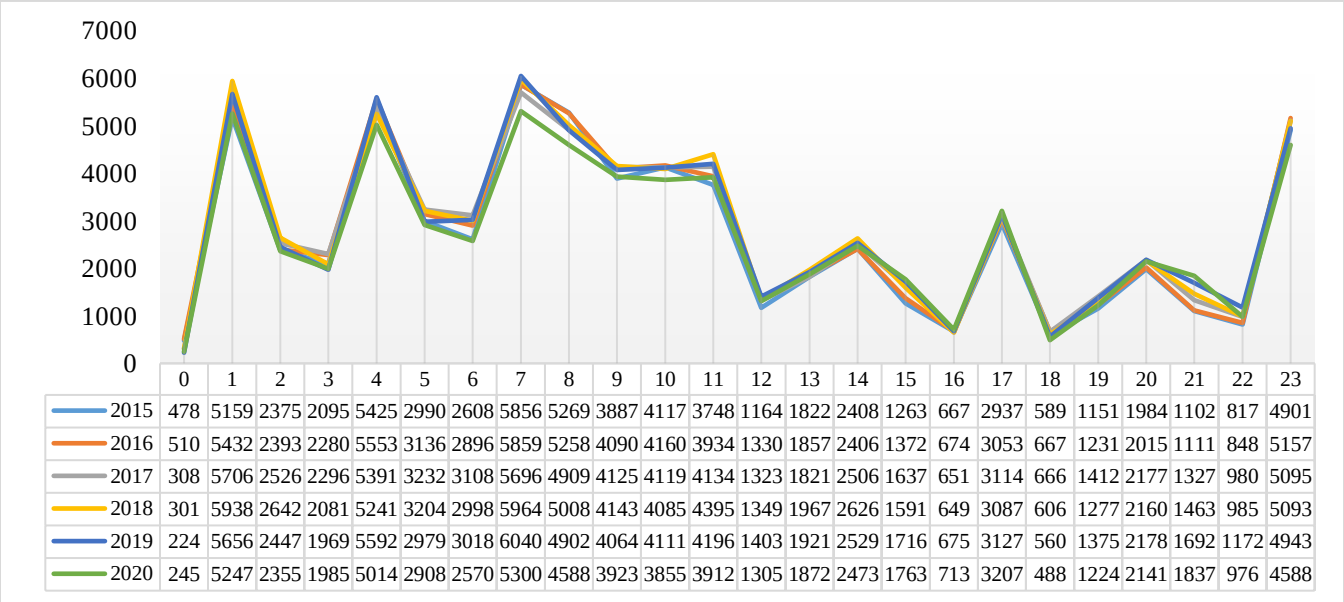
	Call Type Grouped								
Situation Found	**Fire**	**Good Intent**	**Hazardous Condition**	**Medical**	**Other**	**Rescue**	**Service Call**	**Severe Weather**	**Total**
2020	**2720**	**3851**	**1022**	**51693**	**529**	**934**	**3729**	**11**	**64489**
False Alarm	154	2706	76	371	10	3	44	1	3365
Fire	787	10	2	9	95		43		946
Good Intent	964	771	330	12849	170	128	860	2	16074
Hazardous Cond	46	98	375	36	5	4	28	1	593
Medical	12	26	20	33798	62	231	350		34499
Other	22	12	5	109	18	4	29		199
Over-Pressure	13	7	13	1			1		35
Rescue	15		20	1584	16	493	91		2219
Service Call	702	221	181	2936	153	71	2283	1	6548
Severe Weather	5							6	11
2019	**2260**	**4323**	**1086**	**55580**	**484**	**1069**	**3665**	**21**	**68488**
False Alarm	77	2843	60	432	8	5	34	3	3462
Fire	469	6	2	5	85		26		593
Good Intent	1112	1080	468	8025	144	126	1046	10	12011
Hazardous Cond	34	65	257	27	1	3	14		401
Medical	20	20	12	41325	79	280	262	1	41999
Other	6	1	3	11	1		9		31
Over-Pressure	4	5	23				4		36
Rescue	4		39	2001	14	597	119		2774
Service Call	531	303	220	3754	152	58	2148	5	7171
Severe Weather	3		2				3	2	10
2018	**2411**	**3795**	**971**	**56268**	**461**	**1160**	**3774**	**13**	**68853**
False Alarm	77	2520	30	334	9	6	32		3008
Fire	584	9		6	115		44	1	759
Good Intent	1184	947	465	7909	135	100	1083	5	11828
Hazardous Cond	36	68	222	24	1		16		367
Medical	16	21	19	41721	61	346	299		42483
Other	7		3	18	1		9		38
Over-Pressure	6	7	22	1	1		1		38
Rescue			25	2023	17	639	127		2831
Service Call	500	223	183	4231	121	69	2157	4	7488
Severe Weather	1		2	1			6	3	13

Incidents by Still District

Incidents by Still District: 2020



Incidents by Still District: Year over Year



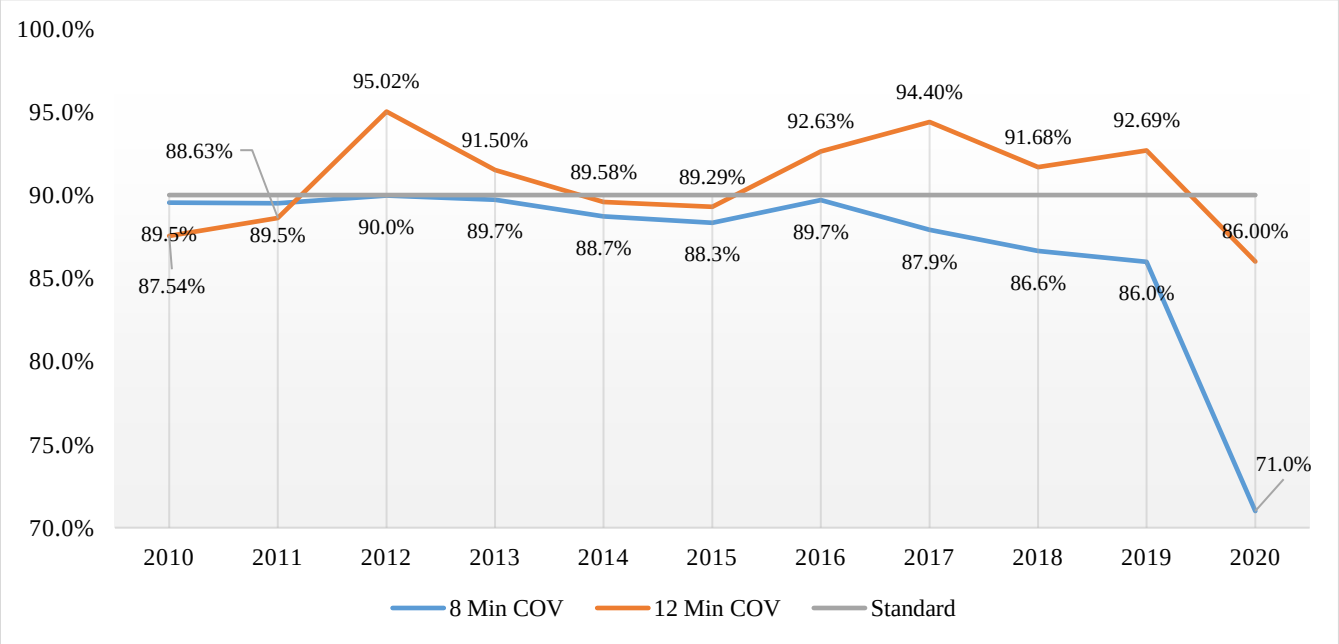
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
2015	478	5159	2375	2095	5425	2990	2608	5856	5269	3887	4117	3748	1164	1822	2408	1263	667	2937	589	1151	1984	1102	817	4901
2016	510	5432	2393	2280	5553	3136	2896	5859	5258	4090	4160	3934	1330	1857	2406	1372	674	3053	667	1231	2015	1111	848	5157
2017	308	5706	2526	2296	5391	3232	3108	5696	4909	4125	4119	4134	1323	1821	2506	1637	651	3114	666	1412	2177	1327	980	5095
2018	301	5938	2642	2081	5241	3204	2998	5964	5008	4143	4085	4395	1349	1967	2626	1591	649	3087	606	1277	2160	1463	985	5093
2019	224	5656	2447	1969	5592	2979	3018	6040	4902	4064	4111	4196	1403	1921	2529	1716	675	3127	560	1375	2178	1692	1172	4943
2020	245	5247	2355	1985	5014	2908	2570	5300	4588	3923	3855	3912	1305	1872	2473	1763	713	3207	488	1224	2141	1837	976	4588

Incident Properties by Fixed Property Use (FPU)

Type	False Alarm	Fire	Good Intent	Hazardous Condition	Medical	Other	Rupture	Rescue	Service Call	Severe Weather	Not Available	Total
2020	3365	946	16074	593	34499	41	35	2219	6548	11	158	64489
Commercial	427	254	2825	133	4984	13	13	1111	1259			11019
Industrial	31	2	22	2	56	1		4	10			128
Institution	272	5	622	3	2950	1	1	10	465			4329
Multifamily	199	44	1124	14	3578		2	15	708			5684
Other Res.	135	6	217	1	582			9	92			1042
Single-family	729	91	2340	85	8176	6	9	32	1733	6		13207
Not Available	1572	544	8924	355	14173	20	10	1038	2281	5	158	29080

1999 City Resolution

8 & 12 Minute City Fire Service Standards



Year	8 Min COV	12 Min COV
2015	**88.3%**	**89.3%**
2016	**89.7%**	**92.6%**
2017	**87.9%**	**94.4%**
2018	**86.6%**	**91.7%**
2019	**85.9%**	**92.7%**
2020	**71.1%**	**86.0%**

2020 Standard of Cover by PEZ

PEZ	8 Min COV	12 Min COV
City	**71.1%**	**86.0%**
01	81.4%	88.7%
02	71.1%	88.6%
03	69.5%	89.7%
04	72.5%	93.3%
05	72.5%	87.0%
06	71.0%	83.7%
07	64.8%	76.7%
08	69.5%	89.2%
09	66.3%	66.7%

Responses

Truck Responses by Truck District (FIS Data)

Company	OOT	1	4	8	9	10	17	19	Total
T1	3	1475	198	164	96	11	1	5	**1953**
T4	17	228	1538	177	10	1	5	2	**1978**
T8	5	91	40	1974	4	34	29	3	**2180**
T9	5	102	19	8	1340	61	5	42	**1582**
T10	3	17	1	131	95	1170	118	57	**1592**
HR17	19	72	49	127	39	138	713	69	**1226**
T19	19	11	1	4	54	70	18	597	**774**
Total	**71**	**1996**	**1846**	**2585**	**1638**	**1485**	**889**	**775**	**11285**

Station Responses (FIS Data)

Includes Brush, Engine, Hazmat, Heavy Rescue, Squad, Truck, Wildland

Station	2015	2016	2017	2018	2019	2020	Prior Year Growth	Avg Growth
ST01	7034	7164	7274	7540	7069	6398	-10%	-0.2%
ST02	2481	2656	2846	2647	2507	2400	-4%	-0.1%
ST03	2588	2789	2930	2752	2834	2700	-5%	-0.1%
ST04	6466	6465	6308	6112	6448	5920	-9%	-2.4%
ST05	2602	2899	2954	2935	2593	2626	1%	1.1%
ST06	2760	3031	3277	3252	3086	2837	-9%	-0.1%
ST07	6588	6468	6217	6585	6597	4999	-32%	-5.3%
ST08	7686	7735	7366	7364	7389	7070	-5%	-0.7%
ST09	4911	5276	5192	5046	4976	4666	-7%	-0.4%
ST10	5215	5136	5367	5453	5236	5116	-2%	1.2%
ST11	3818	4795	4756	4925	4754	3825	-24%	1.2%
ST12	1259	1481	1403	1429	1431	1339	-7%	2.9%
ST13	1764	1986	1865	1965	1853	1843	-1%	-0.8%
ST14	2326	2342	2215	2313	2173	2235	3%	-1.1%
ST15	1296	1518	1603	1589	1677	1743	4%	6.2%
ST16	694	691	813	911	896	909	1%	5.4%
ST17	3680	3761	3769	3690	3787	3860	2%	1.3%
ST18	770	883	977	960	843	796	-6%	1.2%
ST19	3240	2203	2611	2625	2779	2567	-8%	-5.8%
ST20	1770	1791	1856	1828	1863	1922	3%	2.7%
ST21	1245	1394	1439	1613	1757	1877	6%	7.8%
ST22		684	882	920	1035	926	-12%	-0.3%
ST23	3927	3715	3747	3755	3781	4016	6%	5.9%
Total	**74120**	**76863**	**77667**	**78209**	**77364**	**72590**	**-7%**	**0.5%**

Total Incidents

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	23	OOT	Total
E01	3229	266	233	245	70	20	8	13	19		16	1	29	3	2	5		1		1			278	6	**4445**
E02	178	1483	72	13	62	368	23	4	158			2	6	1						1			25	4	**2400**
E03	271	58	1348	259	411	3		6	10	4	6		210	2		4	1						7	5	**2605**
E04	284	6	56	3137	8	2	3	13	8	1	111		122		1	57	5						48	26	**3888**
E05	18	12	159	23	2142	2	2	1	31			7	145	1		1		8					4	5	**2561**
E06	8	264	1		4	1815	215	7	95	115	1	2	2	12	2		2		1	4		1	67	5	**2623**
E07	3	4		1	1	125	3064	205	1	169	32		1	3	1		74			2			103	6	**3795**
E08	11	4		9	1	14	532	3045		5	547		1				14			1			704	2	**4890**
E09	10	163	23	16	137	77	2	2	2402	33		124	7	17		1	3	16	4	2			4	2	**3045**
E10	5	8		5	6	98	175	9	47	2599	3	5		288	2		163		2	80	6	1	5	2	**3509**
E11	3		2	48	1		8	249	1		2586	1	4	1		27	2				1		156	17	**3107**
E12	2	4			5	2	1	1	169	4	1	962	2	95				28	6	2		5	2	12	**1303**
E13	17	2	23	175	115				1	1	1		1398	1		6		6					1	2	**1749**
E14			2	2		1	1	1	49	83	2	72		1474	7	1	2	2	40	107		6	2	2	**1856**
E15					1		2			1	1			5	1316		2		121	139	116	7	1	1	**1713**
E16	7		3	171	1			7			11		28			626							1	15	**870**
E17					1	1	114	19	1	75	8			8	9		2172		5	47	106	1	1	43	**2611**
E18	1		1		8				143			173		1	1			429					1	4	**762**
E19		1	2	2	4	4	6		8	13		18	2	391	215		38	1	859	62	8	94		29	**1757**
E20	1			1	1			1	3	63	2	2		82	85		38		17	1540	62	1		3	**1902**
E21				1	1		2	1	1	3				1	99		168			94	1473		3	5	**1852**
E22	1													4	2				9	1		856		25	**898**
E23	155	14	3	39	2	30	232	223	4	1	83												2378	4	**3168**
H06	15	12	6	17	7	19	10	18	13	6	18		4	6	1	5	8	1	3	5	3	1	12	3	**193**
H14	25	14	10	21	10	7	21	23	26	20	19	9	8	16	16	7	22	3	12	16	24	14	20	4	**367**
HR17	22	13	11	37	17	15	85	44	23	84	36	3	7	13	40	5	620	3	9	39	58	8	15	19	**1226**
S07	4	4	2	2		33	944	34	2	49	9	1		5		1	24		1	1	2	2	29	4	**1153**
S08	30	6	2	7	2	12	43	52	1	1	10				1				1				679	1	**848**
S11	3	1		5			3	29	1	1	587					1							24	2	**657**
T01	1018	154	122	151	78	25	36	38	57	3	31	4	57	2	1	11		2	1		1		158	3	**1953**
T04	157	14	30	1357	17	1	9	56	4		106	1	105		1	54	2		1				46	17	**1978**
T08	27	13	3	27		11	299	1130	2	22	292		6		1	4	15			1	3		319	5	**2180**
T09	11	112	13	12	82	58	2		1039	43	4	101	7	37		2	4	15	14	3	1	14	3	5	**1582**
T10		8				73	140	29	37	914	5	10		127	21	1	96	3	16	83	17		9	3	**1592**
T19	8	2	1			2	2	1	9	12	1	38	1	170	137		8	5	247	38	14	58	1	19	**774**
Total	**5524**	**2642**	**2128**	**5783**	**3195**	**2818**	**5984**	**5261**	**4365**	**4325**	**4529**	**1536**	**2152**	**2766**	**1961**	**819**	**3483**	**523**	**1369**	**2269**	**1895**	**1069**	**5106**	**310**	**71812**

Total Incidents

Brush Truck 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	23	OOT	Total
B03	16	2	39	10	12			1	1		1		2			2					1		3	5	**95**
B05	1	2	6	3	34		1	1	4	1		1	5				1	2				1	1	1	**65**
B06	2	1			3	5		1	1	1			2							1	1	1	1	1	**21**
B07		1			1	4	20	16		3	3		1								1			1	**51**
B10					1	1	3	1		4						1	1						2	1	**15**
B11		1		2	1		1	7	1		39	1	2			2					1		2	1	**61**
B12					2	1	1	2	11	1		12						1		1	1	1		2	**36**
B13	1	1	2	20	15	1	1	2	2	2	2		38			1	1	4						1	**94**
B14									2	1		3		4						1		1			**12**
B15	1	1	1		1	1	1	1	2	1		1		1	8		1		2	1	5	1			**30**
B16	1	2		3	1	1	2	4	1		1		8			8				1	1			5	**39**
B17					1	1	2	4			2						10				1	1		1	**23**
B18	1				1		1		2	2		5		1		2		19							**34**
B19	1	2	2	2	1	1	2	3	1	2	1	2		4	2	1	2		1		2	2	1	1	**36**
B20	1	3		1	3			1	1	2							1			2	4			1	**20**
B21	1	1	1		2	1	1		3		1				1		1				11			1	**25**
B22	2	2	1		1	2	1	1		2	1			1	1	1				2		10			**28**
Total	**28**	**19**	**52**	**41**	**80**	**19**	**37**	**45**	**32**	**22**	**51**	**25**	**58**	**11**	**12**	**18**	**18**	**26**	**3**	**9**	**29**	**18**	**10**	**22**	**685**

Wildland 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	23	OOT	Total
W04	4	1	2	9	3		3	7			6	1	5			5		1			1		4	2	**54**
W09	1	3	1	3	4	1	1		11	2	2	2	2		1	1	1	1				2			**39**
Total	**5**	**4**	**3**	**12**	**7**	**1**	**4**	**7**	**11**	**2**	**8**	**3**	**7**		**1**	**6**	**1**	**2**			**1**	**2**	**4**	**2**	**93**

Battalion Chief 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	23	OOT	Total
BC1	163	103	63	204	107	44	18	29	118	5	28	5	97	4	2	42	1	3		2	3	1	62	11	**1115**
BC2	34	15	11	43	14	27	142	167	7	36	145	1	17	4	1	7	18	1		4	4	2	81	15	**796**
BC3	11	7	3	2	6	4	2	4	39	12	1	93	3	76	60		2	17	43	8	9	34	2	9	**447**
BC4	4	3	3	3	1	4	9	4	7	93	7	7	1	40	32	1	77	2	9	63	45	11	9	7	**442**
Total	**212**	**128**	**80**	**252**	**128**	**79**	**171**	**204**	**171**	**146**	**181**	**106**	**118**	**124**	**95**	**50**	**98**	**23**	**52**	**77**	**61**	**48**	**154**	**42**	**2800**

Motorcycle Responses by Still District

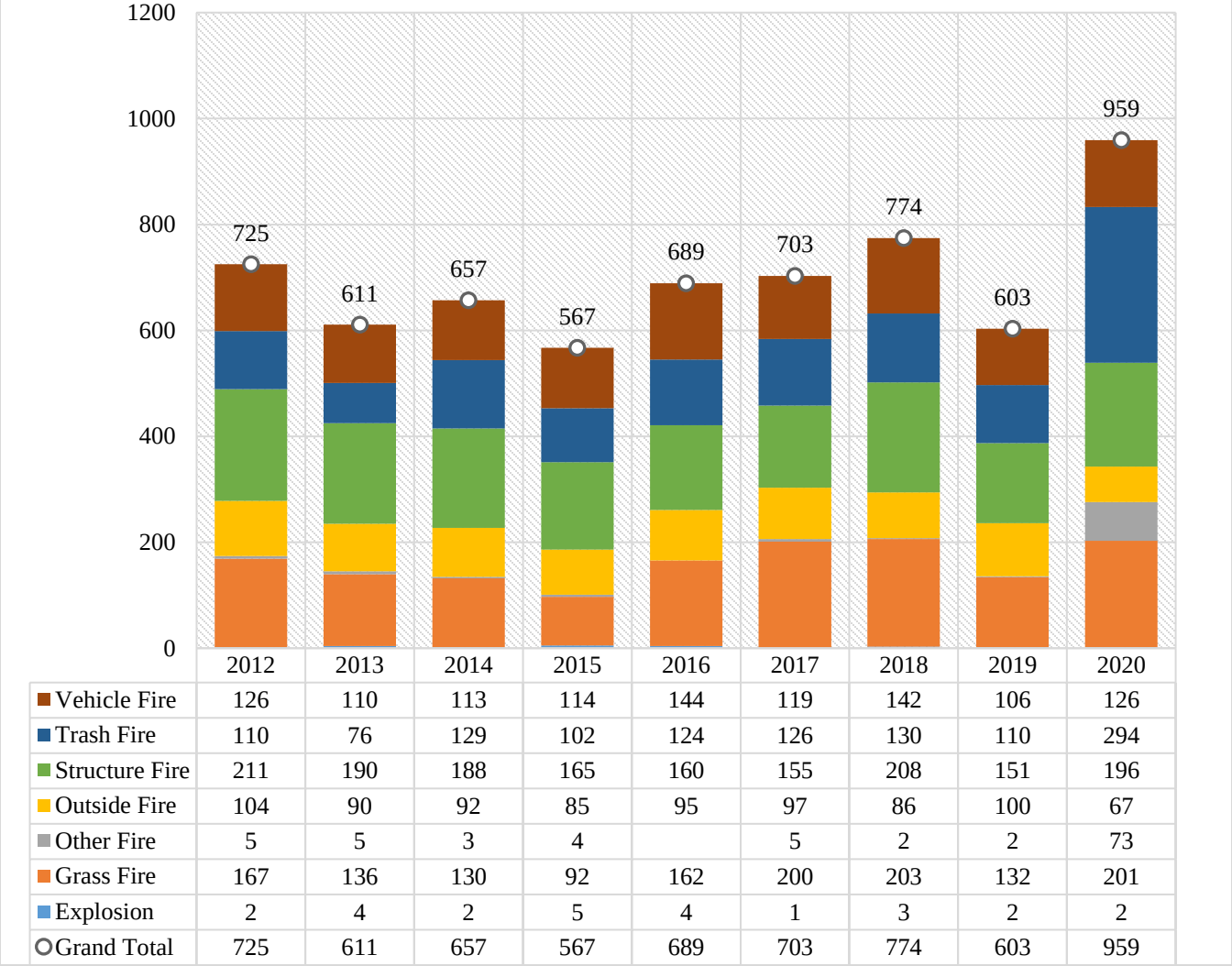
CMP	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	OOT	Total
MC131				7	4			1					2			2									**16**
MC132				6	3			1					2			2									**14**
MC133																2									**2**
MC134																2									**2**
MC51					1							1	2												**4**
MC52					1							1	2												**4**
Total	**0**	**0**	**0**	**13**	**9**	**0**	**0**	**2**	**0**	**0**	**0**	**2**	**8**	**0**	**0**	**8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**42**

Other Unit Responses by Still District

CMP	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	21	22	23	OOT	Total
A15	1	2	1			2	1	1		2	1		1	1	1	1	2		1	2		1	2	**23**
HOP1	98	4	22		5			7	3					6	1							4	4	**154**
MCOM1			1	1	1	1	2				1					1							1	**9**
OPS1							2																	**2**
SB1							1				2													**3**
SB2						1			1			1					1		1					**5**
SB3		1						1	1		1							1	1	1				**7**
SB4							1				1			1			1	1					1	**6**
TM2	55	2	3		1	1	1	8	25	1	2		1	3	1		3		2	1			3	**113**

Fire

Situation Found Overview



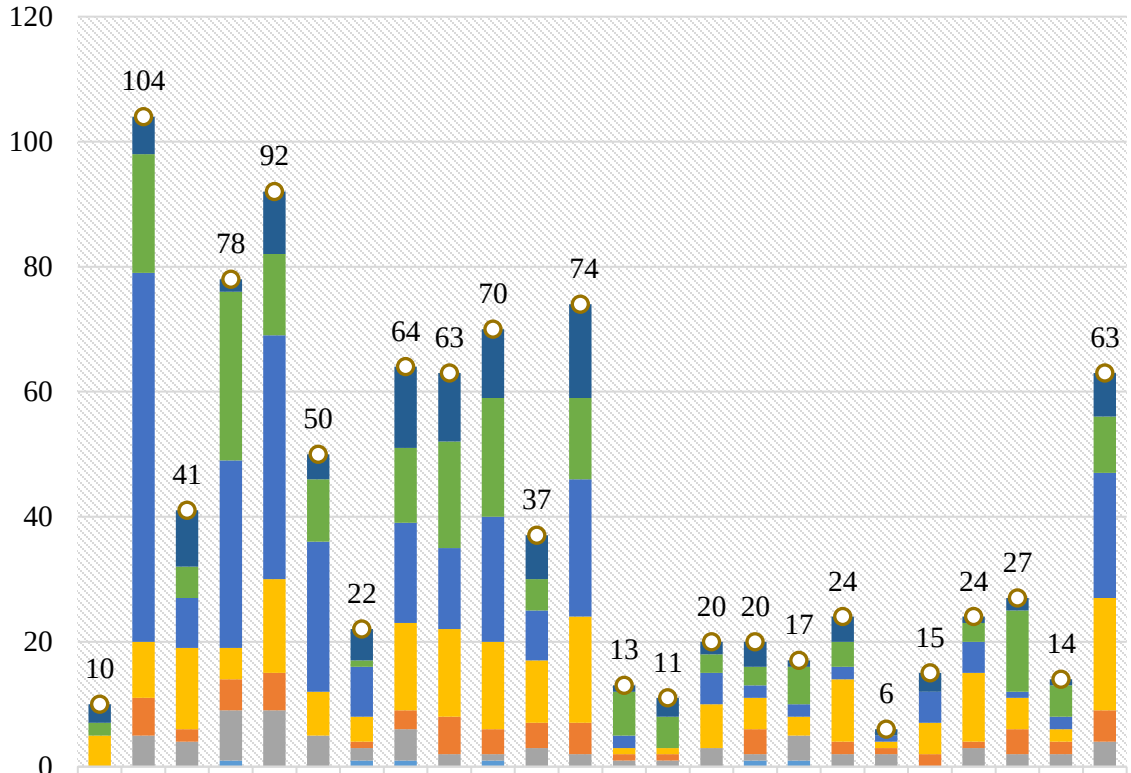
	2012	2013	2014	2015	2016	2017	2018	2019	2020
Vehicle Fire	126	110	113	114	144	119	142	106	126
Trash Fire	110	76	129	102	124	126	130	110	294
Structure Fire	211	190	188	165	160	155	208	151	196
Outside Fire	104	90	92	85	95	97	86	100	67
Other Fire	5	5	3	4		5	2	2	73
Grass Fire	167	136	130	92	162	200	203	132	201
Explosion	2	4	2	5	4	1	3	2	2
Grand Total	725	611	657	567	689	703	774	603	959

Fire Loss (In Dollars)[1]

FPU	Total Loss	Estimated Contents Loss	Estimated Property Loss
Commercial	$1,068,813		
Industrial	$1,200		
Institution	$10,625		
Multi Family	$4,502,931		
Other Residential	$464,099		
Single Family	$3,273,443		
Unknown	$2,269,719	$1,636,497	$633,222
Assembly Use	$2,000	$1,000	$1,000
Office Use	$19,772	$13,472	$6,300
Residential Use	$325,959	$249,067	$76,892
Total	**$11,938,561**	**$1,900,036**	**$717,414**

[1] FIS did not delineate between content and property loss.

Fire Situation Found by Still District



	OT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Vehicle Fire	3	6	9	2	10	4	5	13	11	11	7	15	1	3	2	4	1	4	1	3	1	2	1	7
Vegetation Fire	2	19	5	27	13	10	1	12	17	19	5	13	7	5	3	3	6	4			3	13	5	9
Trash Fire		59	8	30	39	24	8	16	13	20	8	22	2		5	2	2	2	1	5	5	1	2	20
Structure Fire	5	9	13	5	15	7	4	14	14	14	10	17	1	1	7	5	3	10	1	5	11	5	2	18
Outside Fire		6	2	5	6		1	3	6	4	4	5	1	1		4		2	1	2	1	4	2	5
Other Fire		5	4	8	9	5	2	5	2	1	3	2	1	1	3	1	4	2	2		3	2	2	4
Explosion				1			1	1		1						1	1							
Total	10	104	41	78	92	50	22	64	63	70	37	74	13	11	20	20	17	24	6	15	24	27	14	63

Extinguish Methods for All Fires (Jan-Jul only)

Method	2015	2016	2017	2018	2019	2020
Automatic Extinguishing System	10	4	4	9	8	
Ground Crews with Equipment	7	12	20	21	11	1
Makeshift Aids	47	41	48	36	29	17
Method of Extinguishing Not Classified	18	29	30	32	24	16
Portable Extinguisher	93	134	116	117	94	40
Self-Extinguished	36	30	25	32	34	20
Water Carried on Apparatus Assigned to Incident	275	370	386	408	320	242
Water from Hydrant Draft or Standpipe	55	53	67	128	71	64
Water from Tanker Shuttle	2		1	1	2	1
Not Available	3	7	6	7	1	353
Blank						197
Total	**546**	**680**	**703**	**791**	**594**	**959**

Ignition Factors for All Fires

Ignition Factor	2015	2016	2017	2018	2019	2020
Abandoned or discarded materials or products						17
Accidentally turned on, not turned off						1
Animal	2	1	4	3	1	0
Arc from faulty contact, broken conductor						1
Arc, spark from operating equipment						1
Arson/Incendiary	66	60	73	90	88	40
Backfire	5	3	3	3	4	4
Chimney Fires/Pyrophoric fires	4	4	2	6	3	2
Collision, knock down, run over, turn over	4	9	12	6	4	5
Combustibles too close to heat	25	32	31	33	32	18
Construction deficiency						1
Cooking unattended	27	32	33	37	31	16
Cutting, Welding	5	2	1		2	2
Design, manufacture, installation deficiency, other	1	3	3	1	1	2
Disposal of hot ashes or coal	23	21	23	9	13	14
Electrical failure, malfunction, other	69	69	61	80	63	50
Equipment overloaded	1	4	6	4	2	5
Equipment unattended						2
Exposure	4	3	5	27	2	1
Factors contributing to ignition, other						18
Failure to clean						1
Falling asleep; smoking in bed and cooking included	3	2	6	8	2	3
Fire spread or control, other						1
Fireworks	2	7	12	4	5	5
Flammable liquid misuse of		1		1		3
Flammable liquid or gas spilled	13	13	11	13	10	6
Flammable liquid used to kindle fire						3
Flammable liquid; improper container	7	2	4	4	7	1
Heat production equipment; incorrect use of	2	12	8	13	6	3
Heat production equipment; malfunction of	7	16	13	12	9	6
Heat source too close to combustibles.						28
High wind			4	5	1	10
Impairment; mental/physical/drug/alcohol		2	1	1		3
Improper container or storage procedure						8
Improper fueling technique						1
Installation deficiency						1
Leak or break	16	11	13	13	15	9
Lightning	10	10	5	12	9	4
Maintenance, lack of; worn out	8	12	10	23	6	5
Malicious mischief			3		1	1
Matches - adults, improper use of	11	7	6	9	8	4
Matches - children playing with, smoking	6	5	5	3	2	2
Mechanical failure, malfunction, other						13
Misuse of material or product, other						15
Natural condition, other						2
None						74
Not Available	10	31	7	7		161
Open burning; legal or illegal	32	48	66	59	40	30
Operational deficiency, other						1

Ignition Factor	2015	2016	2017	2018	2019	2020
Outside/open fire for debris or waste disposal						6
Outside/open fire for warming or cooking						17
Playing with heat source						6
Rekindle	1	3	2	4	2	2
Short-circuit arc from mechanical damage						4
Smoking	27	38	52	63	37	29
Spontaneous heating	5	13	4	11	10	13
Suspicious; insufficient info to classify further	57	36	43	48	20	25
Thawing	1			1	1	1
Under investigation	5	6	5	16	4	1
Undetermined	25	30	25	34	31	155
Unknown, dumpsters, grass fires without suspects	62	132	141	128	123	91
Unspecified short-circuit arc						2
Worn out						3
Grand Total	**546**	**680**	**703**	**791**	**595**	**959**

Structure Fires

SFIR Exposures by Property Use	2015	2016	2017	2018	2019	2020
Commercial	24	13	21	27	26	12
Industrial	1	1	1	2	5	
Institution		6	5	4	2	2
Multi Family	38	41	42	46	40	26
Other Residential	5	2	2	6	1	5
Single Family	76	86	87	145	76	61
Not Available	9	10	1			5
Blank						85
Total	153	159	159	230	150	111

SFIR Top 10 Area of Origin	2015	2016	2017	2018	2019	2020
Cooking area, kitchen	37	41	37	48	35	27
Exterior balcony, unenclosed porch	6	8	9	37	10	14
Vehicle storage area; garage, carport	3	2	9	15	8	11
Common room, den, family room, living room, lounge	7	9	7	10	11	11
Bedroom - < 5 persons; included are jail or prison		2	1			8
Storage area, other	4	5	8	9	6	8
Bedroom - Residential	20	13	4	19	15	7
Exterior exposed surface	8	1	11	6	7	6
Exterior wall surface	4	7	5	5	1	6
Not Available	3	4	3	5	1	6

SFIR Top 10 Ignition Factors	2015	2016	2017	2018	2019	2020
Electrical failure, malfunction, other	26	25	24	32	29	21
Heat source too close to combustibles	14	17	17	19	18	20
Undetermined	10	12	7	13	11	20
Cooking unattended	21	24	20	30	22	13
Smoking	8	11	26	23	12	13
Not Available	4	5	4	4	0	8
Arson/Incendiary	17	11	12	19	14	7
Disposal of hot ashes or coal	2	4	4	4	2	6
Abandoned or discarded materials or products						5
High wind		0	1	1	0	4

SFIR Top 10 Contributing Factors	2015	2016	2017	2018	2019	2020
Careless act	37	34	59	70	46	34
Acts or omission	15	12	8	17	6	17
Malfunction of equipment	3	3	2			6
Electrical/Mechanical	16	11	13	22	21	5
Unable to report	9	6	10	10	6	5
Overheating	2	4	3	5	6	4
Wind (including tornadoes)		2	1			4
Maintenance inadequate	5	6	6	5	6	3
Vandalism	1					3
Building construction	1	0	3	5	3	2

Grass Fires

GFIR Area of Origin	2015	2016	2017	2018	2019	2020
Lawn, field, open area	54	84	102	108	54	60
Wildland area, woods	16	38	60	53	45	32
Truck, load carrying area			1	0	1	8
Outside area, other						8
Open area, outside; included are farmland, field						7
Exterior exposed surface	3	4	5	8	3	6
Highway, public way, street	5	6	9	2	8	5
Court, terrace, patio		1	1			3
Engine area, run gear, wheel area		1	0			1
Blank						71

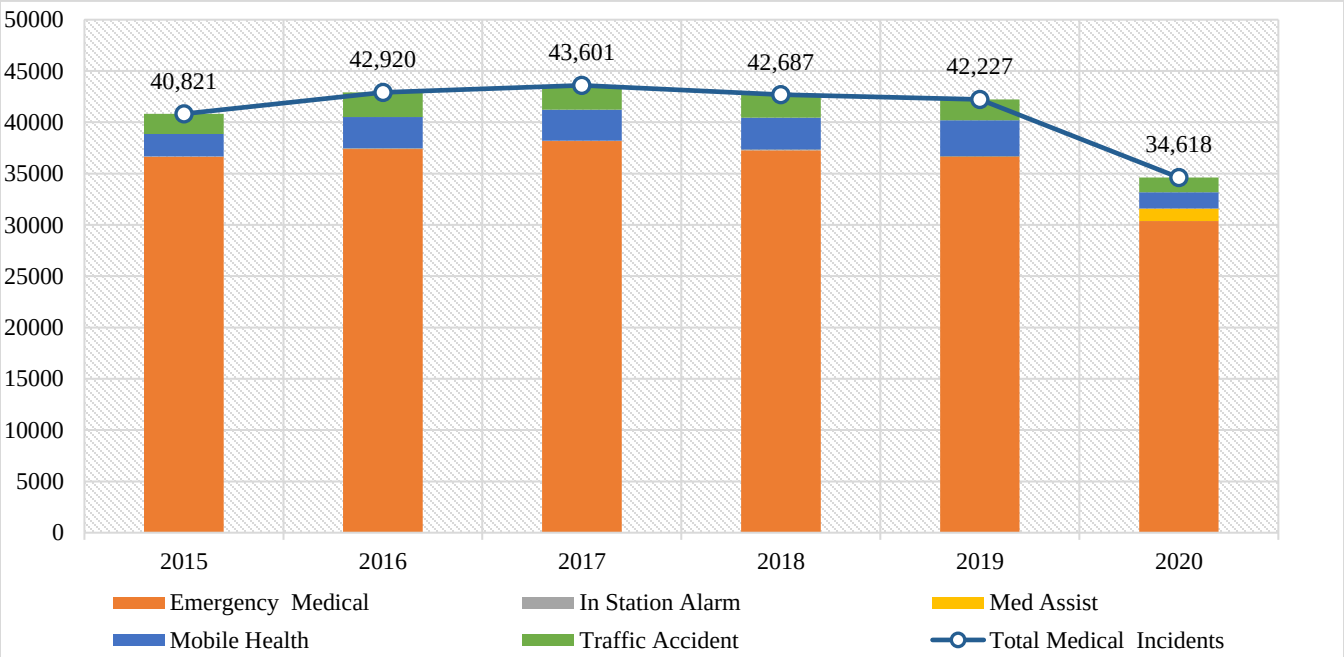
GFIR Top 10 Ignition Factors	2015	2016	2017	2018	2019	2020
Undetermined	3	6	6	7	8	43
Unknown, dumpsters, grass fires without suspects	24	53	72	56	50	42
Outside/open fire for warming or cooking	11	25	28	29	12	17
Suspicious	15	8	12	23	5	12
Animal		1	1			8
Heat source too close to combustibles	1	2	5	1	4	8
Malicious mischief			1			8
Smoking	4	9	9	21	8	8
High wind			2			5

GFIR Top 10 Contributing Factors	2015	2016	2017	2018	2019	2020
Careless act	16	36	56	50	30	29
Unable to report	23	24	32	40	30	24
Acts or omission	20	33	51	53	30	21
Wind (including tornadoes)	4	4	5	4	2	8
Natural conditions	3	2	10	5	7	5
Illegal or improper operation	1	0	1	4	4	3
Malicious mischief	1	5	2			3
Detection of fire		1	1			2
Juvenile activity	5	0	4	3	3	2
Lightning	2	2	1	5	4	2

Medical

Situation Found Overview

Year	2015	2016	2017	2018	2019	2020
EMS	36646	37401	38160	37278	36661	30364
In Station Alarm	40	89	45	31	15	8
Med Assist				17	12	1210
Mobile Health	2175	3028	3028	3128	3526	1607
Traffic Accident	1960	2402	2368	2233	2013	1429
Total	40821	42920	43601	42687	42227	34618

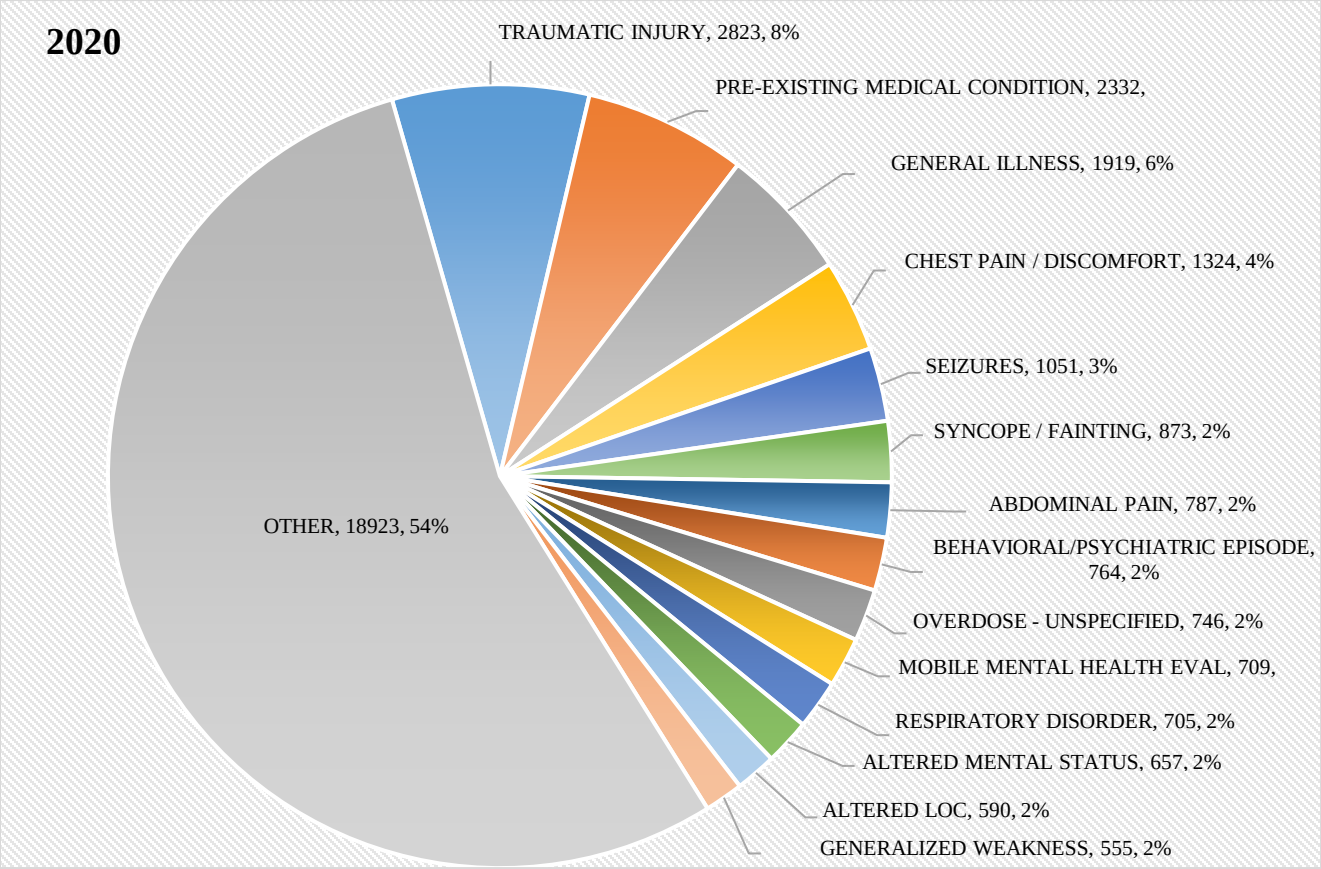


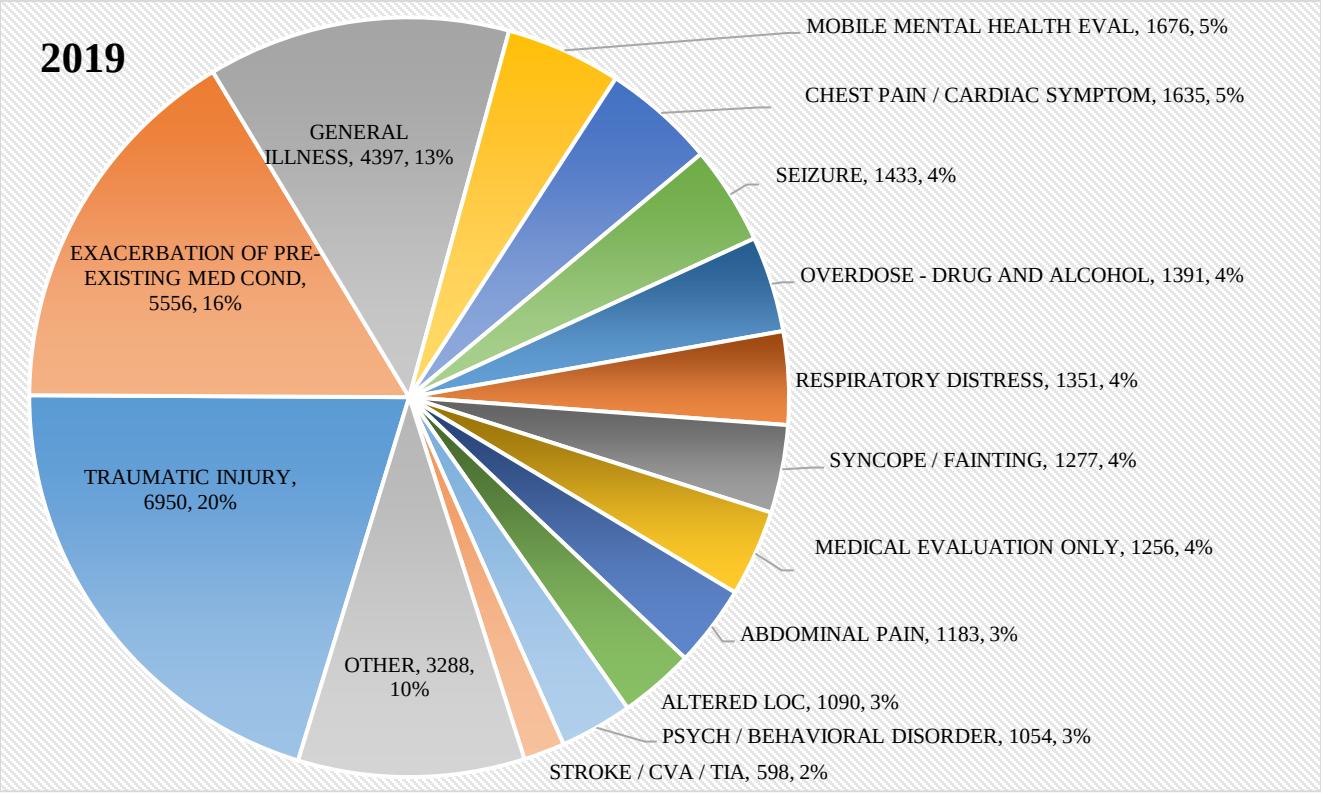
Medical Action Taken	2015	2016	2017	2018	2019	2020
OTHER	3	5	2	5	35	3885
Advanced Life Support ALS	12780	13668	13760	13211	12487	16925
Basic Life Support BLS	24368	25225	25367	23832	21613	13948
Total	**37151**	**38898**	**39129**	**37048**	**34135**	**34758**
Advanced Life Support ALS %	34%	35%	35%	36%	37%	49%
Basic Life Support BLS %	66%	65%	65%	64%	63%	40%

[2]

[2] ESO XLS Based on Level of Service Field

Primary Assessments





Primary Assessments: Alphabetical List

Primary Assessment	2015	2016	2017	2018	2019	2020
Abdominal Pain	1573	1494	1354	1375	1183	787
Acute abdomen						1
Acute Bronchitis						5
Acute Bronchospasm						6
Acute Coronary Syndrome						12
Acute epiglottitis						1
Acute Pain, not elsewhere classified						131
Acute Respiratory Distress (Dyspnea)						365
Airway Obstruction	107	102	124	90	91	57
Alcohol dependence with withdrawal						68
Alcohol use						413
Allergic Reaction	254	261	265	257	251	158
Altered LOC	1591	1351	1326	1241	1090	590
Altered Mental Status						657
Altitude Sickness						2
Amputation of limb						5
Amputation of other parts of head						1
Anaphylactic Shock						1
Anaphylaxis						4
Anemia						1
Angina pectoris						8
Angina, unstable						1
Anxiety reaction/Emotional upset						385
Asthma						35
Back Pain						312
Bedridden						7
Behavioral/psychiatric episode						764
Bell's Palsy						1
Birth (For Neonate Only)	20	23	17	14	11	8
Brain Injury						7
Burns	24	41	54	47	30	35
Cancer						13
Cannabis related disorder						3
Carbon Monoxide poisoning						1
Cardiac Arrest (Medical)	349	379	390	437	399	527
Cardiac Arrest (Trauma)	21	20	25	25	19	20
Cardiac Dysrhythmia	230	258	276	284	317	245
Cardiogenic shock						4
Chemical burn						1
Chest Pain/Cardiac Symptom	1514	1546	1733	1639	1635	1324
Chest pain on breathing						55
Chest Pain, Other (Non-Cardiac)						95
Chronic Obstructive Pulmonary Disease (COPD)						42
Cocaine related disorders						1
Common Cold						8
Concussion with loss of consciousness						10
Concussion without loss of consciousness						5
Confusion/Delirium						45
Congestive heart failure (CHF)						16

Medical

Primary Assessment	2015	2016	2017	2018	2019	2020
Constipation						11
Cough						34
COVID-19 - Confirmed by testing						58
COVID-19 - Exposure to confirmed patient						13
COVID-19 - Suspected - no known exposure						33
Dehydration						24
Diabetic Hyperglycemia						62
Diabetic Hypoglycemia						170
Diabetic Symptom	493	510	583	597	526	259
Diarrhea						33
Displacement of urinary catheter						7
Dizziness						190
Do Not Resuscitate	21	32	19	16	10	3
Drowning						1
Dysphagia						2
Ear problem						4
Edema						9
Effects of Air Pressure and Water Pressure						1
Electrocution	26	14	35	22	20	7
Encounter for full-term uncomplicated delivery						3
End stage renal disease (ESRD)						2
Epidural Hemorrhage						1
Epistaxis						49
Esophageal obstruction						8
Exacerbation of Pre-Existing Med Condition	6839	6841	6970	6530	5556	2332
Extremity Pain						405
Eye Injury						7
Eye Pain						11
Failure to Thrive (Adult)						38
Failure to Thrive (Child)						2
Fatigue						28
Febrile Seizures						12
Fever						48
Flu Like Symptoms	684	686	663	668	490	444
Foreign Body in Genitourinary Tract, Part Unspecified						2
Foreign Body in Larynx						1
Foreign Body in Respiratory Tract						20
Foreign Body in Vulva and Vagina						2
Frostbite, Superficial						1
Gastro-esophageal reflux disease (GERD)						5
Gastrointestinal hemorrhage						31
General Illness	3947	4482	4534	4439	4397	1919
Generalized edema						7
Generalized Weakness						555
Hallucinogen related disorders						6
Headache						140
Heat Exhaustion						4
Heatstroke and Sunstroke						2
Hematemesis						2
Hematoma (Non-Traumatic)						1

Medical

Primary Assessment	2015	2016	2017	2018	2019	2020
Hemorrhagic Shock						3
Hemorrhaging/Bleeding	388	412	372	354	309	257
Hemothorax (Traumatic)						3
Hyperkalemia						3
Hypertension						35
Hypertensive crisis						2
Hyperthermia/Environmental	13	15	9	15	18	9
Hyperventilation						7
Hypoglycemia (Not Diabetic)						4
Hypotension						50
Hypothermia/Environmental	37	35	27	22	33	28
Hypovolemia						1
Hypovolemia/Shock	30	26	26	34	44	15
Infectious Disease						6
Influenza						2
Inhalation Injury (Toxic Gas)	30	37	20	14	13	9
Injury						392
Injury of Abdomen						8
Injury of Ankle						17
Injury of Ear						1
Injury of Elbow						6
Injury of Face						72
Injury of Foot						12
Injury of Forearm						10
Injury of Head						177
Injury of Hip						55
Injury of Lower Back						18
Injury of Lower Leg						36
Injury of Neck						59
Injury of Nose						8
Injury of Pelvis						3
Injury of Shoulder or Upper Arm						30
Injury of Thigh (Upper Leg)						22
Injury of Thorax (Upper Chest)						17
Injury of Wrist, Hand, or Fingers						28
Intracranial hemorrhage						1
Kidney stones						2
Labor and delivery complications						2
Labor and delivery, uncomplicated						5
Laceration/Abrasion/Hematoma						257
Leakage of vascular dialysis catheter						1
Malaise						33
Medical device failure						3
Medical Eval Only\No Obvious Injury	1980	1947	1734	1459	1256	495
Mental disorder						19
Migraine						10
Mobile Mental Health Eval	1417	1942	1868	1599	1676	709
Nausea						115
No Complaints or Injury/Illness Noted						368
Not Available	5	11	2	8	45	8232

Medical

Primary Assessment	2015	2016	2017	2018	2019	2020
OB Delivery (For Maternal Only)	59	51	63	43	39	25
Obesity						7
Obvious Death/DOA	333	417	390	349	376	352
Opioid related disorders						5
Orthostatic Hypotension						2
Overdose - Acetaminophen						13
Overdose - Alcohol						54
Overdose - Amphetamine						12
Overdose - Benzodiazepine						7
Overdose - Cannabis						16
Overdose - Cocaine						1
Overdose - Drug and Alcohol		1310	1620	1490	1391	746
Overdose - Hallucinogens						7
Overdose - Heroin						32
Overdose - Methadone						3
Overdose - Opium						2
Overdose - Other opioids						57
Overdose - Synthetic marijuana						2
Overdose - Synthetic narcotics						10
Pain (Non-Traumatic)						70
Palpitations						8
Paralysis						3
Patient assist only						27
Pelvic and Perineal Pain						37
Pneumonia						21
Pneumothorax						1
Pneumothorax (Traumatic)						2
Poisoning	1168	263	93	85	52	23
Poisoning/Drug Ingestion						68
Pre-eclampsia						1
Pregnancy Complications	148	121	121	121	103	43
Pregnancy related conditions						30
Pregnancy with contractions						14
Preterm labor without delivery						2
Psych/Behavioral Disorder	1394	1343	1352	1269	1054	441
Pulmonary Edema, Acute						3
Pulmonary Embolism						3
Rash						3
Reduced Mobility						4
Renal Failure						1
Respiratory Arrest	44	26	25	33	40	38
Respiratory Condition due to Chemicals, Gases, Fumes, and Vapors						1
Respiratory Distress	1265	1174	1307	1215	1351	705
Respiratory Failure						15
Sedative, hypnotic, or anxiolytic related disorders						1
Seizure	1373	1448	1563	1409	1433	1051
Seizures with status epilepticus						11
Sepsis/Septicemia						42
Septic Shock						6

Medical

Primary Assessment	2015	2016	2017	2018	2019	2020
Sexual Assault	17	16	16	19	22	14
Shortness of breath						297
Skin infection						15
Smoke Inhalation						2
Spontaneous abortion (Miscarriage)						9
STEMI myocardial infarction of anterior wall						4
STEMI myocardial infarction of inferior wall						3
STEMI myocardial infarction of other sites						1
ST elevation myocardial infarction (STEMI)						9
Stings/Venomous Bites	37	36	35	31	30	6
Stroke/CVA/TIA	471	498	555	566	598	435
Subdural Hemorrhage (Traumatic)						3
Substance abuse						31
Suffocation or Asphyxia						2
Suicidal Ideation						49
Suicide attempt						39
Syncope/Fainting	1190	1329	1397	1360	1277	873
Toothache						3
Tracheostomy obstruction						1
Tracheostomy problem						4
Transient Cerebral Ischemic Attack (TIA)						21
Traumatic Circulatory Arrest						13
Traumatic Injury	8059	8401	8166	7872	6950	2823
Unconscious						32
Urinary Tract Infection (UTI)						31
Vaginal Hemorrhage						8
Visual Disturbance						4
Vomiting						89
Total	**37151**	**38898**	**39129**	**37048**	**34135**	**34758**

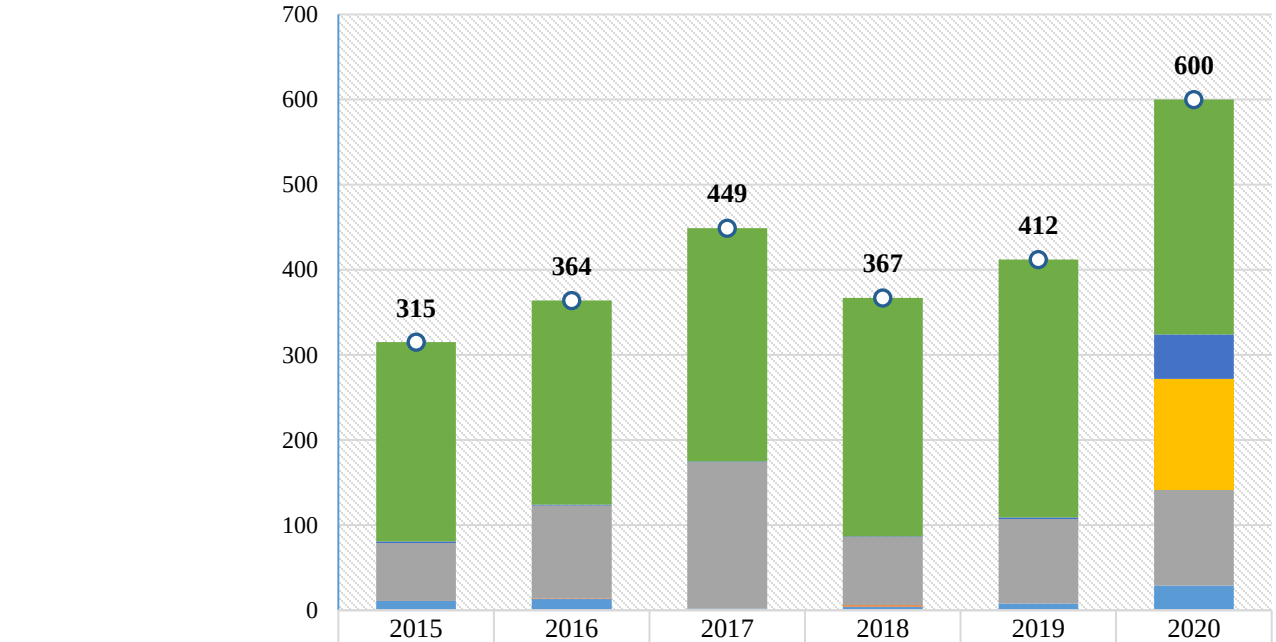
Main Procedures Used

Procedures Used: Top 50

Procedure	2015	2016	2017	2018	2019	2020
Assisted with Patient Loading	56029	60496	61955	61528	62796	23775
Vital Signs	42738	44904	45608	42922	42773	17368
Terminated Care Medical	36920	38742	39051	37017	36472	15063
Pulse-Ox	28616	31813	34022	32838	33917	13850
Glucometer	11556	13124	13258	12499	12777	4867
Cardiac Monitor - 12 Lead	6411	8037	8937	9120	10268	3832
IV Therapy	12252	13400	14031	13338	246	3481
Oxygen	5488	5228	5140	4616	4628	3349
Capnography	2462	2995	4286	6009	7137	2547
Refusal - Following Standing Orders	2718	2648	5804	5838	5729	2414
Breath Sounds	5804	6687	6683	6529	6510	2397
Cardiac Monitor	5749	5526	5430	4767	4618	2016
CPR	637	838	960	1045	1371	1253
Fentanyl	1230	1327	1326	1322	1412	916
Zofran	1284	1540	1854	1783	2235	790
Albuterol	1216	1217	1400	1259	1367	775
Spinal Motion Restriction	0	900	2019	1801	1454	760
BEFAST	0	0	638	1427	1764	722
Aspirin	986	1109	1284	1094	1105	680
Thermometer	18	16	21	11	17	649
Ondansetron						543
Bandaging	1109	1100	960	884	937	530
iGEL	0	0	165	275	388	407
CPSSS (C-Stat)	0	0	904	1258	1379	372
Narcan	520	561	609	543	554	332
Ketamine	138	226	636	491	557	308
Epi 1:10,000	906	1145	1261	1315	867	300
Suction	304	341	365	395	442	298
Versed	332	455	378	671	851	296
Intraosseous	394	417	497	544	20	262
Naloxone						258
Midazolam						239
Dextrose	511	517	596	543	491	224
Airway Nasal/Oral	478	498	452	412	347	214
Atrovent/Albuterol	385	381	484	490	618	212
Pulsara	0	108	358	459	554	211
Splinting	745	596	572	591	586	200
Bleeding Control	0	0	223	252	194	190
CPAP	171	211	252	203	242	178
IV Bolus						178
Dextrose 50%						171
Atrovent						165
Manual Defibrillation						158
Decadron	369	356	425	406	461	153
Patient Restraint	260	237	241	200	261	152
Defibrillation	268	318	315	334	306	135
Droperidol						135
C-Spine Clearance						133
Blood Draw	1163	1742	1875	1182	636	124

Hazardous Conditions

Situation Found Overview



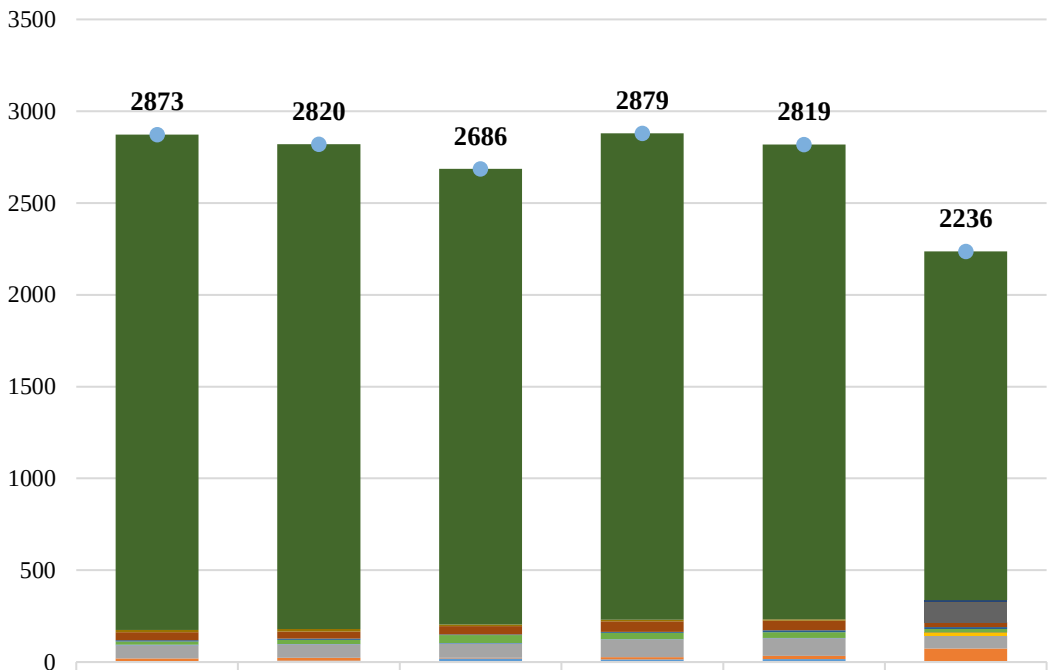
	2015	2016	2017	2018	2019	2020
Spills & Leaks	234	240	274	280	303	276
Hazardous Condition Other	2	1	1	1	2	52
Flammable Substance	0	0	0	0	0	130
Electrical Problem	68	109	172	80	99	113
Drug Lab	0	1	0	2	0	0
Accident/Potential Accident	11	13	2	4	8	29
Total	315	364	449	367	412	600

Hazardous Conditions

Situation Found	2015	2016	2017	2018	2019	2020
Accident/Potential Accident	**11**	**13**	**2**	**4**	**8**	**29**
Accident, potential accident, other						1
Aircraft Incident				1		
Aircraft Standby						7
Building or structure weakened or collapsed						4
Hazmat Standby\Not Classified Above	9	13	2	3	8	3
Vehicle accident, general cleanup						14
Rail Incident	2					
Drug Lab	**0**	**1**	**0**	**2**	**0**	**0**
Chemical Emergency/Clandestine Drug Lab		1		2		
Electrical Problem	**68**	**109**	**172**	**80**	**99**	**113**
Arching, Shorted Electrical Equipment	48	87	69	54	54	45
Electrical wiring/equipment problem, other						25
Heat from short circuit (wiring), defective/worn						3
Overheated motor						**3**
Power Line Down	20	22	103	26	45	37
Flammable Substance	**0**	**0**	**0**	**0**	**0**	**130**
Combustible/flammable gas/liquid condition, other						6
Gas leak (natural gas or LPG)						92
Gasoline or other flammable liquid spill						**27**
Oil or other combustible liquid spill						5
Hazardous Condition Other	**2**	**1**	**1**	**1**	**2**	**52**
Attempt to burn						1
Attempted burning, illegal action, other						9
Fire Setter Intervention (Inv. Only)		1			1	1
Hazardous condition, other						41
Play by Juveniles (Inv. Use Only)	2		1	1	1	
Spills & Leaks	**234**	**240**	**274**	**280**	**303**	**276**
Automatic CO Alarm Sounding (Valid)	79	75	66	75	66	**33**
Carbon monoxide incident						**71**
Chemical Emergency	4	4	8	5	5	2
Chemical hazard (no spill or leak)						1
Chemical spill or leak						10
Fuel Spill (Gasoline/Diesel, No Ignition)	46	44	44	45	44	22
Refrigeration leak						1
Spill, Leak with No Ignition (Gases Only)	82	87	122	127	152	115
Spill, Leak with No Ignition (Liquids Only)	22	29	31	28	36	15
Toxic condition, other						6
Explosive Removal	1	1	3			
Total	**315**	**364**	**449**	**367**	**412**	**600**

Rescue

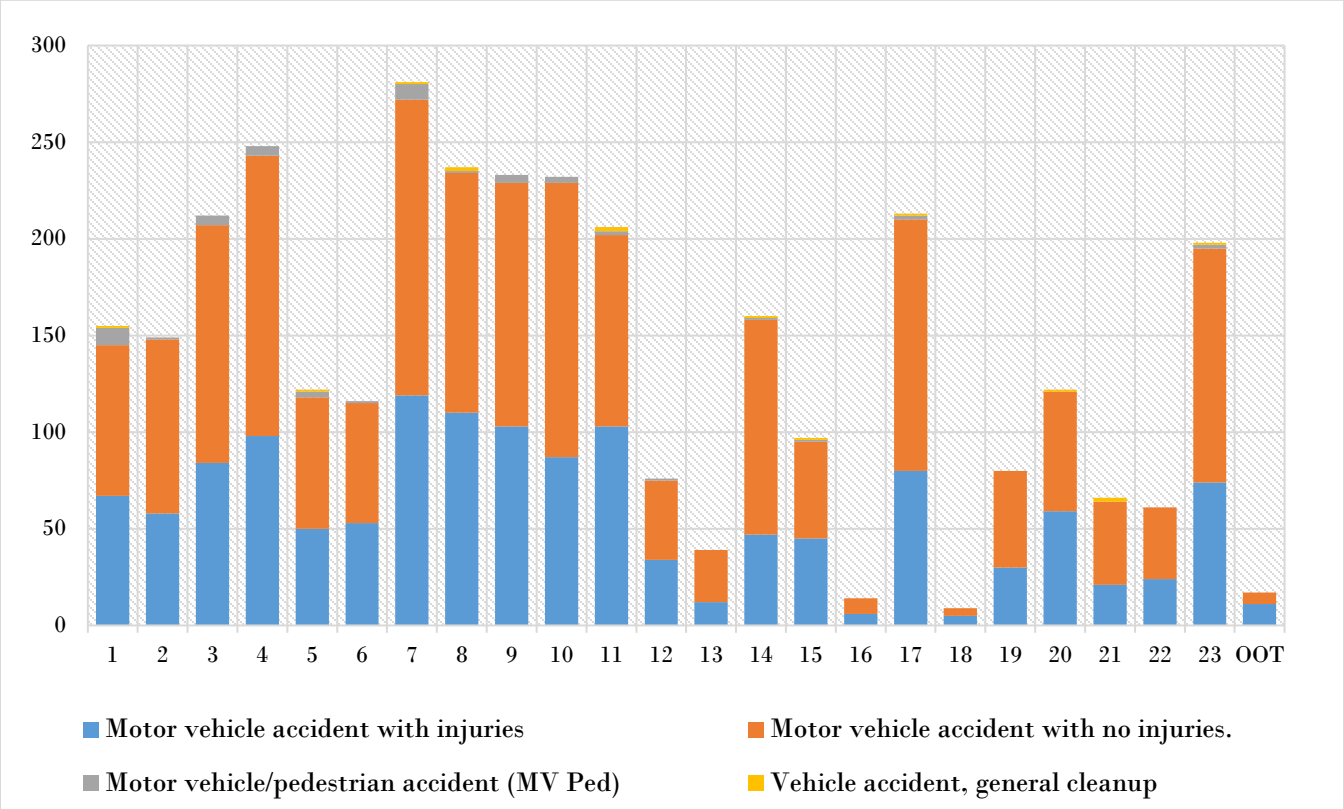
Situation Found Overview



	2015	2016	2017	2018	2019	2020
Traffic Accident	2698	2640	2482	2648	2586	1900
Rescue Water/Ice						8
Rescue Water	13	14	8	10	7	2
Rescue Standby						109
Rescue Other	43	39	46	57	53	27
Rescue Ice	7	7	3	5	10	10
Rescue High Angle	17	22	43	35	32	18
Rescue Collapse	4	2	4	2	1	2
Lost Person						17
Lock-In	72	73	76	95	97	70
Extrication	14	15	5	12	16	67
Entanglement	5	8	19	15	17	6
Grand Total	2873	2820	2686	2879	2819	2236

Traffic Accident

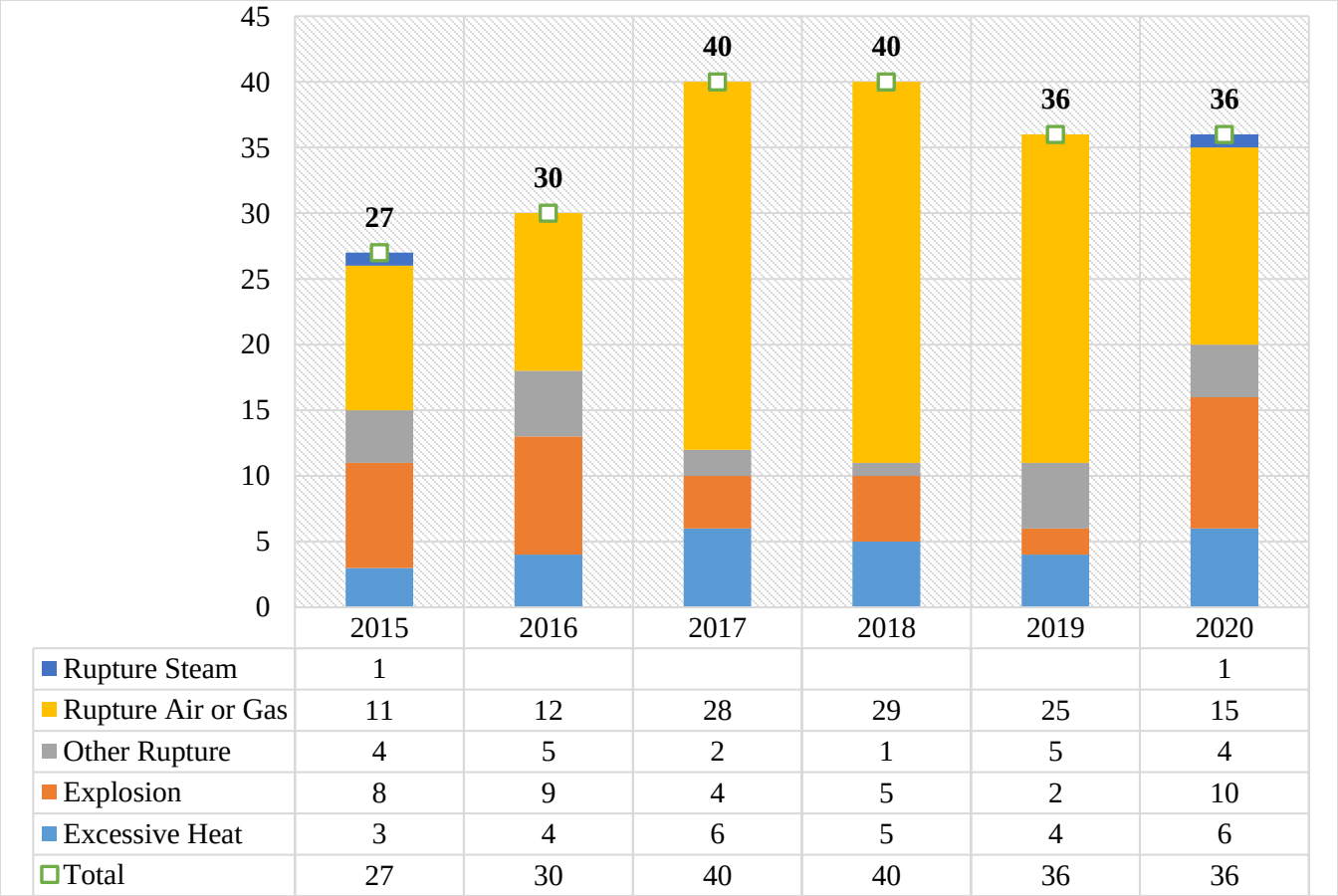
Traffic Accident by Still District



Situation Found	2015	2016	2017	2018	2019	2020
Motor vehicle accident with injuries	1960	2348	2354	2233	2013	1380
Motor vehicle accident with no injuries.	2698	2640	2482	2648	2586	1900
Motor vehicle/pedestrian accident (MV Ped)						49
Vehicle accident, general cleanup						14
Total	**4658**	**4988**	**4836**	**4881**	**4599**	**3343**

Over-Pressure/Rupture

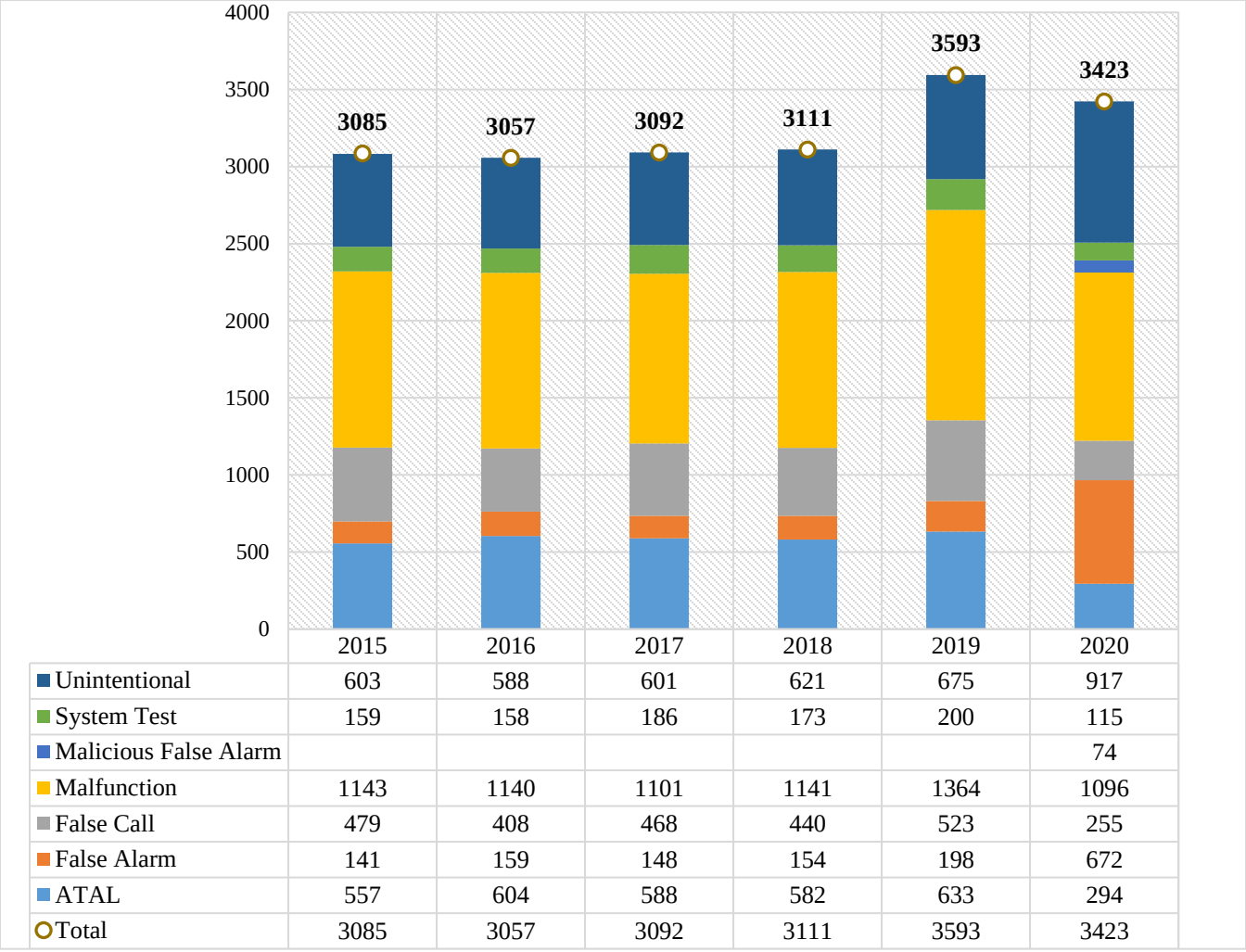
Situation Found Overview



Situation Found	2015	2016	2017	2018	2019	2020
Excessive Heat	**3**	**4**	**6**	**5**	**4**	**6**
Excessive heat, scorch burns with no ignition						5
Excessive Heat	3	4	6	5	4	
Explosion	**8**	**9**	**4**	**5**	**2**	**10**
Explosion (no fire), other						1
Fire-Explosion, No After-Fire	8	9	4	5	2	8
Fireworks explosion (no fire)						1
Other Rupture	**4**	**5**	**2**	**1**	**5**	**4**
Over-Pressure Rupture Unclassified	4	5	2	1	5	4
Rupture Air or Gas	**11**	**12**	**18**	**29**	**25**	**15**
Air, Gas Rupture (Gases Only)	11	12	28	29	25	13
Overpressure rupture from air or gas, other						1
Overpressure rupture of air or gas pipe/pipeline						1
Rupture Steam	**1**					**1**
Steam Rupture	1					1
Total	**27**	**30**	**40**	**40**	**36**	**36**

False Alarm

Situation Found Overview



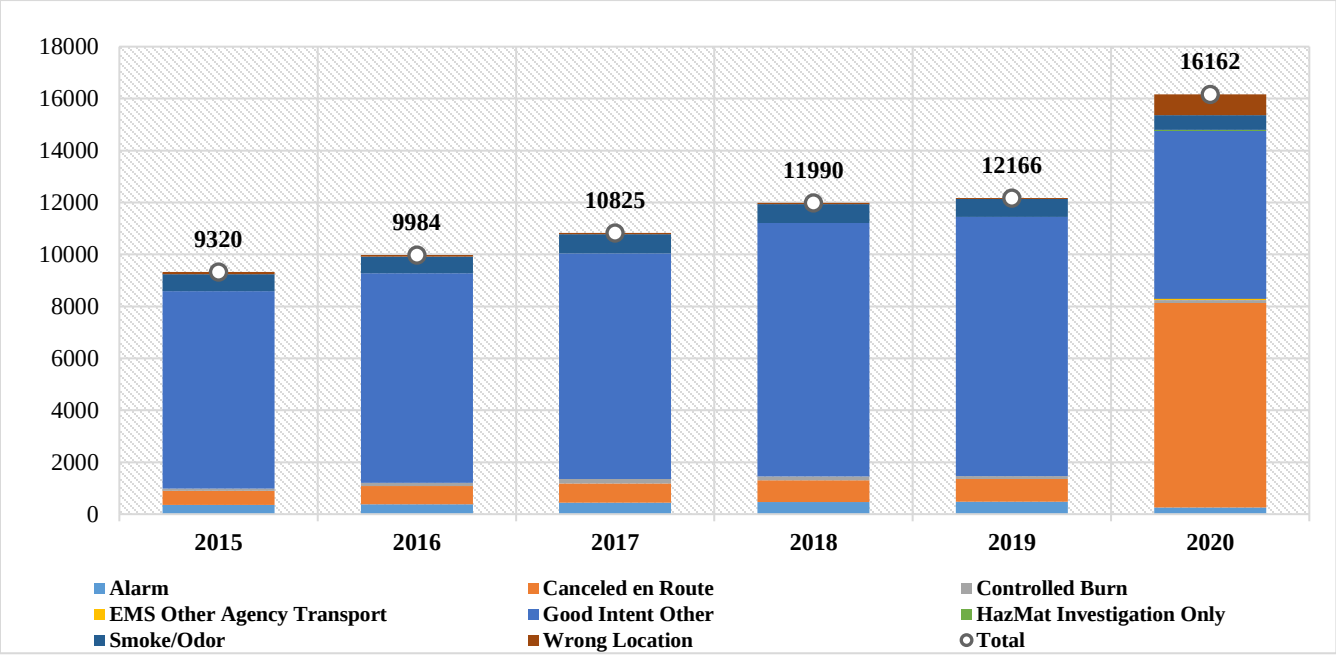
	2015	2016	2017	2018	2019	2020
Unintentional	603	588	601	621	675	917
System Test	159	158	186	173	200	115
Malicious False Alarm						74
Malfunction	1143	1140	1101	1141	1364	1096
False Call	479	408	468	440	523	255
False Alarm	141	159	148	154	198	672
ATAL	557	604	588	582	633	294
Total	3085	3057	3092	3111	3593	3423

False Alarm

Situation Found	2015	2016	2017	2018	2019	2020
ATAL	**557**	**604**	**588**	**582**	**633**	**294**
Alarm Detector Operated Due to Particle Contamination	358	381	395	388	412	187
Automatic Fire Alarm Sounding (No Fire)	199	223	193	194	221	107
False Alarm	**141**	**159**	**148**	**154**	**198**	**672**
Alarm System Vandalized	1	4	3	9	4	3
False alarm or false call, other						556
Residential Smoke Detector Sounding (Malfunction)	140	155	145	145	194	113
False Call	**422**	**358**	**398**	**383**	**478**	**255**
False Alarm, other	371	321	343	329	435	224
Malicious, mischievous false call, other	48	34	53	54	43	31
Biohazard Scare	1	3				
Bomb Scare, No Bomb	2		2			
Malfunction	**1143**	**1140**	**1101**	**1141**	**1364**	**1096**
Alarm System Malfunction - Discharged (Automatic)	67	53	51	58	68	27
Alarm System Malfunction - Lightning/Power Surge	49	45	31	24	31	16
Alarm System Malfunction - Unknown Cause	630	664	651	695	816	380
Alarm System sounded due to malfunction						89
Automatic CO Alarm Sounding (Malfunction)	267	231	276	246	295	222
CO detector activation due to malfunction						114
Extinguishing system activation due to malfunction						4
Heat detector activation due to malfunction						2
Smoke detector activation due to malfunction						102
Sprinkler activation due to malfunction						14
System malfunction, other	130	147	92	118	154	126
Malicious False Alarm	**60**	**53**	**72**	**57**	**45**	**74**
Central station, malicious false alarm						9
Direct tie to FD, malicious false alarm						1
Local alarm system, malicious false alarm						10
Malicious, mischievous false call, other	60	53	72	57	45	48
Municipal alarm system, malicious false alarm						5
Telephone, malicious false alarm						1
System Test	**159**	**158**	**186**	**173**	**200**	**115**
Alarm Testing - Failed to Notify Alarm Company	142	147	167	152	184	109
Alarm System Flow Testing - Failed to Notify Alarm Co.	17	11	19	21	16	6
Unintentional	**603**	**588**	**601**	**621**	**675**	**917**
Alarm Accidental Pull Station Activation	245	207	222	242	204	89
Alarm Accidental System Discharge (By Occupant)	151	150	149	187	202	101
Alarm system activation, no fire - unintentional						154
Carbon monoxide detector activation, no CO						78
Detector activation, no fire - unintentional						57
Extinguishing system activation						5
Smoke detector activation, no fire - unintentional						222
Sprinkler activation, no fire - unintentional						21
Unintentional	207	231	230	192	269	144
Unintentional transmission of alarm, other						46
Grand Total	**3085**	**3060**	**3094**	**3111**	**3593**	**3423**

Good Intent

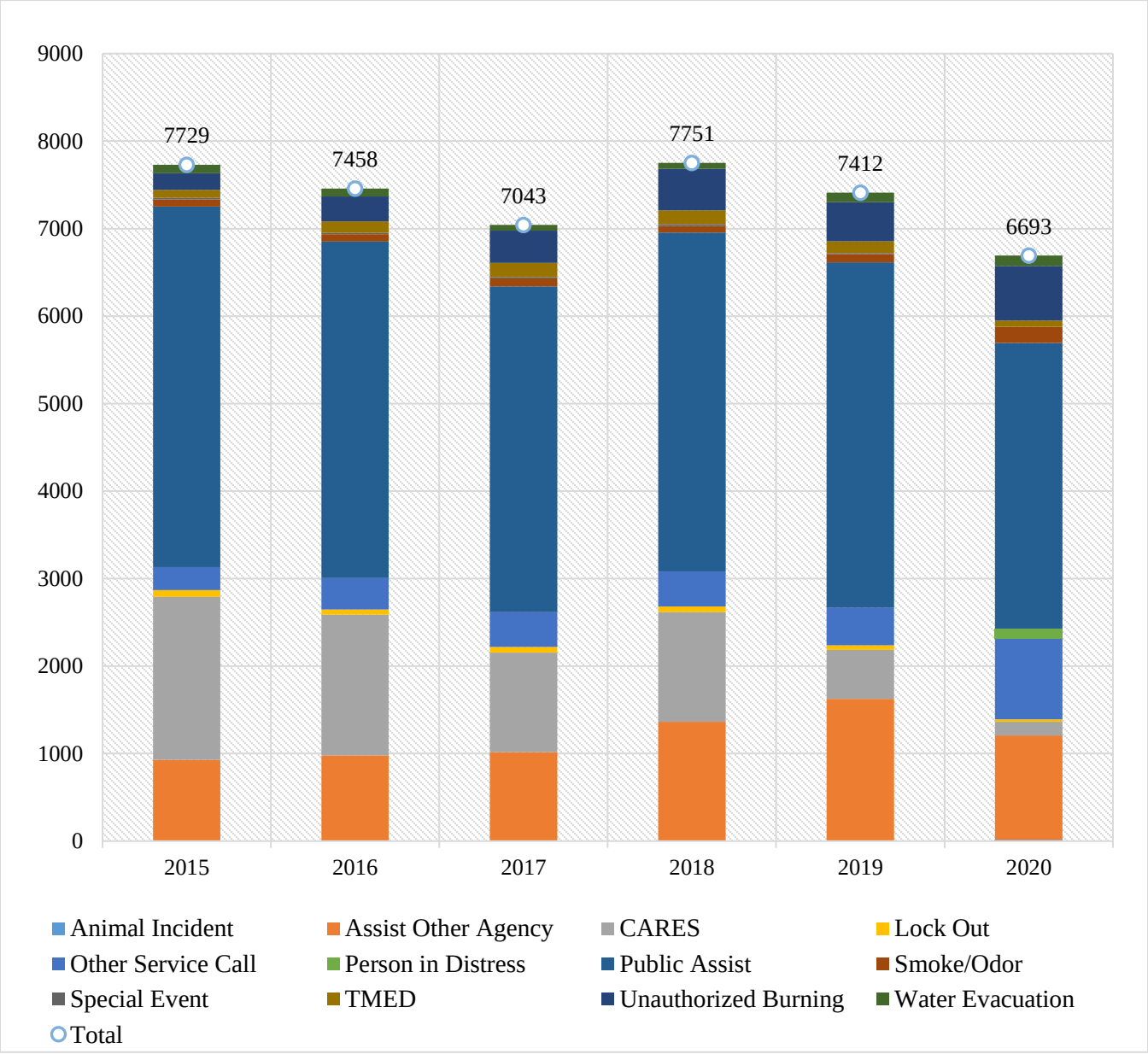
Situation Found Overview



Situation Found	2015	2016	2017	2018	2019	2020
Alarm	**350**	**380**	**439**	**462**	**473**	**257**
Alarm Smoke Conditions Only - No Fire	265	279	339	338	357	174
Residential Smoke Detector Sounding (No Fire)	60	75	88	92	85	54
Vicinity alarm (incident in other location)	25	26	12	32	31	29
Canceled ien Route	**544**	**698**	**737**	**847**	**881**	**7879**
Dispatched & canceled in route	544	698	737	847	881	7879
Controlled Burn	**94**	**128**	**180**	**146**	**105**	**109**
Controlled Burning	94	128	180	146	105	109
EMS with Other Agency Transport						**43**
EMS call, party transported by non-fire agency						43
Good intent other	**7594**	**8071**	**8685**	**9760**	**9980**	**6465**
Biohazard Scare		3	3	2	2	3
Good intent call, other	7594	8068	8682	9758	9978	6462
HazMat Investigation Only						**48**
HazMat release investigation w/no HazMat						48
Smoke/Odor	**662**	**638**	**736**	**724**	**690**	**558**
Smoke from barbecue, tar kettle						11
Smoke scare, odor of smoke						100
Smoke, Odor Condition	590	572	683	666	634	375
Steam, other gas mistaken for smoke, other	72	66	53	58	56	57
Steam, vapor, fog, or dust thought to be smoke						15
Wrong Location	**76**	**69**	**48**	**51**	**37**	**803**
No incident found on arrival at dispatch address						773
Wrong Location	76	69	48	51	37	30
Total	**9320**	**9984**	**10825**	**11990**	**12166**	**16162**

Service Call

Situation Found Overview

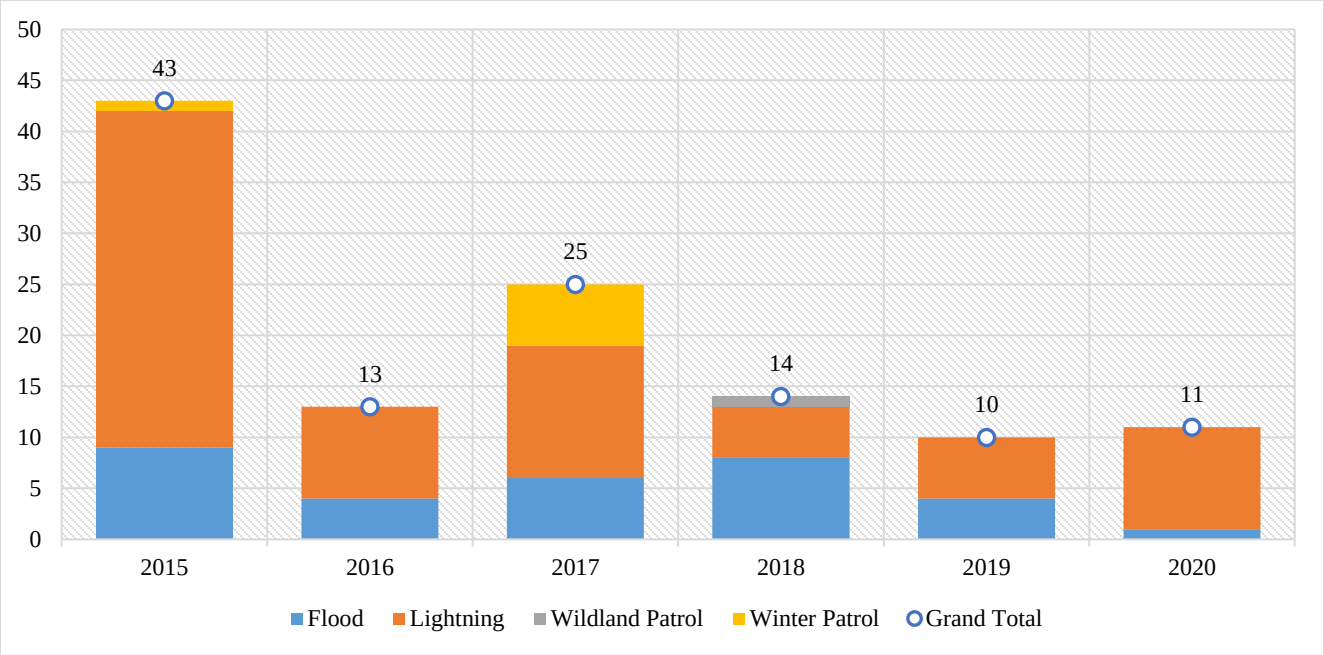


Service Call

Situation Found	2015	2016	2017	2018	2019	2020
Animal Incident						**15**
Animal problem, other						6
Animal rescue						9
Assist Other Agency	**929**	**978**	**1016**	**1362**	**1626**	**1193**
Assist Other Agency	929	978	1016	1362	1626	1193
CARES	**1863**	**1609**	**1138**	**1254**	**559**	**157**
Cares Call	1863	1609	1138	1254	559	157
Lock Out	**77**	**61**	**65**	**67**	**53**	**26**
Lock-Out (See Lock-In)	77	61	65	67	53	26
Other Service Call	**264**	**360**	**396**	**397**	**429**	**925**
Cover Assignment Standby, Move-Up	7	5	2	7	4	3
CRT						3
Lift Assist						88
Move-Up to Non-City Fire Station		1	2	2		
Service Call, other	257	354	392	388	425	831
Person in Distress						**112**
Lock-out						43
Person in distress, other						61
Ring or jewelry removal						8
Public Assist	**4119**	**3843**	**3724**	**3875**	**3947**	**3265**
Assist invalid						509
Assist police or another governmental agency						139
Defective elevator, no occupants						1
Life safety Inspection	2	1	3	5	6	1
Police matter						61
Public Assist (No Medical)	4117	3842	3721	3870	3941	2259
Public service						295
Smoke/Odor	**81**	**86**	**90**	**75**	**93**	**185**
Smoke or odor removal						149
Smoldering Food (No Ignition)	81	86	90	75	93	36
Special Event	**20**	**14**	**16**	**23**	**14**	
Special Events (Coordinator Only)	20	14	16	23	14	
TMED	**88**	**132**	**163**	**155**	**133**	**70**
Tactical Medical Response Operations	76	93	138	139	126	66
Tactical Medical Standby	12	39	25	16	7	4
Unauthorized Burning	**193**	**283**	**370**	**475**	**448**	**625**
Unauthorized Burning	193	283	370	475	448	625
Water Problem	**95**	**92**	**65**	**68**	**110**	**120**
Alarm Water Flow Due to Pipe Break	52	54	44	45	81	21
Water Evacuation	43	38	21	23	29	11
Water or steam leak						47
Water problem, other						41
Total	**7729**	**7458**	**7043**	**7751**	**7412**	**6693**

Severe Weather

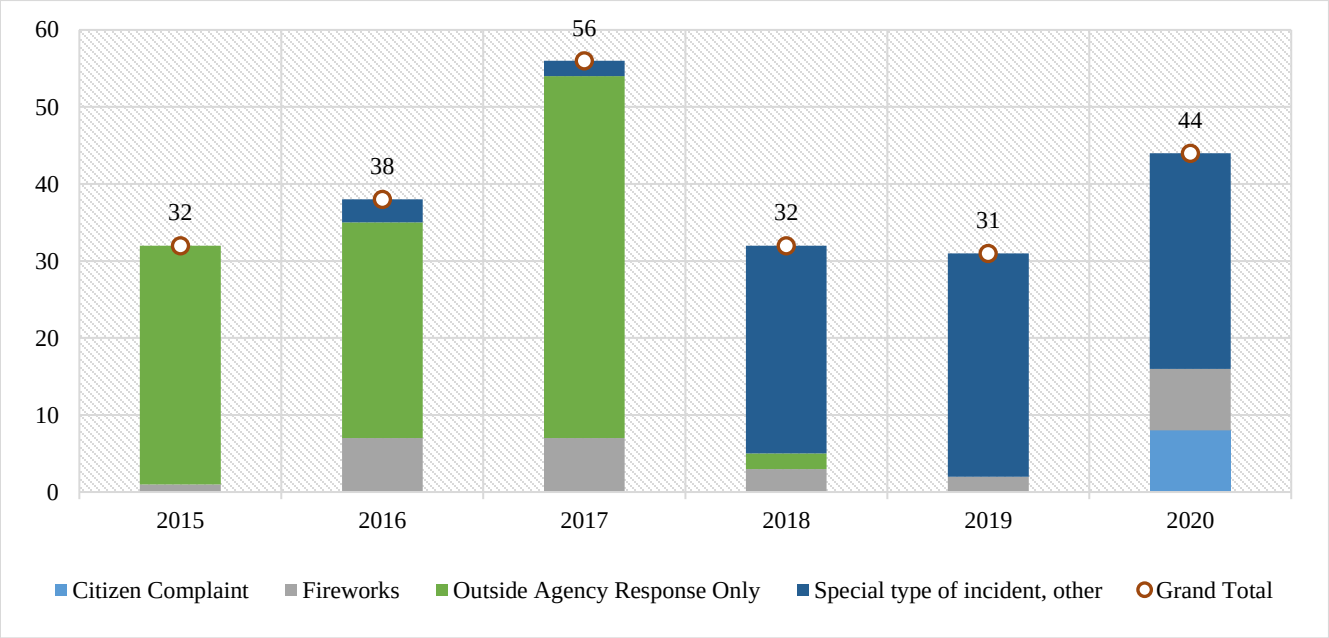
Situation Found Overview



Situation Found	2015	2016	2017	2018	2019	2020
Flood	**9**	**4**	**6**	**8**	**4**	**1**
Lightning	**33**	**9**	**13**	**5**	**6**	**10**
Wildland Patrol				**1**		
Winter Patrol	1		6			
Total	**43**	**13**	**2**	**14**	**10**	**11**

Other

Situation Found Overview



Situation Found	2015	2016	2017	2018	2019	2020
Citizen Complaint						**8**
Citizen complaint						8
Fireworks	**1**	**7**	**7**	**3**	**2**	**8**
Fireworks Complaint	1	7	7	3	2	8
Other	**31**	**32**	**49**	**29**	**29**	**28**
Outside Agency Response Only	31	28	47	2		
Special type of incident, other		3	2	27	29	28
Total	**32**	**38**	**56**	**32**	**31**	**44**

Mutual Aid

Year	Aid Type	False Alarm	Fire	Good Intent	Hazardous Condition	Medical	Other	Rupture	Rescue	Service Call	Severe Weather	Total
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
2017	Received		4	5	1	9			5			24
2017	Given	6	12	19	1	195	3		10	56		302
2018	Received		1	3		5			3			12
2018	Given	5	19	26	1	142	1		8	50		252
2019	Received		6		1	7				10		24
2019	Given	9	9	17	1	128			11	21		196
2020	Received		2									2
2020	Given	15	5	17	4	129		10	2	37		219
2020	Automatic aid given	1	1	9		39		2		4		56
2020	Automatic aid received	1		19	1	64		1		2	1	89
2020	Mutual aid given	1	3	7	1	13		1		8		34
2020	Mutual aid received	2	2	7		50	1	2		1		65
2020	Other aid given		1	31	1	26	1	1		105		166

Mutual Aid	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**
RECEIVED	**50**	**25**	**24**	**12**	**24**	**156**
False Alarm	5	2				3
Fire	2	5	4	1	6	4
Good Intent	9	2	5	3		26
Hazardous Condition		1	1		1	1
Medical	27	10	9	5	7	114
Other						1
Rescue	3	4	5	3		3
Rupture						
Service Call	4	1			10	
Severe Weather						1
GIVEN	**336**	**304**	**302**	**252**	**196**	**309**
False Alarm	13	7	6	5	9	17
Fire	9	9	12	19	9	9
Good Intent	63	29	19	26	17	33
Hazardous Condition		2	1	1	1	5
Medical	184	138	195	142	128	181
Other		4	3	1		
Over-Pressure Rupture		1				2
Rescue	28	19	10	8	11	13
Service Call	37	95	56	50	21	49
Severe Weather	2					

Mutual Aid

Mutual Aid Received

Mutual Aid	2015	2016	2017	2018	2019	2020
Received	**50**	**25**	**24**	**12**	**24**	**2**
Agency Not Identified	1	2	1	2	1	
Air Force Academy Fire Department	3	2	1		1	
Black Forest Fire Rescue District	2		2		1	1
Broadmoor Fire Protection District	5	2			1	
Cimarron Hills Fire Protection District			8	4	5	1
Colorado Centre	1					
Colorado State Forest Service						
Donald Westcott Fire Protection District	9	1		1		
El Paso County Fire Marshall (E.P.S.O)		2				
El Paso County Search & Rescue		1		1		
Ellicott Fire Protection District					1	
Falcon Fire Protection District			2	1	2	
Fort Carson Fire Department		1	2		2	
Highway 115 Fire Protection District	1					
Manitou Springs Volunteer Fire Department					1	
Northeast Teller County Fire Protection District			1			
NORAD/Cheyenne Mtn. Fire Department	22	10	4	1	1	
Peterson AFB Fire Department	1					
Security Fire Protection District	2		3		6	
Colorado State Patrol						
Stratmoor Hills Fire Protection District	3	3			1	
Tri-Lakes Fire Protection District					1	
United States Forest Service		1				
ESO: Automatic aid received						89
Agency Not Identified						89
ESO: Mutual aid received						65
Agency Not Identified						65

Mutual Aid

Mutual Aid Given

Mutual Aid	2015	2016	2017	2018	2019	2020
Given	**336**	**304**	**302**	**252**	**196**	**219**
Agency Not Identified	221	222	254	199	169	201
Air Force Academy Fire Department	23	10	1	2		1
Black Forest Fire Rescue District	2	4	2	4	1	1
Broadmoor Fire Protection District	9	6	5	6	5	
Calhan Volunteer Fire Department		1				
Cascade Fire Protection District					1	
Cimarron Hills Fire Protection District	3	4	10	4	3	3
Colorado Centre	14	18	7	6	2	1
Colorado State Forest Service						
Crystal Park Volunteer Fire Department		1				
Department/Agency Not Specified Above		2		1		
Divide/Florissant Fire Protection District	1					
Donald Westcott Fire Protection District	17	2			1	
Edison Volunteer Fire Department				1		
El Paso County Fire Marshall (E.P.S.O)	1	2		2		1
El Paso County Search & Rescue	1	1				1
Ellicott Fire Protection District	2	1	2	1		1
Falcon Fire Protection District		3	2	2	4	2
Fort Carson Fire Department	1	4	3	1	1	
Fountain Fire Department	2	1		1		1
Hanover Volunteer Fire Department	1			3	1	
Highway 115 Fire Protection District						
Manitou Springs Volunteer Fire Department	1		3			2
NORAD/Cheyenne Mtn. Fire Department	17	3				1
Northeast Teller County Fire Protection District						
Palmer Lake Volunteer Fire Department					2	
Peterson AFB Fire Department	7	6	3	3	2	1
Peyton Fire Protection District	1	1			1	
Security Fire Protection District	3	4	3	4	2	2
Colorado State Patrol				1		
Stratmoor Hills Fire Protection District	5	6	6	8	1	
Tri-County Volunteer Fire Department	2					
Tri-Lakes Fire Protection District	2	2	1	2		
United States Forest Service						
Victor Volunteer Fire Department						
ESO: Automatic aid given						**56**
Agency Not Identified						32
El Paso County Search and Rescue						1
CSPD						5
Cimarron Hills Fire Protection District						2
Broadmoor Fire Protection District						7
Colorado Centre Metro District						6
Black Forest Fire Rescue Protection District						1
Peterson Air Force Base Fire Department						0
EPSO						2
Pikes Peak Regional OEM						0
United States Air Force Academy Fire Department						0
Southwest Highway 115 Fire Protection District						0
ESO: Automatic aid given						**34**
Agency Not Identified						11

Mutual Aid

Mutual Aid	2015	2016	2017	2018	2019	2020
El Paso County Search and Rescue						1
CSPD						6
Cimarron Hills Fire Protection District						2
Broadmoor Fire Protection District						2
Colorado Centre Metro District						2
Black Forest Fire Rescue Protection District						3
Peterson Air Force Base Fire Department						1
EPSO						1
Pikes Peak Regional OEM						1
United States Air Force Academy Fire Department						2
Southwest Highway 115 Fire Protection District						2
ESO: Other aid given						**166**
Agency Not Identified						166

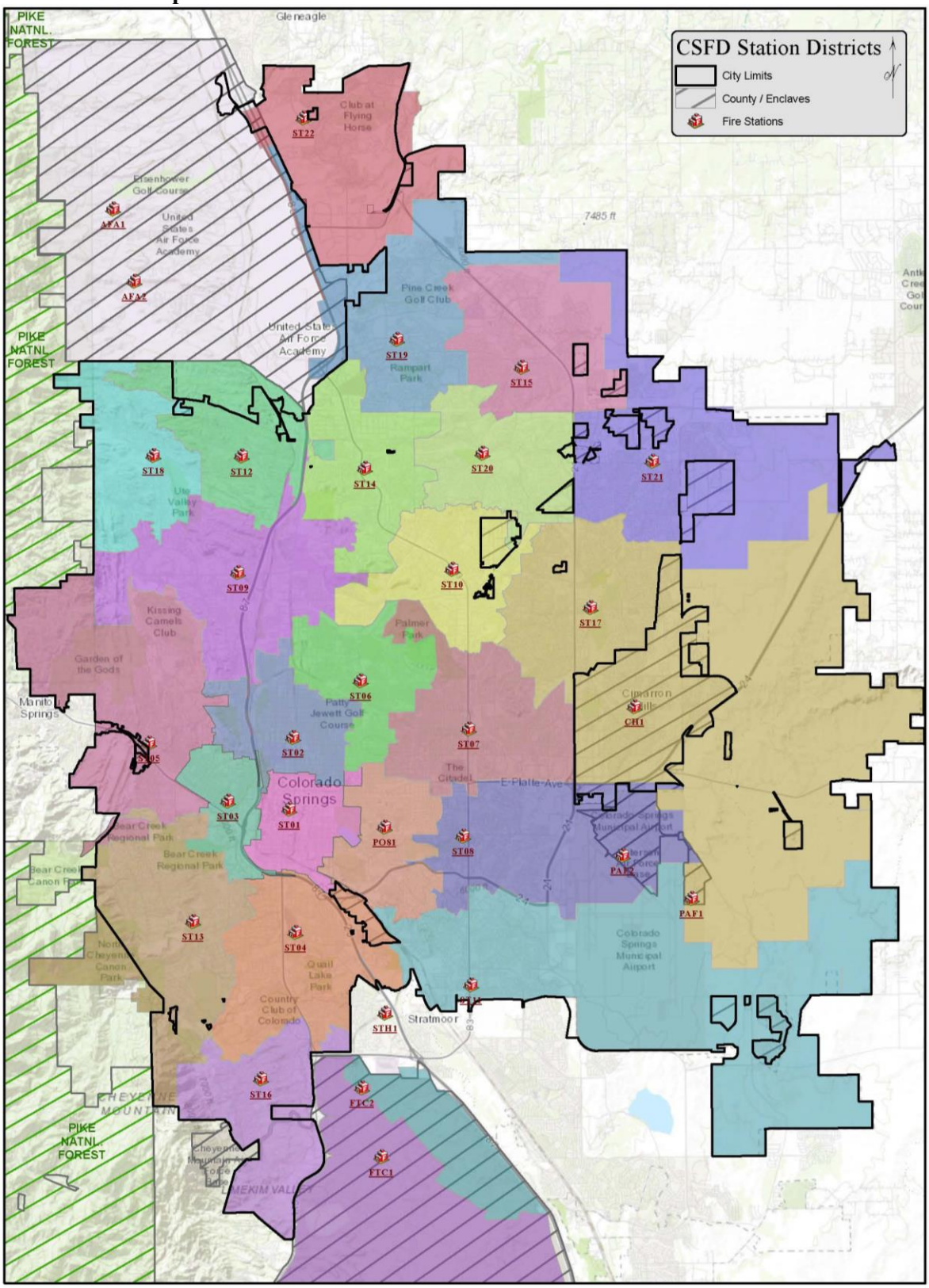
Appendix

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 is 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: The time the alarm is received by the 911 call center.
Arrival Time: The time the first company arrives to the incident.
ATAL: Automatic Alarm
ATCO: Automatic Alarm - Carbon Monoxide
ATMA: Automatic Alarm – Medical
B: Brush Truck
CAD: Computer Aided Dispatch
Call Type: Aka-Call type Dispatched, Dispatch Code, MPDS Code, CAD determinant code. A code that indicates a possible situation type for a call for service that is used by CAD to dispatch appropriate units.
Company Response Time: The difference between dispatched time and arrival time.
Standard of Cover: The percentage of time that the fire department meets its response coverage goals.
Dispatched Time: The time a CSFD company is assigned to the call.
E: Engine
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
H: Hazmat Truck
HR: Heavy Rescue
HZMT: Hazardous Material
Incident: A call for service to which at least one CSFD apparatus was assigned.
Incident Type: Defined by NFIRS; Type of incident found upon arriving at the scene. With FIS data the incident type will be the situation found with highest priority (formally known as primary situation found).
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 ranging value usually with Alpha being the least emergent category and Echo being the greatest.
MUA: Mutual Aid
OFIR: Other Fire
OT: Out of town
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.
RES: Rescue
Response Time: The time between a dispatch and the company being in route to an incident.
S: Squad
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.
T: Truck
TA: Traffic Accident
TEMS: Tactical Emergency Medical Services
Total Response Time: The difference between alarm time and arrival time.
Turnout Time: The difference between dispatched time and response time.
W: Wildland Truck

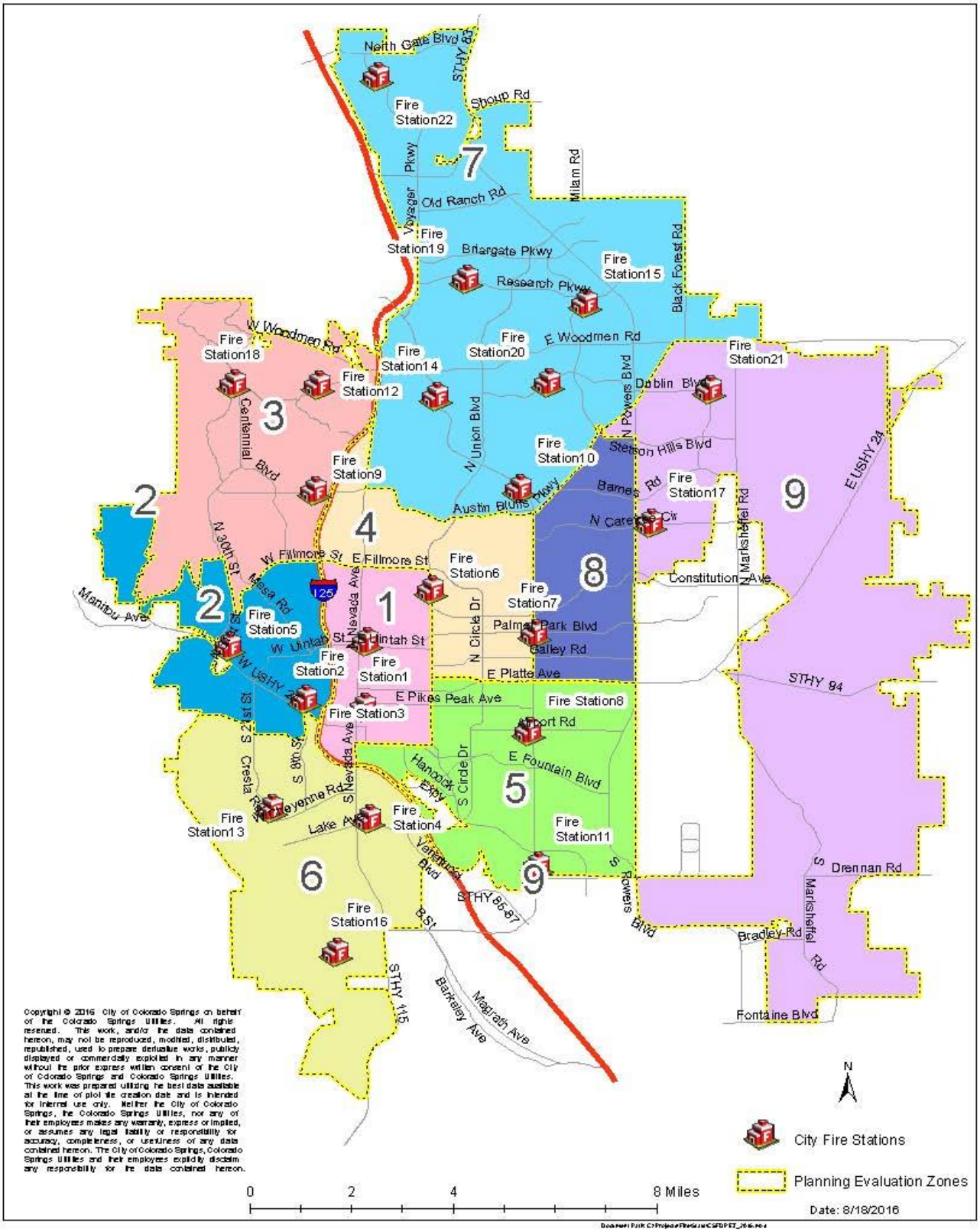
Appendix B: Maps

Service Area Map



Appendix

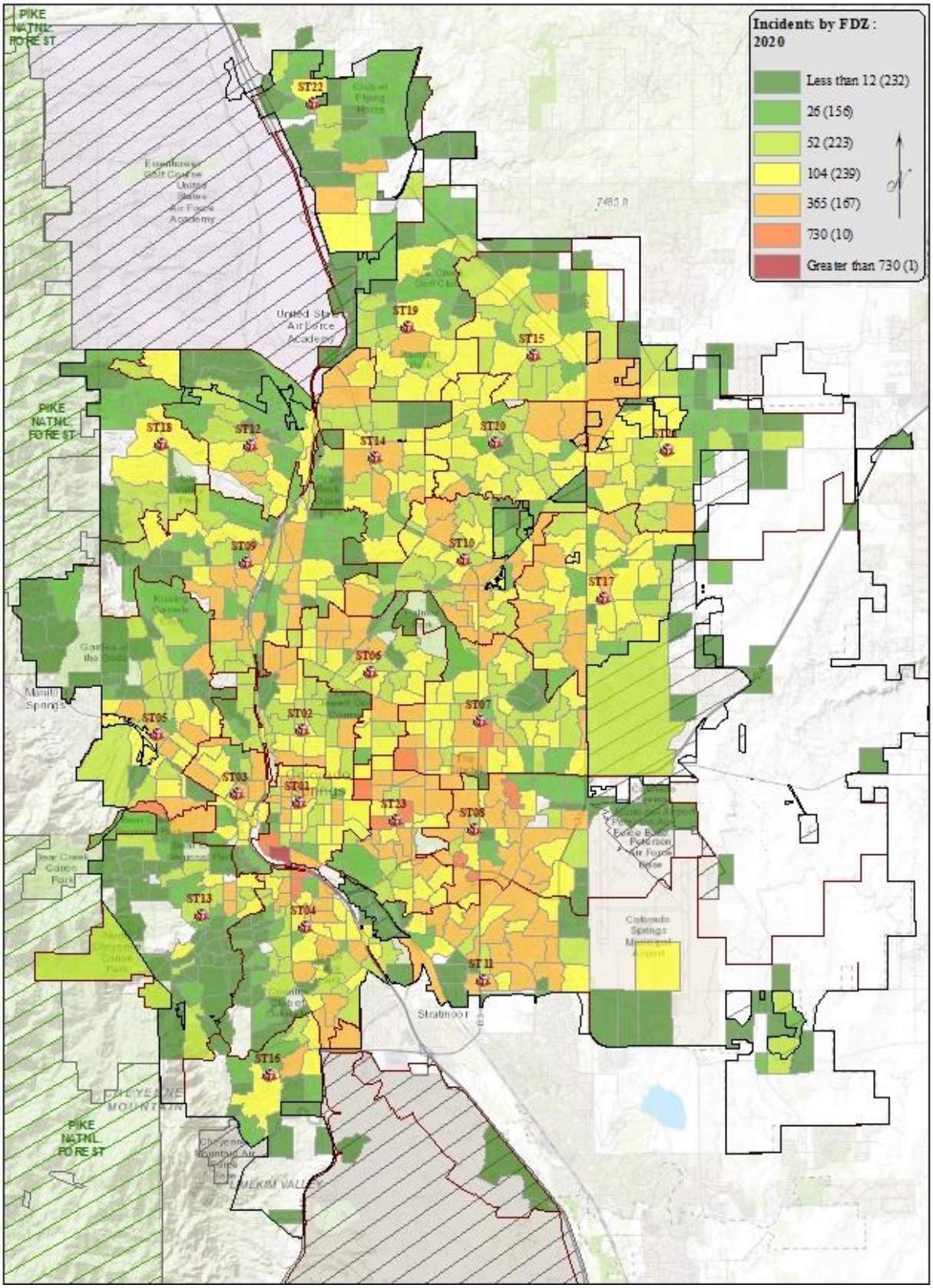
CSFD Planning Evaluation Zones



Appendix

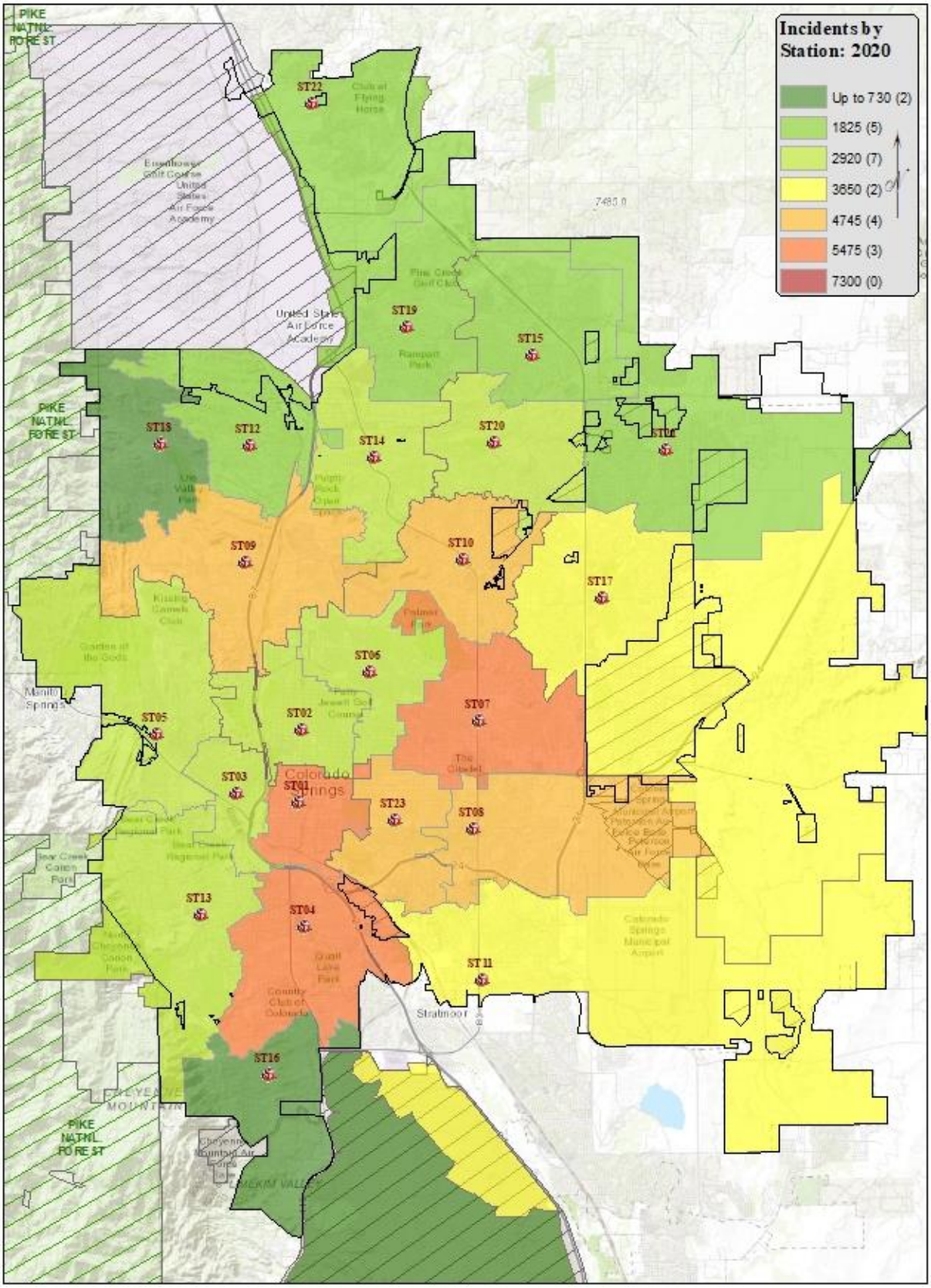
Incidents by FDZ

Numbers in parenthesis in legend indicate the number of elements in that category



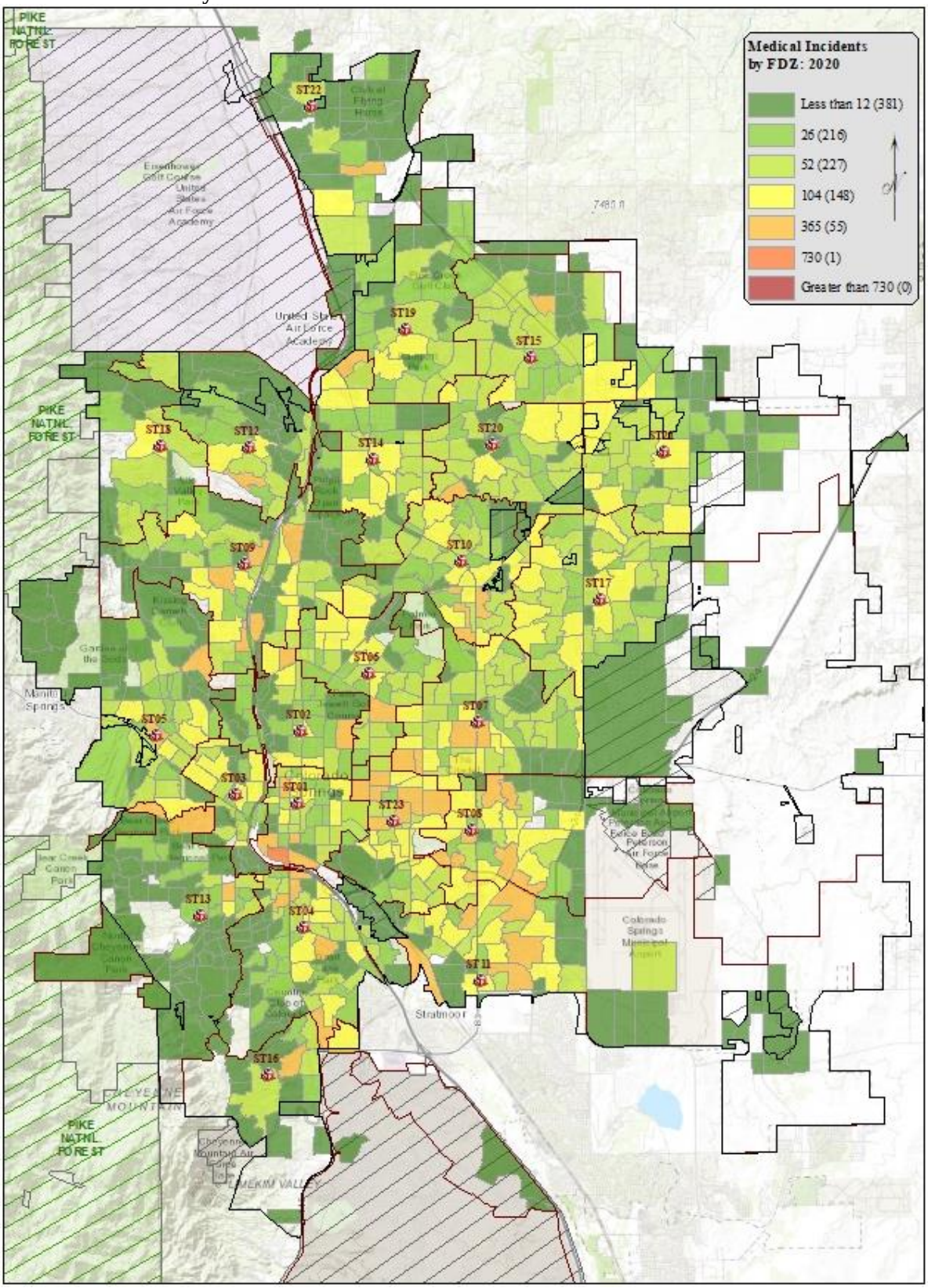
Appendix

Incidents by Station



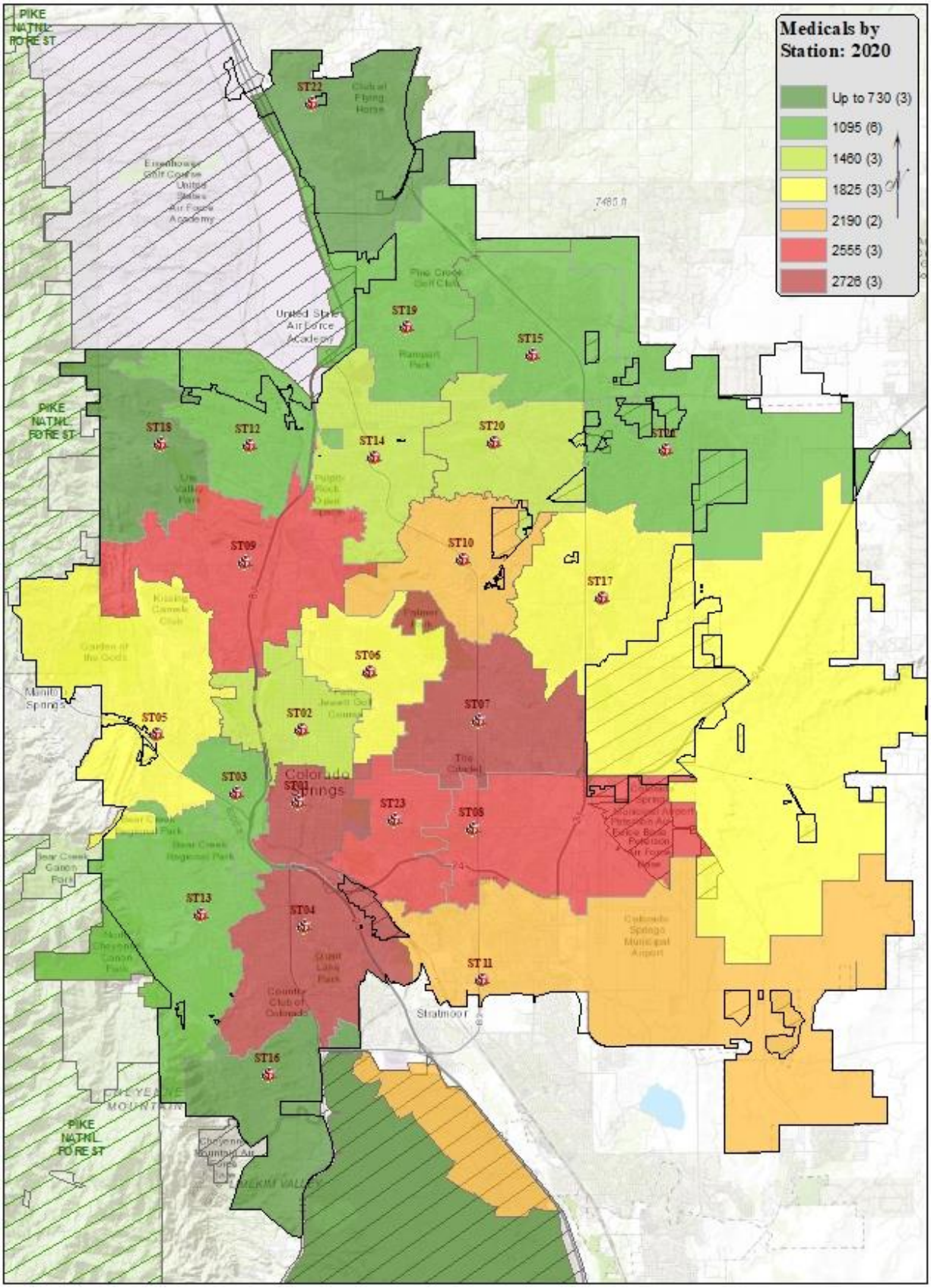
Appendix

Medical Incidents by FDZ



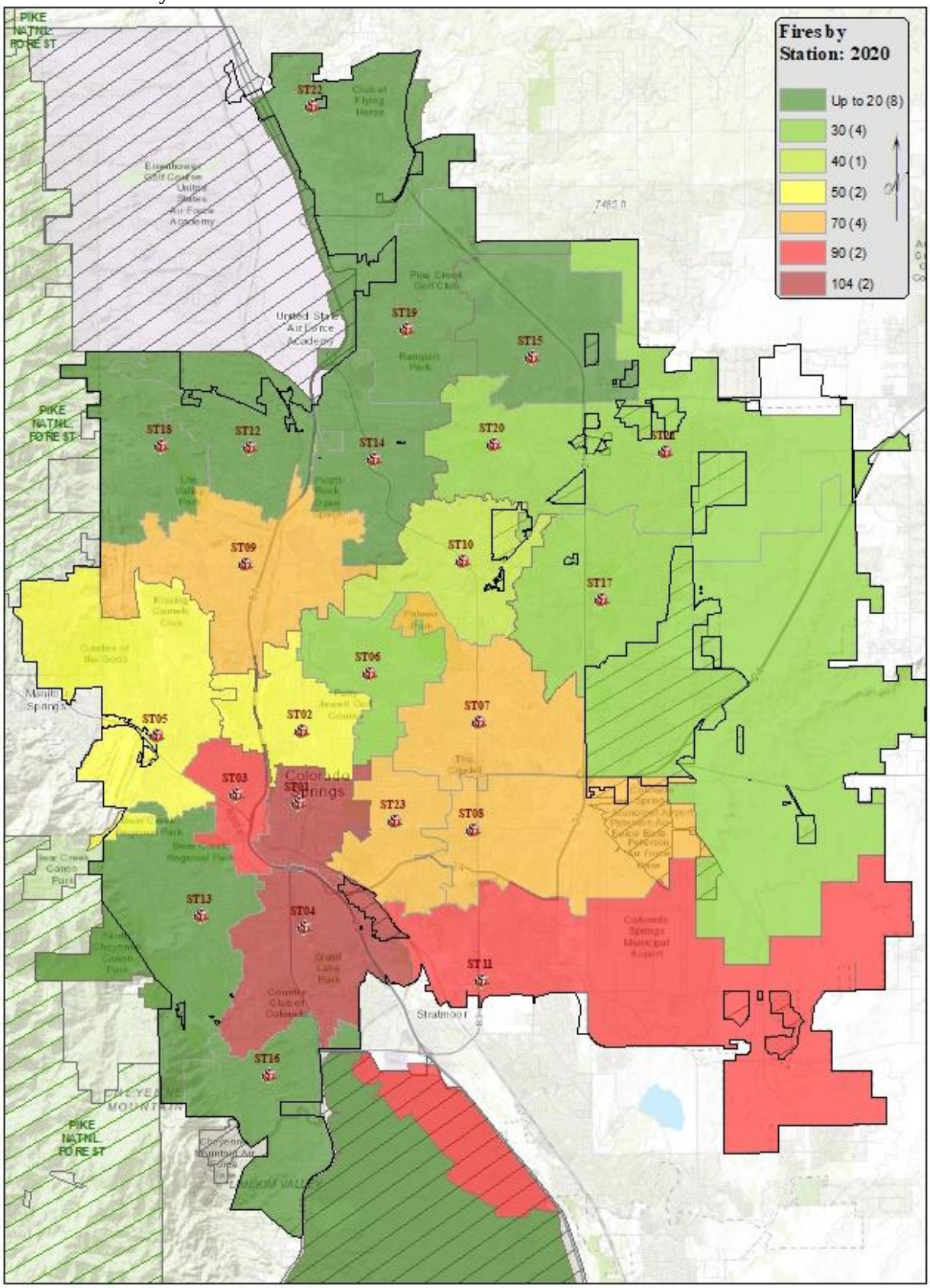
Appendix

Medical Incidents by Station



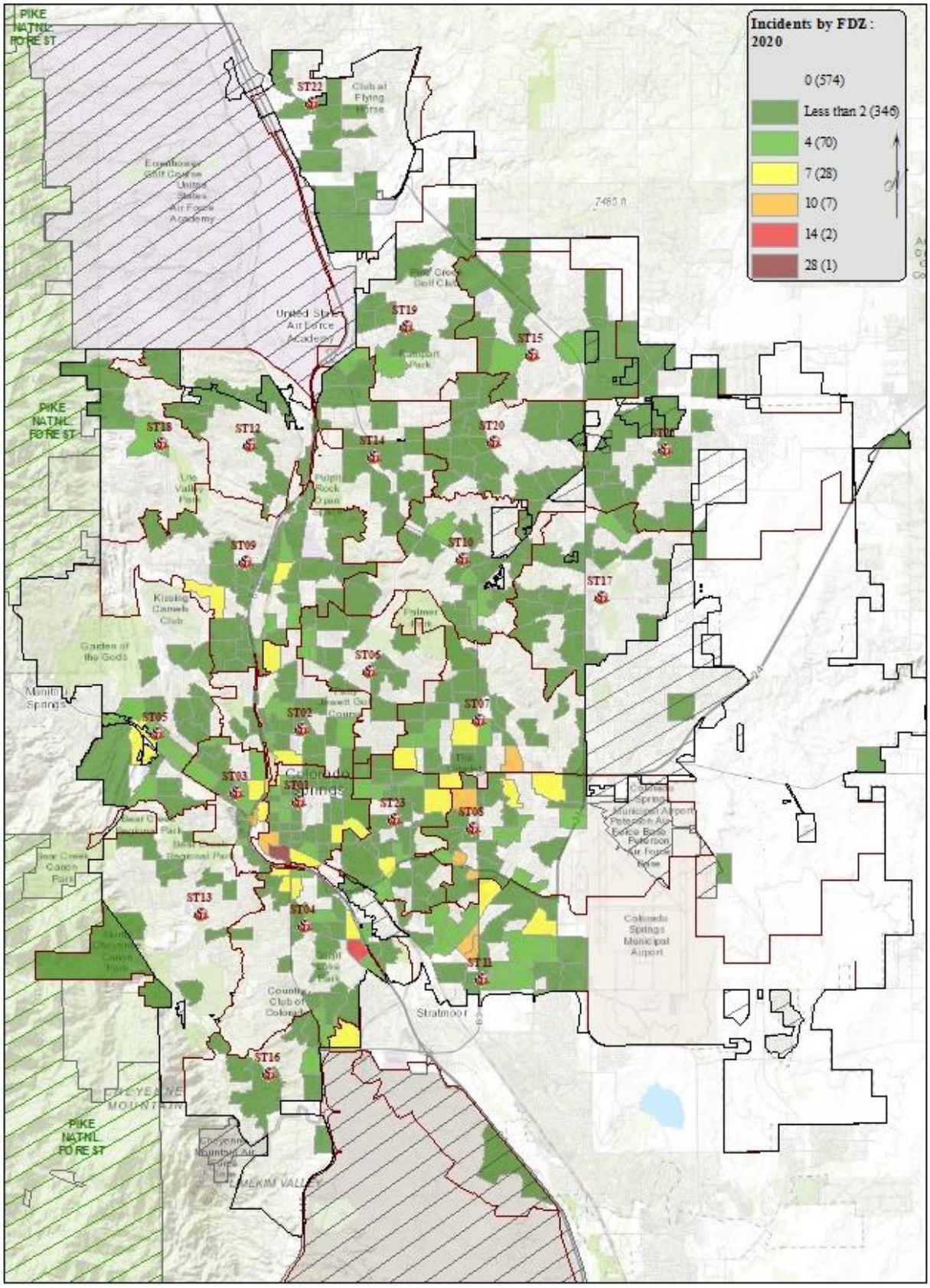
Appendix

Fire Incidents by Station



Appendix

Fire Incidents by FDZ



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.

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