



CITY OF FORT LAUDERDALE

**FIRE-RESCUE FACILITIES BOND ISSUE
BLUE RIBBON COMMITTEE
8th FLOOR CONFERENCE ROOM
CITY HALL – CITY OF FORT
LAUDERDALE FORT LAUDERDALE,
FLORIDA, 33301 THURSDAY, MARCH 28,
2019
6:00 p.m.**

Committee Members		Attendance – January / December 2019	
		Present	Absent
Thornie Jarrett, Chair	P	2	0
Douglas Meade, Vice Chair	P	2	0
Mark Booth	A	0	2
Raymond Dettmann	P	2	0
Patrick McTigue	A	1	1
Frederick Nesbitt	P	2	0
Frank Snedaker	P	2	0
Charles Tatelbaum	A	1	1

Staff

Marlon Lobban, Project Manager and Liaison
Robert Bacic, Deputy Fire Chief
Lisa Tayar, Recording Secretary, Prototype, Inc.

1. Call to Order

Chair Jarrett called the meeting to order at 6:06 p.m.

• Roll Call

Roll was called and it was noted a quorum was present.

2. Approval of Previous Meeting Minutes

• January 24, 2019

Motion made by Mr. Dettmann, seconded by Mr. Nesbitt, to approve. In a voice vote, the **motion** passed unanimously.

3. Staff Liaison Report

Deputy Chief Robert Bacic provided a map reflecting zone breakdowns, explaining that response times are broken down in different ways. As average response times are not a strong indicator, the Fire Department uses a 90% percentile for response times, which

means the goal is to be at either a travel time of four minutes or less or a time from call receipt to arrival of six minutes or less 90% of the time. This benchmark is the standard for Fire Departments.

Deputy Chief Bacic advised that when an individual calls 911, that call is received and processed at a 911 center. The call is then routed to a dispatcher, which dispatches the correct unit or units to the emergency. Alerts are sent to the appropriate Fire Station(s). Dispatchers are classified under the Broward Sheriff's Office (BSO) until the station receives an alert and begins its response. Only two Broward County municipalities do not participate in the County dispatch system.

Deputy Chief Bacic continued that when a caller reaches 911, the dispatch center will seek their information, including an address and the nature of the emergency. In the event of a fire, the call is routed to the fire dispatcher, which operates inside the call center. While some agencies share radio channels, the Fort Lauderdale Fire Department has its own dedicated channel. When a call is routed to this dispatcher, it is then sent out to the appropriate Fire Station so firefighters may respond.

One challenge that arose when the Fire Department switched to a regional system was the use of cell phone towers. When a caller reports an emergency on a cell phone, the call might hit a tower which could prevent its being routed to the Fort Lauderdale dispatch center. This means the individuals receiving emergency calls must reroute some calls to the Fort Lauderdale dispatch center, which starts the process over again. While this delay may seem minimal, it can be significant in the event of an emergency.

Deputy Chief Bacic continued that switching to the regional dispatch system was intended to correct the issue of calls going to the wrong dispatch center. The switch has led to major improvements in dispatch. Call takers have benchmarks to meet for the length of time between call receipt and routing calls to the correct dispatcher. Another benchmark is set for the length of time between receipt by the dispatcher and sending an alert to the Fire Station.

Travel time is measured independently as well in order to assess challenges, such as traffic, trains, and other factors that cannot be controlled by the Fire Department. Speed is also a factor in travel time. The Department has the most control over the "out time," which refers to the time between receipt of the alert and getting responders to the truck.

Deputy Chief Bacic called the members' attention to a comparison of response times from each Fire Station, noting that some stations have longer runs than others. In the event of a critical call, stations have automatic aid agreements with specific areas where their units or other stations' units may be closer to the emergency. The Fire Station to which the call was sent will still respond, but the other station will also send a unit immediately so an emergency responder can be on the scene. The stations are reciprocating this service equally.

A new program is underway that would allow the closest units to respond near the City's borders: for example, if a County unit is located nearer to an emergency than a Fort Lauderdale unit, both units will be dispatched so they can begin treatment on-scene as soon as possible. This can be useful in unincorporated County areas as well.

Deputy Chief Bacic advised that the National Fire Protection Agency (NFPA) makes recommendations on staffing for Fire Departments. One such recommendation is having at least four people on every engine or ladder truck. This is based on the effective response force and the number of people that should be on-scene to perform necessary work. In Fort Lauderdale, Fire Stations typically operate with three people on every engine or ladder truck, as they are limited by budget and other issues.

One recent improvement is the Fleet Chief, who oversees fleet and logistic issues, working with a committee to replace three fire trucks. The next round of trucks is expected to be smaller and shorter than current vehicles, although with the same capability and storage. This is intended to help trucks get through crowded streets to access emergencies.

Mr. Dettmann asked how performances are tracked against the 90th percentile. Deputy Chair Bacic replied that this is based on the analysis of 130,624 incidents. The Department has retained a data analyst who is working with a program that compiles information and can measure response times at different times of day.

In response to the identification of 9 a.m. to 9 p.m. as peak hours, the Department staffs a peak hour rescue unit Downtown using overtime hours. This unit's truck responds to more calls than all others, as it is often the primary unit to absorb calls. This has eased call volume burden significantly.

Mr. Dettmann observed that he would like to see peak hour response times in areas such as 17th Street. Chair Jarrett commented that once Station 8 is complete, this area is likely to have the best coverage of any part of the City, and suggested that it might be better to see peak hour response times from areas that might be negatively affected by Station 8.

Deputy Chief Bacic noted that data comparison is broken down by station instead of by unit, as units operate both in and outside their zones. Homeowners are not concerned with which unit is responding to an emergency, but with all units that respond within their zones. He pointed out that the more calls received by a zone, the less time that unit is available. If the unit is responding to another incident, the next closest unit would be dispatched. The percentage of time in which a unit is available or unavailable is tracked within zones.

Chair Jarrett commented that in five years, calls for the fire boat have increased sixfold. Deputy Chief Bacic noted that after the Department purchased a new fire boat with significantly greater capabilities than the old one, they worked to build relationships with the local marine community and the U.S. Coast Guard. When an oceanside call comes

in from anywhere in the County, the Department is immediately paged, and the marine team responds to confirm whether or not they are needed. There is no other Fire Department in Broward County with a true marine team which has both dive/rescue and firefighting abilities. A backup marine team can be dispatched with Engine 49 if needed.

Deputy Chief Bacic concluded that response times can be reviewed by unit, by individual station, major call types, and by average number of calls per day. The average turnaround time for a medical call is approximately 18-20 minutes for a fire engine. Once a rescue unit has responded to transport a medical emergency to the hospital, the engine is immediately released back into service.

- **Project Status: FS 8, FS 13, FS 54**

Fire Station #8: Mr. Lobban reported that groundbreaking for this station was held on February 2, 2019. Construction is roughly 25% complete. A budget amendment in the amount of \$500,000 has been prepared by Staff for furniture, IT cabling and equipment, change order #1, and additional contingency funds. The Department is requesting upgrades to the security fence and gate. Completion is anticipated in November 2019.

Chair Jarrett requested a breakdown of the costs associated with IT equipment, noting that this expense has increased significantly for the most recent stations constructed. He also requested a similar breakdown for a station or stations constructed approximately five years ago for purposes of comparison. It was noted that these expenses include the cost of the new alerting system, which is mandated by the County.

Fire Station #13: Appraisal of the existing site and building was completed in February, and it was confirmed that renovating the existing station was not a feasible option. The site layout has been revised and the footprint adjusted to bring it closer to that of the existing building. Staff has been directed to develop a preliminary timeline and schedule for a temporary station, which could be designed and constructed in approximately eight months. A request for qualifications (RFQ) is being drafted to secure a design firm for a temporary station once a site has been confirmed.

Fire Station #54: A final walk-through was held on February 13, 2019 and all punch list items have been completed by the contractor. A final change order for additional improvements has been reviewed and approved. Final inspection by a building official is scheduled for April 5, 2019. The official has requested an Americans with Disabilities Act (ADA) –accessible parking space be redone. The project's total cost is \$3,981,943, which included \$103,387 in change orders.

4. Communication to the City Commission

None.

5. Adjournment – Next regular meeting: April 25, 2019

Fire Rescue Facilities Bond Committee

March 28, 2019

Page 5

There being no further business to come before the Committee at this time, the meeting was adjourned at 7:30 p.m.

Any written public comments made 48 hours prior to the meeting regarding items discussed during the proceedings have been attached hereto.

[Minutes prepared by K. McGuire, Prototype, Inc.]



Memorandum

To: Fire-Rescue Bond Committee
From: Marlon Lobban, Senior Project Manager
Date: March 27, 2019
Re: Fire-Rescue Facilities Bond Issue Blue Ribbon Committee Update

The purpose of this memorandum is to provide an update on the remaining three (3) fire station projects.

Fire Station #8

Construction is approximately 25% complete, with the compaction of the building pad, formation of foundation footers, and erection of masonry stem walls finished. Underground electrical and plumbing work is anticipated to continue until the end of March. Staff is preparing a budget amendment in the amount of \$500,000, for the following items:

Construction

- | | |
|-------------------------------------|-----------|
| • Station Furniture and Furnishings | \$150,000 |
| • IT Equipment and cabling | \$230,000 |
| • Change Order #1 | \$7,000 |
| • Contingency Unforeseen Conditions | \$30,000 |

Fire Department

- | | |
|---------------------------|----------------|
| • Consultant Design | \$12,000 |
| • Upgraded Security Fence | \$38,000 |
| • Epoxy Flooring | \$27,000 |
| • Decorative Gate | <u>\$6,000</u> |

Total Amendment Request	\$500,000
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Fire Station #13

An appraisal of the existing site and building was completed, and the results confirmed renovating the existing station would not be a feasible option. ACAI revised the previous site layout at Birch Park by eliminating Ocean Rescue, condensing the site, by reducing area of the proposed site footprint to the size of the existing site footprint. A meeting held on March 4th with the City Manager's Office directed staff to develop a preliminary timeline and schedule for the development of a temporary station. Staff estimated a temporary station could be designed and constructed in approximately eight (8) months. Craven Thompson & Associate was directed to draft a task order to provide design and construction engineering services for the temporary station. A Request for Qualification





(RFQ) is also being drafted to secure a design firm to begin designing Station 13, once a site location has been confirmed.

Fire Station #54

All punch list items have been completed by the contractor and accepted by the Fire Department. Final change order items have been approved and work completed, putting construction in the close-out phase. Final inspection with the Building Official to approve Certification of Occupancy is scheduled for April 5, 2019, as the Building Official has requested a handicap space be redone to improve the slope. The project's total construction cost is \$3,981,943.61, which includes \$103,387.61 in change orders.

cc: Christopher Lagerbloom, City Manager
John Herbst, City Auditor
Laura Reece, Budget Manager
Rhoda Mae Kerr, Fire Chief/Interim Assistant City Manager
Robert Bacic, Deputy Fire Chief
Paul Berg, Public Works Director
Joe Kenney, Assistant Public Works Director
Khant Myat, Project Manager II



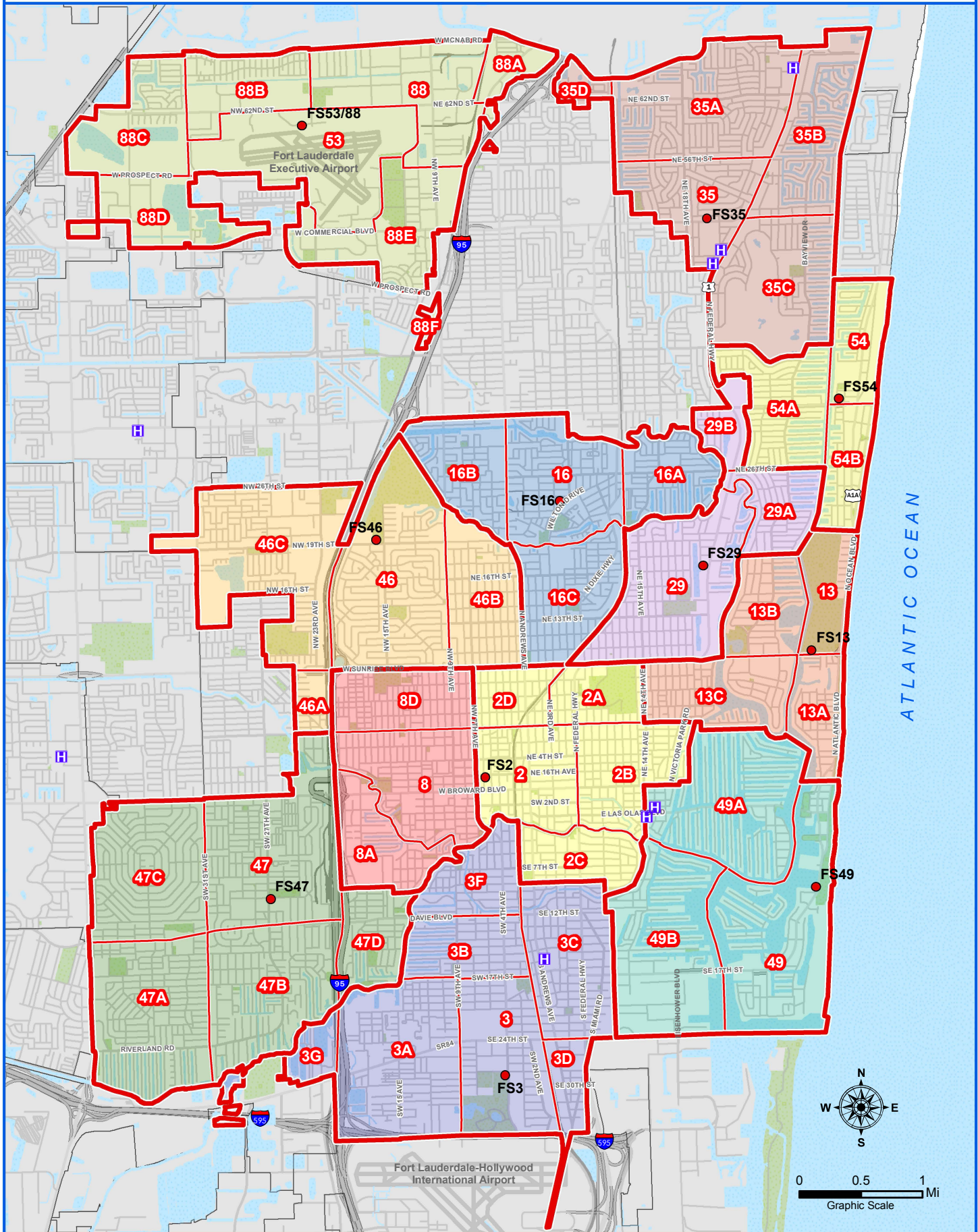
Legend

- Fire Station
- Fire Rescue Zone
- Fire Service Area

Fire Rescue Zones & Service Areas

City of Fort Lauderdale

Highlighted by Service Area



Incidents: 90% Performance Minutes - Year Per District
EMS Incidents - Priority 1 (Code 3) - No Aide Given - 90th Percentile - Travel Time
By District/By Year

There are 130,624 Incident records being analyzed.

Year	Target	2015	2016	2017	2018
District					
2	04:00	04:23	04:39	04:33	04:42
02A	04:00	06:12	06:19	06:15	06:37
02B	04:00	06:00	05:56	06:29	06:36
02C	04:00	05:34	05:45	06:27	06:18
02D	04:00	04:45	04:48	05:00	04:56
3	04:00	04:44	04:42	04:37	04:43
03A	04:00	07:11	06:34	06:02	05:42
03B	04:00	04:50	05:06	05:40	05:15
03C	04:00	05:46	05:52	05:51	06:07
03D	04:00	05:37	05:20	05:37	05:10
03E	04:00	16:06	09:07	06:38	07:56
03F	04:00	05:03	06:00	06:03	05:48
03G	04:00	07:32	06:40	06:38	06:10
03PE	04:00	03:45			13:40
8	04:00	04:39	04:47	04:55	04:45
08A	04:00	06:37	06:16	07:09	06:57
08B	04:00	05:28			
08D	04:00	05:58	06:03	05:41	05:38
13	04:00	04:13	04:41	03:52	04:35
13A	04:00	05:10	05:04	04:59	04:58
13B	04:00	06:21	05:13	05:14	04:58
13C	04:00	06:04	06:10	05:35	05:16

Incidents: 90% Performance Minutes - Year Per District
EMS Incidents - Priority 1 (Code 3) - No Aide Given - 90th Percentile - Travel Time
By District/By Year

There are 130,624 Incident records being analyzed.

Year	Target	2015	2016	2017	2018
District					
16	04:00	05:03	05:15	07:27	05:47
16A	04:00	04:30	04:53	06:09	05:14
16B	04:00	05:26	05:52	07:43	05:46
16C	04:00	05:06	05:16	06:26	05:41
29	04:00	05:06	05:04	05:19	05:09
29A	04:00	06:23	05:59	06:44	05:41
29B	04:00	05:09	05:13	05:24	05:20
35	04:00	04:17	04:07	04:27	04:36
35A	04:00	05:58	06:01	06:13	05:51
35B	04:00	05:34	06:05	05:55	06:30
35C	04:00	04:49	05:29	05:18	05:32
35D	04:00	06:09	07:17	06:38	07:06
46	04:00	05:22	05:25	05:33	04:59
46A	04:00	06:41	06:47	06:42	06:09
46B	04:00	05:14	05:12	05:23	05:19
46C	04:00	05:38	05:55	05:27	05:15
46D	04:00	05:38	02:16	02:35	02:55

Incidents: 90% Performance Minutes - Year Per District
EMS Incidents - Priority 1 (Code 3) - No Aide Given - 90th Percentile - Travel Time
By District/By Year

There are 130,624 Incident records being analyzed.

Year	Target	2015	2016	2017	2018
District					
47	04:00	05:22	05:30	05:05	04:37
47A	04:00	06:14	06:26	06:12	06:17
47B	04:00	05:46	05:26	05:34	05:10
47C	04:00	06:15	06:19	06:28	05:39
47D	04:00	06:24	06:50	06:26	05:51
49	04:00	05:11	05:28	06:01	05:17
49A	04:00	06:28	06:41	07:10	07:21
49B	04:00	06:37	06:55	06:48	07:08
54	04:00	05:01	04:52	05:05	05:06
54A	04:00	05:27	05:42	05:47	05:28
54B	04:00	04:29	04:51	04:41	04:20
53	04:00	09:14	07:01	07:43	07:33
88	04:00	06:04	05:47	05:52	07:05
88A	04:00	06:51	06:30	06:12	06:47
88B	04:00	07:04	08:26	05:40	05:34
88C	04:00	05:35	06:35	06:16	07:39
88D	04:00	07:00	07:10	07:17	07:40
88E	04:00	07:10	06:50	06:55	07:24
88F	04:00	14:39	06:21	07:24	07:51
OJ	04:00	19:08	09:00	11:18	06:08

Incidents: 90% Performance Minutes - Year per Station
EMS Incidents - Priority 1 (Code 3) - No Aide Given - 90th Percentile - Travel Time
By Station/By Year
There are 130,624 Incident records being analyzed.

Year

Target	2015	2016	2017	2018
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Station
2
3
8
13
16
29
35
46
47
49
53
54
88
OJ

04:00	05:13	05:19	05:37	05:27
04:00	06:00	05:58	06:04	06:05
04:00	05:17	05:37	05:35	05:32
04:00	05:43	05:33	05:16	05:06
04:00	05:07	05:21	07:05	05:41
04:00	05:19	05:12	05:33	05:19
04:00	05:29	05:43	05:48	05:52
04:00	05:35	05:38	05:47	05:34
04:00	06:02	06:08	06:16	05:47
04:00	06:12	06:19	06:45	06:42
04:00	08:37	07:03	07:43	07:33
04:00	05:05	04:58	05:19	05:01
04:00	06:52	06:56	06:49	07:23
04:00	19:08	09:00	08:18	07:22

Incidents: 90% Performance Minutes - Year Per Station
EMS Incidents - Priority 1 (Code 3) - No Aide Given - 90th Percentile - Call to Arrival - ERFF
By Station/By Year
There are 130,624 Incident records being analyzed.

Year	Target	2015	2016	2017	2018
Station					
2	06:00	07:22	07:26	07:37	06:40
3	06:00	08:19	08:15	08:13	07:33
8	06:00	07:24	07:39	07:36	06:40
13	06:00	07:49	07:57	07:19	06:42
16	06:00	07:21	07:33	08:55	07:10
29	06:00	07:29	07:28	07:37	06:48
35	06:00	07:34	07:45	07:43	07:11
46	06:00	07:56	07:42	07:54	06:52
47	06:00	08:28	08:32	08:28	07:23
49	06:00	08:36	08:39	09:04	08:18
53	06:00	12:00	09:34	09:43	10:16
54	06:00	Call	07:01	07:01	06:23
88	06:00	09:20	09:05	08:57	08:39
OJ	06:00	31:06	10:30	10:11	29:36

Incident Summary By Service Area

Total Incidents By Service Area

Count of Incident #	12/31/2018					12/31/2018	Projected	Total Incidents By Service Area			
	2014	2015	2016	2017	2018	% Increase	Variance over Prior Year	Incidents Per Day	% of Total Incidents	Incidents Per Day	% of Total Incidents
Row Labels	2014	2015	2016	2017	2018	% Increase	Year	2017	2017	2018	2018
02	6177	7385	6929	6897	6844	-0.77%	(53)	18.90	13.09%	18.75	13.64%
03	4653	5336	5146	5080	4835	-4.82%	(245)	13.92	9.64%	13.25	9.64%
08	5999	7222	6428	6101	5512	-9.65%	(589)	16.72	11.58%	15.10	10.99%
13	2317	2585	2409	2380	2449	2.90%	69	6.52	4.52%	6.71	4.88%
16	3875	4176	4129	3979	3932	-1.18%	(47)	10.90	7.55%	10.77	7.84%
29	1970	2402	2238	2063	2094	1.50%	31	5.65	3.92%	5.74	4.17%
35	3809	4076	4245	4207	4091	-2.76%	(116)	11.53	7.99%	11.21	8.16%
46	5909	6337	6376	6869	6305	-8.21%	(564)	18.82	13.04%	17.27	12.57%
47	4552	4981	5317	5437	5128	-5.68%	(309)	14.90	10.32%	14.05	10.22%
49	3645	3968	3882	3706	3105	-16.22%	(601)	10.15	7.04%	8.51	6.19%
53	390	265	206	203	187	-7.88%	(16)	0.56	0.39%	0.51	0.37%
54	2388	2366	2326	2493	2590	3.89%	97	6.83	4.73%	7.10	5.16%
88	2541	2930	2879	2932	2716	-7.37%	(216)	8.03	5.57%	7.44	5.41%
OJ	286	355	303	327	373	14.07%	46	0.90	0.62%	1.02	0.74%
Grand Total	48511	54384	52813	52674	50161	-4.77%	(2513)	144.31	100.00%	137.43	100.00%
Station 2/8	12176	14607	13357	12998	12356	-4.94%	(642)	35.61	24.68%	33.85	24.63%

OJ - Denotes Out of Jurisdiction Incidents (Mutual Aid)

Division	Operations - Front Line		Front Line Apparatus				12/31/2018	2017 Responses Per Day	2018 Responses Per Day	% Increase in 2018 vs 2017 (Projected)
	Count of Incident #	Column Labels	2013	2014	2015	2016				
Row Labels	2013	2014	2015	2016	2017	2018	2017 Responses Per Day	2018 Responses Per Day	2018 vs 2017 (Projected)	
ARFF	97	126	111	118	143	117	0.39	0.32	-18.18%	
T53	97	126	111	118	143	117	0.39	0.32	-18.18%	
Chief Officer	5349	5626	6631	7539	7206	7467	19.74	20.46	3.62%	
BC29			1	278	251	296	0.69	0.81	17.93%	
BC53				3	24	3	0.07	0.01	-87.50%	
BC13	1672	1492	1559	1766	1695	1855	4.64	5.08	9.44%	
BC2	1975	2102	2559	2690	2408	2489	6.60	6.82	3.36%	
BC35	960	507	76	92	12	18	0.03	0.05	50.00%	
DC2	672	628	768	805	731	692	2.00	1.90	-5.34%	
BC16	70	897	1668	1905	2085	2114	5.71	5.79	1.39%	
Engine	38503	41327	46488	45237	41939	37033	114.90	101.46	-11.70%	
E13	2440	2587	2904	2801	2600	2686	7.12	7.36	3.31%	
E16	2802	3183	3255	3326	3405	3005	9.33	8.23	-11.75%	
E2	5066	5534	6639	6158	5012	4368	13.73	11.97	-12.85%	
E29	2630	2936	3576	3322	3118	2959	8.54	8.11	-5.10%	
E3	3279	3405	3959	3975	3743	2684	10.25	7.35	-28.29%	
E35	2665	2936	3199	3296	3086	2948	8.45	8.08	-4.47%	
E46	4901	4811	5222	4963	4760	4545	13.04	12.45	-4.52%	
E47	3089	3264	3630	3966	3937	3041	10.79	8.33	-22.76%	
E49	2481	2471	2898	2745	2506	2016	6.87	5.52	-19.55%	
E54	1952	2293	2306	2327	2383	2391	6.53	6.55	0.34%	
E8	5373	5865	6712	6213	5178	4358	14.19	11.94	-15.84%	
E88	1825	2042	2188	2145	2211	2032	6.06	5.57	-8.10%	
Fire Boat	52	84	149	263	241	308	0.66	0.84	27.80%	
FB249			3	38	74	76	0.20	0.21	2.70%	
FB49	52	84	146	225	167	232	0.46	0.64	38.92%	

Division	Operations - Front Line						Front Line Apparatus		
	Count of Incident #	Column Labels					12/31/2018	2017 Responses Per Day	2018 Responses Per Day
Row Labels	2013	2014	2015	2016	2017	2018			
HazMat	101	125	173	177	135	170	0.37	0.47	25.93%
HM88	101	125	173	177	135	170	0.37	0.47	25.93%
Ladder	6053	7111	8210	7957	7284	6553	19.96	17.95	-10.04%
L13	1811	2056	2234	2238	2051	13	5.62	0.04	-99.37%
L2	2717	3097	3870	3667	3208	2977	8.79	8.16	-7.20%
L35	1525	1958	2106	2052	2025	2065	5.55	5.66	1.98%
L49						1498	0.00	4.10	0.00%
Rescue	42814	46392	54319	52354	49706	47578	136.18	130.35	-4.28%
R13	2378	2505	2883	2488	2372	2368	6.50	6.49	-0.17%
R16	2795	3179	3591	3255	3050	3041	8.36	8.33	-0.30%
R2	4684	4931	5892	5156	3779	3599	10.35	9.86	-4.76%
R202	28	63	943	3619	3193	3593	8.75	9.84	12.53%
R246	3781	4291	5865	4991	3968	3541	10.87	9.70	-10.76%
R247	2727	3089	3988	4068	3139	2878	8.60	7.88	-8.31%
R29	2773	3170	3762	3196	2854	2892	7.82	7.92	1.33%
R3	3030	3260	3947	3726	3596	3390	9.85	9.29	-5.73%
R302		11	27	122	3281	3565	8.99	9.77	8.66%
R35	2537	2918	3150	3146	3117	2958	8.54	8.10	-5.10%
R46	4558	4214	4151	3688	3712	3566	10.17	9.77	-3.93%
R47	2592	2641	2661	2912	3012	2799	8.25	7.67	-7.07%
R49	2466	2523	2829	2597	2404	1871	6.59	5.13	-22.17%
R53	1694	1903	2185	2114	2116	2072	5.80	5.68	-2.08%
R54	2122	2339	2551	2239	2224	2288	6.09	6.27	2.88%
R8	4649	5355	5894	5037	3889	3157	10.65	8.65	-18.82%
Squad	850	799	918	1065	927	828	2.54	2.27	-10.68%
S47	850	799	918	1065	927	828	2.54	2.27	-10.68%
Grand Total	93819	101590	116999	114710	107581	100054	295	274	-7.00%

Incident Summary By Service Area

Summary By Incident Type

Count of Incident #	12/31/2018 Projected							Incidents Per Day 2017	% of Total Incidents 2017	Projected	
	2014	2015	2016	2017	2018	Variance over Prior Year	% Increase			Incidents Per Day 2018	% of Total Incidents 2018
Row Labels	2014	2015	2016	2017	2018	Variance over Prior Year	% Increase	2017	2017	2018	2018
1 - Fires	532	600	598	599	563	(36)	-6.01%	1.64	1.14%	1.54	1.12%
2 - Rupture/Explosions	20	17	19	21	32	11	52.38%	0.06	0.04%	0.09	0.06%
3 - EMS - Medical	32259	34727	33486	34957	35174	217	0.62%	95.77	66.36%	96.37	70.12%
3 - EMS - Other	1147	1645	1822	2074	2168	94	4.53%	5.68	3.94%	5.94	4.32%
4 - Hazardous Conditions (No Fires)	853	848	909	1374	853	(521)	-37.92%	3.76	2.61%	2.34	1.70%
5 - Service Calls	2455	5091	5089	4937	4118	(819)	-16.59%	13.53	9.37%	11.28	8.21%
6 - Good Intent Call	6950	7264	6663	4589	3347	(1242)	-27.06%	12.57	8.71%	9.17	6.67%
7 - False Alarm/False Call	3350	3418	3530	3782	3741	(41)	-1.08%	10.36	7.18%	10.25	7.46%
8 - Severe Weather/Natural Disaster	8	4	3	5	8	3	60.00%	0.01	0.01%	0.02	0.02%
9 - Special Incident Type	937	770	694	336	157	(179)	-53.27%	0.92	0.64%	0.43	0.31%
Grand Total	48511	54384	52813	52674	50161	(2513)	-4.77%	144.31	100%	137.43	100%

Incident Summary By Service Area

Incident Type By Service Area

Count of Incident # Row Labels						12/31/18	12/31/18	12/31/18		
	2014	2015	2016	2017	2018	2018	2018	2018	Incidents Per Day	Incidents Per Day
						Projected	Percentage		2017	2018
						Variance	Increase			
02	6177	7385	6929	6897	6844	(53)	-0.77%		18.90	18.75
1 - Fires	65	46	57	57	49	(8)	-14.04%		0.16	0.13
2 - Rupture/Explosions	1	1	1	2	3	1	50.00%		0.01	0.01
3 - EMS - Medical	3838	4590	4374	4619	4857	238	5.15%		12.65	13.31
3 - EMS - Other	132	221	246	284	323	39	13.73%		0.78	0.88
4 - Hazardous Conditions (No Fires)	73	69	84	101	80	(21)	-20.79%		0.28	0.22
5 - Service Calls	256	708	562	544	410	(134)	-24.63%		1.49	1.12
6 - Good Intent Call	1080	1064	958	633	464	(169)	-26.70%		1.73	1.27
7 - False Alarm/False Call	556	532	517	580	623	43	7.41%		1.59	1.71
8 - Severe Weather/Natural Disaster	1			1	2	1	100.00%		0.00	0.01
9 - Special Incident Type	175	154	130	76	33	(43)	-56.58%		0.21	0.09
03	4653	5336	5146	5080	4835	(245)	-4.82%		13.92	13.25
1 - Fires	52	51	69	54	66	12	22.22%		0.15	0.18
2 - Rupture/Explosions	4	2	3	5	2	(3)	-60.00%		0.01	0.01
3 - EMS - Medical	3065	3047	2993	3151	3322	171	5.43%		8.63	9.10
3 - EMS - Other	120	196	233	241	202	(39)	-16.18%		0.66	0.55
4 - Hazardous Conditions (No Fires)	87	82	99	158	95	(63)	-39.87%		0.43	0.26
5 - Service Calls	201	573	632	620	399	(221)	-35.65%		1.70	1.09
6 - Good Intent Call	761	959	758	458	363	(95)	-20.74%		1.25	0.99
7 - False Alarm/False Call	284	382	321	370	378	8	2.16%		1.01	1.04
8 - Severe Weather/Natural Disaster	3	2	2	1	2	1	100.00%		0.00	0.01
9 - Special Incident Type	76	42	36	22	6	(16)	-72.73%		0.06	0.02

Incident Summary By Service Area

Incident Type By Service Area

Count of Incident # Row Labels	12/31/18							12/31/18	
	2014	2015	2016	2017	2018	2018 Projected Variance	Percentage Increase	Incidents Per Day 2017	Incidents Per Day 2018
	08	5999	7222	6428	6101	5512	(589)	-9.65%	16.72
1 - Fires	54	104	51	81	76	(5)	-6.17%	0.22	0.21
2 - Rupture/Explosions	1		2		5	5	#DIV/0!	0.00	0.01
3 - EMS - Medical	4332	5001	4545	4556	4239	(317)	-6.96%	12.48	11.61
3 - EMS - Other	118	165	159	148	160	12	8.11%	0.41	0.44
4 - Hazardous Conditions (No Fires)	45	65	66	87	56	(31)	-35.63%	0.24	0.15
5 - Service Calls	244	675	504	551	430	(121)	-21.96%	1.51	1.18
6 - Good Intent Call	936	953	848	458	365	(93)	-20.31%	1.25	1.00
7 - False Alarm/False Call	197	216	218	202	170	(32)	-15.84%	0.55	0.47
8 - Severe Weather/Natural Disaster					1	1	#DIV/0!	0.00	0.00
9 - Special Incident Type	72	43	35	18	10	(8)	-44.44%	0.05	0.03
13	2317	2585	2409	2380	2449	69	2.90%	6.52	6.71
1 - Fires	19	26	30	27	20	(7)	-25.93%	0.07	0.05
2 - Rupture/Explosions	1	3	4	1	1	0	0.00%	0.00	0.00
3 - EMS - Medical	1380	1457	1380	1372	1455	83	6.05%	3.76	3.99
3 - EMS - Other	68	89	87	109	152	43	39.45%	0.30	0.42
4 - Hazardous Conditions (No Fires)	40	50	33	73	54	(19)	-26.03%	0.20	0.15
5 - Service Calls	149	243	297	245	240	(5)	-2.04%	0.67	0.66
6 - Good Intent Call	313	333	252	182	160	(22)	-12.09%	0.50	0.44
7 - False Alarm/False Call	284	329	281	358	357	(1)	-0.28%	0.98	0.98
8 - Severe Weather/Natural Disaster						0	0.00%	0.00	0.00
9 - Special Incident Type	63	55	45	13	10	(3)	-23.08%	0.04	0.03

Incident Summary By Service Area

Incident Type By Service Area

Count of Incident # Row Labels	12/31/18					12/31/18	12/31/18	Incidents Per Day	Incidents Per Day
	2014	2015	2016	2017	2018	2018	Percentage Increase	2017	2018
						2018 Projected Variance			
16	3875	4176	4129	3979	3932	(47)	-1.18%	10.90	10.77
1 - Fires	48	54	57	37	36	(1)	-2.70%	0.10	0.10
2 - Rupture/Explosions	1	1	3	1	2	1	100.00%	0.00	0.01
3 - EMS - Medical	2712	2976	2822	2849	3011	162	5.69%	7.81	8.25
3 - EMS - Other	50	78	102	80	76	(4)	-5.00%	0.22	0.21
4 - Hazardous Conditions (No Fires)	65	85	71	110	55	(55)	-50.00%	0.30	0.15
5 - Service Calls	289	352	371	354	305	(49)	-13.84%	0.97	0.84
6 - Good Intent Call	459	412	438	282	201	(81)	-28.72%	0.77	0.55
7 - False Alarm/False Call	233	199	250	259	240	(19)	-7.34%	0.71	0.66
8 - Severe Weather/Natural Disaster	1	1				0	0.00%	0.00	0.00
9 - Special Incident Type	17	18	15	7	6	(1)	-14.29%	0.02	0.02
29	1970	2402	2238	2063	2094	31	1.50%	5.65	5.74
1 - Fires	14	27	26	30	33	3	10.00%	0.08	0.09
2 - Rupture/Explosions		1	1	2	2	0	0.00%	0.01	0.01
3 - EMS - Medical	1311	1506	1344	1295	1419	124	9.58%	3.55	3.89
3 - EMS - Other	26	79	64	60	45	(15)	-25.00%	0.16	0.12
4 - Hazardous Conditions (No Fires)	28	33	49	70	39	(31)	-44.29%	0.19	0.11
5 - Service Calls	94	200	247	218	228	10	4.59%	0.60	0.62
6 - Good Intent Call	332	374	312	209	143	(66)	-31.58%	0.57	0.39
7 - False Alarm/False Call	123	154	168	161	184	23	14.29%	0.44	0.50
9 - Special Incident Type	42	28	27	18	1	(17)	-94.44%	0.05	0.00

Incident Summary By Service Area

Incident Type By Service Area

Count of Incident #	12/31/18							2018 Projected Variance	Percentage Increase	Incidents Per Day	
	2014	2015	2016	2017	2018	2017	2018				
	Row Labels										
35	3809	4076	4245	4207	4091	(116)	-2.76%	11.53	11.21		
1 - Fires	36	42	46	46	29	(17)	-36.96%	0.13	0.08		
2 - Rupture/Explosions	3	3		2	1	(1)	-50.00%	0.01	0.00		
3 - EMS - Medical	2419	2588	2684	2743	2850	107	3.90%	7.52	7.81		
3 - EMS - Other	90	132	108	161	142	(19)	-11.80%	0.44	0.39		
4 - Hazardous Conditions (No Fires)	67	76	77	112	60	(52)	-46.43%	0.31	0.16		
5 - Service Calls	271	405	500	428	398	(30)	-7.01%	1.17	1.09		
6 - Good Intent Call	538	445	445	320	248	(72)	-22.50%	0.88	0.68		
7 - False Alarm/False Call	295	310	320	366	342	(24)	-6.56%	1.00	0.94		
8 - Severe Weather/Natural Disaster	1					0	0.00%	0.00	0.00		
9 - Special Incident Type	89	75	65	29	21	(8)	-27.59%	0.08	0.06		
46	5909	6337	6376	6869	6305	(564)	-8.21%	18.82	17.27		
1 - Fires	88	88	82	98	77	(21)	-21.43%	0.27	0.21		
2 - Rupture/Explosions	1			2	4	2	100.00%	0.01	0.01		
3 - EMS - Medical	4446	4568	4614	5084	4873	(211)	-4.15%	13.93	13.35		
3 - EMS - Other	123	143	189	220	269	49	22.27%	0.60	0.74		
4 - Hazardous Conditions (No Fires)	52	76	65	141	60	(81)	-57.45%	0.39	0.16		
5 - Service Calls	199	525	430	499	440	(59)	-11.82%	1.37	1.21		
6 - Good Intent Call	737	745	764	552	365	(187)	-33.88%	1.51	1.00		
7 - False Alarm/False Call	217	161	208	261	210	(51)	-19.54%	0.72	0.58		
8 - Severe Weather/Natural Disaster						0	0.00%	0.00	0.00		
9 - Special Incident Type	46	31	24	12	7	(5)	-41.67%	0.03	0.02		

Incident Summary By Service Area

Incident Type By Service Area

Count of Incident # Row Labels	12/31/18							12/31/18	12/31/18
	2014	2015	2016	2017	2018	2018 Projected Variance	Percentage Increase	Incidents Per Day	Incidents Per Day
								2017	2018
47	4552	4981	5317	5437	5128	(309)	-5.68%	14.90	14.05
1 - Fires	71	68	78	84	79	(5)	-5.95%	0.23	0.22
2 - Rupture/Explosions		2	3	3	3	0	0.00%	0.01	0.01
3 - EMS - Medical	3123	3242	3399	3612	3685	73	2.02%	9.90	10.10
3 - EMS - Other	127	172	215	258	289	31	12.02%	0.71	0.79
4 - Hazardous Conditions (No Fires)	116	90	87	181	94	(87)	-48.07%	0.50	0.26
5 - Service Calls	200	425	522	491	383	(108)	-22.00%	1.35	1.05
6 - Good Intent Call	678	726	771	557	349	(208)	-37.34%	1.53	0.96
7 - False Alarm/False Call	216	232	228	243	244	1	0.41%	0.67	0.67
8 - Severe Weather/Natural Disaster	1			1	2	1	100.00%	0.00	0.01
9 - Special Incident Type	20	24	14	7		(7)	0.00%	0.02	0.00
49	3645	3968	3882	3706	3105	(601)	-16.22%	10.15	8.51
1 - Fires	30	31	36	24	33	9	37.50%	0.07	0.09
2 - Rupture/Explosions	4	4		1	4	3	300.00%	0.00	0.01
3 - EMS - Medical	2355	2355	2196	2254	1907	(347)	-15.39%	6.18	5.22
3 - EMS - Other	94	140	153	177	179	2	1.13%	0.48	0.49
4 - Hazardous Conditions (No Fires)	73	56	89	100	59	(41)	-41.00%	0.27	0.16
5 - Service Calls	215	381	392	329	245	(84)	-25.53%	0.90	0.67
6 - Good Intent Call	399	482	448	319	201	(118)	-36.99%	0.87	0.55
7 - False Alarm/False Call	353	400	439	422	427	5	1.18%	1.16	1.17
8 - Severe Weather/Natural Disaster	1		1	2	1	(1)	-50.00%	0.01	0.00
9 - Special Incident Type	121	119	128	78	49	(29)	-37.18%	0.21	0.13

Incident Summary By Service Area

Incident Type By Service Area

Count of Incident # Row Labels	12/31/18					12/31/18	12/31/18	Incidents Per Day	
	2014	2015	2016	2017	2018	2018	Percentage Increase	2017	2018
						2018 Projected Variance			
53	390	265	206	203	187	(16)	-7.88%	0.56	0.51
1 - Fires	1	1	2	1	2	1	100.00%	0.00	0.01
3 - EMS - Medical	205	110	38	47	52	5	10.64%	0.13	0.14
3 - EMS - Other	2	2	5	3	8	5	166.67%	0.01	0.02
4 - Hazardous Conditions (No Fires)	117	104	112	128	102	(26)	-20.31%	0.35	0.28
5 - Service Calls	6	8	4	5	7	2	40.00%	0.01	0.02
6 - Good Intent Call	18	17	22	11	11	0	0.00%	0.03	0.03
7 - False Alarm/False Call	20	19	14	6	5	(1)	-16.67%	0.02	0.01
9 - Special Incident Type	21	4	9	2		(2)	0.00%	0.01	0.00
54	2388	2366	2326	2493	2590	97	3.89%	6.83	7.10
1 - Fires	21	26	21	13	14	1	7.69%	0.04	0.04
2 - Rupture/Explosions	3		1	1	3	2	200.00%	0.00	0.01
3 - EMS - Medical	1404	1401	1296	1454	1602	148	10.18%	3.98	4.39
3 - EMS - Other	84	81	90	136	130	(6)	-4.41%	0.37	0.36
4 - Hazardous Conditions (No Fires)	30	23	26	46	41	(5)	-10.87%	0.13	0.11
5 - Service Calls	157	300	364	366	355	(11)	-3.01%	1.00	0.97
6 - Good Intent Call	341	279	201	172	132	(40)	-23.26%	0.47	0.36
7 - False Alarm/False Call	288	196	278	289	311	22	7.61%	0.79	0.85
8 - Severe Weather/Natural Disaster		1				0	0.00%	0.00	0.00
9 - Special Incident Type	60	59	49	16	2	(14)	-87.50%	0.04	0.01

Incident Summary By Service Area

Incident Type By Service Area

Count of Incident # Row Labels	12/31/18							12/31/18	
	2014	2015	2016	2017	2018	2018 Projected Variance	Percentage Increase	Incidents Per Day 2017	Incidents Per Day 2018
	88	2541	2930	2879	2932	2716	(216)	-7.37%	8.03
1 - Fires	27	25	33	40	30	(10)	-25.00%	0.11	0.08
2 - Rupture/Explosions	1		1	1	2	1	100.00%	0.00	0.01
3 - EMS - Medical	1493	1698	1671	1795	1755	(40)	-2.23%	4.92	4.81
3 - EMS - Other	102	128	133	163	156	(7)	-4.29%	0.45	0.43
4 - Hazardous Conditions (No Fires)	42	28	40	53	42	(11)	-20.75%	0.15	0.12
5 - Service Calls	170	284	259	277	271	(6)	-2.17%	0.76	0.74
6 - Good Intent Call	295	367	338	302	199	(103)	-34.11%	0.83	0.55
7 - False Alarm/False Call	283	284	288	264	249	(15)	-5.68%	0.72	0.68
9 - Special Incident Type	128	116	116	37	12	(25)	-67.57%	0.10	0.03
OJ	286	355	303	327	373	46	14.07%	0.90	1.02
1 - Fires	6	11	10	7	19	12	171.43%	0.02	0.05
3 - EMS - Medical	176	188	130	126	147	21	16.67%	0.35	0.40
3 - EMS - Other	11	19	38	34	37	3	8.82%	0.09	0.10
4 - Hazardous Conditions (No Fires)	18	11	11	14	16	2	14.29%	0.04	0.04
5 - Service Calls	4	12	5	10	7	(3)	-30.00%	0.03	0.02
6 - Good Intent Call	63	108	108	134	146	12	8.96%	0.37	0.40
7 - False Alarm/False Call	1	4		1	1	0	0.00%	0.00	0.00
9 - Special Incident Type	7	2	1	1		(1)	0.00%	0.00	0.00
Grand Total	48511	54384	52813	52674	50161	(2513)	-4.77%	144.31	137.43

OJ - Denotes Out of Jurisdiction Incidents (Mutual Aid)