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## Meeting Summary

The following is a summary of the topics discussed in the FireSTAT meeting on 2/18/2021. Analysis is provided by the Office of Performance and Data Analytics. Information in the memo has been edited to protect Personal Identifiable Information (PII) and ensure accuracy. Note that the data and visuals included in this memo reflect a specific period in time, and as a result, information below can be subject to change.

Meeting Summary Contains:

CAD Implementation Update .....2  
    CAD Timeline .....3  
Fire Prevention .....3  
    Definition of Serial Arson .....3  
    City Structure Valuation .....3  
Calls for Service .....4  
    January Overview .....4  
Personnel .....6  
    Summary key points .....6  
    Estimated projected retirement schedule: .....6  
Fleet .....6  
    Summary key points .....6  
    Fleet Age and Usage .....7

**CAD Implementation Update**

The project is progressing with AMR meeting timelines and central Square providing support as needed. The project now depends on the Dispatcher-to-Dispatcher testing, which tests the systems' interaction at the operations level. This testing will identify any technical or operational issues that need to be addressed. If significant issues are uncovered, all parties will work together to correct and retest. Pending Item: go-live prep list from Central Square.

It was noted that the upcoming scheduled buffer week (2/22) means that no changes will be made to the new system.

## CAD Timeline

VERY DATE	ACTION ITEM	OWNER(S)
1/22/21	Training environment patch/upgrade (3 days to vet) 1/25-1/27 - testing for issue resolutions as technical support	AMR (IT)
2/1/21	Dispatch staff signoff on testing environment / post upgrade (3 days to vet) 1/28 - 2/1 - testing for issue resolutions as a dispatcher	AMR (D)
2/5/21	Workstation/Server Prep for Production Upgrade (5 days) 2/5 - 2/9 to touch each machine and server at VRECC	AMR (IT)
2/10/21	Dispatcher training for SFD <i>(must occur before go-live so staff is adequately trained on new system)</i> 2/10 - 3/1 - multiple sessions over a 3wk period In Progress	SFD
2/10/21	Production environment upgrade to AMR interface <i>(must take place before AMR/SFD can perform DtoD testing/training)</i>	CST/AMR (IT)
2/16/21	Dispatcher to Dispatcher testing (4 days) <i>(must take place before AMR/SFD will sign off on testing)</i> Schedule for 2/17, 2/19, 2/23, 2/25	AMR (D) /SFD
2/22/21	Buffer Week <i>No events scheduled, availability for more testing, training, and other misc. items prior to go-live.</i>	
3/5/21	System Freeze for Cut-over Preparation no access to interfaces for CST to prepare for cut-over	CST/AMR/SFD
3/9/21	Go-Live CAD to CAD Interfaces into Production	CST/AMR/SFD

## Fire Prevention

### Definition of Serial Arson

A Serial Arsonist is someone who habitually and compulsively sets fires. Under U.S. Law, arson is defined as "the malicious burning of the dwelling of another," though the actual crime may entail the burning of any structure or object.

Our investigations Team believes that approximately 30-40 percent of the fires in Stockton could be attributed to serial arsonists. Understanding the value of this data, we looked for a better solution. We found a program called BATS, Bomb Arson Tracking System.

The Bureau of Alcohol, Tobacco, Firearms, and Explosives provides this reporting platform free for fire investigations divisions across the Country. The data we input can be shared with outside agencies or kept private. This program allows us to take a deep dive into the information collected, looking for trends. We are currently in Beta testing and can report back in future FireStat meetings. <https://www.atf.gov/explosives/bats-tour>

### City Structure Valuation

The current practice of creating a prearrival value for properties allows for a subjective analysis of the building by our company officers. Moving forward, will utilize the International Code Councils methodology for building valuation data and assign to the Chiefs Operator to create consistency.

## Calls for Service

### January Overview

Total Calls: 4004

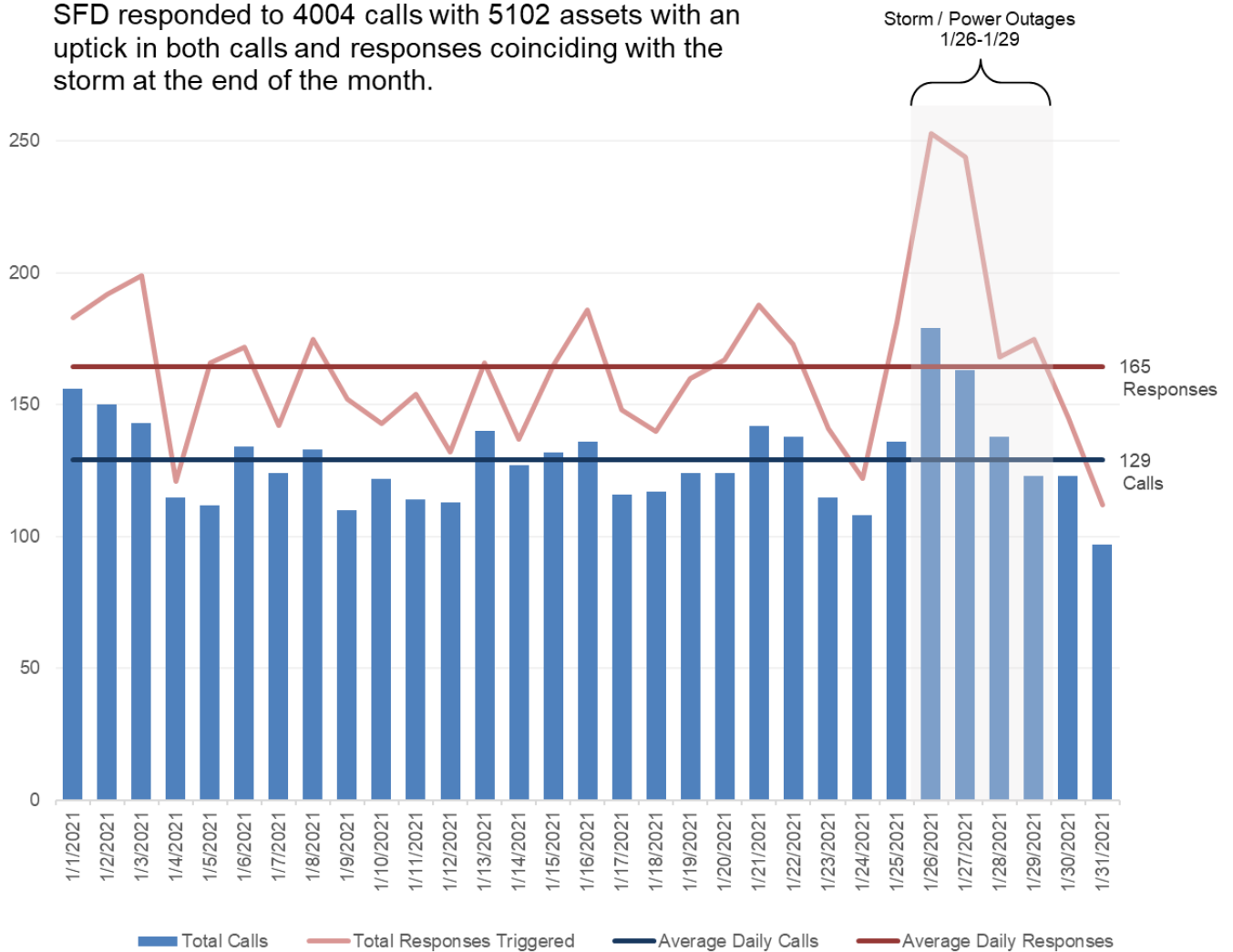
Total Responses Triggered: 5102

Average calls/day: 129

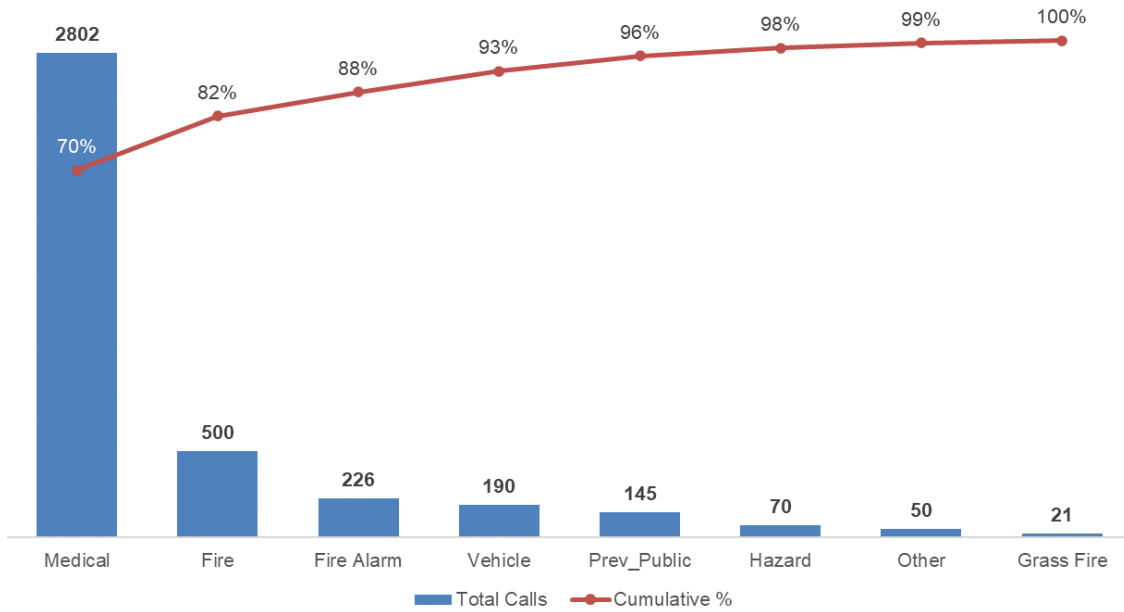
Average responses triggered/day: 165

Busiest day: January 26 followed by January 27 – these two days coincide with the storm and power outages.

SFD responded to 4004 calls with 5102 assets with an uptick in both calls and responses coinciding with the storm at the end of the month.



70% of all calls to SFD were medical in nature.



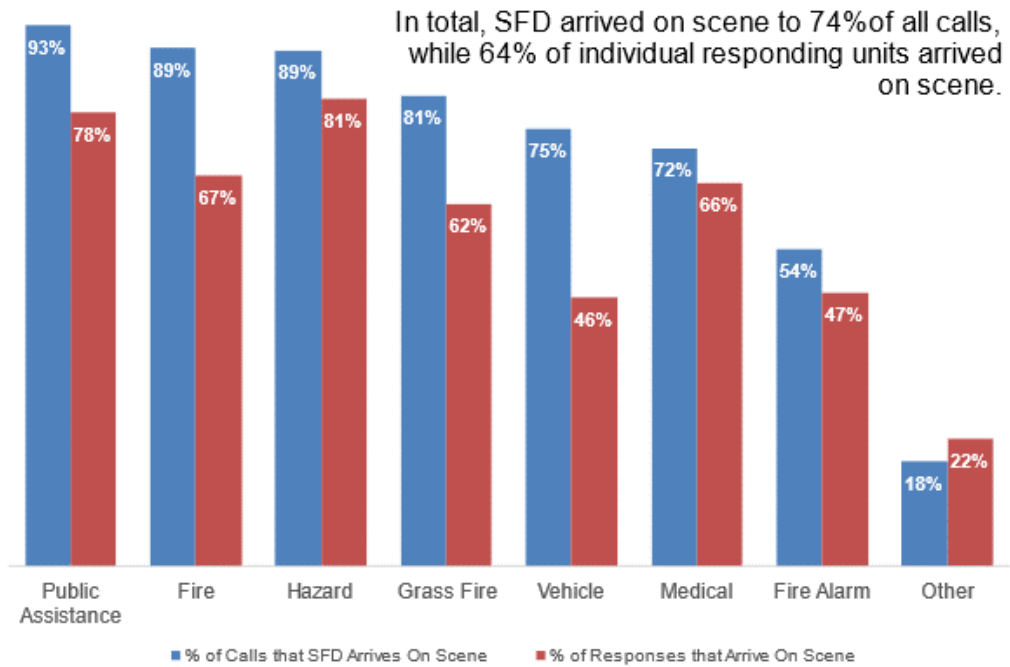
Total Calls with Arrivals on Scene: 2949

Total Responses Triggered that Arrived on Scene: 3248

Question: How many medics are there in the department?

There are roughly 70 company officers that have obtained paramedic certificates. The department targets having at least one paramedic per apparatus.

Category "Prev-Public" above refers to public assistance.



## **Personnel**

### **Summary key points**

1. The average age of the department is 42
2. The average years of experience are 14
3. There are currently 24 vacancies

<b>Current Vacancies</b>	
<b>Rank</b>	<b>Count</b>
Fire Captain	2
Engineer	9
Firefighter	7
Supervising Fire Prevention Inspector	1
ECD Manager	1
Fire Telecommunicator	4

- a. 20 will be filled with an academy that begins March 1<sup>st</sup>
- b. This does not account for 11 vacancies for open promotional positions that will be filled in the coming months.

### **Estimated projected retirement schedule:**

1. The retirement age for public safety is 50
  - a. 31 personnel are retirement age today (19%)
  - b. Another 12 will be retirement age by the end of this year (27%)
    - i. 43 of 162 will be eligible to retire at the end of the year
  - c. Five-year projection
    - i. 76 of 162 eligible by the end of 2026 (47%)

The above information highlights the need of additional succession planning. The focus of discussion focused on how to address the retirement projections above.

The upcoming academy is a lateral recruitment. A lateral candidate is coming from another organization that meets the organization and state requirements. This lateral academy is meant to recruit local firefighters and have lower impact to existing staff. Recruiting locally is expected to ensure a certain amount of knowledge of the area that speeds up onboarding to the department and some degree of higher retention because candidates are already located here.

## **Fleet**

### **Summary key points**

- This is only a point in time count taken at 0800 every morning. If an apparatus breaks at 0801, it does not count that day – skewing in service more than out of service.
- Rolling year – Feb 2020 – January 2021
  - a. Frontline units in service 79% of the time
    - i. E14 and E7 out of service more than 30% (or 110 days/ almost four months)
  - b. Reserve apparatus in front line service 3% of the time
    - i. E21 and E17 in service as front-line apparatus more than 50% of the time

Reserve apparatus are those that have aged out of intended lifecycle but are maintained for when front line assets break down or for call back, e.g. when a 3-alarm fire coincides with a structure fire and not enough front line companies are available.

When older assets breakdown, they tend to have longer wait times for repairs due to prevalence of proprietary parts.

Replacing an apparatus is an 18-month process. Based on historic purchases and performance of vehicles, SFD focuses on durability, simplicity, engineering, and the additional determination of continuity of service with the mechanics that work on the assets. Currently pursuing grant funding for new assets.

### Fleet Age and Usage

Engine 7 was highlighted with incorrect data during the meeting.

Unit ID	Year	Age	Mileage	Hours	Status	In Service
T5	1988	33	146,718	4,446	Reserve	5%
T7	1994	27	193,116	11,862	Reserve	36%
E17	2000	21	235,600	19,561	Reserve	51%
E22	2000	21	7,736	11,862	Reserve	40%
E19	2003	18	171,000	4,056	Reserve	27%
E20	2004	17	60,753	1,841	Reserve	46%
T3	2005	16	101,707	9,112	Apparatus	82%
E18	2005	16	544,632	16,504	Reserve	34%
E21	2005	16	534,930	16,210	Reserve	57%
T6	2005	16	288,354	8,738	N/A	N/A
Rsc2	2009	12	141,504	4,288	N/A	N/A
E5	2013	8	64,190	6,252	Front Line	86%
E6	2013	8	305,415	9,255	Front Line	72%
E7	2013	8	7,803	5,265	Front Line	62%
E10	2013	8	245,784	7,448	Front Line	75%
E13	2013	8	211,068	6,396	Front Line	88%
E14	2013	8	215,754	6,538	Front Line	64%
E3	2016	5	163,812	4,964	Front Line	86%
T4	2016	5	95,898	2,906	Front Line	86%
E9	2016	5	219,054	6,638	Front Line	73%
E11	2016	5	218,460	6,620	Front Line	79%
E12	2016	5	169,752	5,144	Front Line	81%
HZMT3	2016	5	12,771	387	N/A	N/A
E2	2018	3	93,225	2,825	Front Line	83%
T2	2018	3	54,318	1,646	Front Line	80%
E4	2018	3	77,649	2,353	Front Line	88%