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Meeting Summary

The following is a summary of the topics discussed in the FireStat meeting on 04/22/2021. 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.

This meeting will cover the following subjects in further detail:

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CAD Implementation

The team continues to work towards implementation but has discovered additional bugs that require more testing to ensure they have been corrected. Central Square Technologies (CST) is working to resolve glitches with AMR (VRECC) by installing two upgrade packages. Once both items have been addressed, both dispatch centers will need a couple of days to test the software to ensure stability and functionality.

With AMR’s request to move go-live to May 18, 2021, **ALL** parties have agreed to the following during the weekly call on Thursday, April 15, 2021:

- a. Put patch 6 in place on AMR’s production environment on May 13, 2021
- b. Patch straight to AMR’s production environment for any potential bug fixes that CST finds within the next 3 weeks to resolve any of the issues listed above
- c. AMR will work with SFD to test a VPN solution, and rollback to their T-1 line if it does not perform as expected
- d. Independent of any of the items listed above, and any other issues that arise between now and May 18, 2021 - all parties agree to go-live as is with the Central Square CAD-to-CAD interface between AMR & SFD

DELIVERY DATE	ACTION ITEM	OWNER(S)
5/13/21	Strike Teams Issues <i>Will be resolved in patch 6 to AMRs system</i>	AMR/CST

DELIVERY DATE	ACTION ITEM	OWNER(S)
TBD	Flat File upload resolution (case # 1662931) NOT GO-LIVE REQUIREMENT/ NOT A SHOW-STOPPER <i>Run updated on AMR machines until resolved</i> <i>CST will generate flat files for AMR to buy time for now until resolved</i>	AMR/CST
TBD	Rostering issues resolution (case # 1646755) NOT GO-LIVE REQUIREMENT/ NOT A SHOW-STOPPER <i>AMR to pull blackbox info to recreate for CST to resolve</i>	AMR/CST
4/30/21	Potential Latency / Memory Loss NOT GO-LIVE REQUIREMENT/ NOT A SHOW-STOPPER <i>SFD Timing lowered to 5-7 seconds between sending packets on 4/5</i> <i>SFD working on setting up VPN tunnel to test with AMR</i>	SFD/CST
TBD	Status Changing not catching up between agencies NOT GO-LIVE REQUIREMENT/ NOT A SHOW-STOPPER <i>SFD cycle is 5 seconds - When our dispatchers are quick, things can sometimes get missed (within 5 second cycle)</i> <i>Discussion about pointing towards EMS CAD (AMR) - All parties agreed to table to phase 2 due to the amount of work & testing involved</i>	AMR/CST
TBD	Emergency Call Transfer (case #1671100) NOT GO-LIVE REQUIREMENT/ NOT A SHOW-STOPPER SET/ECT issue <i>Still being investigated by CST for resolution</i>	AMR/CST
4/16/21	Rip-n-run Printers Missing <i>Katy is working on finding the servers and adding in the definition files</i>	SFD/CST
TBD	AMR Map file updated with SFD Geo Freeway Crosses NOT GO-LIVE REQUIREMENT/ NOT A SHOW-STOPPER <i>Map layer works for AMR, but no change presented for SFD</i> <i>SFD Dispatch is okay as is for now, but will look to resolve this in phase 2</i>	AMR (IT)/SFD
5/13/21	Production Environment Upgrade <i>Patch 6 for train of version</i>	AMR (IT)/CST
4/16/21	System Freeze for Cut-over Preparation <i>no access to interfaces for CST to prepare for cut-over</i>	CST/AMR/SFD
4/20/21	Go-Live CAD to CAD Interfaces into Production Fly out on 19th, on-site 20th & 21st 8am PST	CST/AMR/SFD

Fire Prevention

Investigations



March 2021	
Total Property Loss:	\$469,800
Total Content Loss:	\$149,125
Total Loss for the month:	\$618,925



Year-to-Date	
Total Property Loss:	\$3,230,712
Total Content Loss:	\$543,825
Total Loss for the Year:	\$3,774,537

(*YTD: Since January 2021*)

Investigations Year-to-Date <i>*Since Jan 2021</i>	28	25	Arsons Year-to-Date <i>*Since Jan 2021</i>
4/23/2021	Next Arson Task Force Meeting	Arson Arrests Year-to-Date <i>*Since Jan 2021</i>	8

March Investigations Continued:

Fire Investigations Assistance and Follow-up:

Structures: 4 Vehicle: 4 Vegetation: 1 Outside Rubbish: 21

Year to date Fire Investigations conducted: 38

Note: Investigator Smart was assigned to Fire Prevention on January 19, 2021

Fire Investigations Determined to be Arson:

Structures: 2 Vehicle: 2 Vegetation: 0 Outside Rubbish: 11

Year to date Fire Investigations determined to be Arson: 23

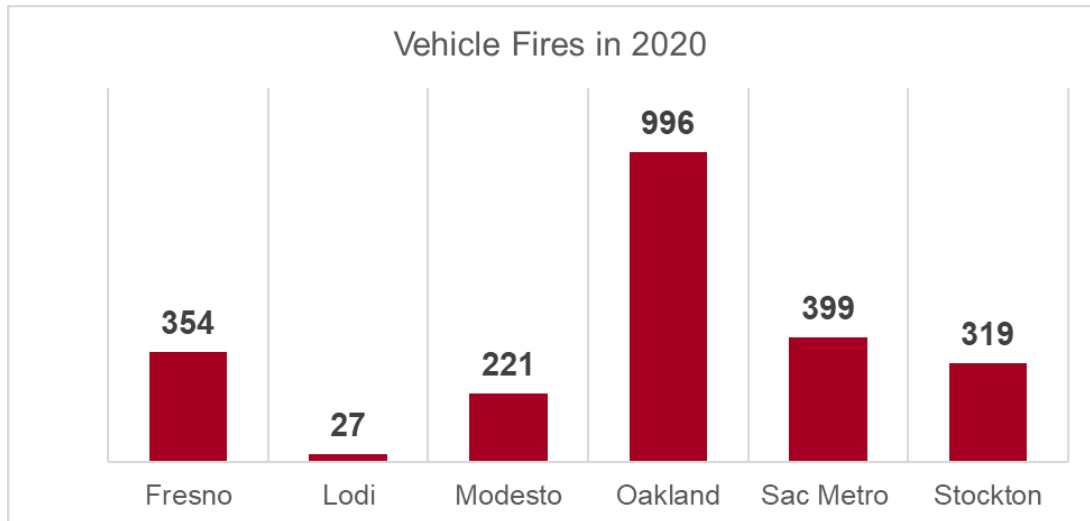
FIRE INVESTIGATIONS UNIT - Fire Investigation Reports Completed: 25

Year to date Fire investigations completed: 28

Comparative Vehicle Fires

Follow-up item from previous memo:

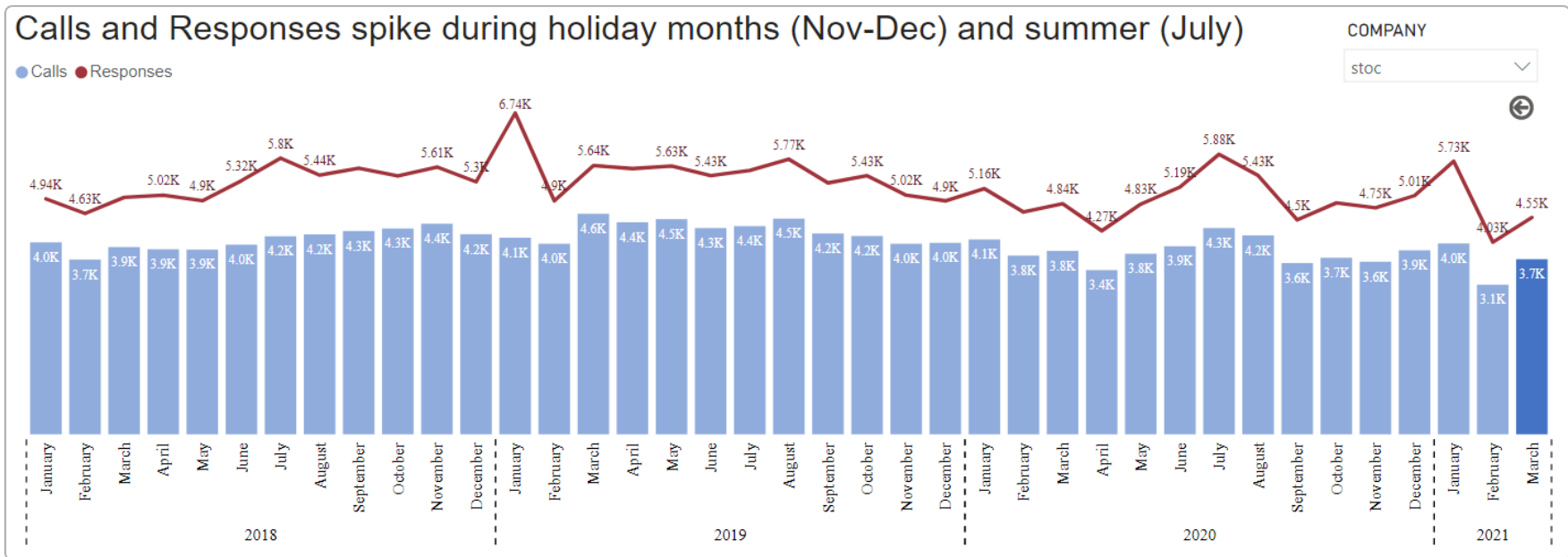
- While there were no investigations for “Vehicle” arsons there were 25 vehicle fires in February and 26 in January, needing additional follow up.
 - Typically, these stem from vehicle theft and vehicle fires and are evaluated between Police Department or private insurance companies.
- Question: How does City of Stockton compare in terms of vehicle fires?



Vehicle fires are outside the capacity for the Investigation team.

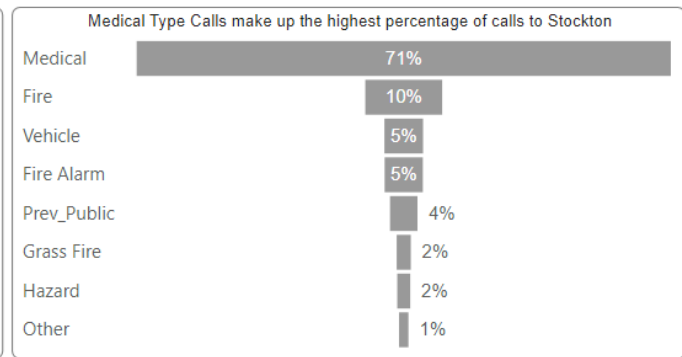
Calls For Service

Historic Outlook on Stockton Fire Calls for Service (Jan 2018 - Mar 2021)



157,196 Count of Total Calls	202,458 Count of Total Responses
171 Average Responses per Day	133 Average Calls per day

Incident Types	Calls	Responses
Medic	92696	101374
Still Alarm	12642	14987
Transport Only	10013	10545
Fire Alarm Still	7908	8631
Slow Speed Collision	5650	6487
Public Assistance	5392	6292
Rescue/Medical RT2	3959	4476
Medic/Transport	3403	3743
Total	157196	202458



March Overview

Total Calls: 3,674

Total Responses Triggered: 4,549

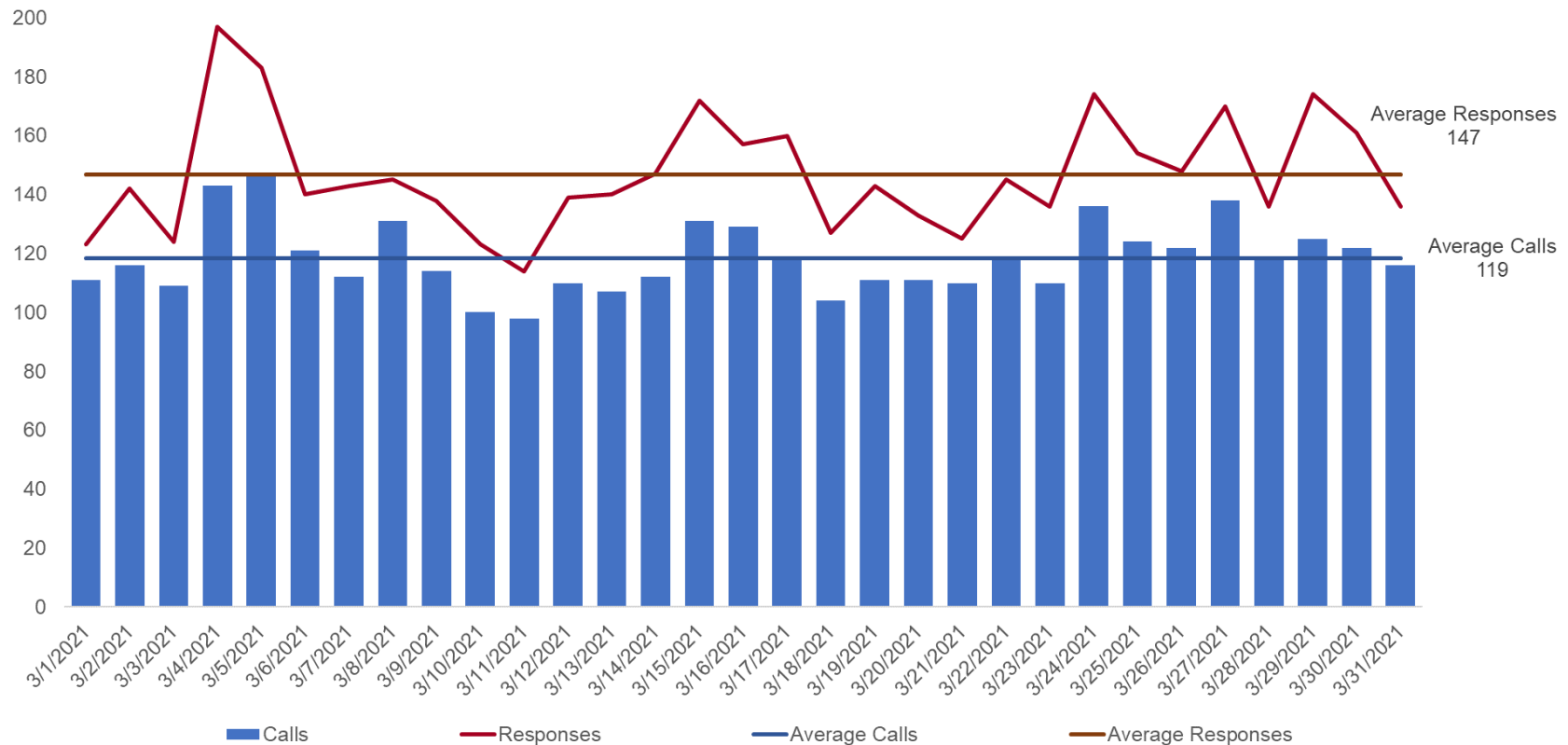
Average Calls/Day: 119

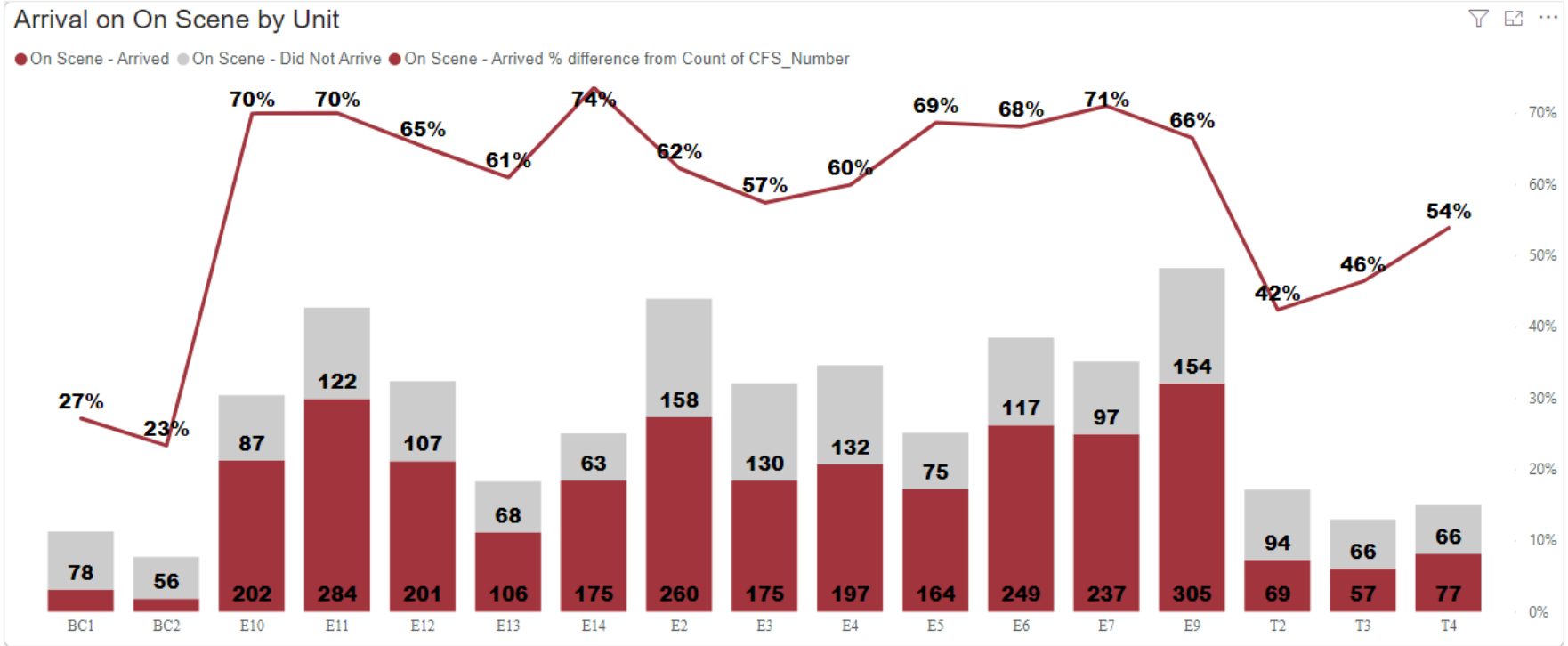
Average Responses Triggered/Day: 147

Busiest Day: March 4th for Responses with 3 structure fire in one day requiring 31 responses.

SFD responded to 3,674 calls with 4549 Assests in March 2021.

Upticks in responses concided with days that had structure fires various vehicle collision





Responses 4549	Arrived On Scene 2837	Did Not Arrive On Scene 1712	Percent of Arrival On Scene 62%
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Department notes that truck companies (T2,T3,T4) carry the “Jaws of Life” and will be dispatched to all collisions but are cancelled enroute if not needed, explaining their lower arrival on scene frequency.

Question: How does City of Stockton compare to other agencies on the percentage of on scene arrivals?

Department will discuss comparative agencies and will follow-up on the standard of on scene arrivals for fire agencies who provide on scene arrival data.

Comparative Cities

To help provide additional context for SFD and the level of activity in Stockton, SFD provided a list of “like” cities to consider for benchmarking. OPDA began researching to see what information is available from this list of cities.

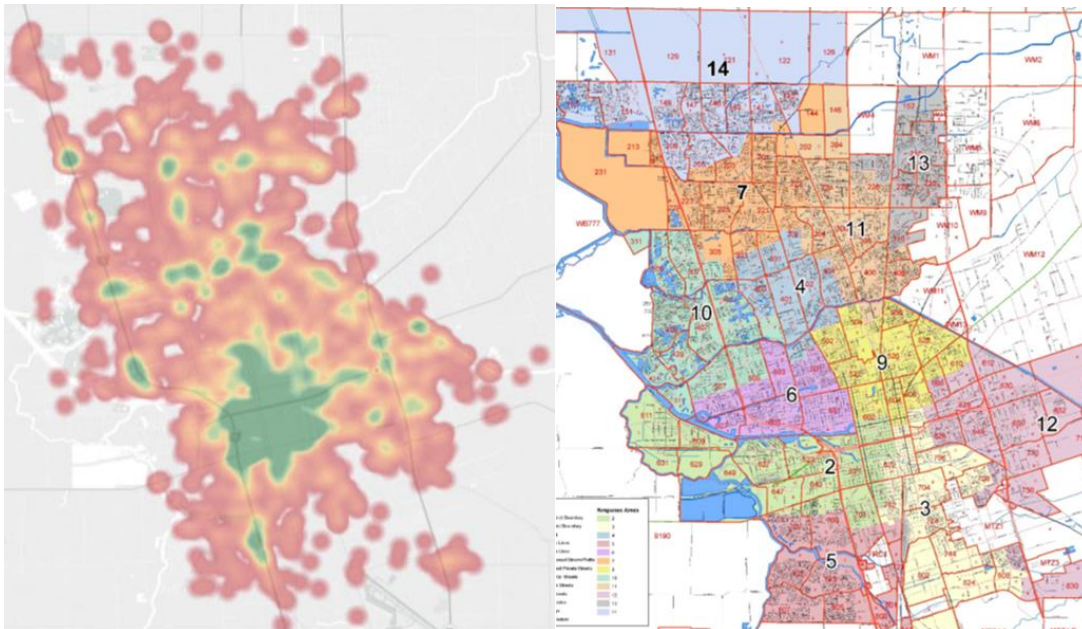
The following table shows progress to date:

City	Data Available	Has Open Data Portal	Has Fire Calls For Service Detailed DataSet?	Notes
Sacramento Metro Fire	No	No	NA	Sac Metro has no Open Data Portal, Detailed Dataset, or Annual Report found. Can request information in Adhoc Report for \$5.
Alameda County	Yes	Yes	No	Alameda County has an ArcGIS based system. Contained only coordinates of FireStation Locations. No Detailed CFS Data Set Provided. Has Call Data recorded up Fire Response Data Tab on City of Alameda Fire Department webpage.
Ontario	No	No	NA	City of Ontario in California did not have Open Data Portal, Detailed Dataset, or Annual Report found.
San Bernadino	Yes	Yes	No	While San Bernadino has an open data portal they do not have any datasets related to Fire Calls for Service. They have Annual Reports.
Sacramento City	Yes	Yes	Yes	City of Sacramento does have a detailed dataset on Fire Calls for Service. They do not have public facing response time measurements within the data set (i.e enroute, onscene, met 90% of NAFF standard, etc). They have only unique calls with (looks to be the primary) response station to incident type. Incident Types and Descriptions do not match ours exactly. They have annual reports for (2008-2017).
Livermore/ Pleasanton	Yes	No	No	Livermore Pleasanton has annual reports from 2016-2020
Tracy (South San Joaquin County Fire Authority)	No	No	No	No Open Data, Detailed Dataset, Annual Reports found.
Fresno	Yes	No	Yes	Fresno has an ESRI powered Dashboard which does not have the ability to extract a detailed dataset from in spreadsheet form. The site does have information of incidents and stations by date that would have to be selected and data entered by hand in an excel sheet. City of Fresno does have Annual Reports if google searched for 2018-2020
Modesto	No	No	No	Modesto looks to have worked on open data back in late 2017, however site for open data is no longer active. Fire department has annual reports from 2017-2014.
Bakersfield	No	Yes	No	City of Bakersfield has ArcGIS solution to map where fire station locations are within the City. Annual reports on City's website were not readily accessible . Public Records Request \$10.
Chula Vista	No	Yes	No	City of Chula Vista has ArcGIS based Open Data Portal with no data sets on Fire Department. Annual reports on City's website were not readily accessible.
Irvine	Yes	No	No	Irvine does not have open data portal. Annual reports can be found on city's website. Latest annual report is 2019.
Anaheim	No	Yes	No	City of Anaheim has ArcGIS based open data portal to show the location of fire stations. No specified data set on Fire Calls for Service. No readily accessible annual reports available on City's website.
St Petersburg Fire (FL)	Yes	Yes	Yes	Have open data portal but not the related CFS calls. Has a PD dispatch but it all grouped under "all other" category (cant discern fire specific ones). Did find the aggregated total calls per year. Annual reports not accessible on City Fire Department webpage.
Reno (NV)	Yes	No	No	City of Reno looks to have had an Open Data Portal at some point in time that is not accessible at this time. Annual reports can be found on City's website.
Plano (TX)	Yes	Yes	Yes	City of Plano, Texas has Open Data portal with dataset specific to 911 calls including Fire and EMS to measure call volume from 2012-2021. Additional tracks response times within the data set.
Lincoln (NE)	Yes	Yes	Yes	City of Lincoln Nebraska has Open Data Portal with data set on Fire related incidents. No metadata is displayed to show if they are unique calls or responses taken for incident.
St Paul (MN)	Yes	Yes	No	City of Saint Paul Minnesota has an Open Data Portal but has only a dataset pertaining to FireStation locations. No detailed Fire Calls for Service. City does have statistics related to fire responses on website. https://www.stpaul.gov/departments/fire-paramedics/faqs/statistics
Pittsburgh (PA)	Yes	Yes	Yes	City of Pittsburgh has an Open Data Portal with a detailed dataset on Fire related incidents, it does not provide metadata to determine if they are calls for service, number of responses, and the response times.
St Louis (MO)	No	Yes	No	City of St Louis has an open data portal but no 911, Fire incidents, Dispatch, or CFS reports.
Cincinnati (OH)	Yes	Yes	Yes	City of Cincinnati has Open Data portal with incidents dataset. This includes emergency medical services (EMS) calls, fires, rescue incidents, and all other services handled by the Fire Department. All runs are coded according to classification: for EMS, this includes ALS (advanced life support); BLS (basic life support); etc. Data Creation: This data is created when a run is entered into the City of Cincinnati's computer-aided dispatch (CAD) database. CPD & CFD Calls For Service includes all Fire and Police calls for service from the current day.
Durham (NC)	No	Yes	No	City of Durham has only detailed datasets on calls for service going to Police Department
Honolulu (HI)	No	Yes	No	Honolulu has dataset for firestations, not on calls for service.

City Highlighted in green has Open Data Portal will applicable dataset measuring Calls for Service/Fire Incidents.

Homelessness

Department began requirement of homeless-related fire data collection as of March 20th, 2020. The assessment of “homeless-related” is upon company officer’s discretion which is entered into Records Management System.



Heat Map (left) displays concentration of “All Calls Related to Homelessness” from January 1, 2020, to Feb 28, 2021. Map of Fire Station locations (right).

Open action: Fire and OPDA to collaborate on looking between CFS and RMS incidents.

Personnel

Hiring, Promotion, and Training

- The Stockton Fire Department hired 19 firefighters for the Fire Academy.
 - 3 of the candidates have resigned, 2 were injured, 1 was let go.
 - 13 remaining candidates
 - The Fire Academy is graduating on April 22, 2021.
- 8 firefighters took the engineer's test, and all the candidates passed the test.
 - They will all promote when the Civil Service Commission certifies the list.
- 27 candidates passed the captain's test written portion.
 - Assessment center will be starting May 3, 2021.

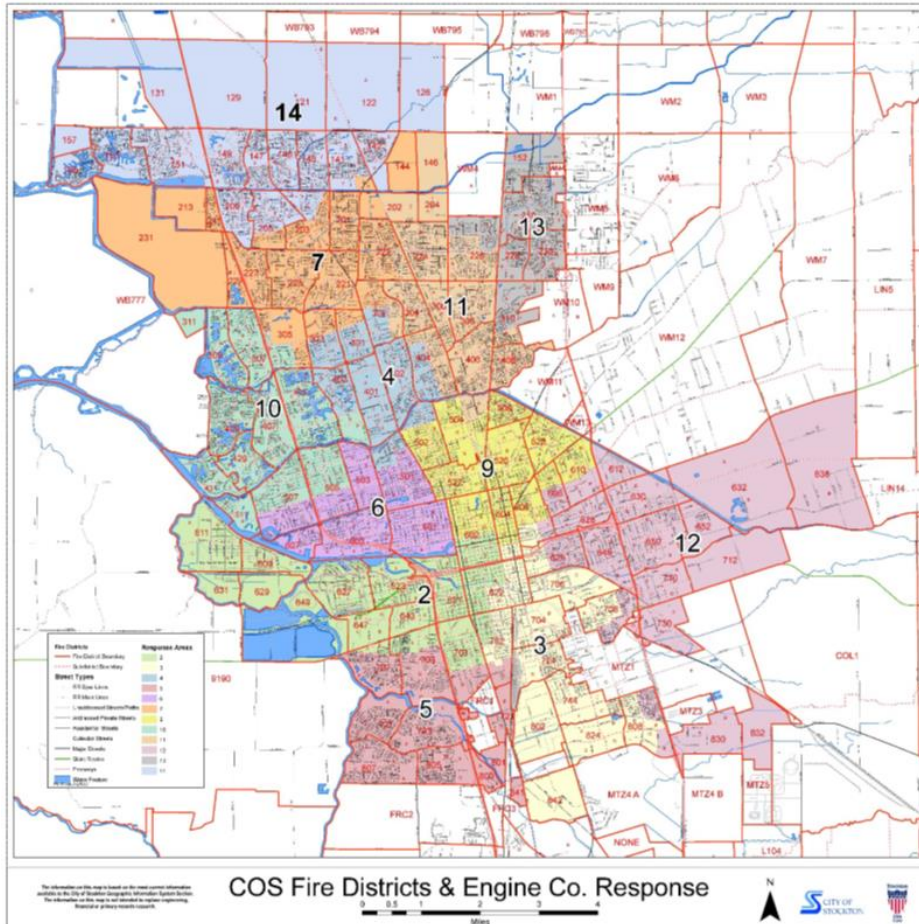
Question: When is the next academy?

Anticipating next academy in Sept 2021. This will be a lateral academy. The department will have a potential for 20 recruits with a minimum of 10 with this academy. The entry fire list expires in Aug 2021 and will need to be updated to cover the next recruitment cycle after the academy in Sept.

Appendix 1 Fire Station Map

Map with fire reporting districts that has station locations.

- Company 2, 3, and 4 have engines and trucks.
- Company 2 and 4 have a Battalion Chief.
- Company 2 has the Chiefs Operator.
- All others have an engine company
- Company 2 is a heavy rescue.
- Company 3 is HazMat.
- Company 6 is water rescue.



Appendix 2. Fleet Revised

Fire Fleet Information

Unit ID	Year	Age	Mileage	Hours	Status	In Service	
T5	1988	33	146916	4452	Reserve	0%	
T7	1994	27	195030	5910	Reserve	0%	
E17	2000	21	649374	19678	Reserve	65%	
E22	2000	21	393030	11910	Reserve	23%	
E19	2003	18	137148	4156	Reserve	61%	New hour meter
E20	2004	17	65472	1984	Reserve	35%	New hour meter
T3	2005	16	303633	9201	Front Line	100%	
E18	2005	16	549384	16648	Reserve	23%	
E21	2005	16	540738	16386	Reserve	100%	
T6	2005	16	289443	8771	N/A	0%	
Rsc2	2009	12	145761	4417	Not Staffed	100%	
E5	2013	8	208659	6323	Front Line	87%	
E6	2013	8	312180	9460	Front Line	100%	
E7	2013	8	173877	5269	Front Line	3%	In for service
E10	2013	8	245784	7448	Front Line	58%	In for service
E13	2013	8	214401	6497	Front Line	100%	
E14	2013	8	79336	6676	Front Line	90%	
E3	2016	5	170775	5175	Front Line	100%	
T4	2016	5	36906	3049	Front Line	100%	
E9	2016	5	219054	6638	Front Line	65%	In for service
E11	2016	5	170775	6866	Front Line	100%	
E12	2016	5	74731	5272	Front Line	87%	
HZMT3	2016	5	30987	939	Not Staffed	100%	
E2	2018	3	93225	2825	Front Line	6%	In for service
T2	2018	3	58047	1759	Front Line	100%	
E4	2018	3	31598	2547	Front Line	100%	