



# **San Francisco Fire Department**

**Deputy Chief of Administration  
Shayne Kaialoa**

**Fire Commission Report  
July 2023**

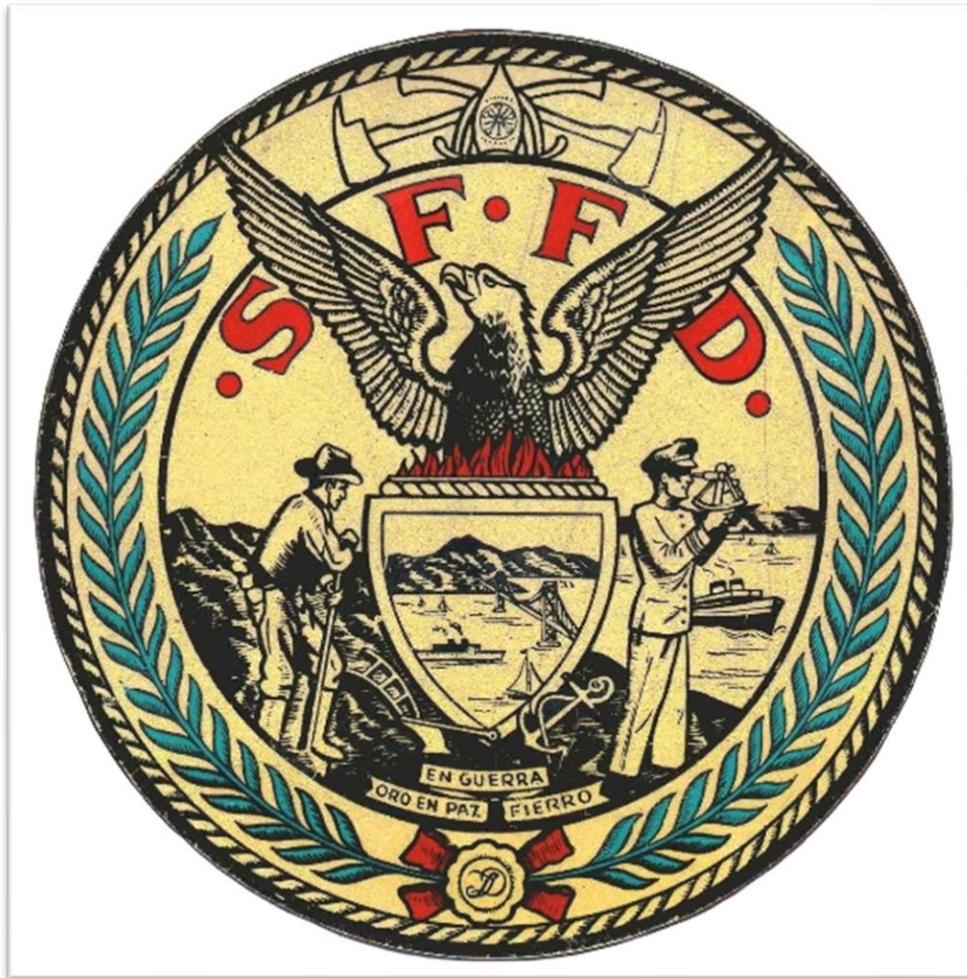


## Glossary of Terms

5/5	Out of service/Out of order
300A Form	OSHA Summary of Work-Related Injuries and Illnesses
3807 Event	Injury Report - did not require medical treatment
5020 Event	Injury Report - required medical treatment
ACLS	Advanced Cardiac Life Support
ACS	Auxiliary Communications Service
ADF	Ambulance Deployment Facility
AHIMT	All Hazards Incident Management Team
AOA	Airfield Operating Area (secured airfield area)
APEC	Asia-Pacific Economic Cooperation
ARFF	Aircraft Rescue Firefighting (airport apparatus used on the airfield for fighting aircraft incidents)
AWSS	Auxiliary Water Supply System
BAAQMD	Bay Area Air Quality Management District
BATEP	Bay Area Training & Exercise Program
BAUASI	Bay Area Urban Areas Security Initiative
BBR	Bureau of Building Repair (Department of Public Works)
BHU	Behavioral Health Unit (formerly known as the Stress Unit)
BLS	Basic Life Support
BOE	Bureau of Equipment
BUF	Bureau of Urban Forestry
CA TF3	California Task Force 3 - Urban Search and Rescue
CERS	California Environmental Reporting System
CIRT	Critical Incident Response Team
CJAC	California Fire Fighter Joint Apprenticeship Committee
DBE	Design-Build Entity
DBI	Department of Building Inspection
D & D	Doffing and Donning
DEM	Department of Emergency Management
DOC	Department Operations Center
DOC	Daily Operational Check
DOT	Department of Training
EAP	Event Action Plan for Planned Events
EAP	Employee Assistance Program
EFWS	Emergency Firefighting Water System
EHMR	Elastomeric Half-Mask Respirator
EMS PIP	EMS Performance Improvement Plan
EOC	Emergency Operations Center
EtOH	Ethyl Alcohol
FAR	Federal Aviation Regulations (FAA guidelines for operating)
FDOC	Fire Department Operations Center
FFCCS	Fire Fighter Cancer Cohort Study
HAZWOPER	Hazardous Waste Operations and Emergency Response
HPH	High Pressure Hydrant
HRET	High Reach Extendable Turret (piercing nozzle on ARFF rig)

HSS	Health Service System
IAFF	International Association of Firefighters
IAP	Incident Action Plan
IPSDI	International Public Safety Data Institute
JOC	Job Order Contracting
LARRO	Low Angle Rope Rescue Operational
LODD	Line of Duty Death
MCI	Multi Casualty Incident
MEP	Mechanical, Electrical and Plumbing
MSE	Minor Sidewalk Repair
NCRIC	Northern California Regional Intelligence Center – member of the National
NFA	National Fire Academy
NFORS	National Fire Operations Reporting System
NIOSH	National Institute for Occupational Safety and Health
NTP	Notice to Proceed
OES	Office of Emergency Services
OOS	Out of Service
ORD	Outreach, Recruitment and Development
PSS	Peer Support Team
PX Members	Probationary Members
RC	Rescue Captain
RS	Rescue Squad
SCBA	Self Contained Breathing Apparatus
SFIA	San Francisco International Airport
SPCC	Spill Prevention Control and Countermeasures Plan
SWOT	Strengths, Weaknesses, Opportunities and Threats
TDA	Tractor Drawn Aerials
TITF	Treasure Island Training Facility
USCG	United States Coast Guard
US&R	Urban Search and Rescue
UST	Underground Storage Tank
VAR	Vehicle Acquisition Request
WDO	Working Day Off
WOW	Wellbeing at Work
WMD	Weapons of Mass Destruction

# Homeland Security





***Homeland Security***  
***ADC Erica Arteseros Brown***  
***July 2023***

Meetings/ Events/ Training & Exercises Attended

- SFFD
  - CD1 Monthly Staff Meeting
  - CD1 Quarterly 1 on 1 meeting
  - CD3 weekly meetings
  - Fire Commission Meetings
  - Disaster Committee Meeting
  - NERT Advisory meeting with Command Staff
  
- Training & Exercise
  - National CERT (NERT) conference
  - Bay Ferry VI Exercise Planning meeting
  - Assistant Joshua Smith to TEEEX All Hazards Management Training in Texas
  
- CCSF
  - Small Business office Fleet Week & permits planning
  - Fuel Work Group meeting
  - Outside Lands Concert Initial Planning
  - SF Marathon Coordination meeting
  - Hazards and Climate Resilience Plan (HCR) kick-off meeting
  
- Department of Emergency Management (DEM)
  - EOC Coordination Call for Elevated Temperatures
  - World Cup Soccer 2026 communications pre-planning with DEM/CalOES

FEMA CA-TF3

- Task Force (TF) Department Points of Contact (POC) updates
- Search Canine Unit
  - Monthly Drills
  - Handler Felicia Lee to Search Dog Foundation – paired with new canine
- Rescue/Hazmat/Logistics/Comms specialists
  - Monthly drills
  - WHITE team on standby
  - 3 SFFD members selected as potentials and began TF training (totaling 6 new members in June/July)
  - 3 SFFD members resigned positions in July

## Mutual Aid

Monitoring for IMT position deployment requests

## Federal Department of Homeland Security/United States Secret Service (USSS)

- Asia Pacific Economic Conference Summit (APEC) planning ongoing
  - Health & Medical Sub-Committee Meeting
  - Crisis Management Subcommittee meeting
  - Perimeter Subcommittee meeting
  - Fire/Life Safety/Hazmat (FLSH) subcommittee meeting
  - Geospatial subcommittee meeting
    - CAD Data sharing meeting with USSS, DEM Communications Division, SFFD and SFPD

## Fleet Week

- Fleet week committee/military Overall July Planning meeting
- DSCA\* Exercise Mid Planning meeting. This year will involve military to “civilian” communications.  
\*DSCA is the Defense Security Cooperation Agency. Department of Defense agency for cooperation with Civilian entities which holds an exercise with public safety for Fleet Week.

## Urban Area Security Initiative (UASI)

- UASI SPR – Threat and Hazard Identification and Risk assessment meetings
  - Operational Coordination, Logistics, and Supply Chain Integrity
  - Community Resilience, Mass Care, AFN Planning
- Securing the Cities Grant: National Strategy for Chemical, Biological, Radiological, Nuclear, and Explosives (CBRNE) subcommittee Meeting

## Incident Management Team Development:

Planning for APEC activation

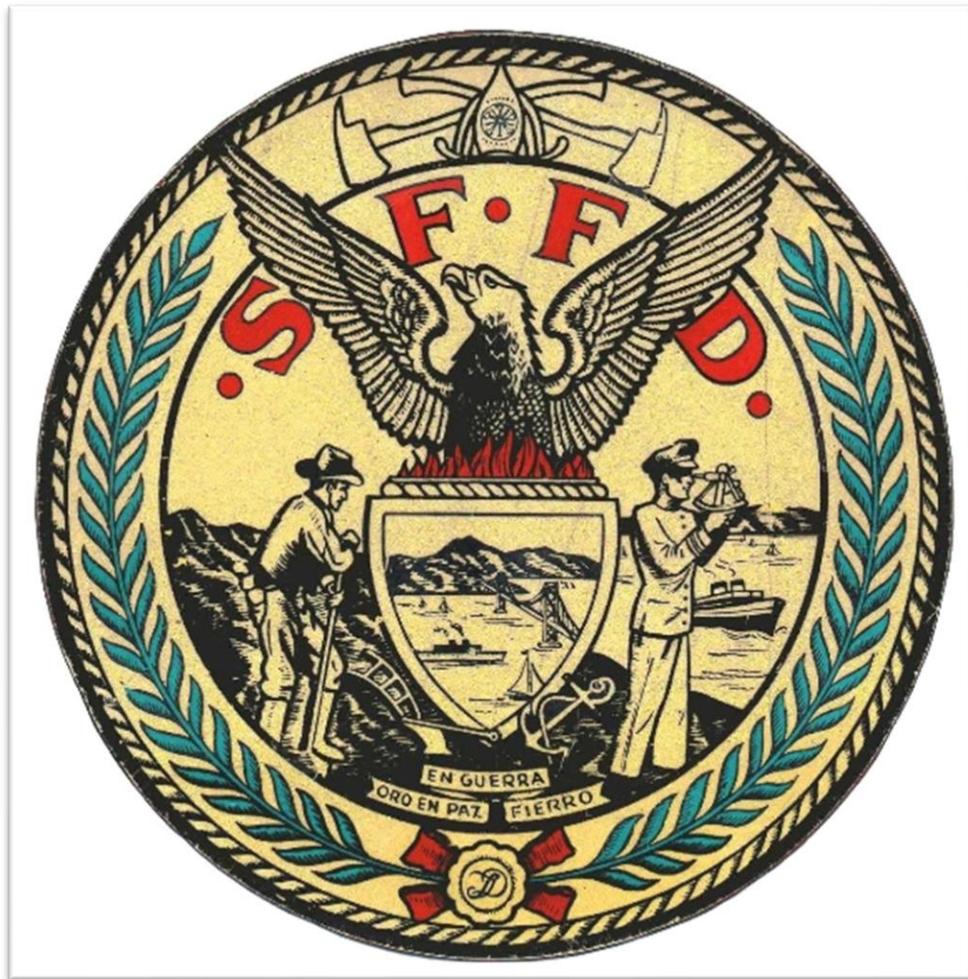
## NCRIC (Northern California Regional Intelligence Center):

- SAR (suspicious activity report) reporting and review of alerts
- Situational Awareness Distribution to EAP Group

## On-going Coordination/Projects:

- Mobile Command- Next Steps and On-going Training
- Disaster Manual updates & Disaster Checklist Project ongoing- Committee Chair coordination
  - EMS disaster committee subgroup meeting
- UASI grants management
- FDOC
  - Maintain situational awareness
- SFPD Operational Orders distribution

# Diversity, Equity, Inclusion





*Diversity, Equity, Inclusion Office*  
*ADC Shon Buford*

**Recent ORD Activity – July 1 – July 31, 2023**

**DEIO Earn While You Learn**

Complete Summer Internships for Mission High School Fire/EMS Students in the DEIO EWYL program. 7 students were enrolled. 1 student dropped the program. Monday – Thursday the students were enrolled in the CCSF EMT class. On Fridays, the students met with Lt. Anderson at the Division of Training for a weekly checkup, review any course material from the previous week, prepare for National Registry and learn about career opportunities with Fire and EMS. The culmination of the internship was a fishing trip in the Bay with Lt. Bendo and FLAME.

As of August 11, 5 out of 6 of students have taken National Registry and all 5 have passed. The students will be applying for EMT jobs with Royal and AMR while continuing their education at CCSF in Fire Science Technology.

**133 Interviews**

Interviews were conducted for the 133 class. Prepared questions, organized panel training and interview panels. Sent invitations to all candidates that applied for the H2 Firefighter position. Department members from H2 Firefighter to H50 Assistant Chiefs served on interview panels.

651 candidates scheduled interviews and 567 attended. This was an 87% attendance rate. We are waiting on DHR to produce the eligibility list.



**San Francisco Conservation Corps - Update**

BC Siguenza and I planned on providing the S-130 and S-190 training to the first cohort of SFCC corpsmembers during the two weeks the 132 Recruit Class is away from the TITF between 8/20 – 9/1. Kip Bowmar requested a delay. The SFCC is still waiting on the \$500k funds to come in so they can buy the necessary equipment. They also need to identify the appropriate corpsmembers for the Forestry Corps program.

I connected SFCC with CCSF and they will work on providing college credit to the corpsmembers for their training.

**FCTC, DHR & SFFD Implementation Meeting**

Call for meeting between the DHR Public Safety Team, FCTC and SFFD to discuss how to phase out NTN and move exclusively to FCTC.

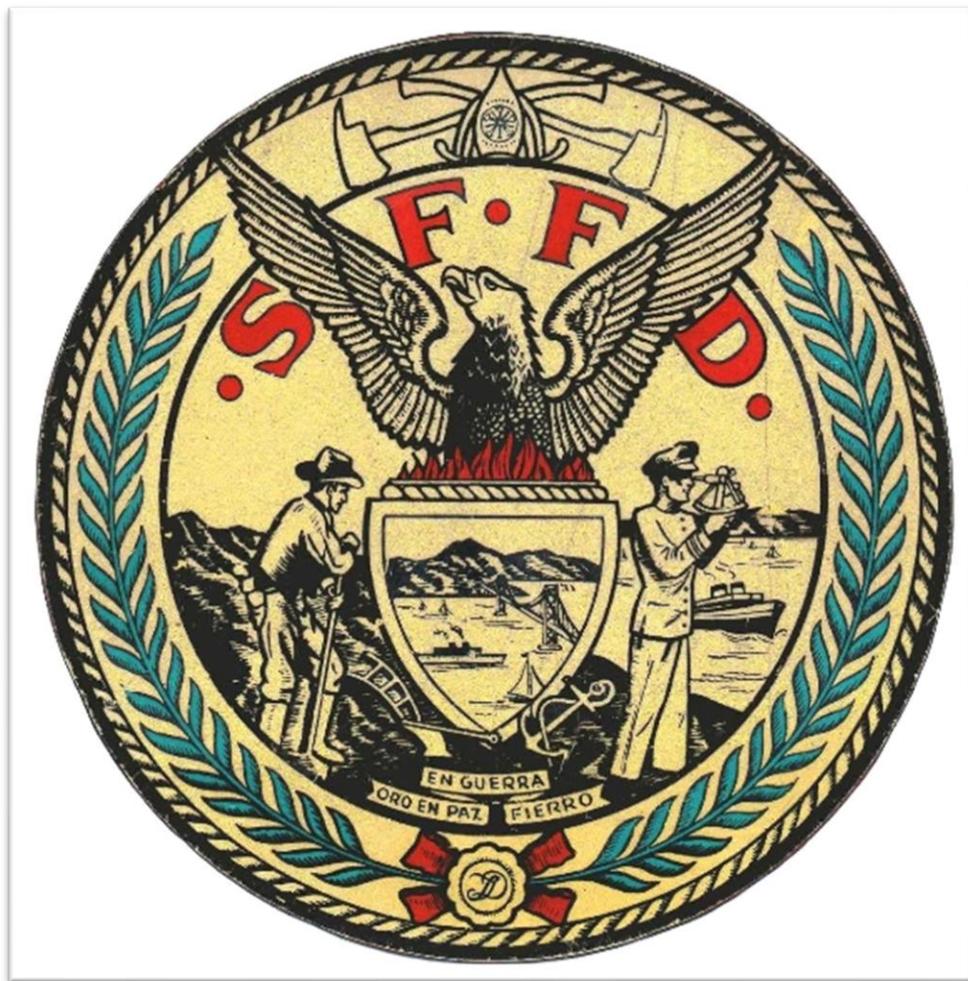
**REC & Park Meeting**

Lt. Anderson and Shiloh Kaho met with Rec & Park to explore a possible program collaboration between San Francisco Recreation and Parks and the San Francisco Fire Department. Out of that meeting, we identified a city program that provides access to Public Safety Trainees that are paid by HSA. Shiloh and Lt. Anderson plan to utilize this program as an additional resource for the SFFD.

**Drexel Grant Meeting**

Attend meeting with Philadelphia Fire Department Retired Paramedic and Deputy EMS Commissioner Crystal Yates-Gale. Ms. Yates-Gale is the DEI project manager for Drexel University and has received a FEMA grant to develop a DEI toolkit for Fire Departments. Ms. Yates-Gale is currently recruiting Departments to pilot an LGBTQ Resource Guide for EMS. I will work with Ms. Yates-Gale to facilitate the involvement of the SFFD.

# Health, Safety and Wellness





*Health, Safety and Wellness*  
*BC Matthew Alba*

**Commission Meeting Report for Health, Safety, and Wellness July 2023**

Every other Monday: Health & Safety Roundtable  
Every Monday: Meet with BHU Captain Buren  
Every Tuesday: Meet with Chief Kaialoa  
3<sup>rd</sup> Thursday: PEER support & Critical Incident Response Team Meeting  
2<sup>nd</sup> Wednesday: Health & Safety Committee Meeting  
3<sup>rd</sup> Wednesday: SF First Responder Peer Support Advisory Committee  
3<sup>rd</sup> Thursday: San Francisco Firefighters Cancer Prevention Monthly Meeting  
4x/year: Fire Fighter Cohort Cancer Study: Women Firefighters Quarterly Meeting

• **Violence in the Workplace (VIW)**

- VIOLENT INCIDENTS on Fire Portal workflow inbox will go:
  - Suppression Members
    - Member Reporting (MR) --> (HSW) --> CD3 --> CD2 --> Capt. BHU --> (H16) Navigators to follow up w/ MR
  - Station 49 Members
    - (MR) --> EMS 2 --> EMS 1 --> CD4 -->CD3 --> CD2 --> Capt. BHU --> (H16) Navigators to follow up w/ MR
  - Community Paramedicine Members
    - (MR) --> CP 2 --> CP 1 --> CD4 -->CD3 --> CD2 --> Capt. BHU --> (H16) Navigators to follow up w/ MR

• **SFFD Wellness App**

- Working with San Francisco Health Service System (SFHSS) and finalizing the transition from Cordico App to Lighthouse App
- Involves moving the entire content that was on Cordico and manually inputting it to reflect the same information on the Lighthouse App.

• **Cancer Champions**

- The SFFD “Cancer Champions” program has launched! It is a collaboration between The San Francisco Firefighters Cancer Prevention Foundation (SFFCPF), Local 798, The Division of Training (DOT), The Division of Health, Safety, & Wellness (HSW), The Office of Employee Health (OEH), and DetecTogether, a company that delivers online educational presentations to detect cancer early.
- Each Fire Station will have a Cancer Champion. **60 SFFD active members volunteered** to be Cancer Champions and were trained in July. We will equip the Cancer Champions with the knowledge needed to raise awareness about cancer, engage in conversations that could help reduce the risk of cancer, and encourage early diagnosis of cancer for our brothers and sisters.

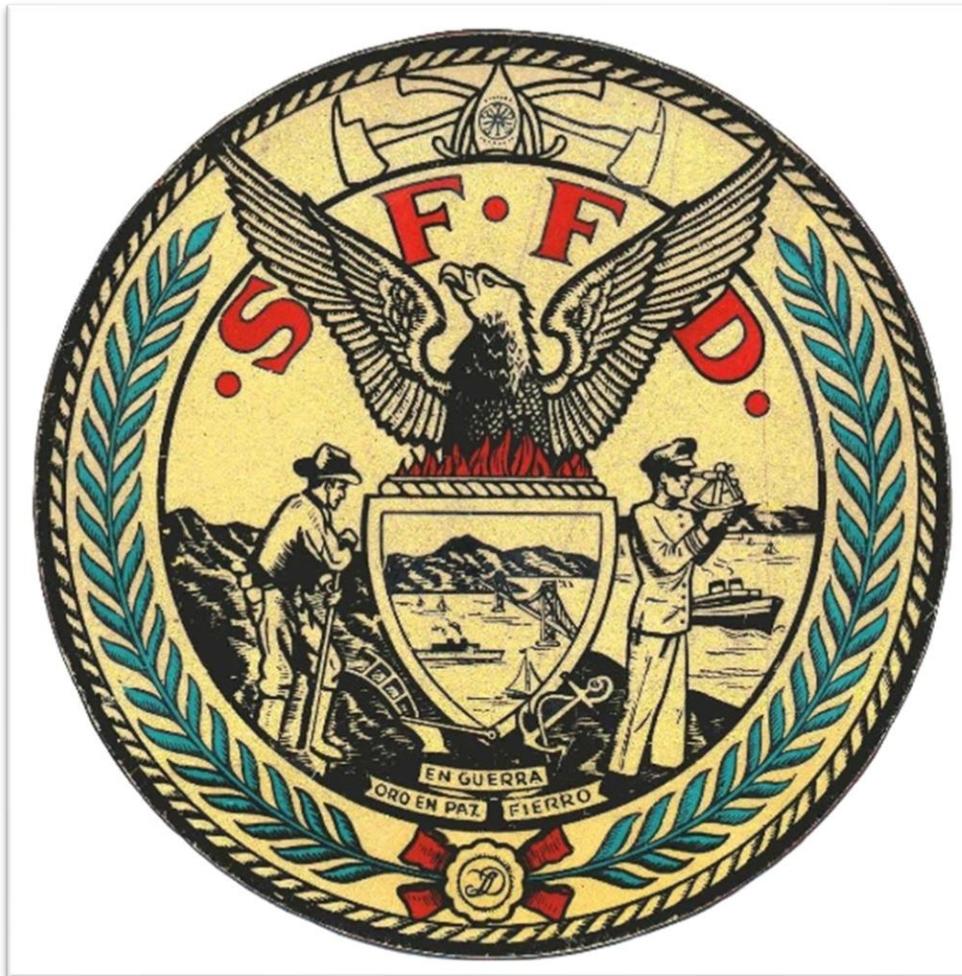
- DetecTogether is providing a 7-month curriculum. Cancer Champions will review the “**3 Steps Detect Method**” and refer their co-workers to online learning for specific to firefighters at [firefighter.detecTogether.org](http://firefighter.detecTogether.org) for more in-depth learning.
  - Topics include:
    - 3 Steps Detect (25 min.)
    - Why Are Some People at Greater Risk? (5 min.)
    - How to Advocate for Yourself (5 min.)
    - What is Cancer (5 min.)
    - How to Compile Medical History (7 min.)
    - How to Do Self-Exams (6 min.)
    - Seeking Care (5 min.)
    - Preparing for Doctors Appointments (5 min.)
    - Identifying and Tracking Symptoms (7 min.)
    - Questions to Ask Your Doctor (5 Min.)
    - Prevention, Early Detection, Screening (10 min.)

***Environmental Occupational Health and Safety***  
***Anthony Boone, CIH, CSP, CHMM, CEI***  
***July 2023***

- Conducted Monthly Spill Prevention Control and Countermeasures Plan (SPCC) inspections
- Reviewed Monthly UST inspections
- Attended monthly health and safety meetings
- Updated ALL environmental reports in CERS
- Reviewed Medical waste tracking forms (Manifests) for clarity and errors. No errors found.
- Delivered health safety and wellness presentation to 132nd recruit class
- Commenced SCBA and N 95 fit testing at DOT. Trained two EMS personnel on light duty to assist. As of 7/31 fit tested approximately 100 members( two weeks)
- Responded to Cal-OSHA inquiry regarding documents need for investigation into injury of BOE member that occurred the previous month



# Office of Employee Health





***Office of Employee Health***  
***Jennifer Brokaw, MD Supervising Physician***  
***July 2023***

July was a “business as usual” in the Office of Employee Health. Our clinical responsibilities were minimal, so we took time to update our policies and procedures and do some planning with the Health and Safety team for wellness events in the next fiscal year.

**Return to Work/ Modified Duty: 39**

**Promotion/Probation: 7**

The Office of Employee Health also helps the Department of Worker’s Compensation set up and process new claims and communicates with members about how to access care and connect with the claims examiners.

**Total Number of Worker’s Compensation Claims filed in July: 62**

**Other Activities:**

We participate in the Health and Safety Committee meeting bi-weekly to discuss current issues and prevention strategies. We are supporting the Health and Safety team as they set up their Cancer Champions initiative through Detect Together. This is part of our effort to focus on cancer, cardiovascular disease and mental health/substance use disorder for our 30 In/30 Out wellness program.

*Stephanie Phelps, RN, NP*  
*July 2023*

**Summary of Work-Related Injuries and Illness Report  
For Period 7/1/23 through 7/31/23**

<b>3807 Events by Body Part</b>		<b>3807 Events by Rank</b>	
Head	1	H 2	38
Eye	3	H 3 L1	7
Neck	1	H 3 L2	9
Shoulder	5	H 3 L3	6
Arm	6	H 9	2
Wrist	2	H 10	1
Hand	4	H 16	2
Finger	5	H 20	5
Back	19	H 30	1
Leg	4	H 33	2
Knee	12	H 50	1
Foot	3	Civilian Personnel	2
Toe	1		
Stress	2		
COVID	4	<b>Total</b>	<b>76</b>
Other	4		
<b>Total</b>	<b>76</b>		

**5020 Events by Body Part**

Head	1
Ear	2
Neck	1
Shoulder	4
Arm	4
Wrist	2
Hand	1
Finger	2
Back	6
Hip	1
Leg	1
Knee	3
Foot	4
Internal Organ	1
Hearing	1
Strain	1
Stress	5
COVID	17
Other	7
<b>Total</b>	<b>64</b>

**5020 Events by Rank**

H 2	28
H 3 L1	4
H 3 L2	7
H 3 L3	4
H 4	1
H 9	1
H 10	1
H 20	4
H 24	1
H 30	4
H 32	1
H 33	5
H 40	1
Civilian Personnel	2
<b>Total</b>	<b>64</b>

**5020 Events by Time Lost**

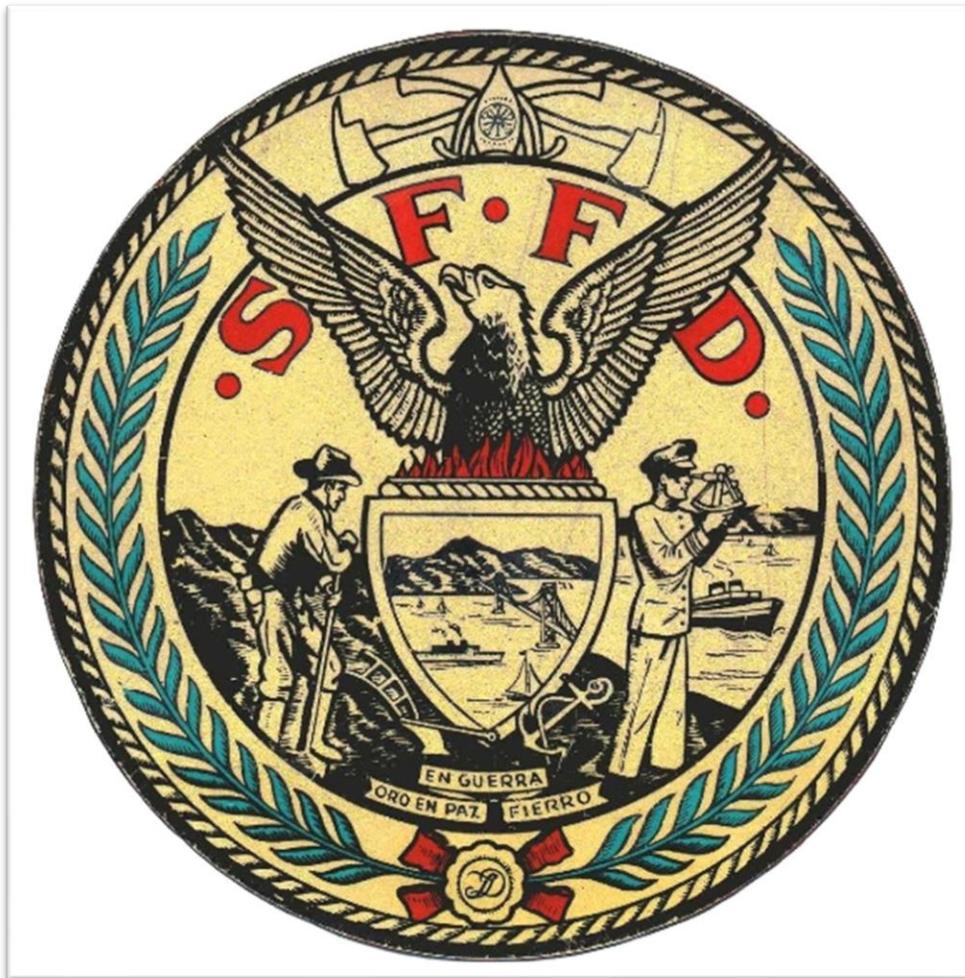
Lost Time Injuries	43
No Lost Time Injuries	21
<b>Total</b>	<b>64</b>

**DP Experience****Days**

Total off duty at start of period:	65
Reporting off duty during period:	41
Report on duty during period:	37
Total off duty at end of period:	69
Total absences:	102



# Research and Planning





***Research and Planning (Assignment Office)***  
***A/Captain Ed Chu***

List of recent activity in the Assignment office for **July 2023**

1. Assignment Office is working with EMS Division and Community Paramedicine for on-going staffing and scheduling.
2. Working with EMS and CP for their annual vacancy.
3. Placement of the new EAA#28, EMT advancement academy.
4. Assignment changes for Fire Suppression, all ranks. For staffing and promotions.
5. Ongoing work with Fire Prevention on staffing and new promotions.
6. Ongoing work with Fire Pay roll for discrepancies for every pay period.
7. The EMS WDO-In-Advance continues per General Order 20 A-08. In accordance with the policy, pre-hiring 75% of open ambulance shifts seven days in advance.
8. Continues to assist Physician's Office with assigning personnel to Temporary Modified Duty Positions.
9. Continue new WDO-In-Advance Policy for Suppression members, General Order 21A-64. Pre-hiring of 50% of shortage seven days in advance on Thursday, Friday, Saturday, and Sunday.
10. Continue Mandatory Credit given WDOs for weekends to increase voluntary WDOs.



# Investigative Services Bureau





*Investigative Services Bureau  
Captain Todd Weddle  
July 2023*

**Fireboat/Energetix DOT Testing Program**

The Fireboat testing is now under the random testing program and the names are added to the draw pool daily from Datco Services.

**Random Alcohol and Drug Testing Program**

Forty-Five members were randomly selected and tested; results negative. Finalizing a new vendor for testing supplies (MEDTOX). The Dept would save 10% off of current testing supplies. 12 new Quantisal tests are on order to replace tests that are expiring.

**Post-Accident Alcohol and Drug Testing Program**

No post- Accident Alcohol and Drug tests were administered by ISB during the month of July.

**Conditional Offer, Promotional and End-of-Probation Alcohol and Drug Testing Program**

Ten Members participated in promotional, and end of probation Alcohol and Drug Testing.

**Breathalyzers**

Both Division 2 and Division 3 breathalyzers have been Accuracy tested(passed). Both Div2 and Div3 Printers were tested, and printer paper was checked.

**California Driver Licenses (CDL)**

A/Cpt Weddle continued to monitor all Dept members Drivers Licenses via CA DMV Pull Notifications. All recent classes 130,131, 132 have been added into the system. Currently there is no members (0) zero with suspended licenses.

**Training**

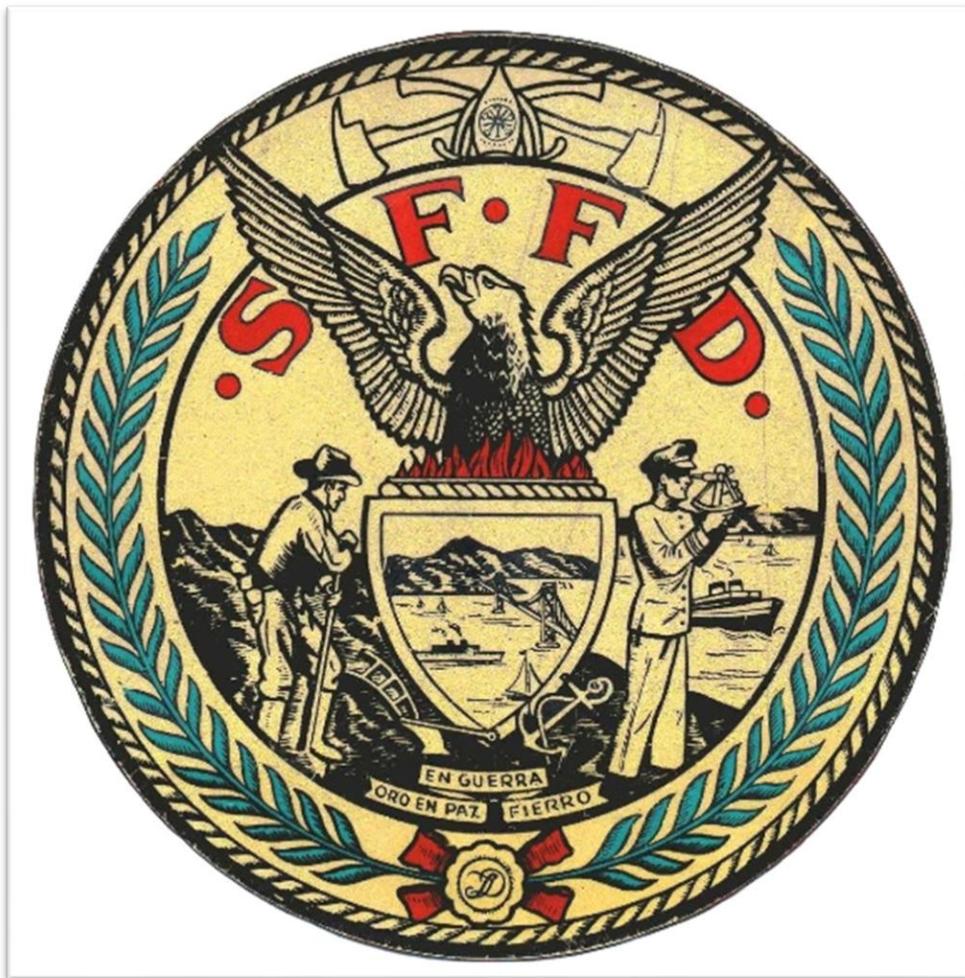
A/Cpt Weddle completed online Waymo vehicle training. Active Shooter online training, and S-130 wildland online training.

**Background Investigations**

Background packets for the H3L1 class and are due back to headquarters August 15<sup>th</sup>-17<sup>th</sup>.



# Support Services





## *Support Services – ADC Michael Mullin July 2023*

### **FACILITY MAINTENANCE & PLANNING (July Waechtler, SFFD)**

- A total of 150 requests for service were initiated during the month of July 2023.
- 122 service orders were completed and closed out in July 2023.

### **PLUMBING**

- Only five service calls were placed to resolve minor plumbing issues (faucet, toilet, urinal repairs; clogged sinks, shower drains) in the month of July 2023.
- Two sewage backups were reported during July 2023 which included ST 36 and 33.
- New water heaters were installed at FS 17 and 26 during July 2023 which are the 8<sup>th</sup> and 9<sup>th</sup> water heaters installed since January 1, 2023.

The Division held interviews to hire a plumber and electrician who will be tasked with the Department's day-to-day plumbing and electrical needs that are currently managed by DPW trades. Both employees will report to the Stationary Engineer. Support Services anticipates the new employees employment will commence late June or early July. The division will experience an immediate savings with the hiring of trade personnel as we will no longer be utilizing DPW's services for routine plumbing and electrical repairs. Both employees are scheduled to start July 10, 2023. *Status Update: The plumber and the electrician started employment with the Department on July 10th. It was determined during the on-boarding process that the electrician did not possess a valid vaccination card, therefore his employment was terminated. Human Resources has been advised to commence the recruitment process immediately to hire a qualified electrician.*

### **HVAC/HEATING/BOILER**

- FS 23: Heater in Officer's Room needs to be replaced including new t-stats, on-off switch. Drying Room needs new heater and exhaust fan. Modifying controls to include timer and on/off switch in or outside Drying Room. *Status Update: Waiting for quote from DPW's Steamfitters Shop for two heaters, one exhaust fan and the necessary control work.*
- FS 5: Boiler needs new flue to be fabricated by DPW Sheetmetal Shop; after fabrication and installation of new flue, DPW Steamfitters will run new drain and condensate neutralizer. *Status Update: DPW's Steamfitters Shop determined that this work should be reassigned to DPW's Sheet Metal Shop. Waiting for quote for fabrication.*
- FS 28: Flushed entire heating system and strainers of fan coil and air handlers; will replace 3 t-stats. Pump was replaced and 2 of the 3 T-stats have been replaced. The last of the 3 T-stats installed in March. New equipment is not syncing with older equipment plus multiple zones with inadequate heat. Additional control valves and thermostats are needed. Quoted 3 days labor plus \$3,000 parts which was approved by ADC Mullin. New thermostats and control valves have been received and need to be

installed. Installation scheduled for mid-July. *Status Update: New control module was installed on air handler. T-stats and control valves still need to be added to the 4 heating zones.*

- FS 14: New pulleys, motors and belts were installed on the station's exhaust extractor system to improve intake. Fan not performing as designed. Rep from Nederman (manufacturer of the exhaust extractor) came on-site for inspection, and recommended a different exhaust fan for the exhaust extractor. HVAC installation is complete. Nederman exhaust fan had to be replaced and has been ordered; ETA is 3 months. *Status Update: DPW Steamfitters are still waiting for fan procurement. Issued PO to Air Filtration on 5/25/23.*
- FS 12: Baseboard controls in Comm and Dining Rooms need to be upgraded. Parts have arrived; installation to be scheduled. *Status Update: Waiting for labor.*
- FS 22: Re-circ pumps need to be replaced. DPW Steamfitters to conduct walk thru with Support Services then provide estimate for re-pipe. *Status Update: Moving forward with estimate for re pipe.*
- FS 9: ESTIMATES RECEIVED from DPW Steamfitters to replace 3 rooftop HVAC units: \$149,701.72. Submitted approval to DPW/BBR to proceed with work as quoted. *Status Update: DPW Steamfitters submitted quote for new equipment on 7/31/23.*
- FS 17: ESTIMATE RECEIVED to replace Boiler: preliminary estimate \$222,000. Pending approval from Client (SFFD). *Status Update: deferred until funding is available.*
- FS 13: ESTIMATE RECEIVED for Furnace/Forced air units in dorm; price also includes replacing exiting ductwork: preliminary estimate \$80,000. Awaiting formal ESTIMATE from DPW/BBR. *Status Update: DPW's Steamfitters made a temporary repair, however 2/4 zones have bad heat exchangers and gas is locked out. Troubleshooting is continuing.*
- FS 26: ESTIMATE RECEIVED for Furnace/Forced air units: \$137,211.66. Submitted approval to DPW/BBR to proceed with work as quoted. *Status Update: DPW Steamfitters submitted quote for equipment on 7/31/23. Waiting for PO.*
- FS 11: Dorm heater not working. DPW Steamfitters will replace leaking valves and try to fix leak on unit. Proposes that unit may need to be replaced if leak persists. There were multiple leaks, which included the valves which were replaced, however the unit still leaks. Unit valved-off and put out of service. DPW to quote replacement of unit. Estimate new unit may cost approximately \$3,000 and it may take up to 30 hours to demo old unit and install new one. DPW proposal forthcoming. *Status Update: DPW Steamfitters anticipate that a new heater may cost \$8,000. Waiting on quote from DPW Steamfitters.*

#### CEMENT/ASPHALT

One cement/asphalt issue pending: FS 6. *Status Update: Deferred until August when this FY's budget is defined.*

#### EXHAUST EXTRACTORS

FS 2, 25, 6, 32, 19, 9 and 1 required repairs to be made to station's exhaust extractor. *Status Update: Repairs completed and all have been returned to service.*

#### GENERATORS

No major generator issues were reported.

#### GLASS/WINDOWS/SCREENS

Requested estimate from DPW to replace windows at FS 43. Received estimate from DPW Glass Shop (\$9,833.70 for Officer's Windows). ADC Serrano to discuss scope of materials with DPW Glass Shop before approval. ADC Serrano approved estimate; advised DPW Glass Shop okay to proceed. *Status update: Waiting on start date to be determined.*

#### CARPENTRY

No major carpentry issues were reported.

#### ELECTRICAL

No major electrical issues were reported.

#### LANDSCAPING

- Requested DPW/Bureau of Forestry to perform site inspection of the trees surrounding FS 10 (over 80 trees in total) to determine if any were diseased, at risk of toppling, etc. Site inspection was performed; waiting for a written report on findings but nothing needed immediate attention. A site visit with BUF on May 11<sup>th</sup> revealed that several trees need significant pruning and thinning. Waiting for written estimate for tree trimming. Received estimate to remove large overlapping branches that overhang station parking lot, back of building plus work to include elevating branches over sidewalk and parking spaces: Crew of 5 for 3 days \$20,959.34. All 80 plus trees are within the Fire Department's property line and are not funded for maintenance through the Public Works Street Tree SF Program, therefore, we are responsible for all maintenance. Forwarded estimate to CFO to schedule work for next fiscal year. Next trim should be scheduled within the next 3-5 years. *Status Update: ADC of Support Services will meet with CFO in August to discuss this FYs budget and determine how to proceed.*
- 1415 Evans Ave: Requested that DPW/Bureau of Forestry perform inspection of large tree in the yard that had suffered some wind damage to its branches. Site inspection was performed by BUF on May 11th. Waiting for written report from BUF on findings, however the tree was not at risk of uprooting or needed immediate attention. *Status Update: Received estimate for \$3,341.30. On hold for now as other more pressing issues must take precedence.*

#### PAINT

No major paint issues were reported.

#### PEST MANAGEMENT

FS 37 experienced another flea infestation during month of July. *Status update: As FS 37 had a flea infestation in 2021, Support Services was quick to dispatch Pestec to treat rear yard and eventually fire station common areas to mitigate a full blown infestation. Currently observing effectiveness of treatment plan in order to determine if additional treatment is needed. Members have been advised to minimize exposure to rear yard of Station as this is the area the pest exterminator suspects is the problem area.*

E.S.E.R. BOND 2010 NFS – Updates through May 2023

**Additional Focused Scope Program (Michael Rossetto, San Francisco Public Works):**

**Emergency Generators:**

- **Fire Station 14** – Scope of work: replacement of existing generator with new rooftop generator, new subgrade fuel fill port at the sidewalk in front of the station, and new fuel piping from sidewalk to generator.
  - Building Permit issued on 6/17/21.
  - This project had been on hold because of other SFFD priority projects but has been revived. Architectural documentation is scheduled for completion in September 2023 with procurement to follow.
  - Invitation to Bid will be advertised in 2023

.S.E.R. BOND 2014 NFS – Updates through June 2023

**Seismic Improvement Program (Magdalena Ryor, San Francisco Public Works):**

- **Fireboat Station 35 (\$50.5M)** – Certificate of Final Completion was issued on November 11, 2022. Project is in financial close-out. Final Payment Application to Swinerton/Power, JV was approved on 7/10 followed by the final release of retention on 7/12.



**Focused Scope Program (Michael Rossetto, San Francisco Public Works):**

*Total Funding allocated for the Focused Scope Program is \$21,407,279, approved by SFFD on 8/17/17.*

*Work is complete in 8 of 9 of the Focused Scope categories comprising Roofing, Apparatus Bay Door Replacements, Exterior Envelope Improvements, Windows, Showers, HVAC/Mechanical, Sidewalk/Slabs, and Security Access Control. Work continues to progress through the last scope category, Generator Replacements.*

**Emergency Generators:**

- **FS 2** – Scope of work: replace existing rooftop generator set, structurally strengthen roof structure to support new fuel tank with capacity for 72-hour run time and provide new fuel fill port and piping to generator.
  - This project is complete.
- **FS 19** – Scope of work: replace existing generator at grade and replace main electrical panel.
  - This project has been on hold to accommodate other SFFD priority projects, but procurement documentation is underway.
  - Job Order Contract (JOC) as opposed to open bid is being investigated to reduce time.

**Exterior Envelope:**

- **Package 1 (FS 8, 20, 23, 29)** – FS 8, 20, and 29 are complete; Note that on 1/15/21, SFFD requested a hold on FS 23 painting due to other priorities.
- **Package 2 (FS 24, 34)** – This project remains on HOLD initially placed at the request of Capital Planning in order to provide supplemental funding to the Police TC&FSD project. It is now expected that those funds will be returned to the SFFD for allocation to a priority project, possibly FS24 and/or FS34.

**Network Improvement Project (Michael Rossetto, San Francisco Public Works):**

Survey existing network infrastructure and document recommended improvements at all fire stations. The first surveys were performed on 1/17/23 at FS 29 and 37. Additional surveys and documentation have occurred at fire stations - three out of nine fiber rings:

- 1/17/23: Fire Stations 29 and 37.
- 3/7/23: Fire Stations 25, 17, 49 (ADF), 9, and BOE at 1415 Evans.
- 4/4/23: Fire Stations 38, 5, 10 and 16
- 4/18/23: Fire Stations No. 7, 2, 28, 41, Chief's Residence.
- 5/16/23: Fire Stations 3, 32, 42, 44 and BOE at 2501 25<sup>th</sup>.
- 6/21/23: Fire Stations 20, 39, 19, 15, and 33.
- 7/5/23: Fire Stations 1, 4, 8, 13, and 35
- 7/19/23: Fire Stations 12, 21, 22, and 31

E.S.E.R. BOND 2020 NFS – Updates through July 2023  
**New Fire Training Facility (Scott Moran, San Francisco Public Works)**



**Budget:** \$275M

**Phase:** Planning

**Schedule:**

- Estimated Start of Construction – TBD
- Estimated Substantial Completion – TBD

**Highlights:**

- Functional Programming (Phase 2) was completed on 3/3/23.
- Land transfer of Port parcel (& 2 paper streets) approved by State Lands Commission on 2/28/23. Final approval by Governor Newsom received in July 2023.
- Street vacation discussions continue with adjacent property owners (Prologis & CA State Parks). Requesting letters of consent from them for streets abutting their property.
- Contract with Executive Architect, RDC Architects, has been finalized and is now pending approval with the Board of Supervisors & the Mayor’s Office after BOS returns from recess on 9/5/23. Concept Design now targeted to start in late-September or early-October.
- RFQ for Construction Manager/General Contractor (CM/GC) with Design-Assist Core Trade Subcontractors - expect to issue the RFQ solicitation in early Fall 2023.

**Fire Station 7 Replacement (San Francisco Public Works)**

**Budget:** Expected budget of the Fire Training Facility does not create funding opportunity for the FS 7 project

**Phase:** Suspended

**Schedule:** N/A

**Highlights:** N/A

P.H.S. BOND 2016 NFS – Updates through May 2023

The total funding allocated for Neighborhood Fire Stations is \$9.1M.

**Seismic Improvement Program (Michael Rossetto, San Francisco Public Works):**

- **Hose Tower Removal & Roofing (FS 6, 11, 12, 21, 38)** – Complete.
- **Hose Tower Removal & Replacement (FS 15)** –  
On 4/13/23 funding was made available by way of reallocation of funds back to PHS NFS from PHS ADF. Job Order Contract (JOC) is being pursued for time savings. The goal is to NTP construction by Fall '23.

**Focused Scope Program (Michael Rossetto, San Francisco Public Works):**

**Emergency Generators:**

- **FS 37 & 44:**
  - Project was bid on August 3, 2022; BBJ Electric was the sole bidder. CMD deemed BBJ nonresponsive due to LBE compliance issues, but on September 6, 2022, CMD issued a compliance memo that BBJ had remedied their LBE requirements.
  - On December 16, 2022, the PW Commission awarded this project to BBJ Electric.
  - The award package was sent to BBJ on December 27<sup>th</sup>.
  - Construction NTP was issued on 3/27/23.
  - The 60kw generator originally specified for FS 37 is no longer compliant, due to a change implemented by the Bay Area Air Quality Management District (BAAQMD). The 80kw generator specified for FS 44 is still compliant, so after meeting with SFFD, the team resubmitted to DBI to change the FS 37 generator to match the 80kw generator. Permit is pending.
- **FS 18:**
  - On 4/13/23 funding was made available by way of reallocation of funds back to PHS NFS from PHS ADF
  - An Invitation to Bid (or JOC) will be advertised in 2023, following FS 15 Hose Tower, depending on available remaining funds to implement the construction phase.

P.H.S. BOND 2016 – Updates through July 2023

**AMBULANCE DEPLOYMENT FACILITY (ADF) / STATION 49 (Kathleen O’Day, San Francisco Public Works)**

- Per 7/17/23 meeting with SFFD and SJ Amoroso Contractors (SJA), SJA will continue to address all remaining warranty items that have been documented since May 2, 2023.
- Final project closeout August 2023.



**E.S.E.R.—Emergency Firefighting Water System (EFWS), SFPUC**

- 19<sup>th</sup> Avenue EFWS Pipeline – Construction completed June 2023.
- Clarendon Supply EFWS Pipeline – Construction contract continued. Expect completion November 2023.
- Fireboat Manifold – Planning for new pipeline and fireboat manifold near Fort Mason Pier 2 and Pier 35.5 for fire suppression continued.
- Vicente EFWS Pipeline – Construction contract continued.
- Potable Emergency Firefighting Water System (PEFWS) project – Draft Conceptual Engineering Report (CER) is being finalized. Continued design for Contract A from Lake Merced Pump Station to Sloat Blvd/19<sup>th</sup> Ave.

## **DEPARTMENT ENGINEERING (Stationary Engineer Avo Sarkissian, SFFD)**

- Ongoing and routine maintenance at Fire Stations, HQ and ADF.
- Station 16 secondary containment tank for underground diesel fuel will be getting repaired. CFO transferred funds to PUC, permits are expected to be pulled the week of 8/7/23.
- HQ Elevator modernization quote was submitted to CFO for viewing.
- 698 second street needs the gutters waterproofed. Estimates have been obtained and submitted to ADC Mullin for approval.
- The Department Electrician search will begin. Candidates will be sent interest letters shortly.
- Preparations are being made to house PIO and BHU at 870 Bush on the week of 8/7/23.

## **BOE/FLEET MANAGEMENT**

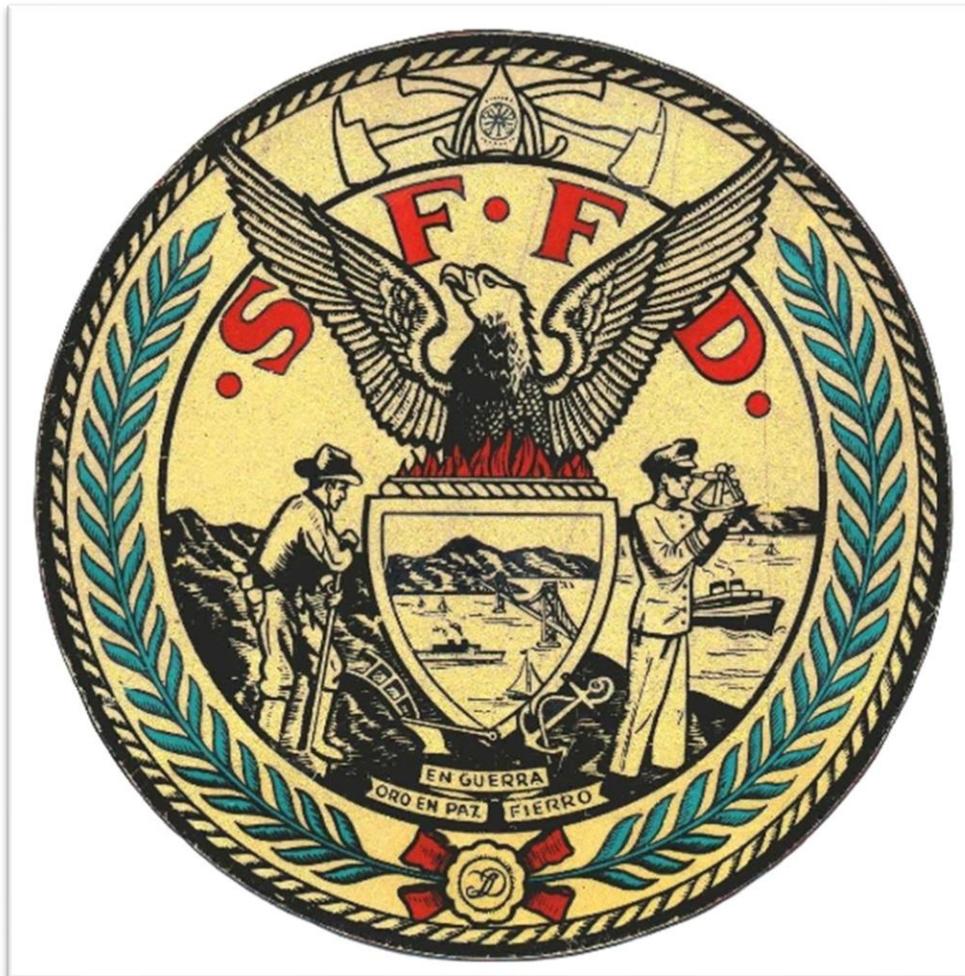
- The third TDA has been delivered and acceptance testing is commencing along with repairs that were discovered during delivery.
- The Rosenbauer Hose Tender has been delivered and we are performing acceptance testing on the unit.
- 7 Braun Northwest Type-1 Ambulances due for delivery/completion November 2023
- Two Rosenbauer TDA's change orders have been submitted for approval.
- One QRV replacement vehicle issued 7/27
  - Mini-Pumpers 17 and 43 are in the field and MP25 and MP44 are awaiting radio faceplates to be installed before being issued.
- BOE is researching and developing:
  - Idle-mitigation policies and practices for SFFD fire apparatus
  - EV Implementation Plan to transition Dept. from Internal Combustion Engines (ICE) to Hybrid-Electric to full Electric Vehicle (EV) fleet.
  - EV Fire Engine Spec

## **CLOTHING DEPOT (Kevin Day, SFFD)-July**

- The clothing Depot received 50 Helmets to outfit the upcoming 133<sup>rd</sup> H2 Px class.
- Issued 19 paramedic badges
- Issued 103 uniform vouchers
- Issued PPE to 75 members
- Ordered 150 sets of Turnouts to outfit the next two H2 Px classes and for members in the field



# Earthquake Safety and Emergency Response (ESER) Bond



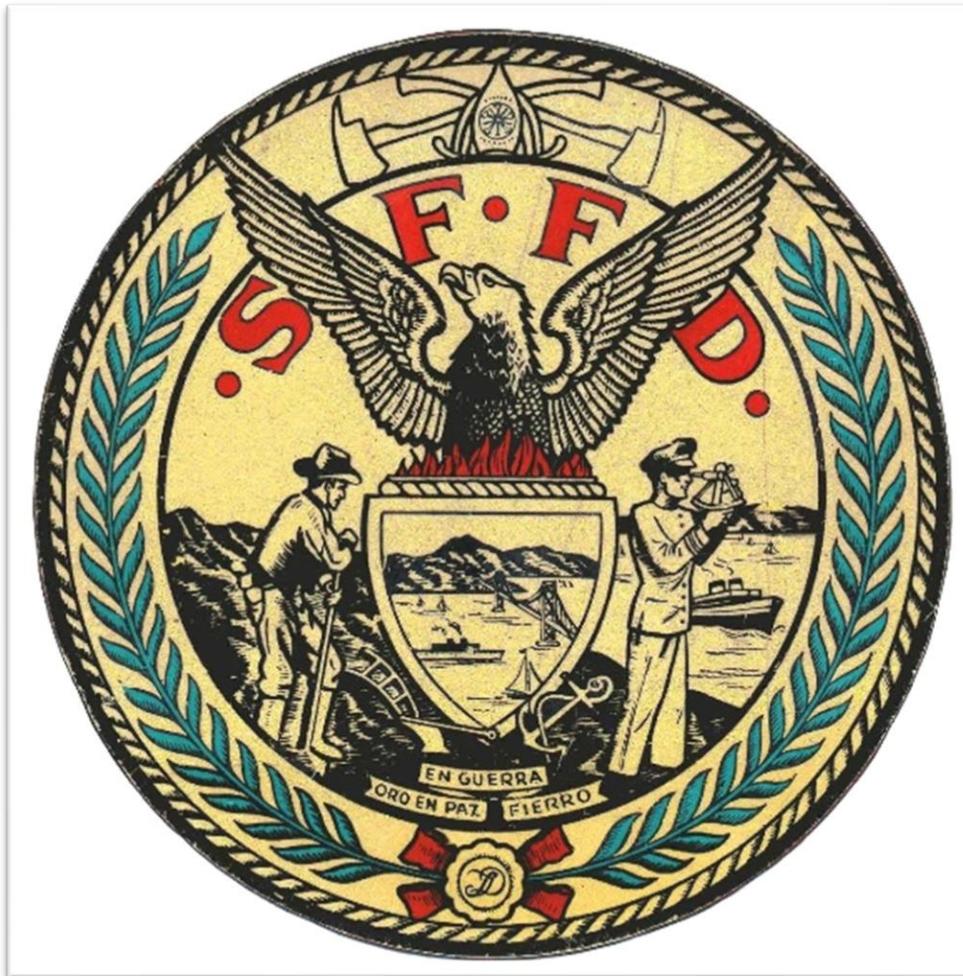


***Earthquake Safety and Emergency Response (ESER) Bond***  
***Assistant Deputy Chief Garreth Miller***  
***July 2023***

- Neighborhood Fire Stations – The generator upgrade project for stations 37 and 44 is awaiting permit issuance before equipment is ordered. The permit application was found to be incomplete. Public Works has been advised of the need to submit a completed application.
- Fire Station 15 Hose Tower Removal is awaiting the completion of construction documents. Public Works advises the documents are 75% complete and are promised for September. Completion of construction documents was promised for May, 2023.
- Fire Station 35 – Consultations with the Bay Conservation and Development Commission continued in the attempt to get approval for modifications to the fencing and improve the security of the station.
- Network Improvement Project – Site surveys continued with a goal of completion in August. Architectural drawings and specifications will need to be completed and approved by SF Planning. Early 2024 is the target to begin the construction phase of the project.
- Fire Training Facility
  - Requested engineers to evaluate PUC MOU Loading Restrictions. A meeting is planned for August to resolve differences in proposed language including required inspections of PUC Facilities and the cost of the inspections .
  - Discussion of the street vacation of Griffith Street with California State Parks representatives continued without resolution.
  - The SF City Attorney approved the agreement for the executive architect, RDC Architecture. The next step is SF Board of Supervisors approval.
- ESER Captain – Captain Mike Day returned to the field and is working at Station 39. Captain Jose Zalba was selected as Captain ESER Project Manager



# Human Resources





***Human Resources***  
***Maryann Poon***  
***July 2023***

Employee Actions

Reporting the following PERMANENT EXEMPT appointment effective July 22, 2023:

*H-53 EMS Chief*

Tangherlini, Niels L. (vice: ASO Authorized)

Pang, Simon (vice: ASO Authorized)

Reporting the following PERMANENT PROBATIONARY appointment effective July 17, 2023:

*H-3 Level 2 Paramedic*

Choi, Caleb (vice: Mark Murphy)

Nguyen, Richson (vice: Lorenzo Ibarra)

Oken, Harrison T. (vice: Sean Lavelle)

Shelp, Amelia R. (vice: Brent Marks)

Young, Anja (vice: Daniel McAtee)

Reporting the following PERMANENT PROBATIONARY appointment effective July 25, 2023:

*1934 Storekeeper*

Fong, Andrew (vice: Jerry Wong)

Reporting the following PERMANENT PROBATIONARY appointment effective August 5, 2023:

*H-6 Investigator*

Gutierrez, Richard (vice: Edward Labrado)

Keehn, Theodore (vice: Stephen Engler)

*H-20 Lieutenant*

Ray-Rohan, Chris (vice: Lenette Thompson)

Doudiet, Holly (vice: Bruno Walther)

Reporting the following PERMANENT (reinstatement) appointment effective August 5, 2023:

*H-4 Inspector*

O'Hara, Mark (vice: Thomas Mannion)

Reporting the following PERMANENT PROBATIONARY appointment effective August 7, 2023:

*1934 Storekeeper*

Lozano, Joseph (vice: George Watkins)

Retirements

Communication received from Retirement Board indicating the following member has retired:

<i>Name</i>	<i>Rank</i>	<i>Retirement Date</i>
Erickson, Bryan	H2	February 24, 2021

Separations

<i>No. of Members</i>	<i>Rank</i>
1	H3 EMT/Firefighter/Paramedic
1	0953 Deputy Director III

*Human Resources*  
*Lucy Chu*  
*July 2023*

**Leaves of Absence with Pay**

Submitting requests for leaves of absence with pay for the time period from October 2022 through September 2023 for the following:

<i>No. of Members</i>	<i>Rank</i>	<i>Total Amount of Leave (Days)</i>
1	Chief Officer	3
1	H33 Rescue Captain	132
6	H20 Lieutenant	68
1	BFP Staff	6
10	H3 EMT/PM/FF PM	38
13	H2 Firefighter	56
3	Civilian	22
	<b>Total Number of Days with Pay</b>	<b>325</b>

**Intermittent Leaves with Pay**

Submitting requests for intermittent leaves with pay for the time period from February 18, 2023 through September 13, 2024 for the following:

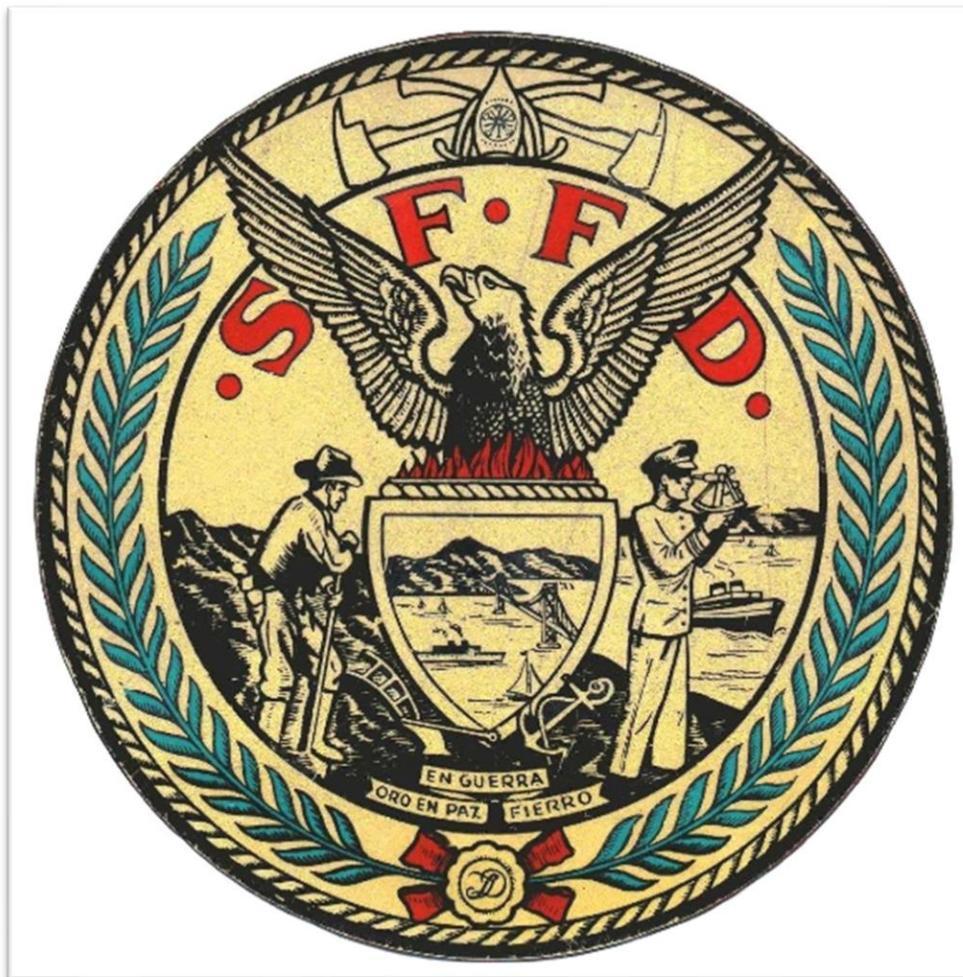
<i>No. of Members</i>	<i>Rank</i>	<i>Dates of Leave</i>	
2	Chief Officer	Jul. 24, 2023	- Jun. 12, 2024
1	H33 Rescue Captain	Jun. 1, 2023	- Dec. 31, 2023
2	H20 Lieutenant	Jul. 26, 2023	- Aug. 2, 2024
2	BFP Staff	Jul.27, 2023	- Aug. 3, 2024
5	H3 EMT/PM/FF PM	Feb 18, 2023	- Aug. 15, 2024
9	H2 Firefighter	Jul. 1, 2023	- Sept. 13, 2024

**Leaves of Absence without Pay**

Submitting requests for leaves of absence without pay for the period from August 2023 through August 2023 for the following:

<i>No. of Members</i>	<i>Rank</i>	<i>Total Amount of Leave (Days)</i>
1	H3 EMT/PM/FF PM	6
	<b>Total Number of Days without Pay</b>	<b>6</b>

# Public Information Office





**Public Information Officer**  
**Capt. Jonathan Baxter**  
**July 2023**

**REVOLVING MONTHLY OUTREACH**

- Multiple Public Safety announcements were provided throughout the month covering Surf Safety items to use a Fire Extinguisher. For more real-time notifications, we encourage you to monitor our Twitter account at @sffdpio
- Engine companies continue to pass fire prevention and education material on calls or the public. This material is now available on our website in multiple languages. To download, visit: [www.sffire.org](http://www.sffire.org)
- Coastal Rescue companies continue to give Surf Hazard Education to the community while on calls or while out in public (Targeted to Ocean Beach Area)
- Cliff Rescue units provide rescue and animal safety community outreach in areas like Fort Funston.
- Sign up for emergency notifications by texting "**ALERTSF**" to this number: 888-777
- Recruitment efforts towards all populations continue.
- "See the Red Lights Pull to the Right" campaign for yielding to emergency vehicles is striking comments from the public regarding what to do when they see an emergency vehicle.
- Bicycle safety messages on social media and public areas promote safe riding habits, wearing helmets, following traffic laws, yielding to pedestrians and emergency vehicles, and more. These efforts are to help reduce bicycle-related accidents and injuries.
- Pedestrian Safety and distracted driver safety messages on social media: "Look don't like" (referring to texting), yield to pedestrians, and share the road with a bicyclist, to name a few.
- P.E.T. safety tips for fire and environment-related issues are placed on social media and shared with media outlets. Examples include: Do not forget your pets when making a home, work escape, or disaster plan."
- Cliff and hiking safety messaging on social media helps reduce falls, entrapments, and rescue incidents.
- Information on the station rebuilds and the **ESER 2014 BONDS** has been posted on social media to help keep the community informed.
- The Department has joined a national fire Service campaign: "**Close your Door before you Doze.**" These efforts encourage closing bedroom doors at sleep to increase your chances of survival or saving during a fire. The temperature outside a door can be 1000 degrees, and in the bedroom with a closed door, 100 degrees.
- The Department has teamed up with D.E.M. to promote "When to Call
  
- 911" campaign to help reduce non-emergency calls to 911.
- The Department worked with SF-Environment to promote fire extinguisher disposal.
- The Department assisted SF-Environment with battery safety information and disposed of them properly. When improperly disposed of, old batteries can cause fires. To learn more, visit: [www.sfbatterysafe.org](http://www.sfbatterysafe.org)

## **JULY-SPECIFIC OUTREACH BY THE PIO**

- Vision Zero topics such as walking, biking, driving
- Share the road with emergency vehicles
- Lightning safety tips
- Listos and NERT awareness
- Pet evacuation tips
- Pet safety during fires and heat
- Emergency worker's safety tips
- Bike safety
- Pedestrian Safety
- Weather safety tips
- PSPS awareness
- Fire Extinguisher Safety
- COVID-19 Safety and info
- Tent Safety info to various locations
- MUNI – Safety program
- Narcan Safety with University (new law for schools)
- Reconfiguration for Community Paramedics with DPH/MYR/SFPD/DEM and CBO
- Red Cross safety messaging items with PIO
- Coffee with Public Safety events (PIO)
- EMS Hiring events
- FIRE hiring events
- Lithium-Ion Battery Safety
- E-Bike Safety
- E-Scooter Safety
- E-skate board Safety
- Electrical Safety
- RV/Camper Safety materials

## **JULY MEDIA CLIPS**

**CLICK FOR [MEDIA CLIPS FROM JULY 2023](#)**

Total National TV Audience: 2,606,356  
Total National TV Publicity USD 832,310  
Total Local TV Audience: 1,731,219  
Total Local TV Publicity USD 751,464  
Total Radio Audience 11,586,368  
Total Publicity Value USD 27,431  
Total Online News Audience 1,061,436,386  
Total Online News Publicity USD 14,583,939

**INCIDENTS THAT THE PIO COVERED/RESPONDED TO:**

**\*\*\* This is NOT a complete list of calls for service; it reflects only the Calls the P.I.O. responded to/covered\*\*\***

**FIRE INDEX: 1-ALARM—2-ALARM—3-ALARM—4-ALARM—5 ALARM—SIB  
SMOKE/SMALL FIRE IN BLDG**

**RESCUE INDEX: WATER-RELATED—LAND-RELATED**

• EMS 5,045

- FIRE 3,283
  - o 1-ALARM: 21
  - o 2-ALARM: 01
- FIRE/EMS 5,711
  - o *Water rescue/drowning* 21
  - o Outside Fires 510
  - o Behavioral Emergency 989
  - o Overdoses 585
  - o Gas Leaks 81
  - o Mutual Aid 0
- Total: 14,039

1. 07/01/2023 09:58 674 4TH AV
2. 07/01/2023 15:35 MARSHAL BEACH PRESIDIO
3. 07/01/2023 18:20 1725 FULTON ST
4. 07/01/2023 19:41 80 ESTERO AV
5. 07/02/2023 09:41 ALERT 2 SFO ACTIVATION
6. 07/02/2023 15:26 3125 CESAR CHAVEZ ST
7. 07/04/2023 18:21 260 THRIFT ST
8. 07/04/2023 20:05 CHINA BEACH CLIFF RESCUE
9. 07/05/2023 16:33 266 FARALLONES ST
10. 07/06/2023 15:21 570 SILVER AV
11. 07/07/2023 14:36 899 MARKET ST
12. 07/08/2023 04:28 1527 48TH AV
13. 07/08/2023 07:00 POWELL ST BART
14. 07/08/2023 13:03 BAY RESCUE GIANTS STADIUM
15. 07/08/2023 14:33 POINT LOBOS BAY RESCUE
16. 07/08/2023 15:58 CROCKER AMAZON WILDLAND FIRE
17. 07/08/2023 20:40 2100 PACIFIC MANHOLE COVER EXPLOSION

18. 07/08/2023 21:36 1390 MARKET ST
19. 07/10/2023 09:52 CIVIC CENTER BART
20. 07/10/2023 15:54 3962 20TH ST
21. 07/10/2023 20:30 SFO ALERT 2 SFO ACTIVATION
22. 07/11/2023 13:16 PIER 41 BAY RESCUE
23. 07/11/2023 16:14 149 JULIAN AVE
24. 07/12/2023 16:19 MARSHAL'S BEACH BEACH RESCUE
25. 07/13/2023 16:52 MILE ROCK OVERLOOK
26. 07/14/2023 03:51 1030 POST ST
27. 07/16/2023 04:29 701 HAIGHT ST
28. 07/17/2023 16:44 ALERT 2 SFO ACTIVATION
29. 07/17/2023 20:17 CORTLAND AND BAYSHORE OUTSIDE FIRE
30. 07/19/2023 16:57 101 NB YELLOW ALERT MCI
31. 07/20/2023 18:28 5060 MISSION ST
32. 07/21/2023 12:52 1310 GATEWAY ENTRAPMENT
33. 07/22/2023 16:16 1761 PAGE ST
34. 07/23/2023 12:50 100 SUSSEX GAS LEAK
35. 07/25/2023 07:00 MCCOVEY COVE BAY RESCUE
36. 07/25/2023 03:14 475 THE EMBARCADERO SOUTH PIER 28
37. 07/25/2023 15:35 WALLER / FILMORE TREES DOWN
38. 07/25/2023 15:52 FORT FUNSTON DOG RESCUE
39. 07/26/2023 00:32 1625 BALBOA ST
40. 07/27/2023 20:40 1242 19TH AV
41. 07/27/2023 14:50 ALERT 2 SFO ACTIVATION
42. 07/27/2023 17:09 74 DAKOTA ST
43. 07/29/2023 19:08 948 OAK ST
44. 07/30/2023 PIER 30 BAY RESCUE
45. 07/31/2023 01:02 3RD ST / CHANNEL MUNI INCIDENT

#### **SOCIAL MEDIA RESPONSES:**

1. Twitter: *"Thank you @SFFDPIO for getting here quick and making sure a small fire stayed small. #lowerhaight"*
2. Facebook: *"Thank you for saving our shared history."*
3. Instagram: *"Thank you! SFFD has one of the most difficult jobs in the nation!"*
4. Citizen App: *"The fire trucks came and put the fire out"*
5. Threads: *"Awww! Nicely done!"*

**FUNCTIONS:**

*(M.O.D. = daily operational duties)*

1. MOD - Youth outreach engine based
2. MOD - Listos programs
3. MOD - NERT programs
4. MOD - Coastal safety outreach events
5. MOD - School visits
6. MOD - Community-Based Organizations (C.B.O) visits
7. MOD - Outreach on wildland fire safety
8. MOD - Fire Preparedness events by the P.I.O.
9. Youtube – [SFFD MTA MUNI Safety](#)
10. Youtube – [National Anthem by FF Kat Boston](#)
11. Youtube – [Seconds Matter – Know your public information sources](#)
12. Youtube – [Don't be a Bystander](#)
13. Youtube – [A Simple Message can save a life](#)
14. Youtube – [Firefighter Kat Boston sings National Anthem at SF Giants game](#)
15. Youtube – [Igniting the Flame](#)
16. Youtube – [Mariano Elias recruitment video](#)
17. Youtube – [Firefighting Shipboard Response](#)