



ORANGE COUNTY FIRE AUTHORITY AGENDA

Operations Committee Regular Meeting

Tuesday, May 9, 2023

12 noon

Orange County Fire Authority
Regional Fire Operations & Training Center

Classroom 1
One Fire Authority Road
Irvine, CA 92602

Committee Members

Anne Hertz-Mallari, Chair
Joe Kalmick • John O'Neill • Vince Rossini
Dave Shawver • Chris Duncan • Bob Ruesch

NOTICE REGARDING PUBLIC ACCESS AND PARTICIPATION

This meeting is open to the public. Committee members will participate in person. There are several alternative ways to make comments including:

In Person Comments at Meeting: Resolution No. 97-024 established rules of decorum for public meetings held by the Orange County Fire Authority. Resolution No. 97-024 is available from the Clerk of the Authority.

Any member of the public may address the Committee on items within their subject matter jurisdiction, but which are not listed on this agenda during PUBLIC COMMENTS. However, no action may be taken on matters that are not part of the posted agenda. We request comments made on the agenda be made at the time the item is considered and that comments be limited to three minutes per person. Please address your comments to the Committee and do not engage in dialogue with individual Board Members, Authority staff, or members of the audience.

If you wish to speak, please complete a Speaker Form identifying which item(s) you wish to address. Please return the completed form to the Clerk of the Authority prior to item being considered. Speaker Forms are available at the entryway of meeting location.

E-Comments: Alternatively, you may email your written comments to coa@ocfa.org. E-comments will be provided to the Committee members upon receipt and will be part of the meeting record as long as they are received during or before the Committee takes action on an item. Emails related to an item that are received after the item has been acted upon by the Committee will not be considered.

This Agenda contains a brief general description of each item to be considered. Except as otherwise provided by law, no action or discussion shall be taken on any item not appearing on the following Agenda. Unless legally privileged, all supporting documents, including staff reports, and any writings or documents provided to a majority of the Committee members after the posting of this agenda are available for review at the Orange County Fire Authority Regional Fire Operations & Training Center, 1 Fire Authority Road, Irvine, CA 92602 or you may contact the Clerk of the Authority at (714) 573-6040 Monday through Thursday, and every other Friday from 8 a.m. to 5 p.m. and available online at <http://www.ocfa.org> under Board & Committee Agendas/Minutes.



In compliance with the Americans with Disabilities Act and [Board of Directors policy](#), if you need reasonable accommodations to participate in this meeting, please complete the [ADA Reasonable Accommodation Form](#) available on the Agency's website and email to COA@ocfa.org, or you may contact the Clerk of the Authority at (714) 573-6040 during regular business hours to submit your request orally. Please notify us at least 48 hours prior to the meeting to enable the Authority to make reasonable arrangements to assure accessibility to the meeting.

CALL TO ORDER - Chair Hertz-Mallari

PLEDGE OF ALLEGIANCE - Director Ruesch

ROLL CALL - Clerk of the Authority

PUBLIC COMMENTS

Please refer to instructions on how to submit a public comment on Page 1 of this Agenda.

1. PRESENTATION

- Quarterly Update by Deputy Chief McGovern

2. CONSENT CALENDAR

All matters on the consent calendar are considered routine and are to be approved with one motion unless a director or a member of the public requests separate action on a specific item.

A. Minutes for the Operations Committee Meetings

Submitted by: Maria Huizar, Clerk of the Authority

The record will reflect that any Director not in attendance at the meeting of the Minutes will be registered as an abstention, unless otherwise indicated.

Recommended Actions:

Approve the Minutes for the February 14, 2022, Regular Meeting as submitted.

3. DISCUSSION CALENDAR

A. Election of Committee Chair and Vice Chair

Submitted by: Robert Cortez, Assistant Chief/Business Services Department and Maria D. Huizar, Clerk of the Authority

Recommended Action:

Elect a Chair and Vice Chair for 2023.

B. Update on New Fire Hawk S70M Helicopters

Submitted by: TJ McGovern, Deputy Chief/Emergency Operations Bureau and Tim Perkins, Assistant Chief/Field Operations South

Recommended Action:

Receive and file the report.

REPORTS

No items.

COMMITTEE MEMBER COMMENTS

ADJOURNMENT – The next regular meeting of the Operations Committee is scheduled for Tuesday, August 8, 2023, at 12:00 p.m.

AFFIDAVIT OF POSTING

I hereby certify under penalty of perjury and as required by the State of California, Government Code § 54954.2(a), that the foregoing Agenda was posted in the lobby and front gate public display case of the Orange County Fire Authority, Regional Fire Operations and Training Center, 1 Fire Authority Road, Irvine, CA, not less than 72 hours prior to the meeting.

Maria D. Huizar, CMC
Clerk of the Authority

FUTURE AGENDA ITEMS – THREE-MONTH OUTLOOK:

- Operations Quarterly Update
- Emergency Command Center Update

UPCOMING MEETINGS:

Budget and Finance Committee
Executive Committee
Board of Directors

Wednesday, May 10, 2023, 12 noon
Thursday, May 25, 2023, 5:30 p.m.
Thursday, May 25, 2023, 6:00 p.m.

Operations Committee Quarterly Update

**February – April
2023**



Total incidents this quarter: 42,453 / * 43,293

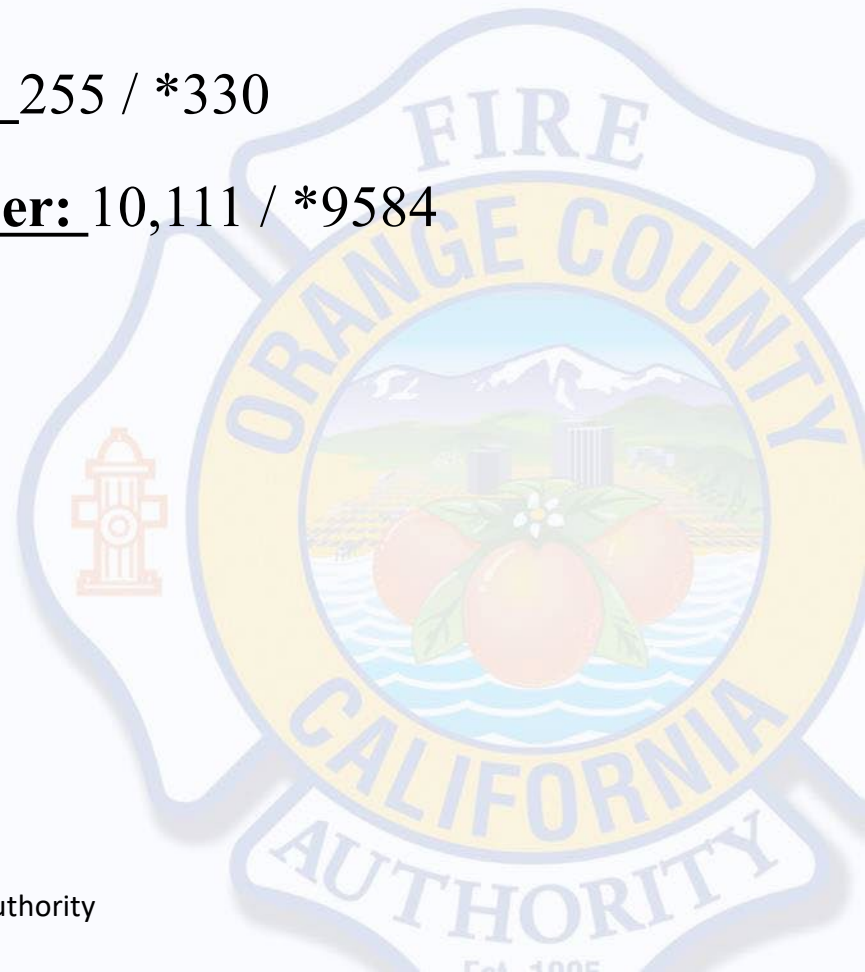
Medical/Rescue: 31,514 / *32,792

Fires: 573 / *587

Hazardous Conditions/Ruptures: 255 / *330

Service/False/Good Intent/Weather: 10,111 / *9584

* Last Quarter



Orange County Fire Authority
Emergency Command Center
February 2023 Statistical Summary

Incident Activity		ORC	TOTAL
		13,296	14,428
9-1-1 Performance		%	Target ^(a)
Answer time ≤ 15 secs		99.85%	95%
Answer time ≤ 40 secs		100%	99%

Call Processing		Call Entry	Dispatch	Total Call Processing	Target ^(a)
Core Calls	90 th Percentile	:46	:19	1:01	1:04

^(a) 2019 NFPA 1221– Section 7.4.1 - Standard for the Installation, Maintenance, and Use of Emergency Services Communications

Orange County Fire Authority
Emergency Command Center
March 2023 Statistical Summary

Incident Activity		ORC	TOTAL
		14,517	15,781
9-1-1 Performance		%	Target ^(a)
Answer time ≤ 15 secs		99.79%	95%
Answer time ≤ 40 secs		100%	99%

Call Processing		Call Entry	Dispatch	Total Call Processing	Target ^(a)
Core Calls	90 th Percentile	:44	:19	:59	1:04

^(a) 2019 NFPA 1221– Section 7.4.1 - Standard for the Installation, Maintenance, and Use of Emergency Services Communications

Orange County Fire Authority
Emergency Command Center
April 2023 Statistical Summary

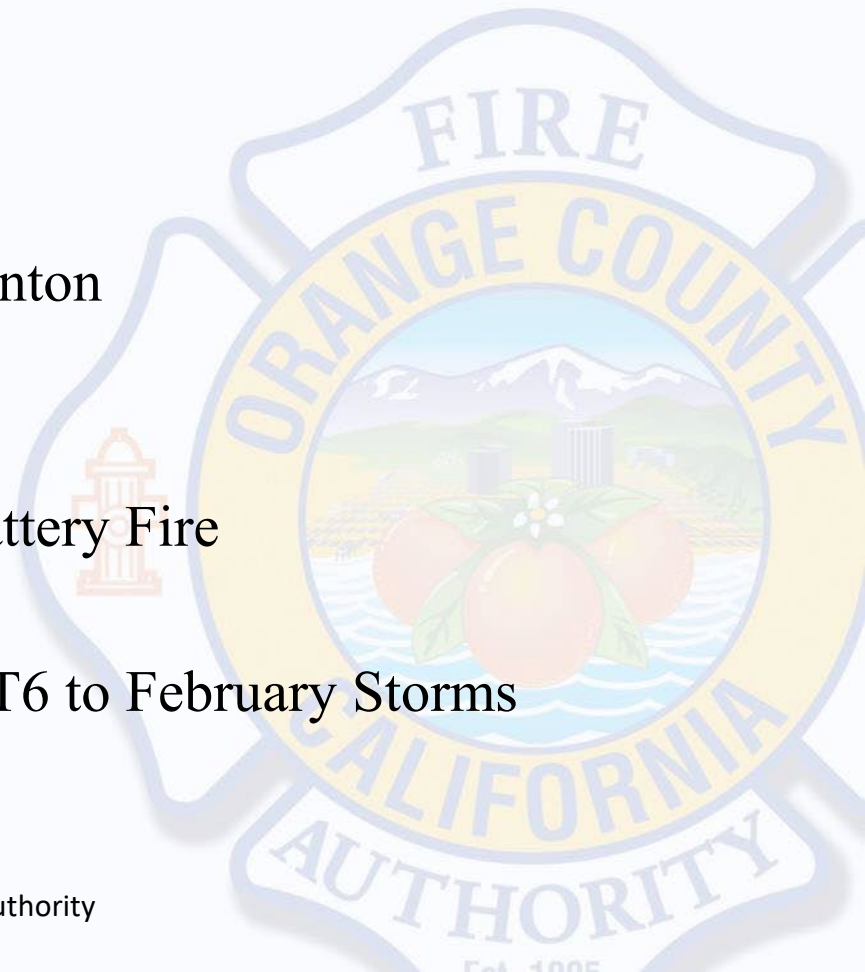
Incident Activity		ORC	TOTAL		
		13,571	14,673		
9-1-1 Performance		%	Target ^(a)		
Answer time ≤ 15 secs		99.89%	95%		
Answer time ≤ 40 secs		100%	99%		
Call Processing		Call Entry	Dispatch	Total Call Processing	Target ^(a)
Core Calls	90 th Percentile	:44	:20	:59	1:04

^(a) 2019 NFPA 1221– Section 7.4.1 - Standard for the Installation, Maintenance, and Use of Emergency Services Communications

Orange County Fire Authority

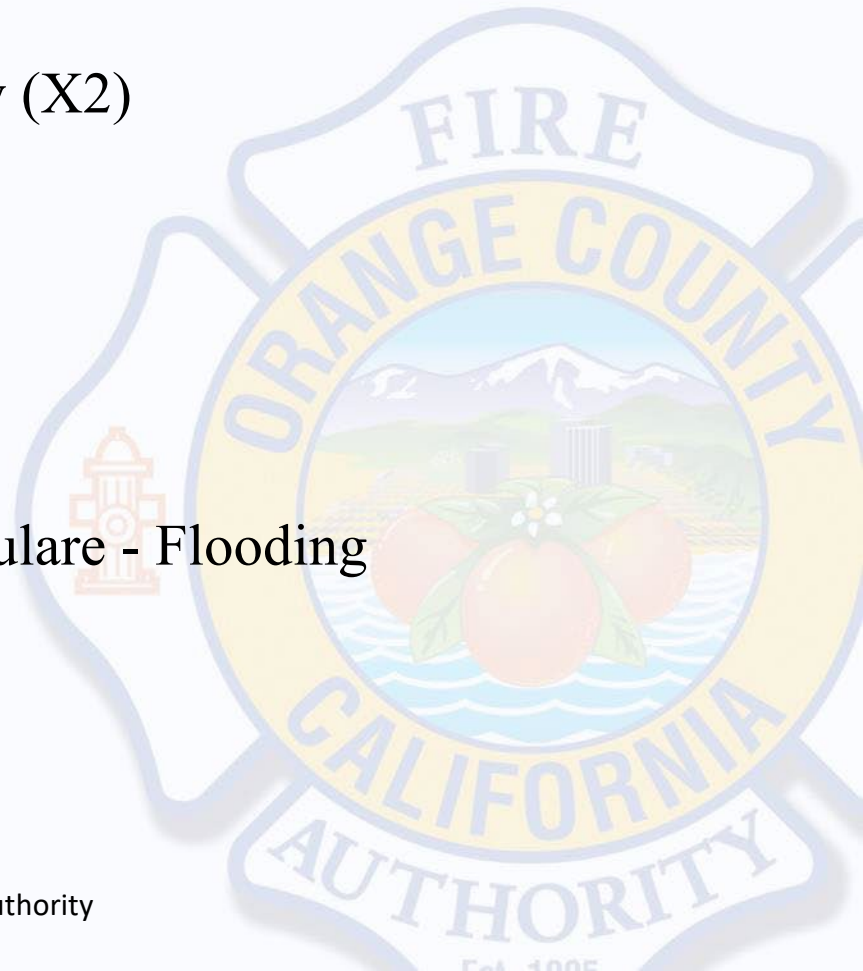
February:

- 2nd Alarm in Tustin
- Traffic Accident – WST – 3 fatalities
 - CISM / Peer Support Activated
- TCCR / MCI 6 patients
- 3rd Alarm Apartment Complex in Stanton
- OES Pre Position - Mud and Debris
- 3rd Alarm Laguna Hills – Lithium Battery Fire
- Santiago / El Toros Crews and OES T6 to February Storms in San Bernadino



March:

- SWR Team to Northern California / Flooding
- OES Pre Position Mud/Debris Flow (X2)
- Mud Slide in SCL
- 3rd Alarm in Santa Ana – Haz Mat
- CAL Fire IMT Team members to Tulare - Flooding



April:

- 2nd Alarm Fire in Buena Park
- 2nd Alarm Fire in Garden Grove
- 2nd Alarm Fire in Rancho Santa Margarita



Academies

Recruit:

- A57: In progress
- A58: July–December 2023
- A59: February–June 2024

F AE:

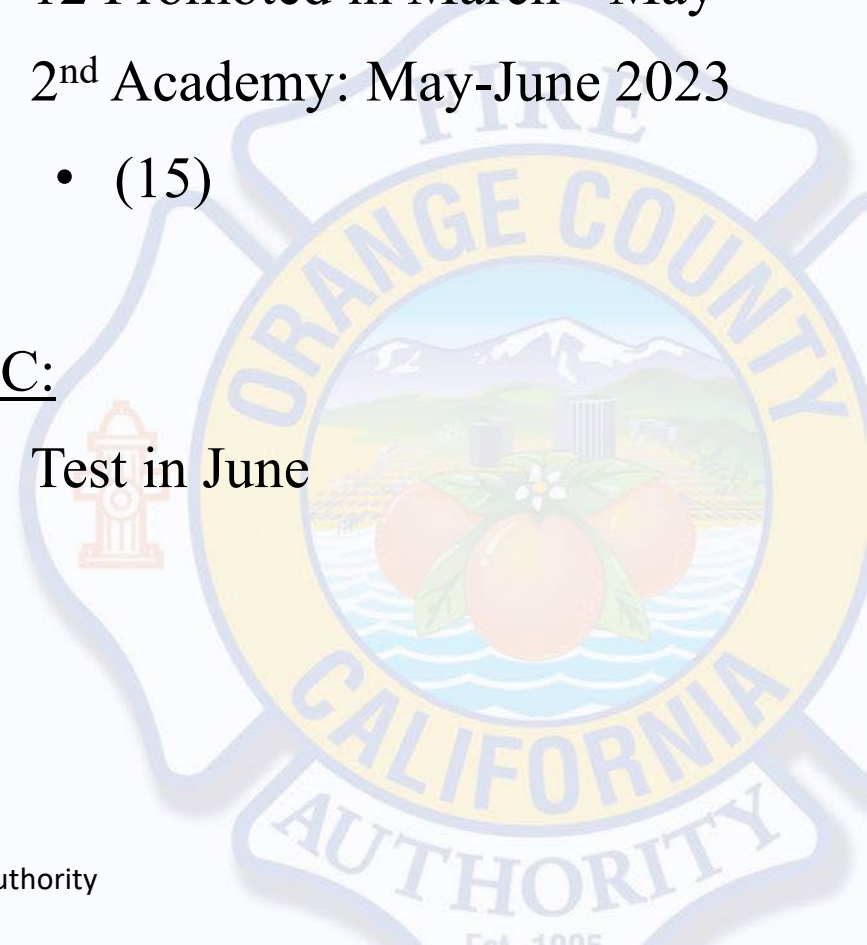
- 22 Promoted in March
- 2nd Academy: June-Aug 2023
 - (20)

Fire Captain:

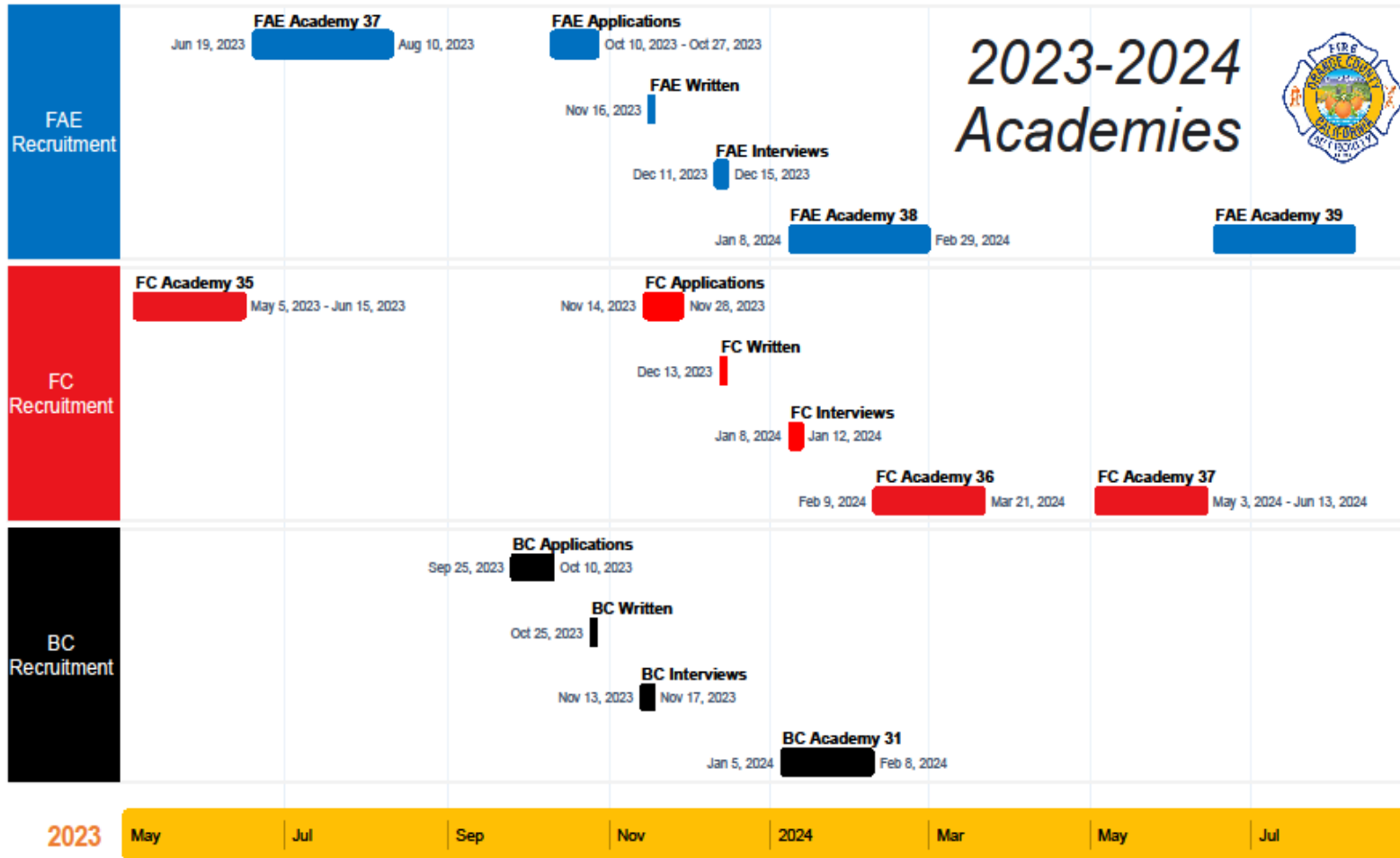
- 12 Promoted in March - May
- 2nd Academy: May-June 2023
 - (15)

DC:

- Test in June



Projected Academies



Dates are subject to change, dependent upon organizational needs

Staffing Update / Vacant Positions

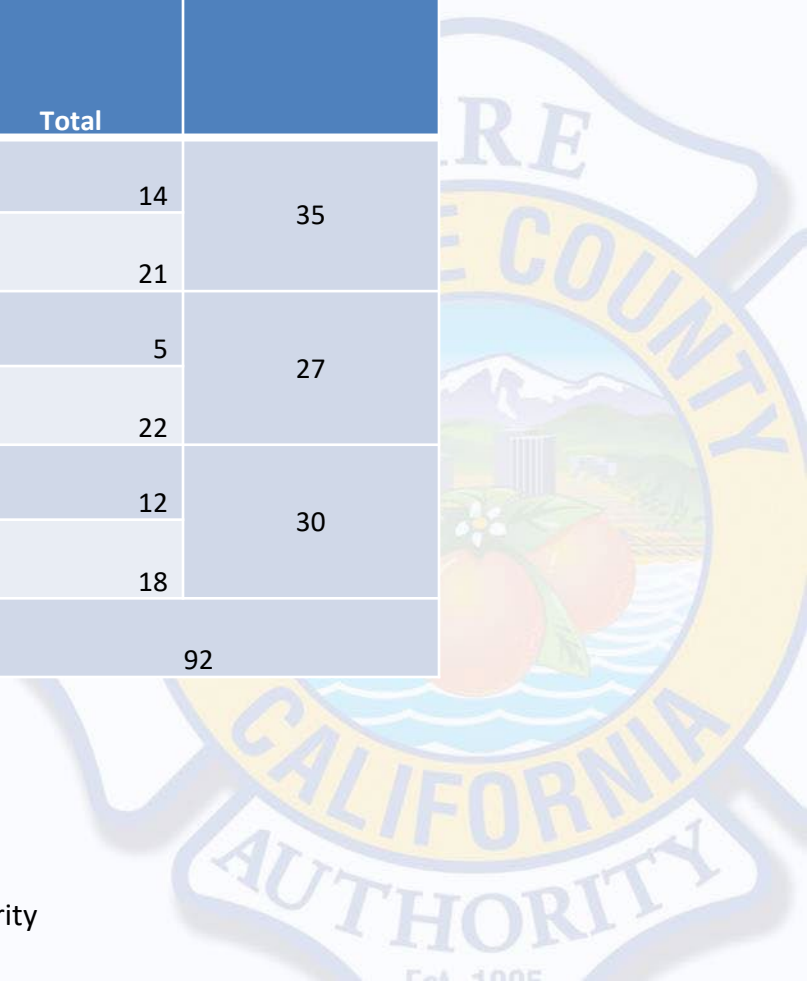
5/1/2023

- FF: -9
- FF/PM: -6
- FAE: -8
- FC: -20
- Total off on W/C: 92



Workers Comp

	Short-Term W/C	Long-Term W/C (Off-Seat)	Total	
FF/PM	7	7	14	35
FF/BLS	10	11	21	
FAE/PM	5	0	5	27
FAE/BLS	14	8	22	
FC/PM	10	2	12	30
FC/BLS	9	9	18	
			92	



Questions?



MINUTES ORANGE COUNTY FIRE AUTHORITY

**Operations Committee Regular Meeting
Tuesday, February 14, 2023
12 Noon**

**Regional Fire Operations and Training Center
Board Room
1 Fire Authority Road
Irvine, CA 92602**

CALL TO ORDER

A regular meeting of the Orange County Fire Authority Operations Committee was called to order on February 14, 2023, at 12:02 p.m. by Chair Anne Hertz-Mallari.

PLEDGE OF ALLEGIANCE

Director O'Neill led the Assembly in the Pledge of Allegiance to the Flag.

ROLL CALL

Anne Hertz, Mallari, Cypress, Chair
Sandy Rains, Laguna Niguel, Vice Chair
Joe Kalmick, Seal Beach
John O'Neill, Garden Grove
Vince Rossini, Villa Park

ABSENT Dave Shawver, Stanton

Also present were:

Deputy Chief Lori Zeller
Assistant Chief Jim Ruane
Assistant Chief Rob Capobianco
Communications Director Matt Olson
Clerk of the Authority Maria D. Huizar

Deputy Chief TJ McGovern
Assistant Chief Shane Sherwood
Assistant Chief Tim Perkins
Assistant Chief Stephanie Holloman
Assistant Counsel Michael Daudt

PUBLIC COMMENTS

Chair Hertz-Mallari opened and closed the Public Comments portion of the meeting without any comments from the general public.

1. PRESENTATION (FILE 12.02F1)

Deputy Chief TJ McGovern provided the Quarterly Update November – January 2023.

2. CONSENT CALENDAR

On motion of Director Rains and second by Director O'Neill, and following a unanimous vote by acclamation approved 5-0 (Director Shawver absent).

A. Minutes for the Operations Committee Meetings (FILE 12.02F2)

Action: Approve the Minutes for the November 8, 2022, Regular Meeting as submitted.

3. DISCUSSION CALENDAR

A. Election of Committee Chair and Vice Chair (FILE 12.02F1)

On motion by Director Rains and second by Director O'Neill; and following a unanimous vote by acclamation, deferred the Election of Chair and Vice Chair to the May 9, 2023, Regular Operations Committee Meeting.

B. Introduction to the Training Department (FILE 12.02F1)

Assistant Chief Rob Capobianco provided the Introduction to the Training Department, followed by a site tour of the OCFA training facilities.

REPORTS

No items.

COMMITTEE MEMBER COMMENTS

None.

ADJOURNMENT – Chair Hertz-Mallari adjourned the meeting at 1:36 p.m. in memory of Retired Division Chief Ron Roberts. The next regular meeting of the Operations Committee is scheduled for Tuesday, May 9, 2023, at 12:00 p.m.

Maria D. Huizar, CMC
Clerk of the Authority



Orange County Fire Authority
AGENDA STAFF REPORT

Operations Committee Meeting
May 9, 2023

Agenda Item No. 3A
Discussion Calendar

Election of Committee Chair and Vice Chair

Contact(s) for Further Information

Robert Cortez, Assistant Chief Business Services Department	robertcortez@ocfa.org	714.573.6012
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Maria D. Huizar, Clerk of the Authority	mariahuizar@ocfa.org	714.573.6041
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Summary

The Rules of Procedure includes provisions for the election of a Chair and Vice Chair.

Prior Board/Committee Action

On February 14, 2023, the Operation Committee deferred the Election of Chair and Vice Chair to the May 9, 2023, Regular Operations Committee Meeting by acclamation (Director Shawver absent).

RECOMMENDED ACTION(S)

Elect a Chair and Vice Chair for 2023.

Impact to Cities/County

None.

Fiscal Impact

None.

Background

The Rules of Procedure adopted by the Board of Directors includes a provision for election of the Chair and Vice Chair, as follow:

“RULE 10. THE STANDING COMMITTEES

Section (e)(2) At the first meeting of the Operations Committee following the annual election of the Chair and Vice Chair of the Board of Directors, the Directors assigned to the Operations Committee shall elect from their members a Chair and Vice Chair of the Committee.”

The Chair may call for nominations for the 2023 Chair and/or Vice Chair positions, close the nominations, vote on the matter and declare the results.

Attachment(s)

None.



Orange County Fire Authority
AGENDA STAFF REPORT

Operations Committee Meeting
May 9, 2023

Agenda Item No. 3B
Discussion Calendar

Update on New Fire Hawk S70M Helicopters

Contact(s) for Further Information

TJ McGovern, Deputy Chief
Emergency Operations Bureau

tjmcgovern@ocfa.org

714.573.6006

Tim Perkins, Assistant Chief
Field Operations South

timperkins@ocfa.org

949.702.3868

Summary

This item is submitted to provide an update on the new OCFA Fire Hawk S70M Helicopters. The Air Operations S70M Configuration team has met with United Rotorcraft multiple times refining the configuration of the aircraft. Both aircraft were painted in Decatur, Texas in February before arriving at United Rotorcraft in Englewood, Colorado. The team has recently completed the Critical Design Review (CDR) to ensure every detail has been met. The team also traveled to Bend, Oregon to meet with the manufacturing team from Kawak Aviation Technologies. They are the manufacturer of the 1000-gallon tank designed specifically for our two aircraft. Our team will continue to monitor the progress as the Blackhawks will transform into the Fire Hawks.

Prior Board/Committee Action

Not Applicable.

RECOMMENDED ACTION(S)

Receive and file the report.

Impact to Cities/County

Not Applicable.

Fiscal Impact

Not Applicable.

Background

Hospital Update

Mission Hospital - Air Operations staff have met five separate times in 2023. Mission Hospital hired their original heliport designer, Ricarda Bennett. The team continued to research landing options around the Mission Hospital campus. Mission Hospital tasked Ricarda with reviewing the original design and the engineering that went into the roof top helipad. At our February 23rd meeting, Ricarda reported the roof top helipad was engineered and structurally sound to hold the weight needed for a type 1 helicopter. They are currently reviewing what the costs would be to retrofit the current type 2 helipad to a type 1.

OC Global - The team continues to communicate with OC Global personnel. Progress was slowed due to a key employee going on paternal leave and then ultimately resigning from the hospital. We have recently contacted the CEO of OC Global and the new Facilities Manager. Our intent is to continue to have conversations regarding their ground-based helipad.

UCI - In February, our team was notified that UCI hospital has hired a heliport designer to review their ground based helipad. It was stated they have developed the scope of work to identify the requirements needed to upgrade their helipad.

CHOC - CHOC has two roof top helipads that are both rated for type 2 helicopters and rated for 15,000 lbs. With the infrequent flights from remote rescues, CHOC has indicated they do not plan to retrofit their current pads.

Saddleback College – Air Operations personnel and Mission Hospital trauma staff met with Campus Police discussing two landing zone options. The group discussed the patient transfer plan and approved both locations that Saddleback Campus Security provided. Air Operations and Mission Hospital staff both agree the location selected will be best suited for any incidents requiring patients to be air lifted in South County.

North Net Training Facility- North Net Training facility in Anaheim has an established and permitted Type 1 helipad. The facility is operated primarily by the Anaheim and Orange City Fire departments. This location will serve as our North County option for patient transfers to UCI hospital.

Fire Station 41 Helipad Update – Our property management section has begun some improvements to our existing facility at Fullerton Airport. We have remodeled the space in the hangar to include a large training classroom, new office space for the Chief of Maintenance and helicopter managers.

Helitender Support Vehicles - OCFA currently has a refueling capacity from Helitender 41, Helitender 241 and our underground tank at Fullerton Airport. The helitenders are staffed with reserves that will drive to a predetermined location near the fire to refuel the helicopter. A fuel cycle for the S70M is averaged between 2 to 2 ½ hours. Pilots will typically fly for three to four fuel cycles (7-8 hours) before we need to rotate crews. The maximum allowable flying at night is six hours under night vision goggles.

Helitender 41	900 gallons	Averages out to 3 fuel cycles
Helitender 241	1850 gallons	Averages out to 6 fuel cycles
Under Ground Tank	10,800 gallons	Averages out 40 fuel cycles

We will be looking at acquiring a larger helitender in the near future. A 4500 gallon helitender would be a more appropriate vehicle that would allow for 15 fuel cycles. Air Operation staff have been looking at a helitender from LAFD as they stated they were looking to surplus it. However, with the ability to staff two helitenders and having our own fuel tank at Fullerton Airport, we will be operationally ready to fly continuously on any extended attack vegetation fire.

Attachment(s)

None

OCFA Air Operations

Tim Perkins

Assistant Chief

Field Operations South

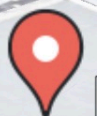
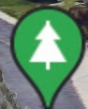


Video Here....



Orange County Fire Authority

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Helipad

Providence Mission
Hospital Mission Viejo...

Mission
Hospital

CHOC
Children's

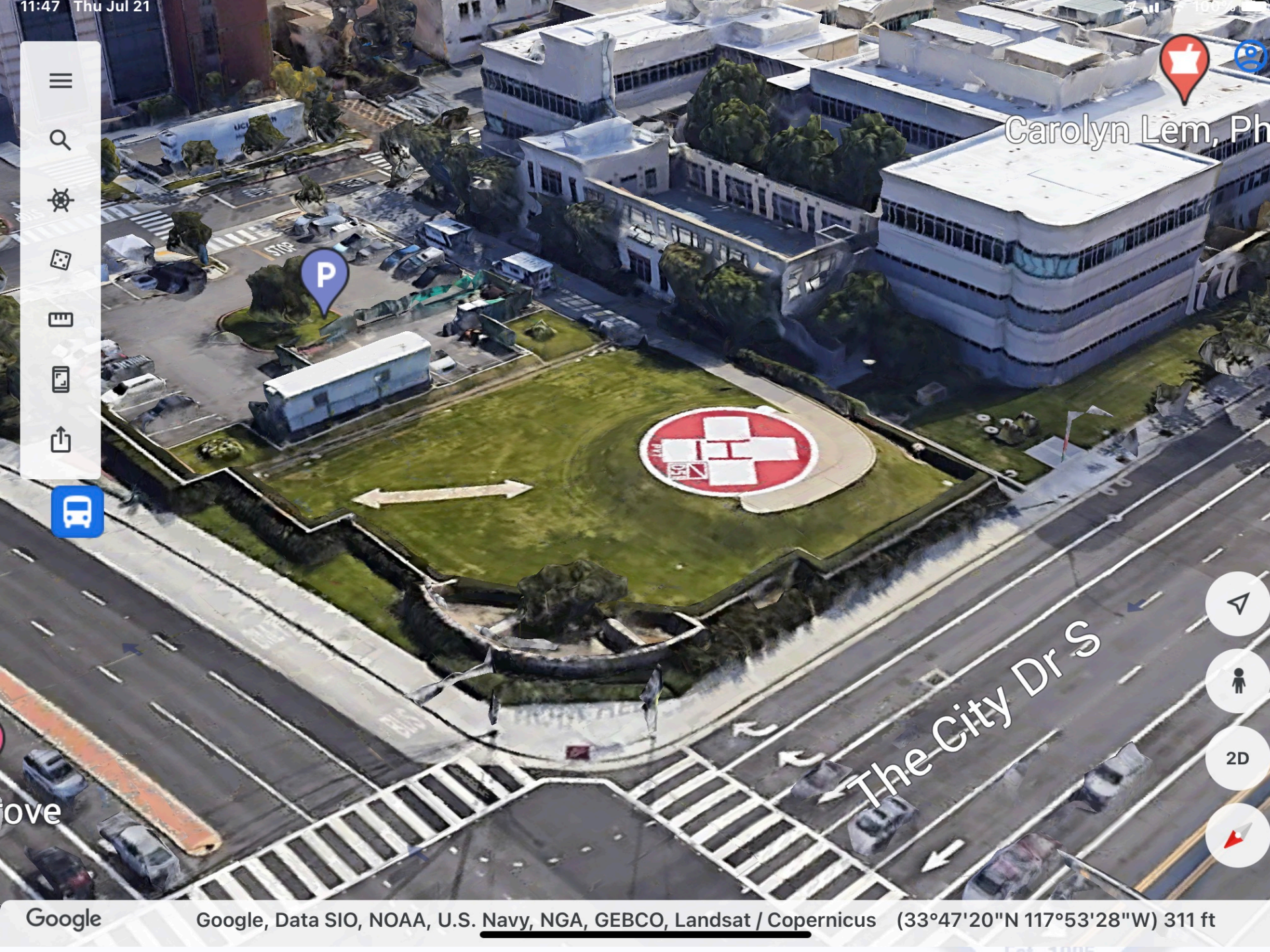
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Orange County
Medical Center

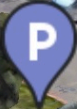
West Coast
Radiology Breast



Navigation sidebar with icons for:
Menu (hamburger icon)
Search (magnifying glass)
Street View (pegman icon)
Layers (stack of squares)
Data (ruler icon)
Mobile (phone icon)
Share (share icon)
Public Transport (train icon)



Carolyn Lem, Ph



The City Dr S

Navigation controls on the right side of the screen:
Compass (circular arrow icon)
Street View (pegman icon)
2D/3D toggle (circular button with '2D')
Map orientation (circular arrow icon)





January	February	March	April	May	June	July	August	September	October	November	December
OCFA Property Maintenance Scope of Work with Ricksward construction co	Confirm with Hospitals Type-1 pad update				Break ground / Start construction	Phase-1 Update	New S-70 pad paint completed	Drop dead time for completion			
Confirm with Hospitals Type-1 pad update				Drop dead date for plans in place				Atty Hospital pad updates	Use North Net and alternate LZ's as needed		
R PDR Meeting 01/27/23	CDR Meeting 02/10/2023	UR site visit	UR site visit	UR site visit	UR site visit	UR site visit	UR site visit	UR site visit			
Kawak site visit	US O. deadline for Gen-2 Tank	Kawak site visit		Kawak site visit		Kawak tank delivery					
Connelly background complete	Barres background beginning	Montoya Pilot Day / Night Fire Training and Carding			New Pilot SAR 412 training	New Pilot SAR 412 training	New Pilot SAR 412 training complete				
	Arant leave Mar 18 - Apr 1	Barres Leave May 18 - 22			Montoya Military Leave July 10 - 23		Leal leave Sept 15 to Oct 3				
	Connelly Initial 412 FSI			Barres Initial 412 FSI							
Matiasevich recurrent 412 FSI	Heaslet recurrent 412 FSI	Shan / Murphy recurrent 412 FSI						Crew Chief FSI S-70M EPs	Crew Chief FSI S-70M EPs		
Chief Academy & FSI 412 EP's	Crew Chief FSI 412 EP's	Crew Chief FSI 412 EP's			Crew Chief FSI S-70M EPs			Lead Crew Chief S-70M procedures and manual updates			
					FSI S-70M Hamann / Heaslet			FSI S-70M Matiasевич	FSI S-70M Murphy		
						Call Fire Sim Hamann / Heaslet		Call Fire Sim Hamann / Heaslet			
							Hamann / Heaslet S-70M Phase 2		Heaslet / Hamann MTP		
	HC1 OOS on Jan 23 2023	HC1 Maintenance Complete			HC2 Annual Insp Due						
					Wilson and Leal S-70M Training			Arant and Montoya S-70M Differences Training			
								Confirm "Single Pilot" support in REM's	Hamann / Heaslet UR acceptance	Heaslet / Rarys	Hamann / Heaslet ferry home (2nd Hawk)
								Submit FAA Public Use Form			
									Matiasevich / Murphy S-70M Phase 2 @ FUL		
								All Crew Chiefs, Rescuers, and Pilots complete operational differences training and place airc			

FSI INITIAL scheduling example			Sikorski Training Academy (Phase-2 and MTP)			FSI RECURRENT scheduling example			Crew Chief Academy		
Pilot	412EP	S-70M	Pilot	Phase-2	MTP	Pilot	412EP	S-70M	Scheduled to end week of Jan 17 2023		
Hamann	N/A	Jun 19-Jul 7 2023	Hamann	July 31 - Aug 11 2023	Oct 2-13 2023	Matiasевич	Jan 16 - 19 2023	2024 TBD			
Heaslet	N/A	Jun 19-Jul 7 2023	Heaslet	July 31 - Aug 11 2023	Oct 2-13 2023	Heaslet	TBD 2023	2024 TBD			
Matiasевич	N/A	Aug 21-Sep 8 2023	Request training pilot: Kevin Bredenbeck			Hamann	April 3 - 6 2023	2024 TBD			
Murphy	N/A	Oct 2-20 2023	Contracted Phase-2 Training (FUL / Station #41)			Murphy	April 24-27 2023	2024 TBD			
Connelly	Mar 27-Apr 10 2023	TBD 2024				Pilot	Start	Finish	Barres	2024 TBD	2024 TBD
Barres	May 1-12 10 2023	TBD 2024	Matiasевич	Nov 2022 TBD	Nov 2022 TBD	Connelly	2024 TBD	2024 TBD	Crew Chief 412 FSI EP's		
*Pilot 7	N/A	N/A	Murphy	Nov 2022 TBD	Nov 2022 TBD	*Pilot 7	N/A	N/A	Schedule for Jan 18-19 2023		
* Pilot 7 based on fire ship to be operated 24 hours, 365 days/yr			Hamann	Nov 2022 TBD	Nov 2022 TBD	FSI 412 and S-70M recurrent are being scheduled 6 months apart			Schedule for March 29-30 2023		
Request Instructor: Rick Cote			Heaslet	Nov 2022 TBD	Nov 2022 TBD	to maintain FAR 61.57 instrument currency			Schedule for April 4-6 2023		
CalFire S-70 Sim Sacramento			Use contracted training pilot: Mike Sagely and/or OCFA Matt Miller			HCl OOS			Crew Chief S-70M FSI EP		
Pilot	1st Visit	2nd Visit	New Pilot Qualifications (FUL / Station #41)			OOS January 23 2023, Completed.			Schedule for Jan 18-19 2023		
Hamann	July 24 2023	Sept 22 2023	Pilot	Day / Night Fire	Day / Night SAR	HCl Annual Inspection			Schedule for Sept 6-8 2023		
Heaslet	July 24 2023	Sept 22 2023	Barres	May 2023 TBD	Sept 2023 TPD				Schedule for Oct 18-20 2023		
Matiasевич	N/A	N/A	Connelly	May 2023 TBD	Sept 2023 TBD				S-70M Differences Training		
Murphy	N/A	N/A	Might be able to start earlier if HCl maintenance is completed early			Due by the end of June 2023, will be OOS for approx. 2 weeks			Start as soon as Phase-2 FUL Pilot training is c		
Need CalFire Sim Operator or Sim Checkout			Sikorski Training Academy (Maintenance Personnel)			Crew Chief S-70M procedures and manual updates					
UR / Kawak Meetings and site visits schedule			Mechanic			Initial			Avionics		
PDR 2/17/2023	HC1 Mid 1/24/2023	Jan 2023 TBD	Wilson			May 1 – 19, 2023			May 22 - June 9, 2023		
CDR 03/30/2023	HC1 Final 2/22/2023	P.O. deadline	Leal			May 1 – 19, 2023			May 22 - June 9, 2023		
			Lead Crew Chief to visit other Firehawk operators and get best practices for OCFA procedures and manual updates								







TEREX

02288

@skippyscage.com





N412FA






FIRE-RESCUE

ORANGE COUNTY
FIRE AUTHORITY

S70i Station #41 Plan

Legend

-  110' safety circle
-  Orange County Fire Authority Station #41

 Lider Mexico

 Orange County Fire Authority Station #41



Below is some info from Joey regarding our fuel consumption. I highlighted the estimate of fuel cycles for the hawks.

Below is a breakdown of how our current in-ground fuel system, and helitenders can accommodate two S-70M's and two Bell 412EP's. As well as how adding a larger helitender to our current fleet can greatly increase the operational readiness of OCFA Air Operations

Aircraft Fuel info:

- LACoFD's standard fuel load for their S-70M FireHawk is 2000 lbs of fuel (294 gal) and burns approx. 900 lbs/hr (132 gal)
- OCFA's standard fuel load for our Bell 412 is 1550 lbs of fuel (228 gal) and burns approx. 700 lbs/hr (103 gal).

Refueling Capacity:

- Proposed new larger helitender usable fuel = 4095 gal
 - (4500 gal minus allowable ullage requirement of 90%)
- Helitender 241 usable fuel = 1820 gal
 - (2000 gal minus allowable ullage requirement of 90%)
- Helitender 41 usable fuel = 890 gal
 - (975 gal minus allowable ullage requirement of 90%)
- Station #41 ground tank usable fuel = 10800 gal
 - (12000 gal minus allowable ullage requirement of 90%)

S-70M FireHawk calculations:

- Proposed new 4500 gal helitender can fill a FireHawk for 15 fuel cycles
- H241 can fill a FireHawk for 6 fuel cycles
- H41 can fill a FireHawk for 3 fuel cycles
- Station #41 can fill a FireHawk Tank for 40 fuel cycles

NOTE: Based on filling back to 2000 lbs with the required 20 min fuel reserve remaining = 1800 lbs (265 gals)





**FIRE DEPT.
TENDER**

1863
JET A



32107

J

OR







Photo by Ted Carlson

Thank You! Questions?