



# ORANGE COUNTY FIRE AUTHORITY

## AGENDA

Pursuant to the Brown Act, this meeting also constitutes a meeting of the Board of Directors.

### EXECUTIVE COMMITTEE REGULAR MEETING

Thursday, August 22, 2019

5:30 P.M.

**Regional Fire Operations and Training Center**

**Board Room**

1 Fire Authority Road

Irvine, CA 92602

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 Executive Committee 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 Sherry A.F. Wentz, 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>

If you wish to speak before the Fire Authority Executive Committee, 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 being heard before the Committee. Speaker Forms are available at the counters of both entryways of the Board Room.



In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, you should contact the Clerk of the Authority at (714) 573-6040.

### CALL TO ORDER

INVOCATION by Chaplain Emily McColl

PLEDGE OF ALLEGIANCE by Director Sedgwick

### ROLL CALL

### 1. PRESENTATIONS

No items.

## REPORTS

### REPORT FROM THE BUDGET AND FINANCE COMMITTEE CHAIR

As the August Budget and Finance Committee meeting was cancelled, there will be no report.

## PUBLIC COMMENTS

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 Board on items within the Board's 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 Board as a whole, and do not engage in dialogue with individual Board Members, Authority staff, or members of the audience.

The Agenda and Minutes are now available through the Internet at [www.ocfa.org](http://www.ocfa.org). You can access upcoming agendas on the Monday before the meeting. The minutes are the official record of the meeting and are scheduled for approval at the next regular Board of Directors meeting.

## 2. MINUTES

### A. Minutes from the July 25, 2019, Regular Executive Committee Meeting

Submitted by: Sherry Wentz, Clerk of the Authority

Recommended Action:

Approve as submitted.

## 3. CONSENT CALENDAR

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

### A. Monthly Investment Reports

Submitted by: Tricia Jakubiak, Treasurer

Recommended Action:

Receive and file the reports.

### B. Contract Renewal for Computer Aided Dispatch Software Maintenance and Support

Submitted by: Jim Ruane, Assistant Chief/Logistics Department

Recommended Actions:

1. Approve and authorize the Purchasing Manager to renew the existing Computer Aided Dispatch software maintenance and support contract with CentralSquare (formerly known as TriTech) for a five-year period at the rates provided in the proposed rate schedule in an amount not to exceed \$2,031,377.
2. Approve and authorize the Purchasing Manager to increase the contract up to 10% during each annual licensing term for revisions that may occur.

**END OF CONSENT CALENDAR**

#### **4. DISCUSSION CALENDAR**

No items.

#### **CLOSED SESSION**

No items.

#### **COMMITTEE MEMBER COMMENTS**

**ADJOURNMENT** – The next regular meeting of the Executive Committee is scheduled for Thursday, September 26, 2019, at 5:30 p.m.

#### **AFFIDAVIT OF POSTING**

I hereby certify under penalty of perjury under the laws of the State of California, that the foregoing Agenda was posted in the lobby, front gate public display case, and website of the Orange County Fire Authority, Regional Fire Training and Operations Center, 1 Fire Authority Road, Irvine, CA, not less than 72 hours prior to the meeting. Dated this 15<sup>th</sup> day of August 2019.

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Sherry A.F. Wentz, CMC  
Clerk of the Authority

#### **UPCOMING MEETINGS:**

Budget and Finance Committee Meeting	Wednesday, September 11, 2019, 12 noon
Human Resources Committee Special Meeting	Tuesday, September 17, 2019, 12 noon
Executive Committee Meeting	Thursday, September 26, 2019, 5:30 p.m.
Board of Directors Meeting	Thursday, September 26, 2019, 6:00 p.m.

# **MINUTES ORANGE COUNTY FIRE AUTHORITY**

**Executive Committee Regular Meeting  
Thursday, July 25, 2019  
5:30 P.M.**

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

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## **CALL TO ORDER**

Chair Muller called the regular meeting of the Orange County Fire Authority Executive Committee to order at 5:30 p.m. on July 25, 2019.

## **INVOCATION**

Chaplain Brett Peterson offered the invocation.

## **PLEDGE OF ALLEGIANCE**

Director Sachs led the assembly in the Pledge of Allegiance to our Flag.

## **ROLL CALL**

**Present:** Shelley Hasselbrink, Los Alamitos  
Noel Hatch, Laguna Woods  
Gene Hernandez, Yorba Linda  
Joe Muller, Dana Point  
Ed Sachs, Mission Viejo  
Dave Shawver, Stanton  
Tri Ta, Westminster

**Absent:** Lisa Bartlett, County of Orange  
Don Sedgwick, Laguna Hills

## **Also present were:**

Fire Chief Brian Fennessy	Deputy Chief Lori Zeller
Assistant Chief Pokey Sanchez	Assistant Chief Jim Ruane
Assistant Chief Lori Smith	Assistant Chief Robert Cortez
General Counsel David Kendig	Communications Director Colleen Windsor
Clerk of the Authority Sherry Wentz	

## **1. PRESENTATIONS**

No items.



## **REPORTS**

### **REPORT FROM THE BUDGET AND FINANCE COMMITTEE CHAIR (F: 12.02A6)**

Budget and Finance Committee Chair Hasselbrink reported at its July 10, 2019, meeting, the Committee voted unanimously to approve: the Purchase of Two Used Pickup Trucks from the City of Garden Grove; the Organizational Service Level Assessment Update; and to send the Monthly Investment Reports to the Executive Committee and the Proposed Action to Reduce Extraordinary Volume of Forced Overtime to the Board of Directors with its approval.

### **REPORT FROM THE FIRE CHIEF (F: 12.02A7)**

Fire Chief Fennessy introduced Assistant Chief Jim Ruane who provided an update on current Capital Improvement Projects.

### **PUBLIC COMMENTS (F: 12.02A3)**

Chair Muller opened the Public Comments portion of the meeting. Chair Muller closed the Public Comments portion of the meeting without any comments from the general public.

## **2. MINUTES**

### **A. Minutes from the June 27, 2019, Regular Executive Committee Meeting (F: 12.02A2)**

On motion of Director Hernandez and second by Director Shawver, the Executive Committee voted unanimously by those present to approve the Minutes as submitted.

## **3. CONSENT CALENDAR**

### **A. Monthly Investment Reports (F: 11.10D2)**

On motion of Director Hernandez and second by Director Ta, the Executive Committee voted unanimously by those present to receive and file the reports.

### **B. July Legislative Report (F: 11.10F1)**

On motion of Director Hernandez and second by Director Ta, the Executive Committee voted unanimously by those present to receive and file the report.

**C. Award of Contracts for Heating, Ventilation, and Air Conditioning (HVAC) System Maintenance and Repair Services (F: 19.07B20)**

On motion of Director Hernandez and second by Director Ta, the Executive Committee voted unanimously by those present to:

1. Approve and authorize the Purchasing Manager to sign the agreements with Harbor Pointe for an amount not to exceed \$250,000 annually and ACCO for an amount not to exceed \$100,000 annually for as-needed HVAC system maintenance and repair services at an aggregate amount not to exceed \$350,000 annually (\$1,750,000 during the five-year term).
2. Approve and authorize the Purchasing Manager to redistribute or adjust the annual amount between the two vendors as requested by the department, so long as the aggregate amount does not exceed \$350,000 annually.

**D. Professional Engineering/Construction Monitoring Services for Regional Fire Operations and Training Center (RFOTC) Training Grounds Upgrades and Construction Management Services on an As-needed Basis for Other Capital Improvement Projects (F: 19.07B25)**

On motion of Director Hernandez and second by Director Ta, the Executive Committee voted unanimously by those present to:

1. Approve and authorize the Purchasing Manager to issue professional services agreement in an amount of \$160,000 with RSSE Structural Engineers, Inc. (RSSE) and add a 10% contingency (\$16,000) to the contract for additional services that may be required during the bid development and construction process for the RFOTC Training Grounds Project for a not to exceed amount of \$176,000.
2. Approve and authorize the Purchasing Manager to issue a contract to RSSE for an amount not to exceed \$100,000 annually for a one-year period with the option of four additional renewals for construction management services on an as-needed basis for other Capital Improvement Projects (\$500,000 total for the five-year term).

**END OF CONSENT CALENDAR**

**4. DISCUSSION CALENDAR**

No items.

**CLOSED SESSION (F: 12.02A5)**

No items.

**COMMITTEE MEMBER COMMENTS (F: 12.02A4)**

The Committee Members offered no comments.

**ADJOURNMENT** – Chair Muller adjourned the meeting at 5:36 p.m. The next regular meeting of the Executive Committee is scheduled for Thursday, August 22, 2019, at 5:30 p.m.

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Sherry A.F. Wentz, CMC  
Clerk of the Authority



Orange County Fire Authority  
**AGENDA STAFF REPORT**

Executive Committee Meeting  
August 22, 2019

Agenda Item No. 3A  
Consent Calendar

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**Monthly Investment Reports**

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**Contact(s) for Further Information**

Tricia Jakubiak, Treasurer Treasury & Financial Planning	<a href="mailto:triciajakubiak@ocfa.org">triciajakubiak@ocfa.org</a>	714.573.6301
Jane Wong, Assistant Treasurer	<a href="mailto:jane Wong@ocfa.org">jane Wong@ocfa.org</a>	714.573.6305

**Summary**

This agenda item is a routine transmittal of the monthly investment reports submitted to the Committee in compliance with the investment policy of the Orange County Fire Authority and with Government Code Section 53646.

**Prior Board/Committee Action**

Since the August 14, 2019, meeting of the Budget and Finance Committee was cancelled, no prior committee action was taken on this item; however, the Monthly Investment Report was forwarded to members of the Budget and Finance Committee for review.

**RECOMMENDED ACTION(S)**

Receive and file the reports.

**Impact to Cities/County**

Not Applicable.

**Fiscal Impact**

Not Applicable.

**Background**

Attached is the final monthly investment report for the month ended June 30, 2019. A preliminary investment report as of July 19, 2019, is also provided as the most complete report that was available at the time this agenda item was prepared.

**Attachment(s)**

Final Investment Report – June 2019/Preliminary Report – July 2019

# *Orange County Fire Authority Monthly Investment Report*



*Final Report – June 2019*

*Preliminary Report – July 2019*



## ***Monthly Investment Report Table of Contents***

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# *Orange County Fire Authority*

## *Final Investment Report*

*June 30, 2019*



## **EXECUTIVE SUMMARY**

### ***Portfolio Activity & Earnings***

During the month of June 2019, the size of the portfolio decreased by \$10.6 million to \$179.9 million. Significant receipts for the month included quarterly cash contract payments, apportionments of property taxes, intergovernmental agency payments and charges for current services totaling \$15.9 million. Significant disbursements for the month included primarily two biweekly payrolls which were approximately \$11.3 million each with related benefits. Total June cash outflows amounted to approximately \$28.2 million. The portfolio's balance is expected to decline further in the following month as there are no major receipts scheduled for July.

In June, the portfolio's yield to maturity (365-day equivalent) dropped by 2 basis points to 2.31%. The effective rate of return, on the other hand, increased by 3 basis points to 2.35% for the month and by 2 basis points to 2.19% for the fiscal year to date. The average maturity of the portfolio shortened by 2 days to 50 days to maturity. As the FY2018/19 ended, portfolio interest earnings exceeded budgeted expectations due to higher cash balances and better earning rates than expected.

### ***Economic News***

The U.S. economy stayed strong in June 2019, despite overall mixed activity. Employment conditions rebounded from the prior month. There were a total of 224,000 new jobs created in June, a higher number of jobs growth than forecasted for the month. The unemployment rate edged up by 1 basis point to 3.7% as more Americans looked for jobs (a 50-year historically low rate). Additionally, retail sales rose more than expected. Consumer confidence measures declined but remained at high levels. Both manufacturing and non-manufacturing sectors pulled back slightly in June but continued expanding. The CPI (Consumer Price Index) edged up slightly and continued to stay below 2.0% while industrial production was unchanged in June. New home sales increased while existing home sales fell more than expected for the month.



**BENCHMARK COMPARISON AS OF JUNE 30, 2019**

3 Month T-Bill: 2.22%

1 Year T-Bill: 2.00%

6 Month T-Bill: 2.17%

LAIF: 2.43%

OCFA Portfolio: 2.35%

**PORTFOLIO SIZE, YIELD, & DURATION**

	<u><i>Current Month</i></u>	<u><i>Prior Month</i></u>	<u><i>Prior Year</i></u>
<i>Book Value-</i>	\$179,881,999	\$190,479,258	\$176,624,636
<i>Yield to Maturity (365 day)</i>	2.31%	2.33%	1.79%
<i>Effective Rate of Return</i>	2.35%	2.32%	1.78%
<i>Days to Maturity</i>	50	52	84



**ORANGE COUNTY FIRE AUTHORITY**  
**Portfolio Management**  
**Portfolio Summary**  
**June 30, 2019**

Orange County Fire Authority  
1 Fire Authority Road  
Irvine, Irvine, CA 92602  
(714)573-6301

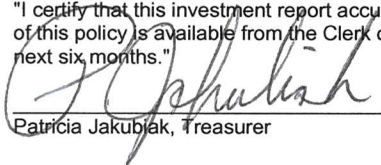
(See Note 1 on page 9)

(See Note 2 on page 9)

Investments	Par Value	Market Value	Book Value	% of Portfolio	Term	Days to Maturity	YTM/C 360 Equiv.	YTM/C 365 Equiv.
Money Mkt Mutual Funds/Cash	10,008,687.59	10,008,687.59	10,008,687.59	5.57	1	1	1.864	1.890
Federal Agency Coupon Securities	25,000,000.00	24,993,460.00	25,000,000.00	13.92	890	90	1.814	1.839
Federal Agency Disc. -Amortizing	56,000,000.00	55,768,060.00	55,740,551.67	31.04	144	70	2.439	2.473
Treasury Discounts -Amortizing	24,000,000.00	23,844,540.00	23,834,959.72	13.27	153	113	2.254	2.285
Local Agency Investment Funds	65,000,000.00	65,111,266.35	65,000,000.00	36.19	1	1	2.395	2.428
<b>Investments</b>	<b>180,008,687.59</b>	<b>179,726,013.94</b>	<b>179,584,198.98</b>	<b>100.00%</b>	<b>189</b>	<b>50</b>	<b>2.279</b>	<b>2.311</b>
<b>Cash</b>								
Passbook/Checking (not included in yield calculations)	155,985.25	155,985.25	155,985.25		1	1	0.000	0.000
<b>Total Cash and Investments</b>	<b>180,164,672.84</b>	<b>179,881,999.19</b>	<b>179,740,184.23</b>		<b>189</b>	<b>50</b>	<b>2.279</b>	<b>2.311</b>

Total Earnings	June 30 Month Ending	Fiscal Year To Date	Fiscal Year Ending
Current Year	367,196.24	3,481,594.88	3,481,594.88
Average Daily Balance	189,784,093.26	158,660,488.35	
Effective Rate of Return	2.35%	2.19%	

"I certify that this investment report accurately reflects all pooled investments and is in compliance with the investment policy adopted by the Board of Directors to be effective on January 1, 2019. A copy of this policy is available from the Clerk of the Authority. Sufficient investment liquidity and anticipated revenues are available to meet budgeted expenditure requirements for the next thirty days and the next six months."

  
Patricia Jakubjak, Treasurer

7/5/19

**Cash and Investments with GASB 31 Adjustment:**

Book Value of Cash & Investments before GASB 31 (Above)

\$ 179,740,184.23

GASB 31 Adjustment to Books (See Note 3 on page 9)

\$ 141,814.96

Total

\$ 179,881,999.19

**ORANGE COUNTY FIRE AUTHORITY**  
**Portfolio Management**  
**Portfolio Details - Investments**  
**June 30, 2019**

(See Note 1 on page 9)

(See Note 2 on page 9)

CUSIP	Investment #	Issuer	Average Balance	Purchase Date	Par Value	Market Value	Stated Rate	YTM/C 365	Days to Maturity	Maturity Date
<b>Money Mkt Mutual Funds/Cash</b>										
SYS528	528	Federated Treasury Obligations			10,008,687.59	10,008,687.59	1.890	1.890	1	
<b>Subtotal and Average</b>			<b>12,245,639.73</b>		<b>10,008,687.59</b>	<b>10,008,687.59</b>		<b>1.890</b>	<b>1</b>	
<b>Federal Agency Coupon Securities</b>										
3133EGPD1	921	Federal Farm Credit Bank (Callable Anytime)		04/20/2017	7,000,000.00	6,994,540.00	1.180	1.375	31	08/01/2019
3134GBHT2	922	Fed Home Loan Mtg Corp		04/25/2017	9,000,000.00	8,983,800.00	1.625	1.518	116	10/25/2019
3134GTJX20	976	Fed Home Loan Mtg Corp (Callable on 10-18-19)		04/22/2019	9,000,000.00	9,015,120.00	2.520	2.520	109	10/18/2021
<b>Subtotal and Average</b>			<b>25,000,000.00</b>		<b>25,000,000.00</b>	<b>24,993,460.00</b>		<b>1.839</b>	<b>90</b>	
<b>Federal Agency Disc. -Amortizing</b>										
313312QH6	977	Federal Farm Credit Bank		04/18/2019	9,000,000.00	8,916,210.00	2.390	2.489	162	12/10/2019
313384JA8	969	Fed Home Loan Bank		04/18/2019	9,000,000.00	8,993,970.00	2.385	2.466	11	07/12/2019
313384JQ3	970	Fed Home Loan Bank		04/18/2019	9,000,000.00	8,986,230.00	2.395	2.478	25	07/26/2019
313384KE8	971	Fed Home Loan Bank		04/18/2019	2,000,000.00	1,995,220.00	2.390	2.475	39	08/09/2019
313384KU2	972	Fed Home Loan Bank		04/18/2019	9,000,000.00	8,970,750.00	2.390	2.478	53	08/23/2019
313384LY3	974	Fed Home Loan Bank		04/18/2019	9,000,000.00	8,956,260.00	2.370	2.461	81	09/20/2019
313384MN6	975	Fed Home Loan Bank		04/18/2019	9,000,000.00	8,949,420.00	2.370	2.464	95	10/04/2019
<b>Subtotal and Average</b>			<b>64,679,070.14</b>		<b>56,000,000.00</b>	<b>55,768,060.00</b>		<b>2.473</b>	<b>70</b>	
<b>Treasury Discounts -Amortizing</b>										
912796SG5	973	US Treasury Bill		06/04/2019	9,000,000.00	8,965,440.00	2.375	2.430	66	09/05/2019
912796SS9	978	US Treasury Bill		06/03/2019	10,000,000.00	9,922,400.00	2.210	2.263	136	11/14/2019
912796SU4	979	US Treasury Bill		06/27/2019	5,000,000.00	4,956,700.00	2.020	2.066	151	11/29/2019
<b>Subtotal and Average</b>			<b>22,859,383.40</b>		<b>24,000,000.00</b>	<b>23,844,540.00</b>		<b>2.285</b>	<b>113</b>	
<b>Local Agency Investment Funds</b>										
SYS336	336	Local Agency Invstmt Fund			65,000,000.00	65,111,266.35	2.428	2.428	1	
<b>Subtotal and Average</b>			<b>65,000,000.00</b>		<b>65,000,000.00</b>	<b>65,111,266.35</b>		<b>2.428</b>	<b>1</b>	
<b>Total and Average</b>			<b>189,784,093.26</b>		<b>180,008,687.59</b>	<b>179,726,013.94</b>		<b>2.311</b>	<b>50</b>	

**ORANGE COUNTY FIRE AUTHORITY**  
**Portfolio Management**  
**Portfolio Details - Cash**  
**June 30, 2019**

CUSIP	Investment #	Issuer	Average Balance	Purchase Date	Par Value	Market Value	Book Value	Stated Rate	YTM/C 365	Days to Maturity
<b>Money Mkt Mutual Funds/Cash</b>										
SYS10033	10033	Revolving Fund		07/01/2018	20,000.00	20,000.00	20,000.00		0.000	1
SYS4	4	Union Bank		07/01/2018	135,985.25	135,985.25	135,985.25		0.000	1
		<b>Average Balance</b>	<b>0.00</b>							<b>1</b>
<b>Total Cash and Investments</b>			<b>189,784,093.26</b>		<b>180,164,672.84</b>	<b>179,881,999.19</b>	<b>179,740,184.23</b>		<b>2.311</b>	<b>50</b>

“We visualize problems and solutions  
through the eyes of those we serve.”





# ORANGE COUNTY FIRE AUTHORITY Aging Report By Maturity Date As of July 1, 2019

Orange County Fire Authority  
1 Fire Authority Road  
Irvine, Irvine, CA 92602  
(714)573-6301

				Maturity Par Value	Percent of Portfolio	Current Book Value	Current Market Value
Aging Interval: 0 days	( 07/01/2019 - 07/01/2019 )	4 Maturities	0 Payments	75,164,672.84	41.82%	75,164,672.84	75,275,939.19
Aging Interval: 1 - 30 days	( 07/02/2019 - 07/31/2019 )	2 Maturities	0 Payments	18,000,000.00	10.00%	17,978,472.50	17,980,200.00
Aging Interval: 31 - 60 days	( 08/01/2019 - 08/30/2019 )	3 Maturities	0 Payments	18,000,000.00	9.99%	17,963,154.17	17,960,510.00
Aging Interval: 61 - 91 days	( 08/31/2019 - 09/30/2019 )	2 Maturities	0 Payments	18,000,000.00	9.97%	17,912,820.00	17,921,700.00
Aging Interval: 92 - 121 days	( 10/01/2019 - 10/30/2019 )	2 Maturities	0 Payments	18,000,000.00	9.98%	17,943,712.50	17,933,220.00
Aging Interval: 122 - 152 days	( 10/31/2019 - 11/30/2019 )	2 Maturities	0 Payments	15,000,000.00	8.28%	14,874,147.22	14,879,100.00
Aging Interval: 153 - 183 days	( 12/01/2019 - 12/31/2019 )	1 Maturities	0 Payments	9,000,000.00	4.95%	8,903,205.00	8,916,210.00
Aging Interval: 184 - 274 days	( 01/01/2020 - 03/31/2020 )	0 Maturities	0 Payments	0.00	0.00%	0.00	0.00
Aging Interval: 275 - 365 days	( 04/01/2020 - 06/30/2020 )	0 Maturities	0 Payments	0.00	0.00%	0.00	0.00
Aging Interval: 366 - 1095 days	( 07/01/2020 - 06/30/2022 )	1 Maturities	0 Payments	9,000,000.00	5.01%	9,000,000.00	9,015,120.00
Aging Interval: 1096 days and after	( 07/01/2022 - )	0 Maturities	0 Payments	0.00	0.00%	0.00	0.00
Total for		17 Investments	0 Payments		100.00	179,740,184.23	179,881,999.19



**NOTES TO PORTFOLIO MANAGEMENT REPORT**

- Note 1: Market value of the LAIF investment is calculated using a fair value factor provided by LAIF. The MUFG Union Bank (formerly Union Bank) Trust Department provides market values of the remaining investments.
- Note 2: Book value reflects the cost or amortized cost before the GASB 31 accounting adjustment.
- Note 3: GASB 31 requires governmental entities to report investments at fair value in the financial statements and to reflect the corresponding unrealized gains/ (losses) as a component of investment income. The GASB 31 adjustment is recorded only at fiscal year end. The adjustment for June 30, 2019 includes an increase of \$111,266 to the LAIF investment and an increase of \$30,549 to the remaining investments.
- Note 4: The Federated Treasury Obligations money market mutual fund functions as the Authority's sweep account. Funds are transferred to and from the sweep account to/from OCFA's checking account in order to maintain a target balance of \$1,000,000 in checking. Since this transfer occurs at the beginning of each banking day, the checking account sometimes reflects a negative balance at the close of the banking day. The negative closing balance is not considered an overdraft since funds are available in the money market mutual fund. The purpose of the sweep arrangement is to provide sufficient liquidity to cover outstanding checks, yet allow that liquidity to be invested while payment of the outstanding checks is pending.



## ***Local Agency Investment Fund (LAIF)***

As of June 30, 2019, OCFA has \$65,000,000 invested in LAIF. The fair value of OCFA's LAIF investment is calculated using a participant fair value factor provided by LAIF on a quarterly basis. The fair value factor as of June 30, 2019 is 1.001711790. When applied to OCFA's LAIF investment, the fair value is \$65,111,266 or \$111,266 above cost. Although the fair value of the LAIF investment is higher than cost, OCFA can withdraw the actual amount invested at any time.

LAIF is included in the State Treasurer's Pooled Money Investment Account (PMIA) for investment purposes. The PMIA market valuation at June 30, 2019 is included on the following page.





# State of California

## Pooled Money Investment Account

### Market Valuation

#### 6/30/2019

Description		Carrying Cost Plus Accrued Interest Purch.	Amortized Cost	Fair Value	Accrued Interest
1*	United States Treasury:				
	Bills	\$ 23,918,024,321.09	\$ 24,115,845,160.16	\$ 24,142,790,000.00	NA
	Notes	\$ 27,621,433,111.61	\$ 27,606,428,208.13	\$ 27,725,679,500.00	\$ 112,016,945.00
1*	Federal Agency:				
	SBA	\$ 658,202,155.36	\$ 658,202,155.36	\$ 656,508,632.63	\$ 1,513,884.88
	MBS-REMICs	\$ 21,840,826.04	\$ 21,840,826.04	\$ 22,510,770.11	\$ 102,118.93
	Debentures	\$ 2,529,170,529.05	\$ 2,528,402,612.39	\$ 2,540,481,800.00	\$ 12,002,880.70
	Debentures FR	\$ -	\$ -	\$ -	\$ -
	Debentures CL	\$ 300,000,000.00	\$ 300,000,000.00	\$ 300,819,000.00	\$ 672,542.00
	Discount Notes	\$ 18,590,094,499.95	\$ 18,690,188,861.19	\$ 18,695,685,000.00	NA
1*	Supranational Debentures	\$ 538,905,703.78	\$ 538,905,703.78	\$ 543,312,900.00	\$ 2,578,584.50
1*	Supranational Debentures FR	\$ 200,251,812.61	\$ 200,251,812.61	\$ 200,385,641.07	\$ 887,652.30
2*	CDs and YCDs FR	\$ 500,000,000.00	\$ 500,000,000.00	\$ 500,000,000.00	\$ 1,600,616.08
2*	Bank Notes	\$ 600,000,000.00	\$ 600,000,000.00	\$ 600,272,961.97	\$ 5,545,041.68
2*	CDs and YCDs	\$ 17,475,000,000.00	\$ 17,475,000,000.00	\$ 17,485,383,524.93	\$ 95,083,513.93
2*	Commercial Paper	\$ 6,738,624,722.19	\$ 6,765,082,125.03	\$ 6,767,140,361.11	NA
1*	Corporate:				
	Bonds FR	\$ -	\$ -	\$ -	\$ -
	Bonds	\$ -	\$ -	\$ -	\$ -
1*	Repurchase Agreements	\$ -	\$ -	\$ -	\$ -
1*	Reverse Repurchase	\$ -	\$ -	\$ -	\$ -
	Time Deposits	\$ 4,854,740,000.00	\$ 4,854,740,000.00	\$ 4,854,740,000.00	NA
	AB 55 & GF Loans	\$ 778,773,000.00	\$ 778,773,000.00	\$ 778,773,000.00	NA
	<b>TOTAL</b>	<b>\$ 105,325,060,681.68</b>	<b>\$ 105,633,660,464.69</b>	<b>\$ 105,814,483,091.82</b>	<b>\$ 232,003,780.00</b>

Fair Value Including Accrued Interest

\$ 106,046,486,871.82

\* Governmental Accounting Standards Board (GASB) Statement #72

Repurchase Agreements, Time Deposits, AB 55 & General Fund loans, and Reverse Repurchase agreements are carried at portfolio book value (carrying cost).

The value of each participating dollar equals the fair value divided by the amortized cost (1.001711790).  
As an example: if an agency has an account balance of \$20,000,000.00, then the agency would report its participation in the LAIF valued at \$20,034,235.80 or \$20,000,000.00 x 1.001711790.



*Orange County Fire Authority*

*Preliminary Investment Report*

*July 19, 2019*



**ORANGE COUNTY FIRE AUTHORITY**  
**Portfolio Management**  
**Portfolio Summary**  
**July 19, 2019**

Orange County Fire Authority  
1 Fire Authority Road  
Irvine, Irvine, CA 92602  
(714)573-6301

(See Note 1 on page 18)

(See Note 2 on page 18)

Investments	Par Value	Market Value	Book Value	% of Portfolio	Term	Days to Maturity	YTM/C 360 Equiv.	YTM/C 365 Equiv.
Money Mkt Mutual Funds/Cash	4,136,733.68	4,136,733.68	4,136,733.68	2.44	1	1	1.864	1.890
Federal Agency Coupon Securities	25,000,000.00	24,995,900.00	25,000,000.00	14.73	890	71	1.814	1.839
Federal Agency Disc. -Amortizing	47,000,000.00	46,835,030.00	46,806,229.44	27.57	155	62	2.440	2.474
Treasury Discounts -Amortizing	29,000,000.00	28,842,050.00	28,827,027.09	16.98	150	100	2.213	2.244
Local Agency Investment Funds	65,000,000.00	65,111,266.35	65,000,000.00	38.29	1	1	2.395	2.428
<b>Investments</b>	<b>170,136,733.68</b>	<b>169,920,980.03</b>	<b>169,769,990.21</b>	<b>100.00%</b>	<b>200</b>	<b>45</b>	<b>2.278</b>	<b>2.310</b>
<b>Cash</b>								
Passbook/Checking (not included in yield calculations)	717,294.91	717,294.91	717,294.91		1	1	0.000	0.000
<b>Total Cash and Investments</b>	<b>170,854,028.59</b>	<b>170,638,274.94</b>	<b>170,487,285.12</b>		<b>200</b>	<b>45</b>	<b>2.278</b>	<b>2.310</b>

Total Earnings	July 19 Month Ending	Fiscal Year To Date
Current Year	208,036.66	208,036.66
<b>Average Daily Balance</b>	<b>175,306,665.65</b>	<b>175,306,665.65</b>
<b>Effective Rate of Return</b>	<b>2.28%</b>	<b>2.28%</b>

"I certify that this investment report accurately reflects all pooled investments and is in compliance with the investment policy adopted by the Board of Directors to be effective on January 1, 2019. A copy of this policy is available from the Clerk of the Authority. Sufficient investment liquidity and anticipated revenues are available to meet budgeted expenditure requirements for the next thirty days and the next six months."

Patricia Jakubiak, Treasurer

7/26/19

**Cash and Investments with GASB 31 Adjustment:**

Book Value of Cash & Investments before GASB 31 (Above)

\$ 170,487,285.12

GASB 31 Adjustment to Books (See Note 3 on page 18)

\$ 141,814.96

Total

\$ 170,629,100.08



**ORANGE COUNTY FIRE AUTHORITY**  
**Portfolio Management**  
**Portfolio Details - Investments**  
**July 19, 2019**

(See Note 1 on page 18) (See Note 2 on page 18)

CUSIP	Investment #	Issuer	Average Balance	Purchase Date	Par Value	Market Value	Book Value	Stated Rate	YTM/C 365	Days to Maturity	Maturity Date
<b>Money Mkt Mutual Funds/Cash</b>											
SYS528	528	Federated Treasury Obligations			4,136,733.68	4,136,733.68	4,136,733.68	1.890	1.890	1	
<b>Subtotal and Average</b>			<b>8,925,424.69</b>		<b>4,136,733.68</b>	<b>4,136,733.68</b>	<b>4,136,733.68</b>		<b>1.890</b>	<b>1</b>	
<b>Federal Agency Coupon Securities</b>											
3133EGPD1	921	Federal Farm Credit Bank (Callable Anytime)		04/20/2017	7,000,000.00	6,997,970.00	7,000,000.00	1.180	1.375	12	08/01/2019
3134GBHT2	922	Fed Home Loan Mtg Corp		04/25/2017	9,000,000.00	8,987,490.00	9,000,000.00	1.625	1.518	97	10/25/2019
3134GTJX20	976	Fed Home Loan Mtg Corp (Callable on 10-18-19)		04/22/2019	9,000,000.00	9,010,440.00	9,000,000.00	2.520	2.520	90	10/18/2021
<b>Subtotal and Average</b>			<b>25,000,000.00</b>		<b>25,000,000.00</b>	<b>24,995,900.00</b>	<b>25,000,000.00</b>		<b>1.839</b>	<b>71</b>	
<b>Federal Agency Disc. -Amortizing</b>											
313312QH6	977	Federal Farm Credit Bank		04/18/2019	9,000,000.00	8,928,090.00	8,914,557.50	2.390	2.489	143	12/10/2019
313384JQ3	970	Fed Home Loan Bank		04/18/2019	9,000,000.00	8,997,840.00	8,996,407.50	2.395	2.478	6	07/26/2019
313384KE8	971	Fed Home Loan Bank		04/18/2019	2,000,000.00	1,997,840.00	1,997,344.44	2.390	2.475	20	08/09/2019
313384KU2	972	Fed Home Loan Bank		04/18/2019	9,000,000.00	8,982,720.00	8,979,685.00	2.390	2.478	34	08/23/2019
313384LY3	974	Fed Home Loan Bank		04/18/2019	9,000,000.00	8,967,780.00	8,963,265.00	2.370	2.461	62	09/20/2019
313384MN6	975	Fed Home Loan Bank		04/18/2019	9,000,000.00	8,960,760.00	8,954,970.00	2.370	2.464	76	10/04/2019
<b>Subtotal and Average</b>			<b>51,987,026.02</b>		<b>47,000,000.00</b>	<b>46,835,030.00</b>	<b>46,806,229.44</b>		<b>2.474</b>	<b>62</b>	
<b>Treasury Discounts -Amortizing</b>											
912796SG5	973	US Treasury Bill		04/18/2019	9,000,000.00	8,977,050.00	8,972,093.75	2.375	2.430	47	09/05/2019
912796SS9	978	US Treasury Bill		06/03/2019	10,000,000.00	9,936,900.00	9,928,175.00	2.210	2.263	117	11/14/2019
912796SU4	979	US Treasury Bill		06/27/2019	5,000,000.00	4,964,050.00	4,962,966.67	2.020	2.066	132	11/29/2019
912796SU4	980	US Treasury Bill		07/18/2019	5,000,000.00	4,964,050.00	4,963,791.67	1.975	2.045	132	11/29/2019
<b>Subtotal and Average</b>			<b>24,372,331.62</b>		<b>29,000,000.00</b>	<b>28,842,050.00</b>	<b>28,827,027.09</b>		<b>2.244</b>	<b>100</b>	
<b>Local Agency Investment Funds</b>											
SYS336	336	Local Agency Invstmt Fund			65,000,000.00	65,111,266.35	65,000,000.00	2.428	2.428	1	
<b>Subtotal and Average</b>			<b>65,021,883.32</b>		<b>65,000,000.00</b>	<b>65,111,266.35</b>	<b>65,000,000.00</b>		<b>2.428</b>	<b>1</b>	
<b>Total and Average</b>			<b>175,306,665.65</b>		<b>170,136,733.68</b>	<b>169,920,980.03</b>	<b>169,769,990.21</b>		<b>2.310</b>	<b>45</b>	

**ORANGE COUNTY FIRE AUTHORITY**  
**Portfolio Management**  
**Portfolio Details - Cash**  
**July 19, 2019**

CUSIP	Investment #	Issuer	Average Balance	Purchase Date	Par Value	Market Value	Book Value	Stated Rate	YTM/C 365	Days to Maturity
<b>Money Mkt Mutual Funds/Cash</b>										
SYS10033	10033	Revolving Fund		07/01/2019	20,000.00	20,000.00	20,000.00		0.000	1
SYS4	4	Union Bank		07/01/2019	697,294.91	697,294.91	697,294.91		0.000	1
		<b>Average Balance</b>	<b>0.00</b>							<b>1</b>
<b>Total Cash and Investments</b>			<b>175,306,665.65</b>		<b>170,854,028.59</b>	<b>170,638,274.94</b>	<b>170,487,285.12</b>		<b>2.310</b>	<b>45</b>

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**ORANGE COUNTY FIRE AUTHORITY**  
**Aging Report**  
**By Maturity Date**  
**As of July 20, 2019**

Orange County Fire Authority  
 1 Fire Authority Road  
 Irvine, CA 92602  
 (714)573-6301

				Maturity Par Value	Percent of Portfolio	Current Book Value	Current Market Value
Aging Interval: 0 days	( 07/20/2019 - 07/20/2019 )	4 Maturities	0 Payments	69,854,028.59	40.97%	69,854,028.59	69,965,294.94
Aging Interval: 1 - 30 days	( 07/21/2019 - 08/19/2019 )	3 Maturities	0 Payments	18,000,000.00	10.55%	17,993,751.94	17,993,650.00
Aging Interval: 31 - 60 days	( 08/20/2019 - 09/18/2019 )	2 Maturities	0 Payments	18,000,000.00	10.53%	17,951,778.75	17,959,770.00
Aging Interval: 61 - 91 days	( 09/19/2019 - 10/19/2019 )	2 Maturities	0 Payments	18,000,000.00	10.51%	17,918,235.00	17,928,540.00
Aging Interval: 92 - 121 days	( 10/20/2019 - 11/18/2019 )	2 Maturities	0 Payments	19,000,000.00	11.10%	18,928,175.00	18,924,390.00
Aging Interval: 122 - 152 days	( 11/19/2019 - 12/19/2019 )	3 Maturities	0 Payments	19,000,000.00	11.05%	18,841,315.84	18,856,190.00
Aging Interval: 153 - 183 days	( 12/20/2019 - 01/19/2020 )	0 Maturities	0 Payments	0.00	0.00%	0.00	0.00
Aging Interval: 184 - 274 days	( 01/20/2020 - 04/19/2020 )	0 Maturities	0 Payments	0.00	0.00%	0.00	0.00
Aging Interval: 275 - 365 days	( 04/20/2020 - 07/19/2020 )	0 Maturities	0 Payments	0.00	0.00%	0.00	0.00
Aging Interval: 366 - 1095 days	( 07/20/2020 - 07/19/2022 )	1 Maturities	0 Payments	9,000,000.00	5.28%	9,000,000.00	9,010,440.00
Aging Interval: 1096 days and after	( 07/20/2022 - )	0 Maturities	0 Payments	0.00	0.00%	0.00	0.00
Total for		17 Investments	0 Payments		100.00	170,487,285.12	170,638,274.94



**NOTES TO PORTFOLIO MANAGEMENT REPORT**

- Note 1: Market value of the LAIF investment is calculated using a fair value factor provided by LAIF. The MUFG Union Bank Trust Department provides market values of the remaining investments.
- Note 2: Book value reflects the cost or amortized cost before the GASB 31 accounting adjustment.
- Note 3: GASB 31 requires governmental entities to report investments at fair value in the financial statements and to reflect the corresponding unrealized gains/ (losses) as a component of investment income. The GASB 31 adjustment is recorded only at fiscal year end. The adjustment for June 30, 2019 includes an increase of \$111,266 to the LAIF investment and an increase of \$30,549 to the remaining investments.
- Note 4: The Federated Treasury Obligations money market mutual fund functions as the Authority's sweep account. Funds are transferred to and from the sweep account to/from OCFA's checking account in order to maintain a target balance of \$1,000,000 in checking. Since this transfer occurs at the beginning of each banking day, the checking account sometimes reflects a negative balance at the close of the banking day. The negative closing balance is not considered an overdraft since funds are available in the money market mutual fund. The purpose of the sweep arrangement is to provide sufficient liquidity to cover outstanding checks, yet allow that liquidity to be invested while payment of the outstanding checks is pending.



## GLOSSARY

### INVESTMENT TERMS

**Basis Point.** Measure used in quoting yields on bonds and notes. One basis point is .01% of yield.

**Book Value.** This value may be the original cost of acquisition of the security, or original cost adjusted by the amortization of a premium or accretion of a discount. The book value may differ significantly from the security's current value in the market.

**Commercial Paper.** Unsecured short-term promissory notes issued by corporations, with maturities ranging from 2 to 270 days; may be sold on a discount basis or may bear interest.

**Coupon Rate.** Interest rate, expressed as a percentage of par or face value, that issuer promises to pay over lifetime of debt security.

**Discount.** The amount by which a bond sells under its par (face) value.

**Discount Securities.** Securities that do not pay periodic interest. Investors earn the difference between the discount issue price and the full face value paid at maturity. Treasury bills, bankers' acceptances and most commercial paper are issued at a discount.

**Effective Rate of Return.** Rate of return on a security, based on its purchase price, coupon rate, maturity date, and the period between interest payments.

**Federal Agency Securities.** Securities issued by agencies such as the Federal National Mortgage Association and the Federal Farm Credit Bank. Though not general obligations of the US Treasury, such securities are sponsored by the government and therefore have high credit ratings. Some are issued on a discount basis and some are issued with coupons.

**Federal Funds.** Funds placed in Federal Reserve banks by depository institutions in excess of current reserve requirements. These depository institutions may lend fed funds to each other overnight or on a longer basis. They may also transfer funds among each other on a same-day basis through the Federal Reserve banking system. Fed Funds are considered to be immediately available funds.

**Fed Funds Rate.** The interest rate charged by one institution lending federal funds to another.

**Federal Open Market Committee.** The branch of the Federal Reserve Board that determines the direction of monetary policy.

**Local Agency Investment Fund (LAIF).** A California State Treasury fund which local agencies may use to deposit funds for investment and for reinvestment with a maximum of \$50 million for any agency (*excluding bond funds, which have no maximum*). It offers high liquidity because

deposits can be converted to cash in 24 hours and no interest is lost. Interest is paid quarterly and the State's administrative fee cannot exceed 1/4 of a percent of the earnings.

**Market value.** The price at which the security is trading and could presumably be purchased or sold.

**Maturity Date.** The specified day on which the issuer of a debt security is obligated to repay the principal amount or face value of security.

**Money Market Mutual Fund.** Mutual funds that invest solely in money market instruments (short-term debt instruments, such as Treasury bills, commercial paper, bankers' acceptances, repurchase agreements and federal funds).

**Par.** Face value or principal value of a bond typically \$1,000 per bond.

**Rate of Return.** The amount of income received from an investment, expressed as a percentage. A *market rate of return* is the yield that an investor can expect to receive in the current interest-rate environment utilizing a buy-and-hold to maturity investment strategy.

**Treasury Bills.** Short-term U.S. government non-interest bearing debt securities with maturities of no longer than one year. The yields on these bills are monitored closely in the money markets for signs of interest rate trends.

**Treasury Notes.** Intermediate U.S. government debt securities with maturities of one to 10 years.

**Treasury bonds.** Long-term U.S. government debt securities with maturities of 10 years or longer.

**Yield.** Rate of return on a bond.

**Yield-to-maturity.** Rate of return on a bond taking into account the total annual interest payments, the purchase price, the redemption value and the amount of time remaining until maturity.

### ECONOMIC TERMS

**Conference Board Consumer Confidence Index** A survey that measures how optimistic or pessimistic consumers are with respect to the economy in the near future.

**Consumer Price Index (CPI).** A measure that examines the weighted average of prices of a basket of consumer goods and services, such as transportation, food and medical care. Changes in CPI are used to assess price changes associated with the cost of living.

**Durable Goods Orders.** An economic indicator released monthly that reflects new orders placed with domestic manufacturers for delivery of factory durable goods such as autos and appliances in the near term or future.

**Gross Domestic Product.** The monetary value of all the finished goods and services produced within a country's borders in a specific time period. It includes all of private and public consumption, government outlays, investments and exports less imports that occur within a defined territory.

**Industrial Production.** An economic indicator that is released monthly by the Federal Reserve Board. The indicator measures the amount of output from the manufacturing, mining, electric and gas industries.

**ISM Institute for Supply Management (ISM) Manufacturing Index.** A monthly index that monitors employment, production inventories, new orders and supplier deliveries.

**ISM Non-manufacturing Index.** An index based on surveys of non-manufacturing firms' purchasing and supply executives. It tracks economic data for the service sector.

**Leading Economic Index.** A monthly index used to predict the direction of the economy's movements in the months to come. The index is made up of 10 economic components, whose changes tend to precede changes in the overall economy.

**National Federation of Independent Business Small Business Optimism Index.** An index based on surveys of small business owners' plans and expectations regarding employment, capital, inventories, economic improvement, credit conditions, expansion, and earnings trends in the near term or future.

**Producer Price Index.** An index that measures the average change over time in the selling prices received by domestic producers for their output.

**University of Michigan Consumer Sentiment Index.** An index that measures the overall health of the economy as determined by consumer opinion. It takes into account an individual's feelings toward his or her own current financial health, the health of the economy in the short term and the prospects for longer term economic growth.





**Orange County Fire Authority**  
**AGENDA STAFF REPORT**

**Executive Committee Meeting**  
**August 22, 2019**

**Agenda Item No. 3B**  
**Consent Calendar**

**Contract Renewal for Computer Aided Dispatch  
Software Maintenance and Support**

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**Contact(s) for Further Information**

Jim Ruane, Assistant Chief  
Logistics Department

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714.573.6801

Joel Brodowski, IT Manager

[joelbrodowski@ocfa.org](mailto:joelbrodowski@ocfa.org)

714.573.6421

**Summary**

This agenda item is submitted for approval to renew a previously approved software maintenance and support contract with CentralSquare Technologies, LLC (CentralSquare), formerly known as TriTech Software Systems (TriTech). This contract is for the Computer Aided Dispatch (CAD) application.

**Prior Board/Committee Action**

At the September 27, 2012, Executive Committee meeting, the Committee approved a contract with TriTech for the software, hardware, and professional services to implement a new CAD system as part of the Public Safety Systems Project for a total of \$3,040,152.

At its August 20, 2015, meeting, the Executive Committee approved the CAD software maintenance and support contract with TriTech with an expiration of September 8, 2019, in an amount not to exceed \$1,486,182.

**RECOMMENDED ACTION(S)**

1. Approve and authorize the Purchasing Manager to renew the existing Computer Aided Dispatch software maintenance and support contract with CentralSquare (formerly known as TriTech) for a five-year period at the rates provided in the proposed rate schedule in an amount not to exceed \$2,031,377.
2. Approve and authorize the Purchasing Manager to increase the contract up to 10% during each annual licensing term for revisions that may occur.

**Impact to Cities/County**

Not Applicable.

**Fiscal Impact**

Funding for software license and maintenance fees has been approved in the Adopted FY 2019/20 General Fund budget, specifically in the Information Technology Division's budget for services and supplies.

## **Background**

CAD is a highly complex and critical system with multiple software components that interface with other OCFA systems and third-party software integrations. The 9-1-1 dispatchers in the Emergency Command Center use CAD to enter and track emergency calls and determine resource status and availability. The CAD system also transmits incident information to operations personnel and resources through the OCFA's data network to fire stations, mobile data computers (that are installed in emergency vehicles and apparatus), and mobile phones utilized by command staff. CentralSquare, formerly known as TriTech, was awarded a contract for the purchase and implementation of the CAD system in 2012 as a result of a competitive Request for Proposal process.

The CentralSquare CAD software is proprietary and CentralSquare is the only vendor with the knowledge and capability to maintain and support the software. CentralSquare is continually offering additional products and enhanced functionality that may improve service delivery and emergency response capability. OCFA may procure these additional features based on operational needs. These additional licensed options and products may result in increases in the annual maintenance costs which can be accommodated by authorizing the Purchasing Manager to increase the contract by up to 10%.

## ***Recommendation***

The annual software support and maintenance cost is subject to an annual increase of 5%, or the Consumer Price Index percentage for the previous 12 months, whichever is less. Staff is requesting that the Executive Committee approve renewal of the support and maintenance services contract as provided in the attached rate schedule. Additional funding has also been requested to account for additional revisions, support, and maintenance that may be needed during the contract term.

## **Attachment(s)**

Five-Year Software and Maintenance Support Rate Schedule

**Orange County Fire Authority  
CentralSquare (Formerly TriTech) CAD Annual Software and  
Maintenance and Support Cost Schedule  
Information Technology**

<b>CentralSquare Dispatch and Mobile Software Estimated Annual Support and Maintenance</b>			
Note: Prices assume an annual increase of 5%.			
<b>Year 1</b>	<b>Sept. 9, 2019 – Sept. 8, 2020</b>	<b>\$</b>	<b>367,628.07</b>
<b>Year 2</b>	<b>Sept. 9, 2020 – Sept. 8, 2021</b>	<b>\$</b>	<b>386,009.47</b>
<b>Year 3</b>	<b>Sept 9, 2021 – Sept. 8, 2022</b>	<b>\$</b>	<b>405,309.95</b>
<b>Year 4</b>	<b>Sept. 9, 2022 – Sept. 8, 2023</b>	<b>\$</b>	<b>425,575.44</b>
<b>Year 5</b>	<b>Sept. 9, 2023 – Sept. 8, 2024</b>	<b>\$</b>	<b>446,854.22</b>
<b><i>Five-Year Total</i></b>		<b>\$</b>	<b><i>2,031,377.15*</i></b>

\* For Budget Purposes only. Final support costs will be adjusted with new licenses that are purchased.