

Educational Monay Merket

From the Office of SHARI L. FREIDENRICH, CPA, CCMT, CPFA, ACPFIM Orange County Treasurer



COUNTY OF ORANGE

TREASURER'S INVESTMENT REPORT For March 31, 2019

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OFFICE OF THE TREASURER-TAX COLLECTOR SHARI L. FREIDENRICH, CPA, CCMT, CPFA, ACPFIM



INTERDEPARTMENTAL COMMUNICATION

Date: April 16, 2019

To: Supervisor Lisa Bartlett, Chairwoman

Supervisor Michelle Steel, Vice-Chair

Supervisor Andrew Do Supervisor Don Wagner Supervisor Doug Chaffee

From: Shari L. Freidenrich, CPA, CCMT, CPFA, ACPFIM

Subject: Treasurer's Investment Report for the Month Ended March 31, 2019

Attached please find the Treasurer's Investment Report for the County of Orange for the month ended March 31, 2019. The County Treasurer provides this report in compliance with California Government Code Sections 53607, 53646, and 27134 and the County's Investment Policy Statement (IPS). We have included some charts and other data for your information including charts on fund composition and the top ten pool participants. This report is also publicly available on our website at ocgov.com/ocinvestments.

INVESTMENT POOL COMPOSITION

The investments contained within this report are as of March 31, 2019. The Investment Pool Statistics summary shows the total investment responsibility of the County Treasurer as delegated by the Board of Supervisors: the Orange County Investment Pool (OCIP) that includes the Voluntary Participants' funds, the Orange County Educational Investment Pool (OCEIP), the John Wayne Airport Investment Fund and various other non-Pooled investment funds. The investment practices and policies of the Treasurer are based on compliance with State law and prudent money management. The primary goal is to invest public funds in a manner which will provide maximum security of principal invested with secondary emphasis on providing adequate liquidity to Pool Participants and lastly to achieve a market rate of return within the parameters of prudent risk management while conforming to all applicable statutes and resolutions governing the investment of public funds.

The County Treasurer established three short-term funds, the Orange County Money Market Fund (OCMMF), the Orange County Educational Money Market Fund (OCEMMF), and the John Wayne Airport Investment Fund, which all are invested in cash-equivalent securities and provide liquidity for immediate cash needs. Standard & Poor's, on September 28, 2018, reaffirmed their highest rating of AAAm on the OCMMF and the OCEMMF. The County Treasurer also established the Extended Fund that is generally invested to meet longer-term cash needs up to five years. The Orange County Investment Pool is comprised of the Orange County Money Market Fund and portions of the Extended Fund. The Orange County Educational Investment Pool is comprised of the Orange County Educational Money Market Fund and portions of the Extended Fund.

The maximum maturity of investments for the OCMMF and the OCEMMF is 13 months, with a maximum weighted average maturity (WAM) of 60 days, and they have a current WAM of 24 and 38, respectively. The maximum maturity of investments for the John Wayne Airport Investment Fund is 15 months, with a maximum WAM of 90 days, and a current WAM of 85. The maximum maturity of the Extended Fund is five years, with duration not to exceed 1.5 years, and the duration is currently at 1.00. The investments in all of the funds are marked to market daily to calculate the daily fair value of the funds. To further maintain safety, adherence to an investment strategy of only purchasing top-rated securities and diversification of instrument types and maturities is required.

ECONOMIC UPDATE

In March 2019, the job market added 196,000 new jobs, and February's job numbers were revised upward by 13,000 to 33,000. The U.S. unemployment rate for March remained unchanged from February at 3.8%. The U.S. Gross Domestic Product fourth quarter rate decreased from the prior reported rate of 2.6% to 2.2%. The Empire State Manufacturing Index decreased to 3.7 from 8.8 in February. The Philadelphia Fed Index increased to 13.7, from -4.1 in February. The Federal Reserve uses these indexes as regional economic gauges, and a reading above zero signals economic expansion.

With respect to housing, S&P/CaseShiller reported that year-over-year housing prices increased for the eighty-first consecutive month in January, up 4.26% from a year ago, but has risen by an increasingly smaller amount for the past 11 months. The index for pending home sales decreased 5.0% on a year-over-year basis in February, and January's number was revised to -3.3%.

The 10-year Treasury rate decreased from 2.73% in February to 2.41% in March. The short-term 90-day T-bill decreased from 2.45% at the end of February to 2.40% at the end of March. The rate on the 2-year Treasury note was 2.27% at the end of March, down from 2.52% in February.

INVESTMENT INTEREST YIELDS AND FORECAST

The current gross interest yield year-to-date for fiscal year 2018/2019 is 1.95% for OCIP and 1.98% for OCEIP. The current net yield for fiscal year 2018/2019 is 1.89% for OCIP and 1.92% for OCEIP. The revised forecasted gross and net yields for fiscal year 2018/2019 for both OCIP and OCEIP are 2.15% and 2.09%, respectively.

APPORTIONMENT OF COMMINGLED POOL INTEREST EARNINGS

Each month, the County Treasurer apportions the accrued interest earnings to each pool participant. As of the first business day of the following month accrued, but unpaid, interest earnings are added to pool participants' average balances in determining a participant's relative share of the pool's monthly earnings. The actual cash distribution will generally be paid in the month following. The February 2019 and March 2019 interest apportionments are expected to be paid in May 2019 and June 2019, respectively. The investment administrative fee for fiscal year 2018/2019 is estimated at 5.9 basis points.

TEMPORARY TRANSFERS

The County Treasurer, as required by Constitution Article XVI, Section 6, and per the Board of Supervisor's Resolution 15-016, is authorized to make temporary transfers to school districts to address their short-term cash flow needs. The loans are secured by tax receipts to be received by the County Treasurer, as the banker for the school districts. There are no temporary transfers outstanding as of March 31, 2019.

PORTFOLIO HOLDINGS OF DEBT ISSUED BY POOL PARTICIPANTS

Under guidelines outlined in the current IPS, the County Treasurer may invest in "A" or above rated securities issued by municipalities. Municipal debt issued by the County of Orange is exempt from this credit rating requirement. The Investment Pools may invest no more than 5% of individual pool assets in any one issuer, with the exception of the County of Orange which has a 10% limit. The Investment Pools have a total market value of \$521 million in County of Orange debt, which represents approximately 5.5% of total pooled assets. Prior to purchasing any pool participant debt, a standardized credit analysis is performed.

COMPLIANCE SUMMARY

The investment portfolios had no compliance exceptions for the month of March, 2019. The Auditor-Controller issued their report on Review of the Schedule of Assets Held by the County Treasury as of September 30, 2018 stating that they were not aware of any material modifications that should be made to the schedule prepared on a modified cash basis of accounting except for the omission of all disclosures. The County Treasurer's current practice is to prepare all required disclosures only in the Schedule for each fiscal year-end and not for the quarterly reviews.

CREDIT UPDATE

During March, there was one change to the Treasurer's Approved Issuer List. Royal Bank of Canada NY was removed from the Approved Issuer List as it no longer meets the IPS criteria. An ongoing credit analysis of all issuers owned in the Investment Pools is reviewed on a daily, monthly, quarterly, and annual basis.

I certify that this report includes all pooled and non-pooled investments as of March 31, 2019 and is in conformity with all State laws and the IPS approved by the Board of Supervisors on December 18, 2018. The investments herein shown provide adequate liquidity to meet the next six months of projected cash flow requirements. I am available if you have any questions on this Investment Report at (714) 834-7625.

Enclosures

cc: Distribution List

ORANGE COUNTY TREASURER-TAX COLLECTOR SUMMARY OF INVESTMENT DATA INVESTMENT TRENDS

		MARCH 2019	F	EBRUARY 2019	INCREASE (DECREASE)	NET CHANGE %	MARCH 2018	INCREASE (DECREASE)	NET CHAN
Orange County Investment Pool (OCIF	2)								
End Of Month Market Value ¹	\$	4,625,822,303	\$	4,560,171,943	\$ 65,650,360	1.44%	\$ 4,710,391,312	\$ (84,569,009)	-1.8
End Of Month Book Value ¹	\$	4,622,198,029	\$	4,562,239,273	\$ 59,958,756	1.31%	\$ 4,731,135,231	\$ (108,937,202)	-2.
Monthly Average Balance	\$	4,488,298,221	\$	4,378,117,915	\$ 110,180,306	2.52%	\$ 4,567,508,436	\$ (79,210,215)	-1.
Year-To-Date Average Balance	\$	4,312,547,189	\$	4,290,578,310	\$ 21,968,879	0.51%	\$ 4,360,844,485	\$ (48,297,296)	-1.
Monthly Accrued Earnings ²	\$	8,292,593	\$	7,648,944	\$ 643,649	8.41%	\$ 5,430,359	\$ 2,862,234	52
Monthly Net Yield ²		2.11%		2.22%	-0.11%	-5.00%	1.34%	0.77%	57
Year-To-Date Net Yield ²		1.89%		1.86%	0.03%	1.80%	1.14%	0.75%	65
Annual Estimated Gross Yield ³		2.15%		2.15%	0.00%	0.00%	1.28%	0.87%	67
Weighted Average Maturity (WAM)		283		311	(28)	-8.99%	301	(18)	-5
Orange County Educational Investmen	it Pool (OCEIP)				\			
End Of Month Market Value ¹	\$	4,879,285,187	\$	4,983,299,574	\$ (104,014,387)	-2.09%	\$ 4,557,670,951	\$ 321,614,236	7.
End Of Month Book Value ¹	\$	4,875,368,957	\$	4,986,076,718	\$ (110,707,761)	-2.22%	\$ 4,580,244,594	\$ 295,124,363	6
Monthly Average Balance	\$	4,941,829,806	\$	5,078,152,146	\$ (136,322,340)	-2.68%	\$ 4,697,032,453	\$ 244,797,353	5
Year-To-Date Average Balance	\$	4,788,964,155	\$	4,769,855,948	\$ 19,108,207	0.40%	\$ 4,544,437,545	\$ 244,526,610	5.
Monthly Accrued Earnings ²	\$	9,324,468	\$	9,130,558	\$ 193,910	2.12%	\$ 5,664,112	\$ 3,660,356	64.
		2.15%		2.27%	-0.12%	-5.29%	1.35%	0.80%	59.
Monthly Net Yield ²				1.89%	0.03%	1.59%	1.14%	0.78%	68.
Monthly Net Yield ² Year-To-Date Net Yield ²		1.92%		1.0570					(0)0)
AND THE PROPERTY OF THE PROPER		1.92% 2.15%		2.15%	0.00%	0.00%	1.30%	0.85%	65.

¹ Market values provided by Bloomberg and Northern Trust.

² In March 2019, The OCIP and OCEIP Monthly Accrued Earnings, Monthly Net Yields and Year-To-Date Net Yields were higher than the prior year primarily due to the eight Federal Reserve short-term rate increases totaling 2.00% since November 2016.

The OCIP and OCEIP annual estimated gross yields for March 2019 are reported at the actual annual gross yields for FY 17/18, and their annual estimated gross yields for March 2019 are reported at the latest forecasted gross yield of 2.15%. The OCIP and OCEIP annual estimated gross yields for FY 18/19 are higher than FY 17/18 yields of 1.28% and 1.30% respectively, primarily due to the eight Federal Reserve short-term rate increases totaling 2.00% since November 2016.

ORANGE COUNTY TREASURER-TAX COLLECTOR

INVESTMENT POOL STATISTICS

FOR THE MONTH AND QUARTER ENDED: March 31, 2019

	INVESTMENT STAT	STIC	S - By Inves	tment Pr	nol ⁽¹⁾				
	INVESTMENT STATE	3110	20 - Dy Ilives	Average	Dally Yield			1	
				Days to Maturity	as of 03/31/2019	MONTHLY Gross Yield	QUARTER Gross Yield		Current NAV (4)
DESCRIPTION	CURRENT BALA	NCES	3	-	-			1	
COMBINED POOL BALANCES (includes the Extended Fund)									
the Extended Fund)									
	MARKET Value	e \$	4,625,822,303	283	2.29%	2.17%	2.19%		1.00
	COST (Capital) \$	4,616,739,098						
Orange County Investment Pool (OCIP)	MONTHLY AVG Balance	\$	4,488,298,221						
	QUARTERLY AVG Balance	\$	4,434,545,444						
	BOOK Value	\$	4,622,198,029						
	MARKET Value	\$	4,879,285,187	323	2.28%	2.21%	2.24%		1.00
	COST (Capital		4,869,848,235				2.2.7,0		
Orange County Educational Investment Pool (OCEIP)	MONTHLY AVG Balance		4,941,829,806						
1 351 (33211)	QUARTERLY AVG Balance	\$	5,107,038,144						
	BOOK Value	\$	4,875,368,957						
					. (2)				
	INVESTMENT STATIST		Non-Pooled	Investm	00000				
DESCRIPTION	CURRENT BAL	ANCE			INV	ESTMENT I	BALANCES AT C	OST	
Specific Investment	MARKET Volum		404 000 050	1.1					40.000.700
Funds:	MARKET Value	5.5	104,326,952			t Investmen			48,266,786
283, FVSD, CCCD	COST (Capital) MONTHLY AVG Balance		103,737,648 106,819,794	1	i valley Scr eries 2017E	ool District	Funa 40		34,723,562
	QUARTERLY AVG Balance		106,861,636	CCCDS	eries 2017E	bonus			20,747,300
	BOOK Value		103,734,080						
	BOOK Value	•	100,704,000					\$	103,737,648
•				**	Water Williams				
	MONTH	I EN	D TOTALS						
INVEST	MENTS & CASH					INVESTM	ENTS & CASH		
COUNTY MONEY MARKET FUND (OCMMF)									
County Money Market Fund		\$	1,195,574,680	OCIP				\$	4,838,933,021
County Cash & Cash Equivalent (4)			222,193,923	OCEIP					4,886,382,688
EXTENDED FUND			7,554,547,687	Specific	Investment	Funds			103,737,648
EDUCATIONAL MONEY MARKET FUND (OCEMM	<u>F)</u>			Non-Poo	led Cash &	Cash Equiv	alent (4)		21,071,053
Educational Money Market Fund			736,464,967						
Educational Cash & Cash Equivalent (4)			16,534,452						
NON-POOLED INVESTMENTS									
Non-Pooled Investments @ Cost			103,737,648						
Non-Pooled Cash & Cash Equivalent ⁽⁴⁾		\$	21,071,053 9,850,124,410					\$	9,850,124,410
		4	3,830,124,410					4	9,630,124,410
	KEY PO	OL S	TATISTICS						
INTERE	ST RATE YIELD				WEIGH	TED AVERA	GE MATURITY	(WAM)
OCMMF - MONTHLY GROSS YIELD			2.10%	OCMMF					24
OCEMMF - MONTHLY GROSS YIELD			2.36%	OCEMMF					38
JOHN WAYNE AIRPORT - MONTHLY GROSS YIEL	D		2.48%	JOHN WAY	YNE AIRPO	RT WAM			85
OCIP - YTD NET YIELD(3)			1.89%	LGIP WAM	(Standard	& Poors)			38
OCEIP - YTD NET YIELD ⁽³⁾			1.92%						
90-DAY T-BILL YIELD - MONTHLY AVERAGE			2.43%						

ORANGE COUNTY TREASURER-TAX COLLECTOR

INVESTMENT POOL STATISTICS

FOR THE MONTH AND QUARTER ENDED: March 31, 2019

	INVESTMENT STATIS	TICS - By Inves	tment F	und			
DESCRIPTION	CURRENT BALAN	CES	Average Days to Maturity	Daily Yield as of 03/31/2019	MONTHLY Gross Yield	QUARTER Gross Yield	Current NAV ⁽⁴⁾
County Money Market Fund (OCMMF)	MARKET Value COST (Capital) MONTHLY AVG Balance QUARTERLY AVG Balance BOOK Value	\$ 1,195,574,680 \$ 975,738,154 \$ 870,187,162	24	2.42%	2.10%	2.03%	1.00
Educational Money Market Fund (OCEMMF)	MARKET Value S COST (Capital) S MONTHLY AVG Balance S QUARTERLY AVG Balance S BOOK Value S	736,464,967 763,695,051 888,797,962	38	2.42%	2.36%	2.34%	1.00
Extended Fund	MARKET Value \$ COST (Capital) \$ MONTHLY AVG Balance \$ QUARTERLY AVG Balance \$ BOOK Value \$	7,554,547,687 7,690,694,822 7,782,598,463	373	2.26%	2.20%	2.22%	1.00
	ALLOCATION O	F EXTENDED F	UND	WHA!		المارينيا أ	
Extended Fund OCIP Share	MARKET Value \$ COST (Capital) \$ MONTHLY AVG Balance \$ QUARTERLY AVG Balance \$ BOOK Value \$	3,421,164,418 3,512,560,068 3,564,358,282	373	2.26%	2.20%	2.22%	1.00
OCEIP Share	MARKET Value \$ COST (Capital) \$ MONTHLY AVG Balance \$ QUARTERLY AVG Balance \$ BOOK Value \$	4,141,370,158 4,133,383,269 4,178,134,755 4,218,240,182 4,138,034,215	373	2.26%	2.20%	2.22%	1.00
Modified Duration		1.00					

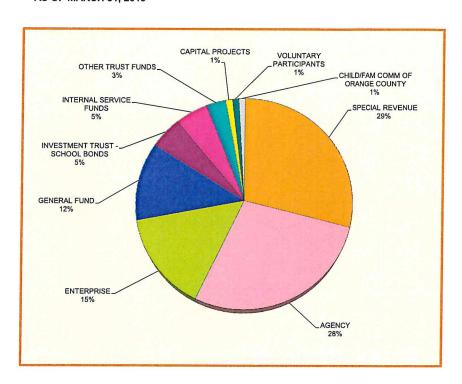
⁽¹⁾ The Combined Pool Balances include the County and Educational Money Market Funds and their respective portions of the Extended Fund.
(2) Specific non-pooled investments are reported in compliance with Government Code Section 53646 (b)(1). Detailed descriptions are included in the inventory listing in Section VII of this report.

⁽³⁾ The Net Yield differs from the Monthly Gross Yield as it includes the deduction of the Investment Administrative Fee.

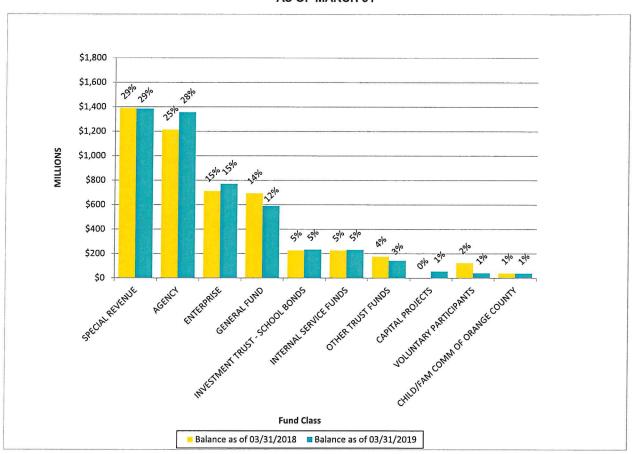
⁽⁴⁾ Balances include investments matured on 3/31/2019 (Sunday), cash was not received until 4/1/2019 (Monday)

ORANGE COUNTY INVESTMENT POOL COMPOSITION BY FUND AS OF MARCH 31, 2019

FUNDS		BALANCE
SPECIAL REVENUE	\$	1,385,364,514
AGENCY		1,355,985,743
ENTERPRISE		770,356,521
GENERAL FUND		589,714,542
INVESTMENT TRUST - SCHOOL BONDS		232,862,040
INTERNAL SERVICE FUNDS		230,645,970
OTHER TRUST FUNDS		141,841,269
CAPITAL PROJECTS		53,655,880
VOLUNTARY PARTICIPANTS		40,322,414
CHILD/FAM COMM OF ORANGE COUNTY		38,184,128
TOTAL	S	4.838.933.021

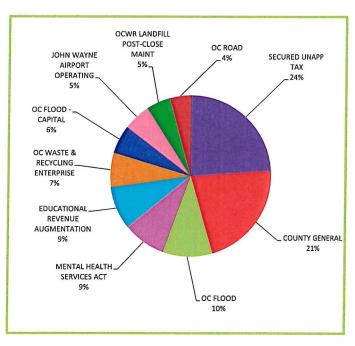


ORANGE COUNTY INVESTMENT POOL COMPOSITION BY FUND AS OF MARCH 31



ORANGE COUNTY INVESTMENT POOL TOP TEN POOL PARTICIPANTS AS OF MARCH 31, 2019

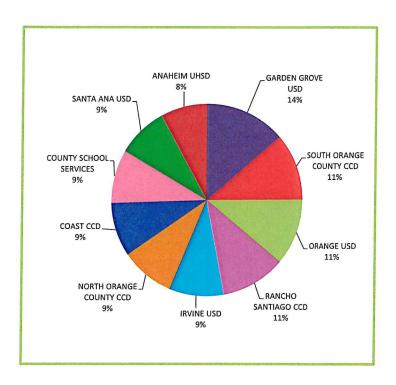
FUND#	FUND NAME	BALANCE			
673	SECURED UNAPP TAX	s	651,398,574		
100	COUNTY GENERAL		589,690,944		
400	OC FLOOD		272,435,802		
13Y	MENTAL HEALTH SERVICES ACT		236,588,899		
664	EDUCATIONAL REVENUE AUGMENTATION		236,036,354		
299	OC WASTE & RECYCLING ENTERPRISE		188,120,798		
404	OC FLOOD - CAPITAL		156,556,887		
280	JOHN WAYNE AIRPORT OPERATING		150,360,733		
279	OCWR LANDFILL POST-CLOSE MAINT		132,478,414		
115	OC ROAD		116,268,942		
	TOTAL	\$	2,729,936,347		



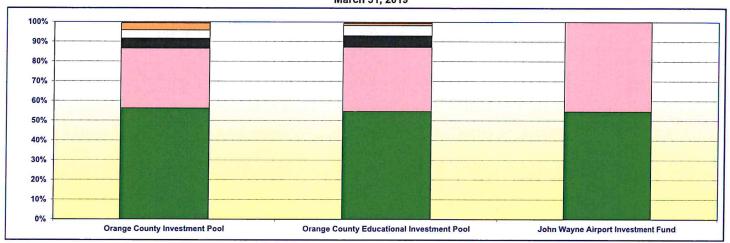
ORANGE COUNTY EDUCATIONAL INVESTMENT POOL TOP TEN POOL PARTICIPANTS AS OF MARCH 31, 2019

	DISTRICT #	SCHOOL DISTRICT	В	BALANCE (1)	
1	72	GARDEN GROVE USD	\$	413,713,179	(1)
.00	96	SOUTH ORANGE COUNTY CCD		343,802,628	
- 10	80	ORANGE USD		339,384,329	(1)
	92	RANCHO SANTIAGO CCD		333,455,128	(1)
	75	IRVINE USD		280,353,560	(1)
	88	NORTH ORANGE COUNTY CCD		278,368,254	(1)
	90	COAST CCD		277,607,264	(1)
	94	COUNTY SCHOOL SERVICES		274,029,866	
	84	SANTA ANA USD		259,230,878	(1)
1	64	ANAHEIM UHSD		242,426,436	(1)
-		TOTAL	\$ 3,	042,371,522	

(1) BALANCES INCLUDE GENERAL OBLIGATION BOND PROCEEDS



ORANGE COUNTY TREASURER - TAX COLLECTOR BY INVESTMENT TYPE AT MARKET VALUE - By Percentage Holdings March 31, 2019



Orange County Invest	tmer	nt Pool			
	In Thousands				
U. S. GOVERNMENT AGENCIES	\$	2,599,798	56.20%		
U. S. TREASURIES		1,402,145	30.31%		
MUNICIPAL DEBT		235,960	5.10%		
MEDIUM-TERM NOTES		193,253	4.18%		
MONEY MARKET MUTUAL FUNDS		165,975	3.59%		
LOCAL AGENCY INVESTMENT FUND		28,691	0.62%		
CERTIFICATES OF DEPOSIT			0.00%		
	\$	4,625,822	100.00%		

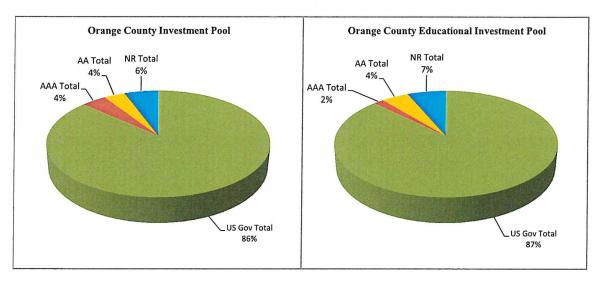
Orange County Educational	inves	tment Pool	
	In	Thousands	9/
U. S. GOVERNMENT AGENCIES	\$	2,666,296	54.65%
U. S. TREASURIES		1,587,683	32.54%
MUNICIPAL DEBT		285,083	5.84%
MEDIUM-TERM NOTES		253,622	5.20%
MONEY MARKET MUTUAL FUNDS		51,938	1.06%
LOCAL AGENCY INVESTMENT FUND		34,664	0.71%
CERTIFICATES OF DEPOSIT		-	0.00%
	\$	4,879,285	100.00%

John Wayne Airport In	vestme	nt Fund	
	In T	housands	%
U. S. GOVERNMENT AGENCIES U. S. TREASURIES MONEY MARKET MUTUAL FUNDS	Ş	26,489 21,980 5	54.65% 45.34% 0.01%
	\$	48,474	100.00%

ORANGE COUNTY TREASURER - TAX COLLECTOR

CREDIT QUALITY BY MARKET VALUE

March 31, 2019



US GOV Includes Agency & Treasury Debt

AA includes AA+, AA-, & AA

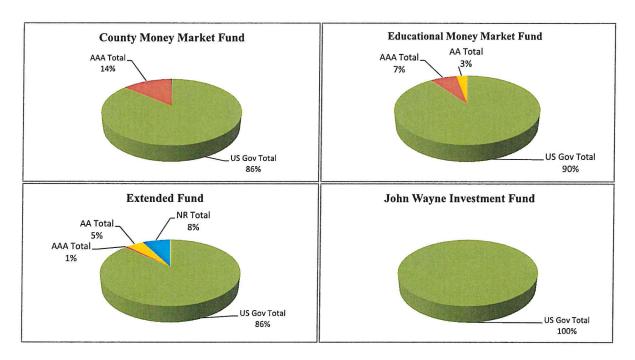
A includes A+, A-, & A

NR Includes LAIF and Orange County Pension Obligation Bonds

ORANGE COUNTY TREASURER - TAX COLLECTOR

CREDIT QUALITY BY MARKET VALUE

March 31, 2019



US GOV Includes Agency & Treasury Debt

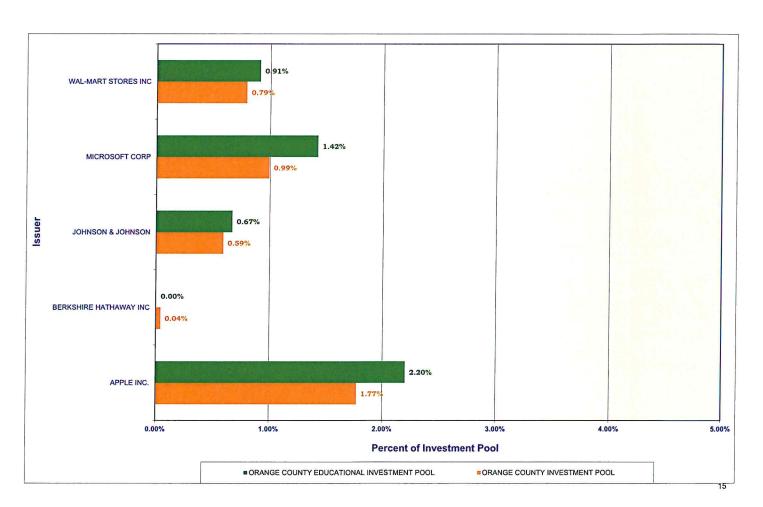
AA includes AA+, AA-, & AA

A includes A+, A-, & A

NR Includes LAIF and Orange County Pension Obligation Bonds

ORANGE COUNTY TREASURER - TAX COLLECTOR

MEDIUM-TERM NOTES / CERTIFICATES OF DEPOSIT ISSUER CONCENTRATION-By Investment Pool March 31, 2019



ORANGE COUNTY TREASURER-TAX COLLECTOR APPROVED ISSUER LIST - OCIP, OCEIP, and JWA

March 31, 2019

ISSUER	S/T RATINGS				L/T RATINGS			
	S&P	Moody's	Fitch	S&P	Moody's	Fitch		
U.S. TREASURY	SECURITII	E.S						
U.S. GOVERNMENT	A-1+	P-1	F1+	AA+	Aaa	AAA		
U.S. GOVERNMENT AG	ENCY SEC	URITIES						
FEDERAL NATIONAL MORTGAGE ASSOCIATION	A-1+	P-1	F1+	AA+	Aaa	AAA		
FEDERAL HOME LOAN MORTGAGE CORPORATION	A-1+	P-1	F1+	AA+	Aaa	AAA		
FEDERAL HOME LOAN BANKS	A-1+	P-1	NR	AA+	Aaa	NR		
FEDERAL FARM CREDIT BANKS	A-1+	P-1	F1+	AA+	Aaa	AAA		
MEDIUM-TER	RM NOTES							
APPLE INC	A-1+	P-1	NR	AA+	Aal	NR		
JOHNSON & JOHNSON	A-1+	P-1	F1+	ААА	Aaa	AAA		
MICROSOFT CORPORATION	A-1+	P-1	F1+	AAA	Aaa	AA+		
ISSUERS ON	HOLD							
TORONTO DOMINION BANK NY (MARCH, 2017) *	A-1+	P-1	F1+	AA-	Aa3	AA-		
WALMART INC (JULY, 2018)**	A-1+	P-1	F1+	AA	Aa2	AA		
MUNICIPAL	BONDS							
ORANGE CNTY CA PENSION OBLG 2018 A	NR	NR	NR	NR	NR	NR		
ORANGE CNTY CA PENSION OBLG 2019 A	NR	NR	NR	NR	NR	NR		
STATE POOL - LOCAL AGEN	CY INVEST	IMENT F	UND					
LOCAL AGENCY INVESTMENT FUND	NR	NR	NR	NR	NR	NR		
MONEY MARKET MU	TUAL FUN	DS ***						
NAME OF FUND	Sa	& P	Moo	dy's	Fitel	1		
INVESCO GOVERNMENT & AGENCY SHORT-TERM INVESTMENTS TRUST (AIM)	AA	.Am	Aaa	-mf	АААп	ımf		
GOLDMAN SACHS FINANCIAL SQUARE GOVT FUND	AA	.Am	Aaa	-mf	NR			
MORGAN STANLEY INSTITUTIONAL LIQUIDITY FUNDS - GOVT	AA	Am	Aaa	-mſ	NR			
NORTHERN INSTITUTIONAL TREASURY PORTFOLIO	AA	Am	NI	R	NR			

^{*} Moody's downgraded its L/T issuer credit rating from Aa2 to A2 on September 24, 2018 and kept the issuer rating Outlook on Stable.

^{***} All money market funds are institutional money market funds investing in debt issued or guaranteed by the U.S. Government and its agencies.

ISSUERS - NO LONGER ON APPROVED ISSUER LIST ****											
BERKSHIRE HATHAWAY INC	A-1+	P-I	NR	AA	Aa2	A+					
BERKSHIRE HATHAWAY FINANCE	NR	NR	NR	NR	Aa2	A+					

^{****} Berkshire Hathaway, and Berkshire Hathaway Finance were removed from the Approved Issuer List as the 2019 Investment Policy Statement now requires a minimum issuer credit rating of AA. Current holdings of these two issuers are less than \$2 million as of March 31, 2019.

^{**} S&P placed its L/T issuer credit rating on Negative Outlook (S&P - May 9, 2018).

Orange County Treasurer-Tax Collector Changes in Approved Issuer's List For the Month Ended March 31, 2019

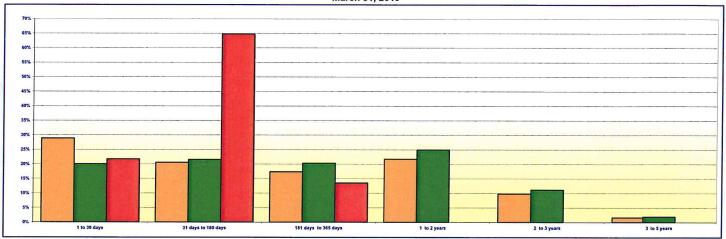
During March, there was one change to the Treasurer's Approved Issuer List.

• Royal Bank of Canada NY was removed from the Approved Issuer List as it no longer meets the 2019 Investment Policy minimum credit rating.

An ongoing credit analysis of all issuers owned in the Investment Pools is reviewed on a daily, monthly, quarterly, and annual basis.

ORANGE COUNTY TREASURER - TAX COLLECTOR MATURITIES DISTRIBUTION

March 31, 2019

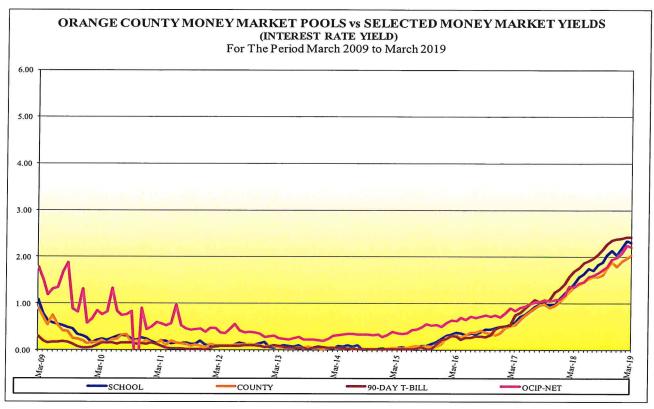


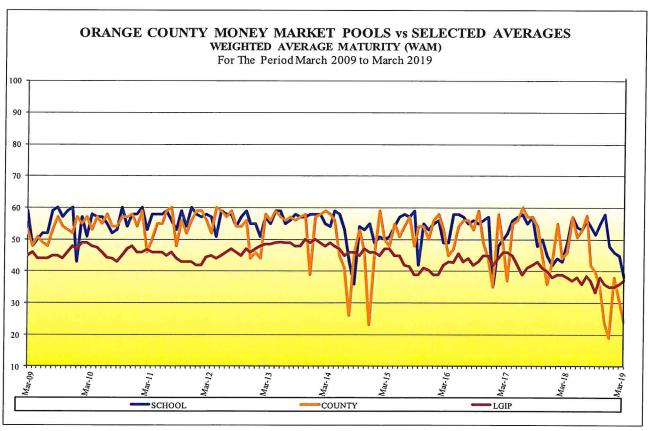
	ORANG	SE COUNTY INVESTME	NT POOL
	In 1	Thousands (1)(2)	%
1 TO 30 DAYS	\$	1,335,676	28.85%
31 TO 180 DAYS		952,065	20.57%
181 TO 365 DAYS		804,855	17.39%
1 YEAR TO 2 YEARS		1,007,780	21.77%
2 YEARS TO 3 YEARS		451,949	9.76%
3 YEARS TO 5 YEARS		77,202	1.66%
TOTAL	s	4,629,527	100.00%

TOTAL	\$	4,882,673	100.00%
3 YEARS TO 5 YEARS		93,275	1.91%
2 YEARS TO 3 YEARS		546,035	11.18%
1 YEAR TO 2 YEARS		1,217,580	24.94%
181 TO 365 DAYS		991,980	20.32%
31 TO 180 DAYS		1,055,173	21.61%
1 TO 30 DAYS	\$	978,630	20.04%
		n Thousands (1)(2)	%
	ORANG	E COUNTY EDUCATIONAL IN	VESTMENT POOL

	In Th	ousands (1)(2)	%
1 TO 30 DAYS	\$	10,580	21.74%
31 TO 180 DAYS		31,505	64.74%
181 TO 365 DAYS		6,580	13.52%
TOTAL	\$	48,665	100.00%

⁽¹⁾ Maturity limits are calculated using face value.
(2) Floating Rate Notes are deemed to have a maturity date equal to their next interest reset date. At 3/31/2019, Floating Rate Notes comprise 1.24%, 1.42%, and 0.00% of the Orange County Investment Pool, Orange County Educational Investment Pool, and JWA Investment Fund respectively.





ORANGE COUNTY TREASURER-TAX COLLECTOR INVESTMENT POOL YIELDS

April 1, 2018 - March 31, 2019

					GROSS	
		MONTHEND				
PERIOD ENDING - MONTH / YEAR		MONTH END			AVERAGE	
		MARKET	- C - C - C - C - C - C - C - C - C - C	EARNINGS	YIELD FOR	MONTH
		VALUE	F	OR MONTH	MONTH	END WAM
Current Month March 2019						
OCMMF	\$			1,739,523	2.10%	24
OCEMMF	\$		\$	1,530,983	2.36%	38
Extended Fund	\$	7,569,145,253	\$	14,346,556	2.20%	373
February 2019						
OCMMF	\$		\$	1,227,662	2.03%	31
OCEMMF	\$	and the second s	\$	1,685,905	2.41%	45
Extended Fund	\$	7,765,300,719	\$	13,865,935	2.33%	385
January 2019						
OCMMF	\$		\$	1,417,661	1.97%	38
OCEMMF	\$	1,016,881,693	\$	1,897,863	2.26%	46
Extended Fund	\$	7,842,914,574	\$	14,377,035	2.14%	389
December 2018						
OCMMF	\$	1,321,837,296	\$	2,309,322	1.86%	19
OCEMMF	\$	1,024,704,481	\$	1,562,262	2.11%	48
Extended Fund	\$	8,032,587,705	\$	13,770,790	2.07%	367
November 2018						
OCMMF	\$	1,359,045,595	\$	1,894,822	1.95%	24
OCEMMF	\$	947,430,723	\$	1,566,598	2.20%	58
Extended Fund	\$	6,985,523,091	\$	11,064,795	1.99%	430
October 2018						
OCMMF	\$	1,261,626,895	\$	1,497,056	1.81%	35
OCEMMF	\$	806,665,529	\$	1,627,455	2.11%	55
Extended Fund	\$	6,608,660,258	\$	10,301,655	1.82%	444
OC Extended Fund B	\$	•	\$	87	N/A	N/A
September 2018						
OCMMF	\$	623,483,218	\$	825,257	1.68%	40
OCEMMF	\$	964,913,807	\$	1,694,095	1.95%	51
Extended Fund	\$	6,595,008,880	\$	9,646,462	1.77%	420
OC Extended Fund B	\$		\$	174,919	N/A	N/A
August 2018						
OCMMF	\$	659,580,340	\$	768,838	1.64%	42
OCEMMF	\$	1,135,219,335	\$	2,041,031	1.90%	54
Extended Fund	\$	6,595,429,549	\$	9,597,798	1.69%	414
July 2018						
OCMMF	\$	519,462,662	\$	949,885	1.64%	58
OCEMMF	\$	1,430,530,269	\$	2,265,416	1.77%	56
Extended Fund	\$	6,644,200,611	\$	9,464,408	1.65%	432
June 2018						
OCMMF	\$	763,523,217	\$	1,395,560	1.60%	53
OCEMMF	\$	1,586,960,674	\$	2,142,715	1.81%	53
Extended Fund	\$	6,600,606,705	\$	8,820,686	1.60%	419
May 2018						
OCMMF	\$	1,271,767,146	\$	1,895,963	1.54%	51
OCEMMF	\$	1,507,610,060	\$	2,273,000	1.71%	54
Extended Fund	\$	6,615,441,734	\$	8,444,349	1.48%	414
April 2018						
OCMMF	\$	1,677,026,990	\$	2,621,771	1.47%	57
OCEMMF	\$	1,715,592,154	\$	1,887,341	1.64%	57
Extended Fund	\$	6,661,112,140	\$	8,045,347	1.46%	397
	Α	verage Month				
Fiscal Year July 1, 2018 - June 30, 2019		d Market Value	la-A	YTD	YTD Cross Viold	YTD
		Balance	inte	rest Income	Gross Yield	Average
OCIP	\$	4,342,392,413	\$	63,146,271	1.95%	326
OCEIP	\$	4,785,765,739	\$	71,790,794	1.98%	332
OC Extended Fund B	\$	THE RESIDENCE OF THE PARTY OF T	\$	175,006	N/A	N/A

ORANGE COUNTY TREASURER-TAX COLLECTOR CASH AVAILABILITY PROJECTION

FOR THE SIX MONTHS ENDING SEPTEMBER 30, 2019

Government Code Section 53646 (b) (3), effective on January 1, 1996, requires the Treasurer-Tax Collector to include a statement in the investment report, denoting the ability of the Orange County Investment Pool (OCIP) and the Orange County Educational Investment Pool (OCEIP) to meet their expenditure requirements for the next six months.

The OCIP and OCEIP consist of funds in the treasury deposited by various entities required to do so by statute, as well as those entities voluntarily depositing monies in accordance with Government Code Section 53684.

The Treasurer-Tax Collector is required to disburse monies placed in the treasury as directed by the Auditor-Controller and the Department of Education, except for the making of legal investments, to the extent funds are transferred to one or more clearing funds in accordance with Government Code Section 29808.

The Treasurer-Tax Collector, in her projection of cash availability to disburse funds as directed by the Auditor-Controller and the Department of Education, is primarily relying on historical trends involving deposits and withdrawals and known future cash flows. No representation is made as to an individual depositor's ability to meet their anticipated expenditures with anticipated revenues.

The Cash Availability Projection for the six months ending September 30, 2019, indicates the ability of the pools to meet projected cash flow requirements. However, there will usually be differences between projected and actual results because events and circumstances frequently do not occur as expected and those differences may be material.

	ORANGE COUNTY INVESTMENT POOL								
		Investment		Projected		Projected		Cumulative	
Month		Maturities		Deposits		Disbursements		Available Cash	
March 2019 - Ending	Cash						\$	222,193,923	(1)
April	\$	1,424,061,574	\$	2,239,821,919	\$	1,900,681,716		1,985,395,700	
May		552,471,359		333,476,285		815,264,441		2,056,078,903	
June		34,793,920		309,109,230		719,338,969		1,680,643,084	
July		170,783,037		323,263,727		713,825,602		1,460,864,246	
August		157,884,992		422,804,346		375,293,513		1,666,260,071	
September		128,899,332		404,279,065		463,016,433		1,736,422,035	

	ORA	NGE COUNTY	EI EI	DUCATIONAL	INV	ESTMENT P	001	_	
		Investment		Projected		Projected		Cumulative	
Month		Maturities		Deposits	D	isbursements		Available Cash	
March 2019 - Ending	Cash						\$	16,534,452 ^{(*}	1)
April	\$	1,052,143,539	\$	1,146,637,286	\$	752,662,958		1,462,652,319	
May		532,869,502		493,682,748		715,333,708		1,773,870,861	
June		66,406,088		591,401,237		665,332,626		1,766,345,560	
July		207,592,160		249,077,007		547,872,278		1,675,142,449	
August		213,113,444		199,180,529		562,682,578		1,524,753,844	
September		148,607,955		565,524,060		666,268,423		1,572,617,436	

⁽¹⁾ Balances include investments matured on 3/31/2019 (Sunday), but cash was not received until 04/01/2019

ORANGE COUNTY TREASURER-TAX COLLECTOR

STATEMENT OF ACCOUNTABILITY

For the Month and Quarter Ended March 31, 2019

	Month	Quarter
Treasurer's Accountability at the Beginning of the Period:	\$ 9,686,106,440	\$10,521,409,361
Cash Receipts:		
County	938,759,986	2,117,275,789
School and Community College Districts	640,165,241	1,883,170,799
Total Cash Receipts	1,578,925,227	4,000,446,588
Cash Disbursements:		
County	672,724,340	2,294,323,963
School and Community College Districts	740,071,582	2,373,850,698
Total Cash Disbursements	1,412,795,922	4,668,174,661
Net Change in Cost Value of Pooled Assets	166,129,305	(667,728,073)
Net Increase in Non-Pooled Investments	138,670	425,496
Net Decrease in Non-Pooled Cash	(2,250,005)	(3,982,374)
Treasurer's Accountability at the End of the Period:	\$ 9,850,124,410	\$ 9,850,124,410
Pooled Investments: Orange County Investment Pool Orange County Educational Investment Pool Total Pooled Investments		\$ 4,616,739,098 4,869,848,235 9,486,587,333
Non-Pooled Investments:		
Non-Pooled Investments - John Wayne Airport		48,266,786
Non-Pooled Investments - Fountain Valley School District F	und 40	34,723,562
Non-Pooled Investments - CCCD Series 2017E Bonds		20,747,300
Total Non-Pooled Investments		103,737,648
Cash and Cash Equivalent:		
Cash in banks - County ⁽¹⁾		222,029,634
Cash in banks - Schools (1)		16,534,452
Cash in banks - OC Sheriff		9,887,723
Cash in banks - John Wayne Airport (1)		11,183,331
Cash - Other		164,289
Total Cash		259,799,429
Total Assets in the Treasury at the End of the Period:		\$ 9,850,124,410
⁽¹⁾ Balances include investments matured on 3/31/2019 (Sunday), but cash w	as not received until 04/	01/2019 (Monday).

ORANGE COUNTY TREASURER-TAX COLLECTOR INVESTMENT POLICY (IPS) COMPLIANCE SUMMARY March 31, 2019

	-	_	360000000000000000000000000000000000000									
Investment Policy (IPS) Guidelines			Orange County Money Market Fund			Extended Fund			Orange County Ed Money Market		John Wayne Airport Investment Fund	
Diversification Limit	Investment Type		Market Value of Investments ⁽¹⁾	Percent of Portfolio		Market Value of Investments (1)	Percent of Portfolio		Market Value of Investments ⁽¹⁾	Percent of Portfolio	Market Value of Investments (1)	Percent of Portfolio
100%	U.S. Treasuries Securities	\$	418,493,195	34.93%	Г	\$ 2,172,081,152	28.70%	1	399,253,485	54.11%	\$ 21,980,461	45.34%
100%	U.S. Government Agency Securities		611,953,568	51.08%	Ш	4,389,518,293	57.99%		264,621,812	35.86%	26,489,219	54.65%
20%	Municipal Debt			0.00%	Н	521,043,000	6.88%			0.00%		0.00%
20%	Medium-Term Notes		1,625,423	0.14%	П	423,148,600	5.59%		22,101,341	3.00%	1 -	0.00%
40%	Banker Acceptances	1		0.00%	Ш		0.00%	1	-	0.00%		0.00%
40%	Commercial Paper		-	0.00%	Ш		0.00%	П		0.00%		0.00%
20%	Negotiable Certificates of Deposits		-	0.00%		-	0.00%	1	-	0.00%		0.00%
\$65MM	Local Agency Investment Fund (LAIF)	1		0.00%	П	63,354,208	0.84%	П		0.00%		0.00%
20%	Repurchase Agreements		-	0.00%			0.00%	1	-	0.00%		0.00%
20%	Money Market Mutual Funds (MMMFs)		165,975,022	13.85%		-	0.00%		51,938,391	7.03%	4,737	0.01%
20%	JPA Investment Pools (JPA)	1	-	0.00%		-	0.00%	1	-	0.00%	5=	0.00%
30%	Supranationals			0.00%	L		0.00%	L	-	0.00%		0.00%
		\$	1,198,047,208	100.00%		\$ 7,569,145,253	100.00%	\$	737,915,029	100.00%	\$ 48,474,417	100.00%

Investment Policy (IPS) Guidelines	Compliance Category (Yes/No)	Orange County Money Market Fund	Extended Fund	Orange County Educational Money Market Fund	John Wayne Airport Investment Fund
	Percentage Limits				
5%	Issuer Limit	Yes	Yes	Yes	Yes
20%	MMMFs, JPA, Repurchase Agreements	Yes ⁽³⁾	N/A	Yes ⁽³⁾	Yes
100%	Government Agencies Issuer	Yes (4)	Yes (4)	Yes ⁽⁴⁾	Yes (4)
See Above	Diversification Limit	Yes	Yes	Yes	Yes
	Maturity/Duration Limits				
60 Days	Weighted Average Maturity - Money Market Fund	Yes/23.67	N/A	Yes/38.18	N/A
90 Days	Weighted Average Maturity - JWA Investment Fund	N/A	N/A	N/A	Yes/84.79
1.5 Years	Duration ⁽⁵⁾	N/A	Yes/1.00	N/A	N/A
13 Months/397 days	Final Maturity - Money Market Fund	Yes/179	N/A	Yes/207	N/A
15 Months/458 days	Final Maturity - John Wayne Airport Investment Fund	N/A	N/A	N/A	Yes/321
5 Years/1826 days	Final Maturity - Extended Fund	N/A	Yes/1275	N/A	N/A
	Rating Limits				
A-1/> AA (2)	Money Market Fund Short Term/Long Term	Yes	N/A	Yes	Yes
> A-1/P-1/F2	Short Term Debt/No Split Ratings	Yes	N/A	Yes	Yes
A-1/> AA (2)	Extended Fund Short Term/Long Term	N/A	Yes	N/A	N/A
Approved Issuer List	Authorized Issuer	Yes	Yes	Yes	Yes
Broker/Dealer List	Authorized Financial Dealer/Institution	Yes	Yes	Yes	Yes
>0.9975	Net Asset Value - Money Market Fund and JWA	1.0007	N/A	Yes/1.0008	Yes/1.0010

⁽¹⁾ All investments are marked to market in compliance with the narrow valuation range prescribed by the IPS and market values are provided by Bloomberg Professional Services and Northern Trust.

(2) Excludes US Government Debt per the 2019 IPS policy approved by the Board of Supervisors on December 18, 2018 effective on January 1, 2019.

(3) IPS requirements further limit investments in each MMMF account, JPA pool and repurchase agreement issuer to 10%.

(4) Rating Agency requirements limit the investments in U.S. Covernment Agency Securities to 33% for the Mnoney Market Funds.

(5) Duration provided above (1.04) is a modified duration, which does not take into consideration all embedded options such as callable bonds.

Note: Compliance exceptions, if any, are noted by red shading for the specific IPS guideline and investment pool.

ORANGE COUNTY TREASURER-TAX COLLECTOR INVESTMENT POLICY (IPS) AND TREASURY OVERSIGHT COMMITTEE (TOC) COMPLIANCE SUMMARY March 31, 2019

	RESPONSIBLE		A Later of Company of the State of the Company
COMPLIANCE CATEGORY	PARTY	REGULATORY/POLICY GUIDELINES	CURRENT STATUS
Annual Compliance Audit	TOC	Performance Evaluation-Cal Govt. Code 27134	Calendar year 2016 and six months ended 6/30/17 in progress. Anticipate issuance April, 2019
Quarterly Statement of Assets Review	AC	Performance Evaluation-Cal Govt. Code 26920(a)	September 30, 2018 completed - see Oct 18 report; December 31, 2018 in progress.
Annual Statement of Assets Audit	AC	Performance Evaluation-Cal Govt. Code 26920(b)	Annual audit as of June 30, 2018 in progress.
Quarterly Compliance Monitoring	TOC	TOC Directive	December 31, 2018 in progress.
Investment Administrative Fee	ттс	Compensation Agreement-Cal Govt. Code 27013	FY 16/17 and FY 17/18 in progress.
Annual Broker/Dealer Review	TTC	Authorized Financial Dealers and Qualified Institutions	Calendar year 2017 completed. Calendar year 2018 in progress.
Annual Broker/Dealer IPS Certification	ттс	Authorized Financial Dealers and Qualified Institutions	All 2018 IPS certifications received for active approved brokers.
IPS Compliance Deficiencies	TTC	Investment/Diversification/Maturity Restrictions/Form 700	FY 18/19 identified three compliance incidents as of March 31, 2019.
TOC Bylaw Changes	BOS	TOC Review and BOS Annual Approval	The TOC reviewed Bylaws and made no changes at the November 19, 2018 meeting. No BOS approval required.
Annual IPS Approval	BOS	TOC Review and BOS Annual Approval	The TOC reviewed proposed IPS changes at the November 19, 2018 meeting and did not make any additional changes. The BOS approved on December 18, 2018.
TOC Annual Report	BOS	TOC Bylaws Rule 30 - Oral and Written Report	The TOC 2018 Annual Report was approved at the BOS meeting March 12, 2019.
Broker/Financial Institution List	ттс	OC Gift Ban Ordinance and Form 700	The TOC members were provided a list of active TTC Broker/Dealers and Financial Institutions at the TOC
ASSESSMENT OF THE PROPERTY OF	110	oc dirt ban ordinance and Form 700	meeting on January 30, 2019.
Certificates of Compliance	тс	TOC Bylaws Rule 34 - Annual	The TOC members are in compliance for calendar year 2019
Ethics Training	ттс	TOC Bylaws Rule 34 - Every Two Years	The TOC members are in compliance for calendar year 2018.
			All current TOC members and designated employees are in compliance for calendar year 2018. One
Conflict of Interest Form 700 Filing	πс	TOC Bylaws Rule 34 / IPS - Every Year	compliance exception in 2018 as a TOC Designee did not submit a Leaving Office Statement within 30
			days.

LEGEND				
Auditor-Controller	AC			
Board of Supervisors	BOS			
Treasury Oversight Committee	TOC			
Office of Treasurer-Tax Collector	TTC			

Orange County Treasurer-Tax Collector Noncompliance Detail For the Month Ended March 31, 2019

During March, the Orange County Investment Pool (OCIP), the Orange County Educational Investment Pool (OCEIP), and the John Wayne Airport Investment Fund were all free of investment noncompliance incidents.

MONTHLY TREASURER'S INVESTMENT REPORT Distribution List

County of Orange Elected Officials

Honorable Don Barnes, Sheriff-Coroner Honorable Hugh Nguyen, Clerk-Recorder Honorable Claude Parrish, Assessor

Honorable Todd Spitzer, District Attorney/Public

Administrator

Honorable Eric Woolery, Auditor-Controller

Treasury Oversight Committee

Gary Capata Alisa Cutchen Frank Kim Al Mijares Laura Parisi Richard Rohm Eric Woolery

County of Orange Departments

Assessor

Auditor-Controller Child Support Services Clerk of the Board

Clerk-Recorder

County Counsel

County Executive Office

District Attorney/Public Administrator

Health Care Agency

Human Resources Services

Independent Review

In-Home Supportive Services

John Wayne Airport

OC Community Resources

OC Dana Point Harbor

OC Public Works

OC Waste & Recycling

Performance Audit

Probation

Public Defender

Registrar of Voters

Sheriff-Coroner

Social Services Agency

County Agencies

Children & Families Commission

Civic Center Commission

Law Library

Orange County Employees Retirement System

Orange County Cemetery District
Orange County Fire Authority

Orange County Transportation Authority

Transportation Corridor Agencies

State of California

CDIAC

Superior Court

Orange County School Districts

Orange County Department of Education

Anaheim City School District

Anaheim Union High School District

Brea-Olinda Unified School District

Buena Park School District

Capistrano Unified School District

Centralia School District

Cypress School District

Fountain Valley School District

Fullerton School District

Fullerton Joint Union High School District

Garden Grove Unified School District

Huntington Beach City School District

Huntington Beach Union High School District

Irvine Unified School District

Laguna Beach Unified School District

La Habra City School District

Los Alamitos Unified School District

Lowell Joint School District

Magnolia School District

Newport-Mesa Unified School District

Ocean View School District

Orange Unified School District

Placentia-Yorba Linda Unified School District

Saddleback Valley Unified School District

Santa Ana Unified School District

Savanna School District

Tustin Unified School District

Westminster School District

Orange County Community College Districts (CCD)

Coast CCD

North Orange County CCD

Rancho-Santiago CCD

South Orange County CCD

Orange County Regional Occupational Programs (ROP)

Capistrano-Laguna Beach ROP

Coastline ROP

North Orange County ROP

Voluntary Pool Participants (date approved)

Serrano Water District (6-22-99)

City of Villa Park (10-2-01)

City of Tustin (5-21-02)

Mesa Water District (8-9-02)

Orange County Water District (3-30-04)

Municipal Water District of OC (7-27-04)

Orange County Mosquito and Vector Control District

(11-14-06)

Buena Park Library District (2-9-10)

Local Agency Formation Commission (10-5-10)

Villa Park Community Services Foundation (4-5-11)

City of Laguna Niguel (3-13-14)

City of Lake Forest (12-16-15)

Foothill/Eastern TCA (10-14-16)

San Joaquin Hills TCA (10-14-16)

Foothill/Eastern TCA/RCC (11-17-16)

City of Laguna Woods (5-10-17)

City of Laguna Woods (5-10-17

City of Mission Viejo (10-2-17)

Placentia Library District (10-16-17)