

THEASURERS WONTHY FEBRUARY 2018 REPORT

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



COUNTY OF ORANGE

TREASURER'S INVESTMENT REPORT For February 28, 2018

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



INTERDEPARTMENTAL COMMUNICATION

Date:

March 15, 2018

To:

Supervisor Andrew Do, Chairman

Supervisor Shawn Nelson, Vice-Chairman

Supervisor Michelle Steel Supervisor Todd Spitzer Supervisor Lisa Bartlett

From:

Shari L. Freidenrich, CPA, CCMT, CPFA, ACPFIN

Subject:

Treasurer's Investment Report for the Month Ended February 28, 2018

Attached please find the Treasurer's Investment Report for the County of Orange for the month ended February 28, 2018. 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 February 28, 2018. 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 Money Market Funds, the Orange County Money Market Fund, the Orange County Educational Money Market Fund, 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 March 6, 2017, reaffirmed their highest rating of AAAm on the Orange County and the Educational Money Market Funds. The County Treasurer also established the Extended Fund that is invested to meet cash needs between one and five years out. 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 Orange County and Educational Money Market Funds is 13 months, with a maximum weighted average maturity (WAM) of 60 days, and they have a current WAM of 44 and 43, 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 89. The maximum maturity of the Extended Fund is five years, with duration not to exceed the Merrill Lynch 1-3 Year index +25% (2.30), and the duration is currently at 1.16. The investments in all of the funds are marked to market daily to determine the 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 February 2018, the job market added 313,000 new jobs, and January's job numbers were revised upward by 39,000 to 239,000. The U.S. unemployment rate for February was unchanged at 4.1%. The U.S. Gross Domestic Product fourth

quarter rate decreased again from the prior rate reported in January of 2.6% to 2.5%. The Empire State Manufacturing Index decreased to 13.1 from 17.7 in January, while the Philadelphia Fed Index increased to 25.8 from 22.2 in January. 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 housing prices continue to show positive momentum as year-over-year prices increased for the sixty-eighth consecutive month in December, up 6.30% from a year ago. The index for pending home sales decreased 1.7% on a year-over-year basis in January. On February 5, Jerome Powell was sworn in as Chairman of the Board of Governors of the Federal Reserve System and as Chairman of the Federal Open Market Committee, the System's primary monetary policymaking body.

The 10-year Treasury rate rose from 2.72% in January to 2.87% in February. The short-term 90-day T-bill ended the month at 1.65%, up from 1.46% in January. The rate on the 2-year Treasury note was 2.25% at the end of February, up from 2.14% in January. Treasury interest rates continued to move higher in February based on strong economic data, rising growth expectations and the expectation of future interest rate hikes based on hawkish comments from the new Fed Chairman.

INVESTMENT INTEREST YIELDS AND FORECAST

The current gross interest yield year-to-date for fiscal year 2017/2018 is 1.17% for both the OCIP and the OCEIP. The current net yield for fiscal year 2017/2018 for both OCIP and OCEIP is 1.11%. The revised forecasted gross and net yields for fiscal year 2017/2018 for both OCIP and OCEIP are 1.24% and 1.18%, 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. Both the January 2018 interest earnings, previously expected to be paid in March 2018, and the February 2018 interest earnings, are expected to be paid in April 2018. The investment administrative fee for fiscal year 2017/2018 is estimated at 6.0 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 February 28, 2018.

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 \$551 million in County of Orange debt, which represents approximately 5.9% 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 February 2018.

CREDIT UPDATE

During February, there were no changes to the Treasurer's Approved Issuer List. 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 February 28, 2018 and is in conformity with all State laws and the IPS approved by the Board of Supervisors on November 14, 2017. 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

	出	FEBRUARY 2018	, L	JANUARY 2018	≧ Ö	INCREASE (DECREASE)	NET CHANGE %	E	FEBRUARY 2017		INCREASE (DECREASE)	NET CHANGE %
Orange County Investment Pool (OCIP)												
End Of Month Market Value ¹	↔	4,636,281,080	မာ	4,457,414,185	€9	178,866,895	4.01%	69	4,297,940,588	€9	338,340,492	7.87%
End Of Month Book Value ¹	↔	4,657,503,841	↔	4,476,864,650 \$	↔	180,639,191	4.03%	€9	4,304,594,985	€9	352,908,856	8.20%
Monthly Average Balance	69	4,521,249,420	69	4,674,719,400 \$	69	(153,469,980)	-3.28%	↔	4,217,383,777	↔	303,865,643	7.21%
Year-To-Date Average Balance	₩	4,335,011,492	69	4,308,406,073	G	26,605,418	0.62%	€9	3,986,586,669	69	348,424,822	8.74%
Monthly Accrued Earnings ³	69	4,923,407	Ø	4,885,553 \$	()	37,854	0.77%	↔	3,040,342	↔	1,883,065	61.94%
Monthly Net Yield ³		1.36%		1.17%		0.19%	16.40%		0.87%		0.49%	25.95%
Year-To-Date Net Yield ³		1.11%		1.08%		0.03%	3.19%		0.74%		0.37%	49.50%
Annual Estimated Gross Yield ⁴		1.24%		1.24%		0.00%	0.00%		0.87%		0.37%	42.86%
Weighted Average Maturity (WAM) ⁵		313		321		(8)	-2.43%		358		(45)	-12.57%
Orange County Educational Investment Pool (O	Pool	(OCEIP)										
End Of Month Market Value ^{1,2}	↔	4,681,617,960	↔	4,977,732,065	↔	(296,114,105)	-5.95%	€9	4,034,862,936	₩	646,755,024	16.03%
End Of Month Book Value ^{1,2}	↔	4,704,350,049	ø	4,998,258,865	€)	(293,908,816)	-5.88%	€	4,050,156,920	₩	654,193,129	16.15%
Monthly Average Balance ²	69	4,822,854,870	↔	5,115,984,472	↔	(293,129,602)	-5.73%	69	4,185,099,022	49	637,755,848	15.24%
Year-To-Date Average Balance ²	€9	4,525,363,182	↔	4,482,864,369	↔	42,498,813	0.95%	₩	3,991,128,250	₩	534,234,932	13.39%
Monthly Accrued Earnings ³	↔	5,299,430	()	5,460,733	()	(161,303)	-2.95%	₩	3,098,239	€9	2,201,192	71.05%
Monthly Net Yield ³		1.35%		1.18%		0.17%	14.58%		%06'0		0.45%	50.39%
Year-To-Date Net Yield ³		1.11%		1.08%		0.03%	3.12%		0.74%		0.37%	50.61%
Annual Estimated Gross Yield ⁴		1.24%		1.24%		0.00%	0.00%		%280		0.37%	41.76%
Weighted Average Maturity (WAM) ⁵		324		302		22	7.20%		393		(69)	-17.56%

1 Market values provided by Bloomberg and Northern Trust. The OCIP and OCEIP market values in January 2018 and February 2018 are slightly lower than book values due to the recent Federal Reserve short-term rate increases, but

both have a net asset value of 1.00 and have sufficient liquidity to meet projected cash flow needs.
2 OCEIP market value, book value, monthly average and year-to-date average balances were higher than the prior year primarily due to a net increase of school and community college districts bond funds of \$396 million and an increase

in school distincts secured tax apportionments of \$205 million.

3 In February 2018, OCIP and OCEIP monthly net yields were higher than January 2018 as interest rates rose based on strong economic data, rising growth expectations and the expectation of future interest rate increases in the Federal Reserve short-term rates totaling 0.75% and expectations of CLIP monthly net yields and year-lo-date net yields were higher than the prior year primarily due to the three 2017 increases in the Federal Reserve short-term rates totaling 0.75% and expectations of future interest rate increases of shorter-term securities that added more value due to the flattening of the yield curve.

4 The OCIP and OCEIP annual estimated gross yields for February 2017 are reported at the actual annual gross yields for February 2018 are ingher than FY 16/17 primarily due to increases in the Federal Reserve short-term rate of 0.75% offset slightly by lower WAMs.

5 The OCIP and OCEIP annual estimated gross yields for FY 17/17 primarily from purchases of shorter-term securities that added more value due to the flattening of the yield curve.

ORANGE COUNTY TREASURER-TAX COLLECTOR

INVESTMENT POOL STATISTICS FOR THE MONTH ENDED: February 28, 2018

	INVESTMENT ST	ATIS	STICS - By Inve	estment Po	ool ⁽¹⁾		IVATA ASTRIBUTO DE LA CONTRACTOR DE LA CONT	
							#X./1	
DESCRIPTION	CURRENT BALA	NCES		Average Days to Maturity	Daily Yield as of 2/28/18	MONTHLY Gross Yield	Cu	rrent NAV
COMBINED POOL BALANCES (includes								
the Extended Fund)								
	MARKET Value		4,636,281,080	313	1.40%	1.42%		1.00
S COLOR S COLO	COST (Capital)		4,661,355,917	0.0	1.4070			
Orange County Investment Pool (OCIP)	MONTHLY AVG Balance		4,521,249,420			W		
	BOOK Value		4,657,503,841					
	2001111111	•	,,,,					
	MARKET Value	\$	4,681,617,960	324	1.40%	1.41%		1.00
Orange County Educational Investment	COST (Capital)	\$	4,708,800,947					
Pool (OCEIP)	MONTHLY AVG Balance		4,822,854,870					
	BOOK Value	\$	4,704,350,049					
	INVESTMENT STAT	ISTI	CS - Non Pool	led Investr	nents ⁽²⁾	100		
DESCRIPTION	CURRENT BAL	ANCE			INVE	STMENT BALANCE	S AT COST	
Specific Investment								
Funds:	MARKET Value	\$	95,823,399	John Wayn	e Airport Inve	stment Fund	\$	50,719,363
283, 505, FVSD, CCCD	COST (Capital)	\$	96,627,468	Fountain Va	illey School D	District Fund 40		34,810,654
	MONTHLY AVG Balance	\$	95,953,178		Agreement			1,081,500
	BOOK Value	\$	96,583,495	CCCD Serie	s 2017E Bon	ds		10,015,951
				<u> </u>			\$	96,627,468
	NTL	END TOTALS	S					
INVECT	(1,1)24,14				INVESTMENTS & C	:ASH		
COUNTY MONEY MARKET FUND (OCMMF)	MENTS & CASH					MV2D1MEITIO Q	AOII	
County Money Market Fund		\$	1,394,839,165	OCIP			s	4,663,791,572
County Cash		•	2,435,655	OCEIP				4,716,396,566
EXTENDED FUND			6,702,959,616		estment Fun	ds		96,627,468
EDUCATIONAL MONEY MARKET FUND (OCEMI	MF)		5,,	Non-Pooled				16,375,839
Educational Money Market Fund			1,272,358,083					
Educational Cash			7,595,619					
NON-POOLED INVESTMENTS & CASH							ļ	
Non-Pooled Investments			96,627,468					
Non-Pooled Cash			16,375,839					
		\$	9,493,191,445				\$	9,493,191,445
				THE STREET		AND CONTROL OF THE PARTY OF THE		Control of Carlos
	KEY	PO	OL STATISTIC	cs				
	ST RATE YIELD				WEIGH	TED AVERAGE MA	URITY (WA!	
OCMMF - MONTHLY GROSS YIELD			1.32%	OCMMF			1	44
OCEMMF - MONTHLY GROSS YIELD			1.37%	OCEMMF				43
JOHN WAYNE AIRPORT - MONTHLY GROSS YI	ELD		1.47%		IE AIRPORT V		[89
OCIP - YTD NET YIELD(3)			1.11%	LGIP WAM (Standard & P	oors)		39
OCEIP - YTD NET YIELD(3) 90-DAY T-BILL YIELD - MONTHLY AVERAGE			1.11% 1.57%					

ORANGE COUNTY TREASURER-TAX COLLECTOR

INVESTMENT POOL STATISTICS FOR THE MONTH ENDED: February 28, 2018

	INVESTMENT STATISTICS - By In	vestment F	ınd ⁽⁴⁾		
DESCRIPTION	CURRENT BALANCES	Average Days to Maturity	Daily Yield as of 2/28/18	MONTHLY Gross Yield	Current NAV
County Money Market Fund (OCMMF)	MARKET Value \$ 1,396,683,700 COST (Capital) \$ 1,394,839,16 MONTHLY AVG Balance \$ 1,268,903,21- BOOK Value \$ 1,396,020,48	5	1.40%	1.32%	1.00
Educational Money Market Fund (OCEMMF)	MARKET Value \$ 1,273,494,82 COST (Capital) \$ 1,272,358,08 MONTHLY AVG Balance \$ 1,394,991,99 BOOK Value \$ 1,273,202,39	2	1.39%	1.37%	1.00
Extended Fund	MARKET Value \$ 6,647,720,51 COST (Capital) \$ 6,702,959,61 MONTHLY AVG Balance \$ 6,680,209,08 BOOK Value \$ 6,692,631,03	5 4	1.40%	1.46%	0.99
	ALLOCATION OF EXTEND	ED FUND			
Extended Fund OCIP Share	MARKET Value \$ 3,239,597,38 COST (Capital) \$ 3,266,516,75 MONTHLY AVG Balance \$ 3,252,346,20 BOOK Value \$ 3,261,483,38	2 6	1.40%	1.46%	0.99
OCEIP Share	MARKET Value \$ 3,408,123,13 COST (Capital) \$ 3,436,442,86 MONTHLY AVG Balance \$ 3,427,862,87 BOOK Value \$ 3,431,147,65	8	1.40%	1.46%	0.99
Modified Duration	1.1	6			

⁽¹⁾ The Combined Pool Balances include the County and Educational Money Market Funds and their respective portions of the Extended Fund.

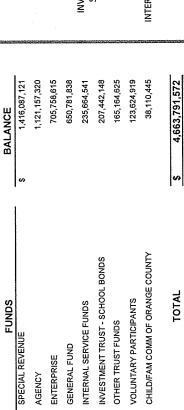
⁽²⁾ Specific non-pooled investments are reported in compliance with Government Code Section 53646 (b)(1). Detailed descriptions are included in the inventory listing in Section VII of

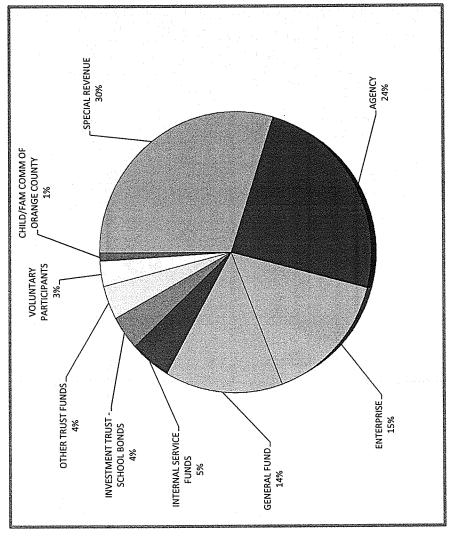
this report.

(3) The Net Yield differs from the Monthly Gross Yield as it includes the Treasury administrative fees.

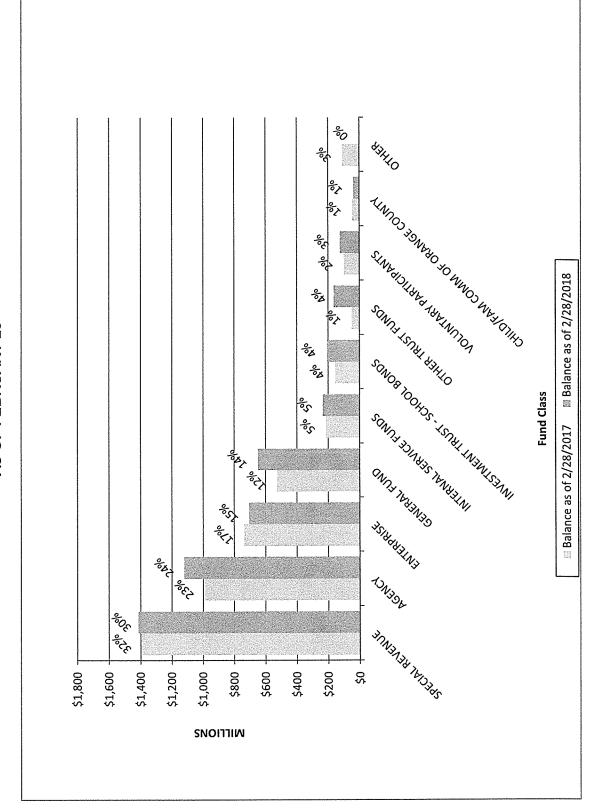
(4) Book Value is computed as Cost reduced by amortization of premium and increased by the accretion of discount of the Investment Portfolio. Net Asset Value (NAV) is equal to Market Value divided by Book Value. The Extended Fund Market Value is lower than Book Value causing the NAV to be lower than 1.00 due to the three Federal Reserve short-term rate increases of 0.75% in 2017. When the Extended Fund is combined with the OCMMF and OCEIMF, both OCIP and OCEIP have a NAV of 1.00.

ORANGE COUNTY INVESTMENT POOL COMPOSITION BY FUND AS OF FEBRUARY 28, 2018

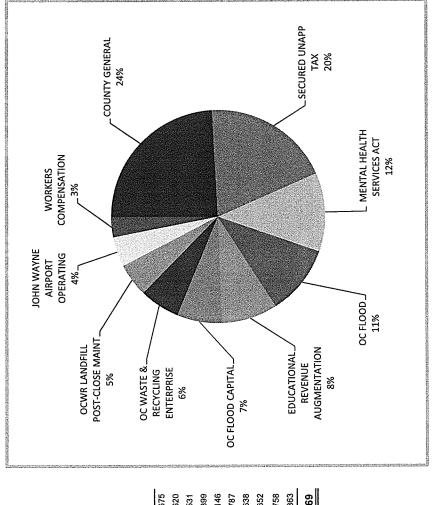


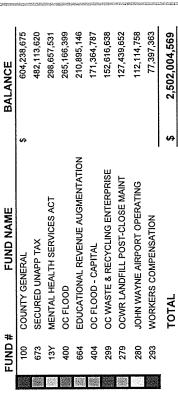


ORANGE COUNTY INVESTMENT POOL COMPOSITION BY FUND AS OF FEBRUARY 28

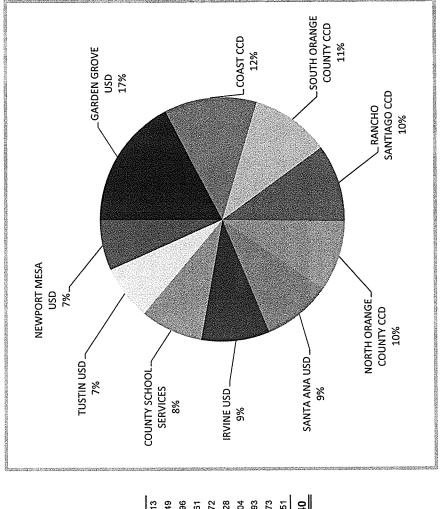


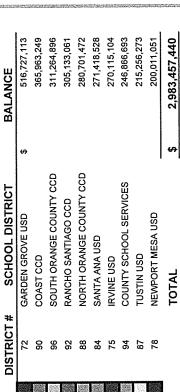
ORANGE COUNTY INVESTMENT POOL TOP TEN POOL PARTICIPANTS AS OF FEBRUARY 2018





ORANGE COUNTY EDUCATIONAL INVESTMENT POOL TOP TEN POOL PARTICIPANTS AS OF FEBRUARY 2018

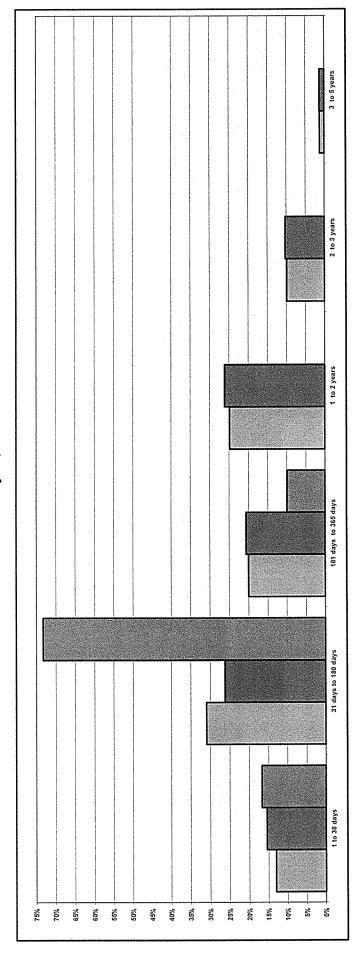




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ORANGE COUNTY TREASURER - TAX COLLECTOR MATURITIES DISTRIBUTION

February 28, 2018



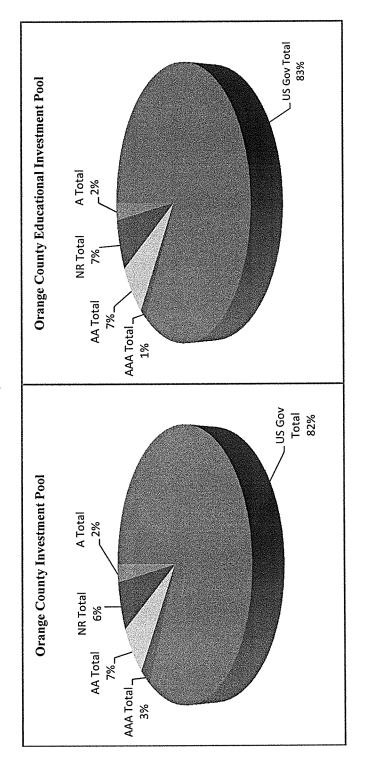
	ORANGE	SE COUNTY INVE	E COUNTY INVESTMENT POOL		ORANGE	COUNTY EDUCATION	ORANGE COUNTY EDUCATIONAL INVESTMENT POOL	OC
	П	housands ^{1,2}	%			In Thousands ^{1,2}	%	
1 TO 30 DAYS	G	608,586	13.06%	1 TO 30 DAYS	ь	727,415	15.45%	1 TO 30 DAYS
31 TO 180 DAYS		1,443,945	30.98%	31 TO 180 DAYS		1,234,438	26.22%	31 TO 180 DAYS
181 TO 365 DAYS		932,020	19.99%	181 TO 365 DAYS		971,354	20.63%	181 TO 365 DAYS
1 YEAR TO 2 YEARS		1,159,524	24.87%	1 YEAR TO 2 YEARS		1,229,844	26.13%	1 YEAR TO 5 YEAF
2 YEARS TO 3 YEARS	S	461,006	9.89%	2 YEARS TO 3 YEARS		484,988	10.30%	TOTAL
3 YEARS TO 5 YEARS	S	56,530	1.21%	3 YEARS TO 5 YEARS		59,470	1.27%	
TOTAL	ь	4,661,611	100.00%	TOTAL	↔	4,707,509	100.00%	

	JOHN WAYNE AIRPORT INVESTMENT FUND	RPORT	INVESTME	INT FUND
	<u>_</u>	Thous	In Thousands ^{1,2}	%
 1 TO 30 DAYS		↔	8,486	16.73%
 31 TO 180 DAYS			37,180	73.32%
181 TO 365 DAYS	S		5,045	9.95%
 1 YEAR TO 5 YEARS	ARS		,	0.00%
 TOTAL		\$	50,711	100,00%

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¹ Maturity Limits are calculated using face value. All final maturities are in compliance with the IPS during February.
2 Floating Rate Notes are deemed to have a maturity date equal to their next interest reset date. The Orange County Investment Pool, Orange County Educational Investment Pool and JWA Investment Fund did not hold any Floating Rate Notes as of 2/28/2018.

ORANGE COUNTY TREASURER - TAX COLLECTOR CREDIT QUALITY BY MARKET VALUE February 28, 2018



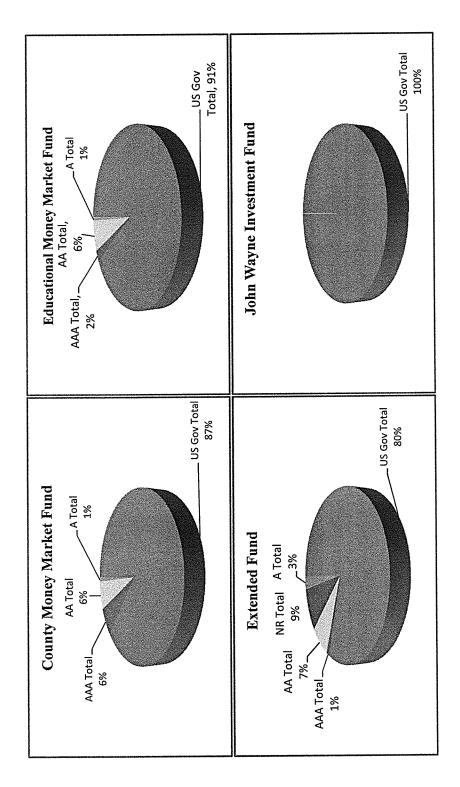
US GOV Includes Agency & Treasury Debt

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 February 28, 2018



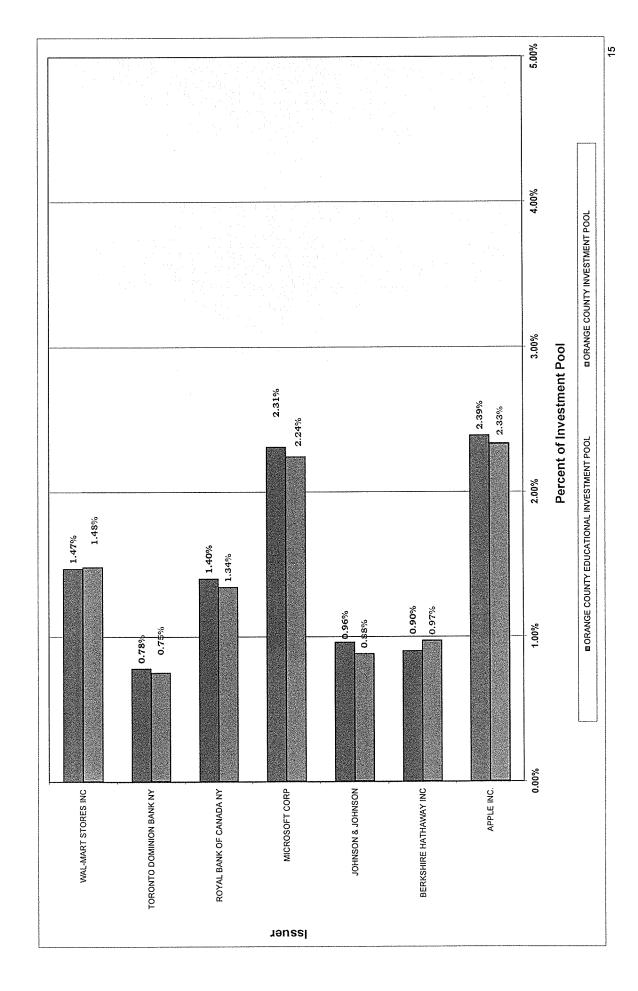
US GOV Includes Agency & Treasury Debt

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
February 28, 2018



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

February 28, 2018

ISSUER		S/T RATINGS			L/T RATINGS	
ISSUER	S&P	Moody's	Fitch	S&P	Moody's	Fitch
U.S. TREASURY SE	CURITH	es .				
U.S. GOVERNMENT	A-1+	P-1	F1+	AA+	Aaa	AAA
U.S. GOVERNMENT AGEN	CY SEC	URITHES				
FEDERAL NATIONAL MORTGAGE ASSOCIATION	A-1+	P-1	F1+	AA+	Aaa	AAA
FEDERAL HOME LOAN MORTGAGE CORPORATION	A-1+	P-1	FI+	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-TERM	ZOHES					
APPLE INC	A-1+	P-1	NR	AA+	Aal	NR
JOHNSON & JOHNSON	A-1+	P-1	F1+	AAA	Aaa	AAA
MICROSOFT CORPORATION	A-1+	P-1	F1+	AAA	Aaa	AA+
WAL-MART STORES INC	A-1+	P-1	F1+	AA	Aa2	AA
BERKSHIRE HATHAWAY INC *	A-1+	P-1	NR	AA	Aa2	A+
BERKSHIRE HATHAWAY FINANCE *	NR	NR	NR	NR	Aa2	A+
ISSUERS ON H	(0)[4])					
ROYAL BANK OF CANADA NY (JULY, 2016) **	A-1+	P-1	F1+	AA-	Al	AA
TORONTO DOMINION BANK NY (MARCH, 2017) ***	A-l+	P-1	F1+	AA-	Aa2	AA-
MUNICIPAL B	ONDS					
ORANGE CNTY CA PENSION OBLG 2017 A	NR	NR	NR	NR	NR	NR
ORANGE CNTY CA PENSION OBLG 2018 A	NR	NR	NR	NR	NR	NR
STATE POOL - LOCAL AGENC	Y INNYIES	TIMENT	UND			
LOCAL AGENCY INVESTMENT FUND	NR	NR	NR	NR	NR	NR
MONEY MARKET MUTU	AL PUN	DS *****				
NAME OF FUND	S	& P	Mo	ody's	Fit	ch ,
INVESCO GOVERNMENT & AGENCY SHORT-TERM INVESTMENTS TRUST (AIM)	A	AAm	Aa	a-mf	AAA	mmf
GOLDMAN SACHS FINANCIAL SQUARE GOVT FUND	A	AAm	Aa	a-mf	N.	R
MORGAN STANLEY INSTITUTIONAL LIQUIDITY FUNDS - GOVT	A	AAm	Aa	a-mf	N	R
NORTHERN INSTITUTIONAL TREASURY PORTFOLIO	A	AAm	1	NR	N	R

^{*} Further purchase restrictions apply due to Investment Policy Statement rating limits.

^{**} Moody's downgraded its L/T Rating from Aa3 to A1 on May 10, 2017 and kept the issuer rating Outlook on Negative. On Negative Outlook (S&P - June 6, 2016).

^{***} Moody's downgraded its L/T Rating from Aa1 to Aa2 on May 10, 2017 and kept the issuer rating Outlook on Negative.

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

Orange County Treasurer-Tax Collector Changes in Approved Issuer's List For the Month Ended February 28, 2018

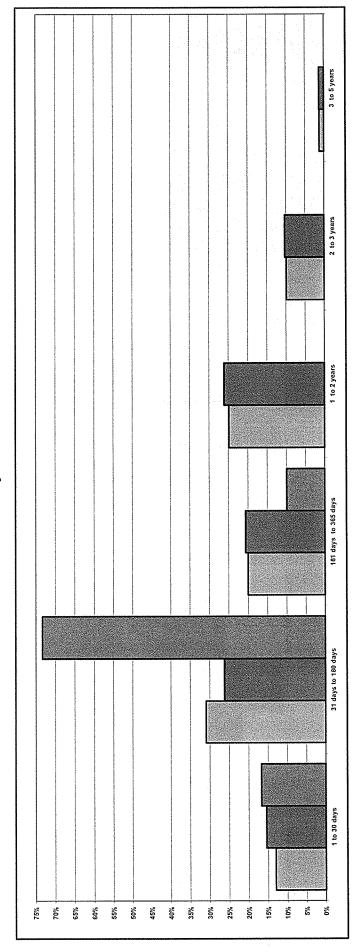
During February there were no changes to the Treasurer's Approved Issuer List.

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

8

ORANGE COUNTY TREASURER - TAX COLLECTOR MATURITIES DISTRIBUTION

February 28, 2018

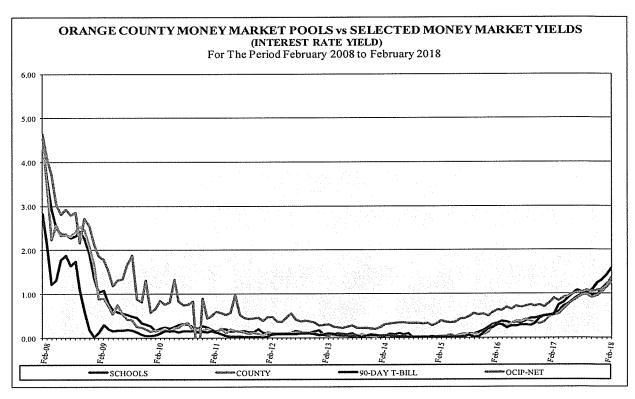


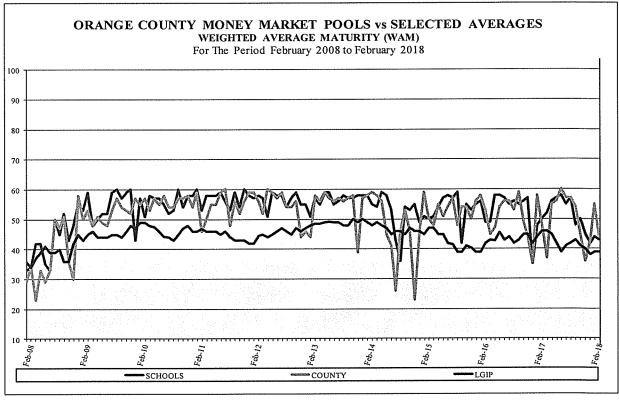
DRANGE COUNTY EDUCATIONAL INVESTMENT POOL	Inds ^{1,2} % In Tho	727,415 15,45% 1 TO 30 DAYS \$,234,438 26,22% 31 TO 180 DAYS	971,354 20.63% 181 TO 365 DAYS	,229,844 26.13% 1 YEAR TO 2 YEARS	484,988 10.30% TOTAL \$	59,470 1.27%	4,707,509 100.00%
ORANGE COUNTY EDL	In Thousands ^{1,2}	1 TO 30 DAYS \$ 727,	31 TO 180 DAYS 1,234,	181 TO 365 DAYS 971,	1 YEAR TO 2 YEARS 1,229,	2 YEARS TO 3 YEARS 484,	3 YEARS TO 5 YEARS 59,	TOTAL \$ 4,707,
000r								
ESTMENT POOL	%	13.06%	30.98%	19.99%	24.87%	9.89%	1.21%	100.00%
ORANGE COUNTY INVEST	In Thousands ^{1,2}	608,586	1,443,945	932,020	1,159,524	461,006	56,530	4,661,611
ORA	<u>-</u>	G			38	ARS	ARS	s
		1 TO 30 DAYS	31 TO 180 DAYS	181 TO 365 DAYS	1 YEAR TO 2 YEARS	2 YEARS TO 3 YEARS	3 YEARS TO 5 YEARS	TOTAL

		In Tho	In Thousands ^{1,2}	%
1 TO 30 DAYS		ь	8,486	16.73%
31 TO 180 DAYS			37,180	73.32%
181 TO 365 DAYS	ς		5,045	9.95%
1 YEAR TO 2 YEARS	SARS		1	0.00%
TOTAL		es	50,711	100.00%

¹ Maturity Limits are calculated using face value. All final maturities are in compliance with the IPS during February.

2 Floating Rate Notes are deemed to have a maturity date equal to their next interest reset date. The Orange County Investment Pool, Orange County Educational Investment Pool and JWA Investment Fund did not hold any Floating Rate Notes as of 2/28/2018.





[•]For the Month Ended February 28, 2018, S&P LGIP - 1.34; S&P LGIP WAM -39; 90-Day T-Bill - 1.57; OCIP - Net - 1.363

ORANGE COUNTY TREASURER-TAX COLLECTOR INVESTMENT POOL YIELDS

March 1, 2017 - February 28, 2018

			GROSS	
	MONTH END		AVERAGE	
PERIOD ENDING - MONTH / YEAR	MARKET	EARNINGS	YIELD FOR	MONTH
		FOR MONTH	MONTH	END WAM
Course of March Fahrman 2019	VALUE	FOR MONTH	IVICINTITI	CIAD ANDINI
Current Month February 2018	\$ 1,396,683,700	\$ 1,284,889	1.32%	44
County Pool - Money Market Fund	\$ 1,396,683,700 \$ 1,273,494,829		1.37%	43
Educational Pool - Money Market Fund		searmentared protection recognitive transport and protection.	1.46%	428
Extended Fund	\$ 6,647,720,511	\$ 7,473,044	1.4070	420
January 2018	¢ 4 245 204 522	\$ 1,659,517	1.21%	55
County Pool - Money Market Fund	\$ 1,245,291,533		1.28%	44
Educational Pool - Money Market Fund	\$ 1,594,050,298	management and appropriate the control of the contr	1.24%	423
Extended Fund	\$ 6,595,804,419	\$ 6,473,087	1.24/0	423
December 2017	ф 0.400.047.074	¢ 2402704	1.10%	43
County Pool - Money Market Fund	\$ 2,128,947,374	\$ 2,182,701	1.17%	
Educational Pool - Money Market Fund	\$ 2,136,417,171	\$ 1,446,683		
Extended Fund	\$ 5,906,097,678	\$ 6,050,707	1.18%	375
November 2017	4 4	4 404 004	4 000/	20
County Pool - Money Market Fund	\$ 1,459,897,098	\$ 1,124,024	1.02%	36
Educational Pool - Money Market Fund	\$ 1,154,471,530	\$ 889,369	1.03%	progressing requirements of the progression of the
Extended Fund	\$ 5,996,926,512	\$ 5,910,266	1.19%	399
October 2017			0.070/	·-
County Pool - Money Market Fund	\$ 1,387,117,541	\$ 938,038	0.97%	
Educational Pool - Money Market Fund	\$ 1,008,484,106	\$ 1,026,340	1.03%	AND THE RESIDENCE OF THE PROPERTY OF THE PROPE
Extended Fund	\$ 5,975,091,002	\$ 5,972,076	1.17%	416
September 2017				
County Pool - Money Market Fund	\$ 885,572,484	\$ 752,100	1.05%	
Educational Pool - Money Market Fund	\$ 1,319,525,808	\$ 1,129,853	1.06%	and printing of all light the horizontal printings of a control of the control of
Extended Fund	\$ 5,974,063,472	\$ 5,798,039	1.18%	443
August 2017				
County Pool - Money Market Fund	\$ 912,746,691	\$ 748,603	1.03%	
Educational Pool - Money Market Fund	\$ 1,342,259,072	\$ 1,320,805	1.04%	A THE STREET OF
Extended Fund	\$ 5,975,786,893	\$ 5,754,302	1.13%	454
July 2017				
County Pool - Money Market Fund	\$ 925,588,577	\$ 869,951	0.96%	
Educational Pool - Money Market Fund	\$ 1,625,874,675	\$ 1,449,778	0.99%	CONTRACTOR AND ADMINISTRATION OF THE PROPERTY OF THE PARTY OF THE PART
Extended Fund	\$ 5,820,623,739	\$ 5,661,871	1.13%	464
June 2017				
County Pool - Money Market Fund	\$ 1,127,901,842	\$ 1,015,069	0.90%	
Educational Pool - Money Market Fund	\$ 1,821,324,948	\$ 1,188,057	0.91%	#2014/accidelatelly-accesses webst-provided Matter:
Extended Fund	\$ 5,876,238,402	\$ 5,545,780	1.14%	487
May 2017				
County Pool - Money Market Fund	\$ 1,559,912,721	\$ 1,190,993	0.81%	
Educational Pool - Money Market Fund	\$ 1,631,429,543	\$ 1,157,267	0.82%	THE STREET AND ADDRESS OF THE STREET AND ADDRESS OF THE STREET AND ADDRESS.
Extended Fund	\$ 5,888,812,000	\$ 5,545,463	1.10%	494
April 2017				
County Pool - Money Market Fund	\$ 1,928,898,078	\$ 1,427,058	0.72%	56
Educational Pool - Money Market Fund	\$ 1,810,058,617	\$ 946,118	0.78%	56
Extended Fund	\$ 5,884,169,552	\$ 5,396,950	1.11%	488
March 2017				
County Pool - Money Market Fund	\$ 1,742,756,895	\$ 707,012	0.60%	37
Educational Pool - Money Market Fund	\$ 1,278,498,097	\$ 590,948	0.66%	52
Extended Fund	\$ 5,874,437,878	\$ 5,301,507	1.06%	511
	Average Month		YTD	YTD
Fiscal Year July 1, 2017 - June 30, 2018	End Market Value	YTD		1
	Balance	Interest Income	Gross Yield	Average
Orange County Investment Pool	\$ 4,309,592,700	\$ 33,904,075	1.17%	316
Orange County Educational Investment Pool	\$ 4,526,474,389	\$ 35,690,554	1.17%	308

ORANGE COUNTY TREASURER-TAX COLLECTOR CASH AVAILABILITY PROJECTION

FOR THE SIX MONTHS ENDING AUGUST 31, 2018

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 August 31, 2018, 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 C	COU	NTY INVEST	IEN	IT POOL		
Month		Investment Maturities		Projected Deposits		Projected Disbursements	: 1	Cumulative Available Cash
February 2018 - I	Ending Ca	sh					\$	2,435,655
March	\$	595,387,430	\$	431,693,802	\$	637,220,946		392,295,941
April		705,447,712		1,906,280,802		1,614,712,041		1,389,312,414
May		362,946,184		281,140,059		738,537,137		1,294,861,520
June		230,443,666		244,422,467		713,887,741		1,055,839,912
July		92,983,340		283,413,826		577,760,394		854,476,684
August		98,935,462		441,512,289		322,112,033		1,072,812,402

	ORANG	SE COUNTY	ED	UCATIONAL I	ΝV	ESTMENT PO	OL	
Month		Investment Maturities		Projected Deposits		Projected Disbursements		Cumulative Available Cash
February 2018 -	Ending Casl	h					\$	7,595,619
March	\$	704,617,144	\$	576,000,765	\$	730,405,350		557,808,178
April		532,461,107		984,398,462		715,149,074		1,359,518,673
Мау		335,873,389		383,245,588		718,490,829		1,360,146,821
June		213,681,046		701,515,298		672,813,841		1,602,529,324
July		99,888,487		211,481,841		549,212,278		1,364,687,374
August		102,719,109		264,553,363		595,215,690		1,136,744,156

ORANGE COUNTY TREASURER-TAX COLLECTOR

STATEMENT OF ACCOUNTABILITY

For the Month Ended February 28, 2018

		Month
Treasurer's Accountability at the Beginning of the Period:	_\$_	9,613,851,608
Cash Receipts:		
County		506,131,342
School and Community College Districts		360,386,130
Total Cash Receipts		866,517,472
Cash Disbursements:		000 747 050
County		332,717,658
School and Community College Districts		652,895,174
Total Cash Disbursements	*********	985,612,832
Net Change in Cost Value of Pooled Assets		(119,095,360)
Net Increase in Non-Pooled Investments		4,082,673
Net (Decrease) in Non-Pooled Cash		(5,647,476)
Treasurer's Accountability at the End of the Period:	\$_	9,493,191,445
Assets in the Treasury at the End of the Period (at Cost Value):		
Pooled Investments:	_	
O.C. Investment Pool	\$	4,661,355,917
O.C. Educational Investment Pool		4,708,800,947
Total Orange County Investment Pools		9,370,156,864
Non-Pooled Investments:		
Non-Pooled Investments - John Wayne Airport		50,719,363
Non-Pooled Investments - Fountain Valley School District Fund 40		34,810,654
Non-Pooled Investments - CCCD Series 2017E Bonds		10,015,951
Non-Pooled Investments - Other		1,081,500
Total Non-Pooled Investments		96,627,468
Cash:		
Cash in banks - County		2,351,752
Cash in banks - Schools		7,595,619
Cash in banks - OC Sheriff		11,028,039
Cash in banks - John Wayne Airport		5,347,800
Cash - Other		83,903
Total Cash		26,407,113
Total Assets in the Treasury at the End of the Period:	\$	9,493,191,445

ORANGE COUNTY TREASURER-TAX COLLECTOR INVESTMENT POLICY (IPS) COMPLIANCE SUMMARY February 28, 2018

Investment Policy (IPS) Guidelines		County Money Market Fund	Fund	Extended Fund	pun	Educational Money Market Fund	ial t Fund	John Wayne Airport (JWA) Investment Fund	ort (JWA) und
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
30%	Negotiable Certificates of Deposit		%00.0	\$ 198,852,027	2.99%	\$	0.00%	\$	%00.0
40%	Commercial Paper	•	%00'0	•	%00'0	•	%00'0	•	%00.0
100%	U.S. Government Agencies	703,932,030	50.40%	3,315,729,191	49.88%	770,888,725	60.53%	32,719,952	64.50%
\$65MM	LAIF	•	%00.0	64,247,822	%26.0	•	%00'0	•	%00.0
30%	Medium-Term Notes	99,521,425	7.13%	547,388,449	8.23%	94,791,582	7.45%		%00.0
20%	Money Market Mutual Funds	65,288,972	4.67%		0.00%	24,203,146	1.90%	90,276	0.18%
30%	Municipal Debt	•	0.00%	551,205,522	8.29%	•	%000	•	%00.0
20%	Repurchase Agreement	•	0.00%		%00.0	•	%00.0	•	%00'0
30%	Supranationals	•	0.00%		%00'0	•	%00.0	•	%00.0
100%	U.S. Treasuries	527,941,273	37.80%	1,970,297,500	29.64%	383,611,376	30.12%	17,914,044	35.32%
		\$ 1,396,683,700	100.00%	100.00% \$ 6,647,720,511		100.00% \$ 1,273,494,829	100.00%	\$ 50,724,272	100.00%

		1,396,663,700	100.00% \$ 6,647,720,511		100.00% \$ 1,273,494,629	100.00%	30,124,212	100.00%
Investment Policy (IPS) Guidelines	Compliance Category (Yes/No)	County Money Market Fund		Extended Fund	Educational Money Market Fund		John Wayne Airport (JWA) Investment Fund	ort (JWA) und
	Percentage Limits							
2%	Issuer Limit	Yes		Yes	Yes		Yes	
20%	Money Market Mutual Fund Issuer	Yes		N/A	Yes		Yes	
20%	Government Agencies Issuer	Yes (4)		Yes (4)	Yes (4)		Yes	
See Above	Diversification Limit	Yes		Yes	Yes		Yes	
	Maturity/Duration Limits							
60 Days	Weighted Average Maturity - Money Market Fund	Yes/44.34		N/A	Yes/42.78		N/A	
90 Days	Weighted Average Maturity - JWA Investment Fund	N/A		N/A	N/A		Yes/88.96	
>Merrill 1-3 Year Index+25% (2.30)	Duration ⁽⁵⁾	N/A		Yes/1.16	N/A		N/A	
13 Months/397 days	Final Maturity - Money Market Fund	Yes/290		N/A	Yes/380		N/A	
15 Months/458 days	Final Maturity - John Wayne Airport Investment Fund	N/A		N/A	N/A		Yes/260	
5 Years/1826 days	Final Maturity - Extended Fund	N/A		Yes/1,553	N/A		N/A	
	Quality Limits							
A-1/> A	MMF 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 ⁽⁶⁾	N/A		N/A	
Approved Issuer List	Authorized Issuer	Yes		Yes	Yes		Yes	
Broker/Dealer List	Authorized Financial Dealer/Institution	Yes		Yes	Yes		Yes	
0 995 - 1 005	Not Accet Value - Money Market Fund and IWA	Vac/1 0005		N/A	Yes/1.0002		Yes/0.9996	9

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.
 Excludes US Government Debt per the 2018 IPS policy approved by the Board of Supervisors on November 14, 2017 effective on January 1, 2018.
 Rating Agency requirements limit investment in each Money Market Mutual Fund to 10%.
 Section of SEE issuers rated 'AA+' or higher with final maturities of 30 days or less are excluded from the calculation of the 50% limit per IPS for the Extended Fund and the JWA Investment Fund and from the Rating Agency limit of 33% for the two Money Market Funds.

(5) IPS states all pools, except short-term pools, shall have an effective duration not to exceed a leading 1-3 year index +25%. Duration provided above (1.16) is a modified duration, which does not take into consideration all embedded options such as callable bonds or mortgage backed bonds. This presentation is not considered materially different from the effective duration requirement specified in IPS.

(6) Securities issued by Royal Bank of Canada NY were rated above 'AA' at the time of purchase and are in compliance with IPS.

NA Not applicable

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 February 28, 2018

	PERFORMED		のできた。 かいかん のない ない ないかん ない ない ない ない はんない ない な
COMPLIANCE CATEGORY	ВУ	REGULATORY/POLICY GUIDELINES	CURRENT STATUS
Annual Compliance Audit	ACIA	Performance Evaluation-Cal Govt. Code 27134	Calendar year 2016 and six months ended 6/30/17 in progress.
Quarterly Schedule of Assets Review	ACIA	Performance Evaluation-Cal Govt. Code 26920(a)	September 30, 2017 and December 31, 2017 in progress.
Annual Schedule of Assets Audit	ACIA	Performance Evaluation-Cal Govt. Code 26920(b)	June 30, 2017 in progress.
Quarterly Continuous Compliance Auditing	ACIA	TOC Directive	September 30, 2017 completed. December 31, 2017 in progress.
Treasury Administrative Fee	TTC	Compensation Agreement-Cal Govt. Code 27013	FY 14/15, FY 15/16 and FY 16/17 in progress.
Annual Broker/Dealer Review	TTC	Authorized Financial Dealers and Qualified Institutions	Calendar year 2016 completed. Calendar year 2017 in progress.
Annual Broker/Dealer IPS Certification	ПС	Authorized Financial Dealers and Qualified Institutions	All 2017 IPS certifications received for active approved brokers (one broker removed).
IPS Compliance Deficiencies	TTC	Investment/Diversification/Maturity Restrictions/Form 700	FY 17/18 identified two compliance incidents as of February 28, 2018
TOC Bylaw Changes	BOS	TOC Review and BOS Annual Approval	The TOC reviewed Bylaws and made one change at the October 18, 2017 meeting. The BOS approved on November 14, 2017.
Annual IPS Approval	BOS	TOC Review and BOS Annual Approval	The TOC reviewed proposed IPS changes at the October 18, 2017 meeting and did not make any additional changes. The BOS approved on November 14, 2017.
TOC Annual Report	BOS	TOC Bylaws Rule 30 - Oral and Written Report	The TOC 2017 Annual Report was presented to BOS meeting on February 27, 2018.
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 meeting on October 18, 2017.
Certificates of Compliance	TTC	TOC Bylaws Rule 34 - Annual	The TOC members are in compliance for calendar year 2017.
Ethics Training	Щ	TOC Bylaws Rule 34 - Every Two Years	The TOC members are in compliance for calendar year 2016 (one submitted in January 2017).
Conflict of Interest Form 700 Filing	ТТС	TOC Bylaws Rule 34 / IPS - Every Year	All TOC members and designated employees are in compliance for calendar year 2016. A designated employee submitted an Assuming Office Statement in calendar year 2017 late.
- Caracteristic			i significantino del control d

CNECEND	
Auditor-Controller Internal Audit	ACIA
Board of Supervisors	808
Treasury Oversight Committee	TOC
Office of Treasurer-Tax Collector	TTC

Orange County Treasurer-Tax Collector Noncompliance Detail For the Month Ended February 28, 2018

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

MONTHLY TREASURER'S INVESTMENT REPORT **Distribution List**

County of Orange Elected Officials

Honorable Sandra Hutchens, Sheriff-Coroner Honorable Hugh Nguyen, Clerk-Recorder Honorable Claude Parrish, Assessor Honorable Anthony J. Rackauckas, Jr., District Attorney/Public Administrator Honorable Eric Woolery, Auditor-Controller

Treasury Oversight Committee

Gary Capata William "Andy" Dunn 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

County Agencies

Social Services Agency

Sheriff-Coroner

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 Community 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 Mission Viejo (10-2-17) Placentia Library District (10-16-17)