

SHARI L. FREIDENRICH, CPA, CCMT, CPFA, ACPFIM **Orange County Treasurer**



COUNTY OF ORANGE

TREASURER'S INVESTMENT REPORT For January 31, 2019

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



INTERDEPARTMENTAL COMMUNICATION

Date: February 15, 2019

To: Supervisor Lisa Bartlett, Chairwoman

Supervisor Michelle Steel, Vice-Chair

Supervisor Andrew Do Supervisor Doug Chaffee

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

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

Attached please find the Treasurer's Investment Report for the County of Orange for the month ended January 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). The Treasurer has updated the compliance summary in Section VI to reflect the 2019 IPS changes approved by the Board of Supervisors in December. 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 ocenv.com/ocinvestments.

INVESTMENT POOL COMPOSITION

The investments contained within this report are as of January 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 38 and 46, 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 88. The maximum maturity of the Extended Fund is five years, with duration not to exceed 1.5 years, and the duration is currently at 1.04. 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 January 2019, the job market added 304,000 new jobs, and December's job numbers were revised downward by 90,000 to 222,000. The U.S. unemployment rate for January rose to 4.0% from 3.9% in December. The Empire State Manufacturing Index in December decreased to 3.9 from 11.5% in December. The Philadelphia Fed Index increased to 17.0, and December's number was revised downward by 0.3 to 9.1. 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 seventy-ninth consecutive month in November, up 5.19% from a year ago. The index for pending home sales decreased 9.5% on a year-over-year basis in December, and November's numbers were revised downward by 0.1% to -7.8%.

The 10-year Treasury rate decreased from 2.69% in December to 2.63% in January. The short-term 90-day T-bill decreased from 2.45% at the end of December to 2.41% at the end of January. The rate on the 2-year Treasury note was 2.45% at the end of January, down from 2.48% in December.

INVESTMENT INTEREST YIELDS AND FORECAST

The current gross interest yield year-to-date for fiscal year 2018/2019 is 1.87% for OCIP and 1.90% for OCEIP. The current net yield for fiscal year 2018/2019 is 1.81 for OCIP and 1.84% for OCEIP. The forecasted gross and net yields' for fiscal year 2018/2019 for both the OCIP and OCEIP is 1.81%. We expect to provide our updated estimate next month based on the December increase of 0.25 percent of the benchmark Federal Funds rate.

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 December 2018 and January 2019 interest apportionments are expected to be paid in March 2019 and April 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 January 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. On January 14, 2019, the Investment Pools purchased \$402 million of unrated County of Orange Taxable Pension Obligation Bonds Series 2019A debt in a private placement bringing the total market value of holdings to \$521 million, which represents approximately 5.43% of the total pooled funds. 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 January 2019. On December 11, 2018, the Auditor-Controller issued a First Follow-Up Audit on the Management Letter on Audit of the Schedule of Assets Held by the County Treasury as of June 30, 2016, which was not reported in the December 2018 Treasurer's Investment Report. This follow-up audit found that Treasurer implemented one recommendation out of the three open with two recommendations still in process. In addition on January 22, 2019, the Auditor-Controller issued their report on Compliance Monitoring of the Treasurer's Investment Portfolio for the Quarter Ended September 30, 2018, which stated that no instances of noncompliance were identified.

CREDIT UPDATE

During January, there were three changes to the Treasurer's Approved Issuer List. Three issuers were removed from the approved issuer list as the 2019 IPS now requires a minimum issuer credit rating of AA. 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 January, 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

SUMMARY OF INVESTMENT DATA

INVESTMENT TRENDS

	J	ANUARY 2019	DECEMBER 2018		INCREASE (DECREASE)		NET CHANGE %	JANUARY 2018		018 INCREASE (DECREASE)		NET CHANG
Orange County Investment Pool (OCIP)												
End Of Month Market Value 1,2	\$	4,313,538,679	\$	5,008,408,848	\$	(694,870,169)	-13.87%	\$	4,457,414,185	\$	(143,875,506)	-3.23
End Of Month Book Value 1,2	\$	4,318,262,708	\$	5,016,509,479	\$	(698,246,771)	-13.92%	\$	4,476,864,650	\$	(158,601,942)	-3.54
Monthly Average Balance ²	\$	4,437,220,194	\$	5,430,555,655	\$	(993,335,461)	-18.29%	\$	4,674,719,400	\$	(237,499,206)	-5.08
Year-To-Date Average Balance	\$	4,278,072,653	\$	4,251,548,062	\$	26,524,590	0.62%	\$	4,308,406,073	\$	(30,333,421)	-0.70
Monthly Accrued Earnings ³	\$	7,951,101	\$	9,272,010	\$	(1,320,909)	-14.25%	\$	4,885,553	\$	3,065,548	62.7
Monthly Net Yield ³		2.05%		1.94%		0.11%	5.47%		1.17%		0.88%	74.7
Year-To-Date Net Yield ³		1.81%		1.77%		0.04%	2.35%		1.08%		0.73%	67.4
Annual Estimated Gross Yield ⁴		1.87%		1.87%		0.00%	0.00%		1.28%		0.59%	45.8
Weighted Average Maturity (WAM) ⁵		329		275		54	19.64%		321		8	2.4
Orange County Educational Investment	Pool (O	CEIP)										
End Of Month Market Value ¹	\$	5,275,395,442	\$	5,370,720,634	\$	(95,325,192)	-1.77%	\$	4,977,732,065	\$	297,663,377	5.9
End Of Month Book Value ¹	\$	5,281,247,329	\$	5,380,553,768	\$	(99,306,439)	-1.85%	\$	4,998,258,865	\$	282,988,464	5.6
Monthly Average Balance ²	\$	5,301,132,480	\$	4,752,884,924	\$	548,247,556	11.54%	\$	5,115,984,472	\$	185,148,008	3.6
				4,629,927,160	\$	95,886,474	2.07%	\$	4,482,864,369	\$	242,949,265	5.4
Year-To-Date Average Balance	\$	4,725,813,634	\$	4,029,927,100								
Year-To-Date Average Balance Monthly Accrued Earnings ³	\$ \$	4,725,813,634 9,741,458	\$	8,370,364	\$	1,371,094	16.38%	\$	5,460,733	\$	4,280,726	78.3
Comments of the Comments of th			1050		\$	1,371,094 0.09%	16.38% 4.63%	\$	5,460,733 1.18%	\$	4,280,726 0.90%	78.3 76.1
Monthly Accrued Earnings ³		9,741,458	1050	8,370,364	\$	0.5002.9.35.0000.00		\$		\$		
Monthly Accrued Earnings ³ Monthly Net Yield ³		9,741,458 2.08%	1050	8,370,364 1.99%	\$	0.09%	4.63%	\$	1.18%	\$	0.90%	76.1

¹ Market values provided by Bloomborg and Northern Trust. The OCIP and OCEIP market values are slightly lower than book value due to the eight Federal Reserve short-term rate increases totaling 2.00% since November 2016, but both have a net asset value of 1.00 and have sufficient liquidity to meet projected cash flow needs.
2 In January 2019, OCIP End Of Month Market Value, Book Value, and the Monthly Average Balance were lower than December 2018 primarily due to distributions of secured property tax receipts. The January OCEIP Monthly Average Balance increased from prior month primarily due to the receipt of secured property revenue of \$981 million in mid December and another \$285 million in early January.
3 In January 2019, the OCIP Monthly Accrued Earnings decreased from prior month primarily due to a lower monthly average pool balance resulting from distributions of secured property tax receipts. The OCIP Monthly Accrued Earnings were higher than December 2018 primarily due to the higher monthly average pool balance from incoming tax receipts. 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.
4 The OCIP and OCEIP annual estimated gross yields for January 2018 are reported at the forecasted gross yields for January 2019 are reported at the forecasted gross yields of 1.28%. The OCIP and OCEIP annual estimated gross yields for FY 1819 are higher than FY 1718 yields of 1.28% and 1.30% respectively, primarily due to the leight Federal Reserve short-term rate increases totaling 2.00% since November 2016.

⁵ In January 2019, OCIP WAM was higher than in December 2018 primarily due to a temporary decrease in shorter-term maturities related to December receipt of secured property tax being distributed to County Agencies, Cities, and School and Community College Districts In January.

INVESTMENT POOL STATISTICS FOR THE MONTH ENDED: JANUARY 31, 2019

	INVESTMENT STATIST	100	Du Investm	namt Dagi(1)			
	INVESTMENT STATIST	ICS	- by investm	lent Pool'"		1	1
P-00-00-00-00-00-00-00-00-00-00-00-00-00				Average Days to Maturity	Daily Yield as of 1/31/2019	MONTHLY Gross Yield	Current NAV (4)
DESCRIPTION	CURRENT BALA	NCES	5				
COMBINED POOL BALANCES (includes the Extended Fund)							
	MARKET Value	\$	4,313,538,679	329	2.19%	2.10%	1.00
	COST (Capital)		4,314,755,909				
Orange County Investment Pool (OCIP)	MONTHLY AVG Balance		4,437,220,194				
	BOOK Value		4,318,262,708				
	Section Sectio						
	MARKET Value	\$	5,275,395,442	323	2.19%	2.14%	1.00
Orange County Educational Investment	COST (Capital)	\$	5,276,904,292				
Pool (OCEIP)	MONTHLY AVG Balance	\$	5,301,132,480				
	BOOK Value	\$	5,281,247,329				
	Secure Literature - Net despendent						
	INVESTMENT STATISTIC	S - N	Non-Pooled Ir	vestments ⁽²⁾			
DESCRIPTION	CURRENT BALA	NCE		IN	NVESTMENT BA	LANCES AT CO	ST
Specific Investment							
Funds:	MARKET Value	\$	106,561,019	John Wayne A	irport Investmer	nt Fund	51,564,469
283, FVSD, CCCD	COST (Capital)	\$	106,957,368	Fountain Valle	y School Distric	t Fund 40	34,790,770
	MONTHLY AVG Balance	\$	106,868,055	CCCD Series 2	017E Bonds		20,602,129
	BOOK Value	\$	106,839,362				
							\$ 106,957,368
	MONTH I	END	TOTALS				
INVEST	MENTS & CASH				INVESTMEN	ITS & CASH	
COUNTY MONEY MARKET FUND (OCMMF)							
County Money Market Fund		\$	727,676,102	OCIP			\$4,336,336,926
County Cash & Cash Equivalent			21,581,017	OCEIP			5,281,576,410
EXTENDED FUND			7,848,776,370	Specific Invest	ment Funds		106,957,368
EDUCATIONAL MONEY MARKET FUND (OCEM!	MF)			Non-Pooled Ca	sh & Cash Equi	valent	20,177,289
Educational Money Market Fund			1,015,207,729				
Educational Cash & Cash Equivalent			4,672,118				
NON-POOLED INVESTMENTS							
Non-Pooled Investments @ Cost			106,957,368				
Non-Pooled Cash & Cash Equivalent			20,177,289				
		\$	9,745,047,993				\$9,745,047,993
		1000					
	KEY POOI	ST	ATISTICS				
	ST RATE YIELD		4.070/		SHTED AVERAG	E MATURITY (W	
OCMMF - MONTHLY GROSS YIELD			1.97%	OCMMF			38
OCEMMF - MONTHLY GROSS YIELD	-1.6		2.26%	OCEMMF			46
JOHN WAYNE AIRPORT - MONTHLY GROSS YIE	ELD		2.38%	JOHN WAYNE A			88
OCIP - YTD NET YIELD ⁽³⁾			- 1-1000	LGIP WAM (Stan	dard & Poors)		35
OCEIP - YTD NET YIELD ⁽³⁾			1.84%				
90-DAY T-BILL YIELD - MONTHLY AVERAGE			2.40%				

INVESTMENT POOL STATISTICS FOR THE MONTH ENDED: JANUARY 31, 2019

	INVESTMENT STATIST	ICS	- By Investm	ent Fund			
DESCRIPTION	CURRENT BALAN	CES		Average Days to Maturity	Daily Yield as of 1/31/2019	MONTHLY Gross Yield	Current NAV (4
	MARKET Value	s	729,137,854	38	2.36%	1.97%	1.00
	COST (Capital)		727,676,102				
County Money Market Fund (OCMMF)	MONTHLY AVG Balance		846,582,639				
	BOOK Value		728,853,525				
	MARKET Value	\$	1,016,881,693	46	2.39%	2.26%	1.00
Educational Money Market Fund	COST (Capital)			40	2.35 /6	2.20%	1.00
(OCEMMF)	MONTHLY AVG Balance						
	BOOK Value		1,016,783,308				
						200 0000 000	
	MARKET Value			389	2.15%	2.14%	1.00
Extended Fund	COST (Capital)						
	MONTHLY AVG Balance S BOOK Value S	\$ 989,978,785 \$ 1,016,783,308 \$ 7,842,914,574 \$ 7,848,776,370 \$ 7,901,791,250					
	ALLOCATION OF	EX	TENDED FU	ND			
Extended Fund							
OCIP Share	MARKET Value	•	3,584,400,825	389	2.15%	2.14%	1.00
	COST (Capital)		3,587,079,807		2.1070	2.1470	1.00
	MONTHLY AVG Balance		3,590,637,555				
	BOOK Value		3,589,409,183				
OCEIP Share	MARKET Value		4,258,513,749	389	2.15%	2.14%	1.00
	COST (Capital)		4,256,513,749	309	2.13%	2.1470	1.00
	MONTHLY AVG Balance		4,311,153,695				
	BOOK Value		4,264,464,021				
Duration			1.04				

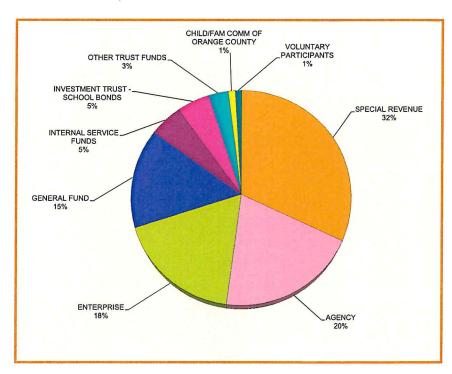
⁽¹⁾ The Combined Pool Balances include the County and Educational Money Market Funds and their respective portions of the Extended Fund.
(2) Specific non-pooled investments are reported in compliance with Government Code Section 53646 (b)(1). Detailed descriptions are included in the inventory listing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

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

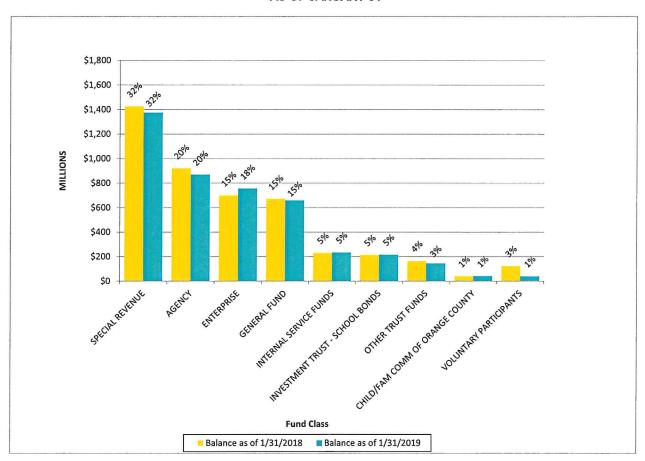
Book Value is computed as Cost reduced by amortization of premium and increased by the accretion of discount of the Investment Portfolio. Net Asset Value (NAV) is equal to Market Value divided by Book Value.

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

FUNDS	BALANCE
SPECIAL REVENUE	\$ 1,375,475,942
AGENCY	868,888,143
ENTERPRISE	756,159,512
GENERAL FUND	658,665,208
INTERNAL SERVICE FUNDS	233,871,642
INVESTMENT TRUST - SCHOOL BONDS	216,466,697
OTHER TRUST FUNDS	145,739,919
CHILD/FAM COMM OF ORANGE COUNTY	40,898,682
VOLUNTARY PARTICIPANTS	40,171,182
TOTAL	\$ 4,336,336,927

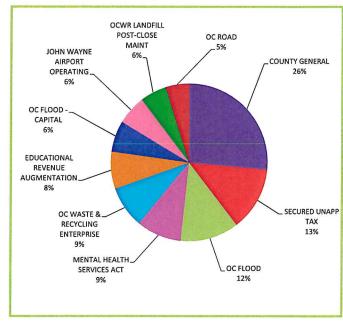


ORANGE COUNTY INVESTMENT POOL COMPOSITION BY FUND AS OF JANUARY 31



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

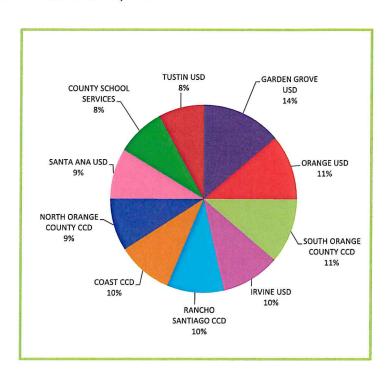
FUND#	FUND NAME	BALANCE
100	COUNTY GENERAL	\$ 616,395,144
673	SECURED UNAPP TAX	304,298,425
400	OC FLOOD	282,888,125
13Y	MENTAL HEALTH SERVICES ACT	216,308,023
299	OC WASTE & RECYCLING ENTERPRISE	201,947,326
664	EDUCATIONAL REVENUE AUGMENTATION	177,550,913
404	OC FLOOD - CAPITAL	149,044,171
280	JOHN WAYNE AIRPORT OPERATING	140,734,263
279	OCWR LANDFILL POST-CLOSE MAINT	128,368,877
115	OC ROAD	 113,586,460
	TOTAL	\$ 2,331,121,727



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

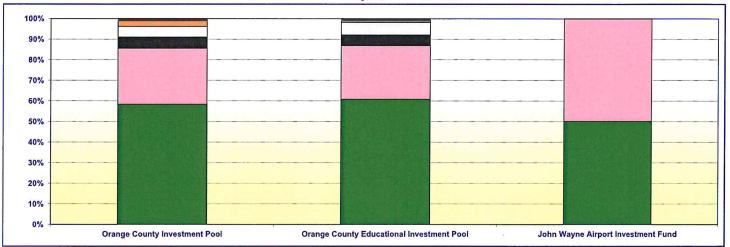
DISTRICT #	SCHOOL DISTRICT	BALANCE (1)		
72	GARDEN GROVE USD	\$	446,336,542	(
80	ORANGE USD		367,379,629	(
96	SOUTH ORANGE COUNTY CCD		362,559,296	
75	IRVINE USD		330,358,941	(
92	RANCHO SANTIAGO CCD		323,722,765	(
90	COAST CCD		312,466,946	(
88	NORTH ORANGE COUNTY CCD		294,155,521	(
84	SANTA ANA USD		282,168,231	(
94	COUNTY SCHOOL SERVICES		272,367,689	
87	TUSTIN USD		257,513,138	(
	TOTAL	\$ 3,2	249,028,698	

(1) BALANCES INCLUDE GENERAL OBLIGATION BOND PROCEEDS



ORANGE COUNTY TREASURER - TAX COLLECTOR BY INVESTMENT TYPE AT MARKET VALUE - By Percentage Holdings

January 31, 2019



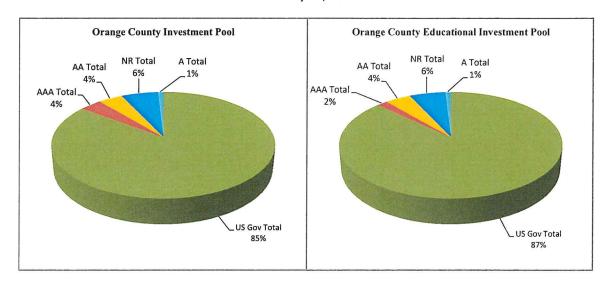
Orange County Inves	tmer	t Pool	
	In	Thousands	%
U. S. GOVERNMENT AGENCIES	\$	2,518,058	58.38%
U. S. TREASURIES		1,170,502	27.14%
MUNICIPAL DEBT		238,123	5.51%
MEDIUM-TERM NOTES		217,831	5.05%
MONEY MARKET MUTUAL FUNDS		121,134	2.81%
LOCAL AGENCY INVESTMENT FUND		29,636	0.69%
CERTIFICATES OF DEPOSIT		18,255	0.42%
	\$	4,313,539	100.00%

Orange County Educational	Inves	tment Pool	
	In	Thousands	%
U. S. GOVERNMENT AGENCIES	\$	3,209,135	60.84%
U. S. TREASURIES		1,367,074	25.91%
MUNICIPAL DEBT		282,906	5.36%
MEDIUM-TERM NOTES		315,418	5.98%
MONEY MARKET MUTUAL FUNDS		43,964	0.83%
LOCAL AGENCY INVESTMENT FUND		35,210	0.67%
CERTIFICATES OF DEPOSIT		21,688	0.41%
	\$	5,275,395	100.00%

John Wayne Airport Investment Fund									
	In T	housands	%						
U. S. GOVERNMENT AGENCIES U. S. TREASURIES MONEY MARKET MUTUAL FUNDS	S	25,900 25,652 113	50.13% 49.65% 0.22%						
	\$	51,665	100.00%						

CREDIT QUALITY BY MARKET VALUE

January 31, 2019



US GOV Includes Agency & Treasury Debt

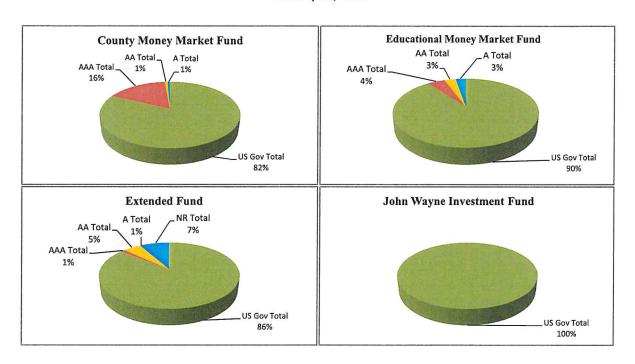
AA includes AA+, AA-, & AA

A includes A+, A-, & A

NR Includes LAIF and Orange County Pension Obligation Bonds

CREDIT QUALITY BY MARKET VALUE

January 31, 2019



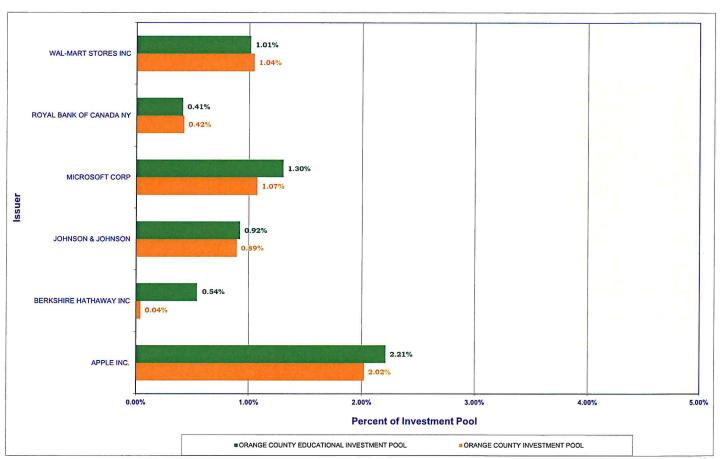
US GOV Includes Agency & Treasury Debt

AA includes AA+, AA-, & AA

A includes A+, A-, & A

NR Includes LAIF and Orange County Pension Obligation Bonds

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



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

January 31, 2019

ISSUER	S&P	S/T RATINGS Moody's	Fitch	S&P	L/T RATINGS Moody's	Fitch
U.S. TREASURY S	SECURITI					
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-I+	P-1	F1+	AA+	Aaa	AAA
MEDIUM-TER	M NOTES					
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+	АЛА	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 INVES	TMENT F	UND			
LOCAL AGENCY INVESTMENT FUND	NR	NR	NR	NR	NR	NR
MONEY MARKET MU	TUAL FUN	NDS ***				
NAME OF FUND	S	& P	Mod	ody's	Fite	h
INVESCO GOVERNMENT & AGENCY SHORT-TERM INVESTMENTS TRUST (AIM)	A	AAm	Aa	a-mf	AAAn	nmf
GOLDMAN SACHS FINANCIAL SQUARE GOVT FUND	A	AAm	Aaa	a-mf	NR	
MORGAN STANLEY INSTITUTIONAL LIQUIDITY FUNDS - GOVT	A	AAm	Aaa	a-mſ	NR	
NORTHERN INSTITUTIONAL TREASURY PORTFOLIO	A	AAm	N	IR	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 ****										
ROYAL BANK OF CANADA NY (JULY, 2016)	A-1+	P-1	F1+	AA-	A2	AA				
BERKSHIRE HATHAWAY INC	A-1+	P-1	NR	AA	Aa2	A+				
BERKSHIRE HATHAWAY FINANCE	NR	NR	NR	NR	Aa2	A+				

^{****} Royal Bank of Canada, 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 \$75 million as of January 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 January 31, 2019

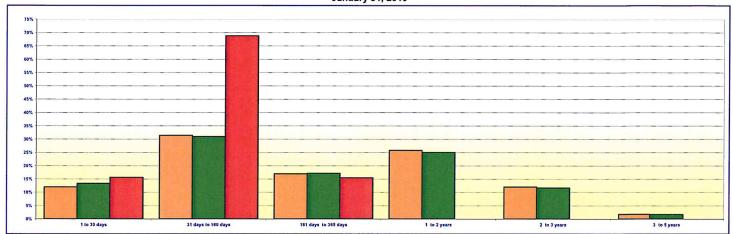
During January, there were three changes to the Treasurer's Approved Issuer List.

- On January 1, 2019, both Berkshire Hathaway Inc. and Berkshire Hathaway Finance were removed from the Approved Issuer List as required by the 2019 Investment Policy Statement (IPS) credit rating requirement, which now requires a minimum issuer credit rating of AA.
- On January 1, 2019, Royal Bank of Canada was removed from the Approved Issuer List as required by the 2019 IPS credit rating requirement, which now requires a minimum issuer credit rating of AA.

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

January 31, 2019

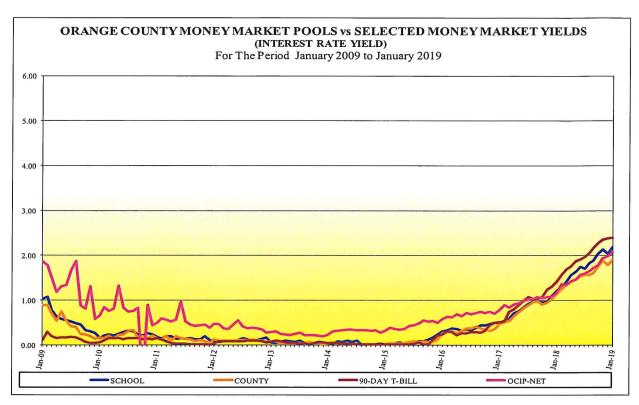


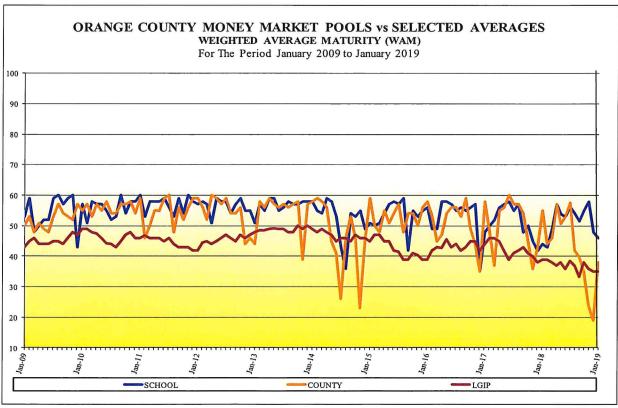
	ORANG	SE COUNTY INVESTMEN	NT POOL
	In T	Thousands (1)(2)	%
1 TO 30 DAYS	\$	519,302	12.01%
31 TO 180 DAYS		1,358,384	31.41%
181 TO 365 DAYS		733,941	16.97%
1 YEAR TO 2 YEARS		1,115,799	25.80%
2 YEARS TO 3 YEARS		521,765	12.06%
3 YEARS TO 5 YEARS		75,891	1.75%
TOTAL	\$	4,325,082	100.00%

	ORANGE	COUNTY EDUCATIONAL IN	IVESTMENT POOL
	li li	n Thousands (1)(2)	%
1 TO 30 DAYS	\$	705,045	13.33%
31 TO 180 DAYS		1,638,372	30.98%
181 TO 365 DAYS		909,931	17.20%
1 YEAR TO 2 YEARS		1,325,645	25.07%
2 YEARS TO 3 YEARS		619,892	11.72%
3 YEARS TO 5 YEARS		90,164	1.70%
TOTAL	S	5,289,049	100.00%

	In Th	ousands (1)(2)	%
1 TO 30 DAYS	\$	8,113	15.65%
31 TO 180 DAYS		35,675	68.83%
181 TO 365 DAYS		8,045	15.52%
TOTAL	\$	51,833	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 1/31/2019, Floating Rate Notes comprise 1.31%, 2.11%, and 0.00% of the Orange County Investment Pool, Orange County Educational Investment Pool, and JWA Investment Fund respectively.





[•]For the Month Ended January 31, 2019, S&P LGIP - 2.36; S&P LGIP WAM -35; 90-Day T-Bill - 2.40; OCIP - Net - 2.05

ORANGE COUNTY TREASURER-TAX COLLECTOR INVESTMENT POOL YIELDS

February 1, 2018 - January 31, 2019

	n Harr				CDOCC	
		AONTH END			GROSS	
PERIOD ENDING - MONTH / YEAR	l b	MONTH END			AVERAGE	
		MARKET		EARNINGS	YIELD FOR	MONTH
		VALUE	F	OR MONTH	MONTH	END WAM
Current Month January 2019						
OCMMF	\$	729,137,854	\$	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	0	000 400 040		205 257	4 0004	
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 August 2018	\$		\$	174,919	N/A	N/A
OCMMF	2	650 500 240	0	760 020	1 649/	40
OCEMMF	\$	659,580,340 1,135,219,335	\$	768,838 2,041,031	1.64% 1.90%	42 54
Extended Fund	\$	6,595,429,549	\$	9,597,798	1.69%	414
July 2018	Ψ	0,030,423,043	Ψ	9,591,190	1.0976	414
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	-	0,011,200,011	Ψ	0,101,100	1.0070	102
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		-,,,		5,525,555		
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
March 2018						
OCMMF	\$	1,466,459,327	\$	1,551,676	1.41%	46
OCEMMF	\$	1,149,359,827	\$	1,585,016	1.48%	49
Extended Fund	\$	6,652,243,109	\$	7,957,780	1.40%	415
February 2018	103-4	7				
OCMMF	\$	1,396,683,700	\$	1,284,889	1.32%	44
OCEMMF	\$	1,273,494,829	\$	1,464,904	1.37%	43
Extended Fund	\$	6,647,720,511	\$	7,473,044	1.46%	428
Plant Value Park Anna Anna Anna Anna		verage Month		YTD	YTD	YTD
Fiscal Year July 1, 2018 - June 30, 2019	En	d Market Value	Int	terest Income	Gross Yield	Average
COLD		Balance				
OCIP	\$	4,270,791,068	\$	47,204,734	1.87%	334
OCEIP	\$	4,744,186,699	\$	53,335,768	1.90%	334
OC Extended Fund B	\$	**************************************	\$	175,006	N/A	N/A

ORANGE COUNTY TREASURER-TAX COLLECTOR CASH AVAILABILITY PROJECTION

FOR THE SIX MONTHS ENDING JULY 31, 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 July 31, 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 (COU	INTY INVESTI	IEN	IT POOL	
		Investment		Projected		Projected	Cumulative
Month		Maturities		Deposits		Disbursements	Available Cash
January 2019 - E	Inding Cash						\$ 21,581,017
February	\$	489,941,844	\$	450,777,619	\$	327,624,141	634,676,339
March		401,024,509		736,370,267		639,089,244	1,132,981,871
April		700,310,106		2,239,821,919		1,852,325,228	2,220,788,668
May		190,618,127		333,476,285		815,312,941	1,929,570,139
June		34,813,933		309,109,230		719,338,969	1,554,154,333
July		171,909,655		323,263,727		712,600,428	1,336,727,287

	ORANG	E COUNTY	ED	UCATIONAL I	NVI	ESTMENT PO	OL	
		Investment		Projected		Projected		Cumulative
Month		Maturities		Deposits	D	isbursements		Available Cash
January 2019 - En	iding Cash						\$	4,672,118
February	\$	665,602,044	\$	332,125,850	\$	705,327,935		297,072,077
March		515,332,230		535,053,767		717,707,481		629,750,593
April		739,547,869		1,071,637,286		735,278,479		1,705,657,269
May		278,458,408		383,682,748		715,333,708		1,652,464,717
June		58,730,100		579,401,237		665,332,626		1,625,263,428
July		205,495,916		249,077,007		547,872,278		1,531,964,073

STATEMENT OF ACCOUNTABILITY

For the Month Ended January 31, 2019

	Month
Treasurer's Accountability at the Beginning of the Period:	\$10,521,409,361
Cash Receipts:	
County	594,578,384
School and Community College Districts	840,570,846
Total Cash Receipts	1,435,149,230
Cash Disbursements:	
County	1,274,222,653
School and Community College Districts	936,057,024
Total Cash Disbursements	2,210,279,677
Net Change in Cost Value of Pooled Assets	(775,130,447)
Net Increase in Non-Pooled Investments	176,252
Net (Decrease) in Non-Pooled Cash	(1,407,173)
Treasurer's Accountability at the End of the Period:	\$ 9,745,047,993
Assets in the Treasury at the End of the Period (at Cost Value):	
Pooled Investments:	
Orange County Investment Pool	\$ 4,314,755,909
Orange County Educational Investment Pool	5,276,904,292
Total Pooled Investments	9,591,660,201
Non-Pooled Investments:	
Non-Pooled Investments - John Wayne Airport	51,564,469
Non-Pooled Investments - Fountain Valley School District Fund 40	34,790,770
Non-Pooled Investments - CCCD Series 2017E Bonds	20,602,129
Total Non-Pooled Investments	106,957,368
Cash and Cash Equivalent:	
Cash in banks - County	21,497,362
Cash in banks - Schools	4,672,118
Cash in banks - OC Sheriff	12,393,780
Cash in banks - John Wayne Airport	7,783,509
Cash - Other	83,655
Total Cash	46,430,424
Total Assets in the Treasury at the End of the Period:	\$ 9,745,047,993

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

		January	31, 2013								
Investment Policy (IPS) Guidelines		Orange Co Money Marke			Extended F	und		Orange County Ed Money Market		John Wayne investment	
Diversification % Limit	Investment Type	Market Value of Investments ⁽¹⁾	Percent of Portfolio		farket 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	\$ 211,298,604	28.98%	\$	2,098,802,817	26.76%	\$	227,474,935	22.37%	\$ 25,652,046	49.65%
100%	U.S. Government Agency Securities (GSEs)	392,590,809	53.84%		4,650,666,466	59.30%		683,934,787	67.26%	25,899,956	50.13%
20%	Municipal Debt		0.00%	1	521,028,770	6.64%	1		0.00%	-	0.00%
20%	Medium-Term Notes	4,114,704	0.57%		467,626,473	5.96%		61,508,246	6.05%	-	0.00%
40%	Banker Acceptances	-	0.00%			0.00%			0.00%		0.00%
40%	Commercial Paper		0.00%		-	0.00%			0.00%	-	0.00%
20%	Negotiable Certificates of Deposits		0.00%		39,943,840	0.51%			0.00%		0.00%
\$65MM	Local Agency Investment Fund (LAIF)		0.00%		64,846,208	0.83%		-	0.00%		0.00%
20%	Repurchase Agreements	-	0.00%			0.00%	1	2	0.00%		0.00%
20%	Money Market Mutual Funds (MMMFs)	121,133,737	16.61%	1	*	0.00%		43,963,725	4.32%	112,771	0.22%
20%	JPA Investment Pools		0.00%	1		0.00%			0.00%		0.00%
30%	Supranationals	-	0.00%			0.00%		-	0.00%		0.00%
		\$ 729,137,854	100.00%	\$	7,842,914,574	100.00%	\$	1,016,881,693	100.00%	\$ 51,664,773	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
See Above	Diversification % Limit	Yes	Yes	Yes	Yes
	Issuer Limits				
100%	U.S. Treasuries Securities or GSEs	Yes (2)	Yes	Yes (2)	Yes
10%	MMMFs, or Repurchase Agreements, or JPA Inv Pool	Yes (7)	N/A	Yes (3)	Yes
5%	Remaining Issuers	Yes	Yes	Yes	Yes
	Maturity/Duration Limits				
60 Days	Weighted Average Maturity - Money Market Fund	Yes/38.40	N/A	Yes/46.44	N/A
90 Days	Weighted Average Maturity - JWA Investment Fund	N/A	N/A	N/A	Yes/87.96
1.5 Years	Duration	N/A	Yes/1.04	N/A	N/A
13 Months/397 days	Final Maturity - Money Market Fund	Yes/238	N/A	Yes/266	N/A
15 Months/458 days	Final Maturity - John Wayne Airport Investment Fund	N/A	N/A	N/A	Yes/266
5 Years/1826 days	Final Maturity - Extended Fund	N/A	Yes/1334	N/A	N/A
	Rating Limits				
≥ A-1/AA	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	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	1.0004	N/A	Yes/1.0001	Yes/1.0003

⁽¹⁾ All investments are marked-to-market in compliance with the Net Asset Value requirement in IPS and market values are provided by Bloomberg Professional Services and Northern Trust.
(2) Rating Agency requirements limit GSE investments to 33% per issuer for the two Money Market Funds.
(3) Rating Agency requirements limit investment in each Money Market Mutual Fund to 10%.

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 January 31, 2019

COMPLIANCE CATEGORY	RESPONSIBLE	DECIMATORY/DOLLAR CHIDELINES	
COMPLIANCE CATEGORY		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.
Quarterly Statement of Assets Review	AC	Performance Evaluation-Cal Govt. Code 26920(a)	September 30, 2018 and December 31, 2018 in progress.
Annual Statement of Assets Audit	AC	Performance Evaluation-Cal Govt. Code 26920(b)	Annual audit as of June 30, 2017 completed.
Quarterly Compliance Monitoring	TOC	TOC Directive	September 30, 2018 completed. December 31, 2018 in progress.
Investment Administrative Fee	TTC	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 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 two compliance incidents as of January 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
TOC Bylaw Changes	803	TOC Review and BOS Annual Approval	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
Alliluai IF3 Appiovai	803	TOC Review and BOS Annual Approval	additional changes. The BOS approved on December 18, 2018.
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
Broker/Financial Institution List	110	OC GIT Ban Ordinance and Form 700	TOC meeting on January 30, 2019.
Certificates of Compliance	TTC	TOC Bylaws Rule 34 - Annual	The TOC members are in compliance for calendar year 2019.
Ethics Training	TTC	TOC Bylaws Rule 34 - Every Two Years	The TOC members are in compliance for calendar year 2018.
Conflict of Interest Form 700 Filing	TTC	TOC Bylaws Rule 34 / IPS - Every Year	All TOC members and designated employees are in compliance for calendar year 2017.

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 January 31, 2019

During January, 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 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 Community CCD

North Orange County CCD

Rancho-Santiago CCD

South Orange County CCD

Orange County Regional Occupational Programs

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)