

Treasurer's Monthly **INVESTMENT** APRIL 2017 **REPORT**

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



COUNTY OF ORANGE

**TREASURER'S INVESTMENT REPORT
For April 30, 2017**

Table of Contents

I.	Memo to Board of Supervisors-Executive Summary	3
II.	Investment Pool Summary, Statistics and Charts, Fund Composition, Top Ten Participants	5
III.	Investment Objectives	12
	- <i>Safety - Investment Type/Credit Quality/Issuer Concentration/Issuer List</i>	
	- <i>Liquidity - Maturities Distribution</i>	
	- <i>Yield - Interest Rate Yield</i>	
IV.	Cash Availability Projection per California Government Code Section 53646(b)(3)	21
V.	Statement of Accountability	22
VI.	Investment Policy and Treasury Oversight Committee (TOC) Bylaws Compliance Summary	23
	- <i>Investment Policy Compliance Summary</i>	
	- <i>Investment Policy and TOC Bylaws Compliance Summary</i>	
	- <i>Noncompliance Detail</i>	
VII.	Portfolio Investment Inventory with Market Values	26
	- <i>Extended Fund, County and Educational Money Market Funds</i>	
	- <i>John Wayne Airport Investment Pool/Non-pooled Investments</i>	
	- <i>Investments with Trustees - CEO/Public Finance</i>	
	- <i>Investments with Trustees - John Wayne Airport</i>	
	- <i>Portfolio Holdings of Debt Issued by Pool Participants</i>	
	- <i>Temporary Transfers to School Districts</i>	
VIII.	Detailed Transaction Reports	67
	- <i>Transaction Report by Fund for all Funds</i>	
	- <i>Money Market Mutual Fund Transactions</i>	
IX.	Distribution List	99



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



INTERDEPARTMENTAL COMMUNICATION

Date: May 15, 2017

To: Supervisor Michelle Steel, Chairwoman
Supervisor Andrew Do, Vice-Chair
Supervisor Todd Spitzer
Supervisor Shawn Nelson
Supervisor Lisa Bartlett

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

Subject: Treasurer's Investment Report for the Month Ended April 30, 2017

Attached, please find the Treasurer's Investment Report for the County of Orange for the month ended April 30, 2017. 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 April 30, 2017. 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 55 and 56, respectively. The maximum maturity of investments for the John Wayne Investment Fund is 15 months, with a maximum WAM of 90 days, and a current WAM of 67. The maximum maturity of the Extended Fund is five years, with duration not to exceed the Merrill Lynch 1-3 Year index +25% (2.34), and the duration is currently at 1.33. 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 April, the job market added 211,000 new jobs, and March's job numbers were revised downwards by 19,000 to 79,000. The U.S. unemployment rate for April fell to 4.4%, down from 4.5% in March. The Empire State Manufacturing Index fell to 5.2 from 16.4 in March, while the Philadelphia Fed Index decreased to 22.0 from 32.8 in March. The Federal Reserve uses these indexes as regional economic gauges, and a reading above zero signals economic expansion. With respect to housing, the S&P/CaseShiller U.S. Index reported that housing prices continue to show positive momentum as year-over-year prices increased for the fifty-eighth consecutive month in February, up 5.76% from a year ago. The index for pending home sales increased 0.51% on a year-over-year basis in March. The 10-year Treasury rate fell from 2.40% in March to 2.29% in April.

The short-term 90-day T-bill ended the month at 0.80%, up from 0.76% in March. The rate on the 2-year Treasury note was 1.28% at the end of April, up from 1.27% in March.

INVESTMENT INTEREST YIELDS AND FORECAST

The current gross interest yield year-to-date for fiscal year 2016/2017 is 0.83% for the OCIP and 0.84% for the OCEIP. The current net yield for fiscal year 2016/2017 is 0.78% and 0.79% respectively. The forecasted net yield for fiscal year 2016/2017 for both OCIP and OCEIP will exceed the net forecasted yield of .77%.

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 months following. The April 2017 interest apportionment is expected to be paid by May 31, 2017. The investment administrative fee for fiscal year 2016/2017 is estimated at 6.5 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 April 30, 2017.

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 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 \$442.6 million in County of Orange debt, which represents approximately 4.6% of pooled assets. Prior to purchasing any pool participant debt, a standardized credit analysis is performed.

COMPLIANCE SUMMARY

The IPS had one compliance exception for the month of April 2017, caused when a designated employee filed a Form 700 Assuming Office Statement late. The investment portfolios had no compliance exceptions for the month of April 2017.

CREDIT UPDATE

During April, 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 April 30, 2017 and is in conformity with all State laws and the IPS approved by the Board of Supervisors on November 22, 2016. 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

	APRIL 2017	MARCH 2017	INCREASE (DECREASE)	NET CHANGE %	APRIL 2016	INCREASE (DECREASE)	NET CHANGE %
Orange County Investment Pool (OCIP)							
End Of Month Market Value ^{1,2}	\$ 4,813,646,800	\$ 4,618,257,699	\$ 195,389,101	4.23%	\$ 4,355,799,839	\$ 457,846,961	10.51%
End Of Month Book Value ²	\$ 4,819,878,734	\$ 4,625,013,477	\$ 194,865,257	4.21%	\$ 4,350,591,265	\$ 469,287,469	10.79%
Monthly Average Balance ²	\$ 5,311,881,303	\$ 4,268,775,988	\$ 1,043,105,315	24.44%	\$ 4,826,146,042	\$ 485,735,261	10.06%
Year-To-Date Average Balance	\$ 4,147,335,065	\$ 4,017,941,038	\$ 129,394,027	3.22%	\$ 3,774,340,142	\$ 372,994,923	9.88%
Monthly Accrued Earnings ³	\$ 4,074,936	\$ 3,303,437	\$ 771,499	23.35%	\$ 2,767,578	\$ 1,307,357	47.24%
Monthly Net Yield ³	0.86%	0.85%	0.02%	2.25%	0.63%	0.23%	37.23%
Year-To-Date Net Yield ³	0.78%	0.76%	0.02%	3.17%	0.55%	0.23%	41.82%
Annual Estimated Gross Yield ⁴	0.84%	0.84%	0.00%	0.00%	0.64%	0.20%	30.43%
Weighted Average Maturity (WAM)	315	333	(18)	-5.41%	345	(30)	-8.72%
Orange County Educational Investment Pool (OCEIP)							
End Of Month Market Value ^{1,2}	\$ 4,809,479,447	\$ 4,277,435,171	\$ 532,044,276	12.44%	\$ 4,420,717,012	\$ 388,762,435	8.79%
End Of Month Book Value ²	\$ 4,816,002,165	\$ 4,284,742,978	\$ 531,259,187	12.40%	\$ 4,415,593,418	\$ 400,408,747	9.07%
Monthly Average Balance ²	\$ 4,495,979,203	\$ 4,072,422,938	\$ 423,556,265	10.40%	\$ 4,100,626,924	\$ 395,352,279	9.64%
Year-To-Date Average Balance	\$ 4,049,742,814	\$ 4,000,160,993	\$ 49,581,821	1.24%	\$ 3,757,822,619	\$ 291,920,195	7.77%
Monthly Accrued Earnings ³	\$ 3,695,190	\$ 3,296,030	\$ 399,160	12.11%	\$ 2,656,317	\$ 1,038,873	39.11%
Monthly Net Yield ³	0.93%	0.89%	0.05%	5.07%	0.72%	0.21%	29.39%
Year-To-Date Net Yield ³	0.79%	0.76%	0.03%	3.56%	0.57%	0.22%	38.87%
Annual Estimated Gross Yield ⁴	0.84%	0.84%	0.00%	0.00%	0.65%	0.19%	28.64%
Weighted Average Maturity (WAM) ⁵	326	375	(49)	-13.07%	337	(11)	-3.30%

¹ Market values provided by Bloomberg and Northern Trust. The OCIP and OCEIP market values in March and April 2017 are slightly lower than book values due to the Federal Reserve short-term rate increase, but both have a net asset value of 1.00 and have sufficient liquidity to meet projected cash flow needs.

² In April 2017, OCIP and OCEIP market values, book values and monthly average balances increased from March 2017 primarily due to incoming secured property tax receipts. OCIP and OCEIP market values, book values and monthly average balances were higher than April 2016 primarily due to higher secured property tax receipts.

³ In April 2017, OCIP and OCEIP monthly accrued earnings, monthly and year-to-date net yields were higher than April 2016 due to an increase in the Federal Reserve short-term rate of 25 basis points and investments in higher yielding securities, and higher average pool balances. OCIP and OCEIP monthly accrued earnings increased from March 2017 due to higher investment balances.

⁴ The OCIP and OCEIP Annual Estimated Gross Yield for April 2016 is reported at the actual annual gross yield for FY15/16, and their Annual Estimated Gross Yield for April 2017 is reported at the latest forecasted gross yields of 0.84%. The Annual Estimated Gross Yield for FY 16/17 is higher than FY 15/16 due to an increase of the Federal Reserve short-term rate of 25 basis points, reductions in excess liquidity, and improved cash management while maintaining the same high credit quality of securities.

⁵ OCEIP WAM was lower due to an increase in shorter-term maturities related to the April receipt of secured property tax.

ORANGE COUNTY TREASURER-TAX COLLECTOR
INVESTMENT POOL STATISTICS
FOR THE MONTH ENDED: APRIL 30, 2017

INVESTMENT STATISTICS - By Investment Pool*						
DESCRIPTION	CURRENT BALANCES		Average Days to Maturity	Daily Yield as of 04/30/17	MONTHLY Gross Yield	Current NAV
COMBINED POOL BALANCES (Includes the Extended Fund)						
	MARKET Value \$	4,813,646,800	315	0.96%	0.93%	1.00
	COST (Capital) \$	4,827,119,290				
	MONTHLY AVG Balance \$	5,311,881,303				
	BOOK Value \$	4,819,878,734				
Orange County Investment Pool (OCIP)						
	MARKET Value \$	4,809,479,447	326	1.00%	1.00%	1.00
	COST (Capital) \$	4,823,659,028				
	MONTHLY AVG Balance \$	4,495,979,203				
	BOOK Value \$	4,816,002,165				
Orange County Educational Investment Pool (OCEIP)						
	MARKET Value \$	4,809,479,447	326	1.00%	1.00%	1.00
	COST (Capital) \$	4,823,659,028				
	MONTHLY AVG Balance \$	4,495,979,203				
	BOOK Value \$	4,816,002,165				
INVESTMENT STATISTICS - Non Pooled Investments **						
DESCRIPTION	CURRENT BALANCE		INVESTMENT BALANCES AT COST			
Specific Investment Funds: 100, 283, 505, 650 FVSD	MARKET Value \$	150,758,241	General Fund - Non AMT Restricted			\$ 67,458,736
	COST (Capital) \$	150,811,492	John Wayne Airport Investment Fund			47,406,399
	MONTHLY AVG Balance \$	153,678,990	Repurchase Agreement			1,081,500
	BOOK Value \$	150,773,448	Fountain Valley School District Fund 40			34,864,857
						\$ 150,811,492
MONTH END TOTALS						
INVESTMENTS & CASH			INVESTMENTS & CASH			
COUNTY MONEY MARKET FUND (OCMMF)						
County Money Market Fund	\$	1,928,777,372	OCIP			\$ 4,827,902,801
County Cash		783,511	OCEIP			4,830,033,134
EXTENDED FUND		5,911,881,918	Specific Investment Funds			150,811,492
EDUCATIONAL MONEY MARKET FUND (OCEMMF)			Non Pooled Cash			20,861,294
Educational Money Market Fund		1,810,119,028				
Educational Cash		6,374,106				
NON POOLED INVESTMENTS & CASH						
Non Pooled Investments		150,811,492				
Non Pooled Cash		20,861,294				
	\$	9,829,608,721	\$ 9,829,608,721			
KEY POOL STATISTICS						
INTEREST RATE YIELD			WEIGHTED AVERAGE MATURITY (WAM)			
OCMMF - MONTHLY GROSS YIELD		0.72%	OCMMF			55
OCEMMF - MONTHLY GROSS YIELD		0.78%	OCEMMF			56
JOHN WAYNE AIRPORT - MONTHLY GROSS YIELD		0.67%	JOHN WAYNE AIRPORT WAM			67
OCIP - YTD NET YIELD***		0.78%	LGIP WAM (Standard & Poors)			45
OCEIP - YTD NET YIELD***		0.79%				
90-DAY T-BILL YIELD - MONTHLY AVERAGE		0.80%				

ORANGE COUNTY TREASURER-TAX COLLECTOR
INVESTMENT POOL STATISTICS
FOR THE MONTH ENDED: APRIL 30, 2017

INVESTMENT STATISTICS - By Investment Fund****

DESCRIPTION	CURRENT BALANCES	Average Days to Maturity	Daily Yield as of 04/30/17	MONTHLY Gross Yield	Current NAV
<u>County Money Market Fund (OCMMF)</u>	MARKET Value \$ 1,928,898,078 COST (Capital) \$ 1,928,777,372 MONTHLY AVG Balance \$ 2,409,261,334 BOOK Value \$ 1,928,799,524	55	0.77%	0.72%	1.00
<u>Educational Money Market Fund (OCEMMF)</u>	MARKET Value \$ 1,810,058,617 COST (Capital) \$ 1,810,119,028 MONTHLY AVG Balance \$ 1,482,439,203 BOOK Value \$ 1,809,999,202	56	0.77%	0.78%	1.00
<u>Extended Fund</u>	MARKET Value \$ 5,884,169,552 COST (Capital) \$ 5,911,881,918 MONTHLY AVG Balance \$ 5,916,159,969 BOOK Value \$ 5,897,082,173	488	1.11%	1.11%	1.00
ALLOCATION OF EXTENDED FUND					
<u>Extended Fund</u> <u>OCIP Share</u>	MARKET Value \$ 2,884,749,722 COST (Capital) \$ 2,898,341,918 MONTHLY AVG Balance \$ 2,902,619,969 BOOK Value \$ 2,891,079,210	488	1.11%	1.11%	1.00
<u>OCEIP Share</u>	MARKET Value \$ 2,999,420,830 COST (Capital) \$ 3,013,540,000 MONTHLY AVG Balance \$ 3,013,540,000 BOOK Value \$ 3,006,002,963	488	1.11%	1.11%	1.00
<u>Modified Duration</u>		1.33			

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

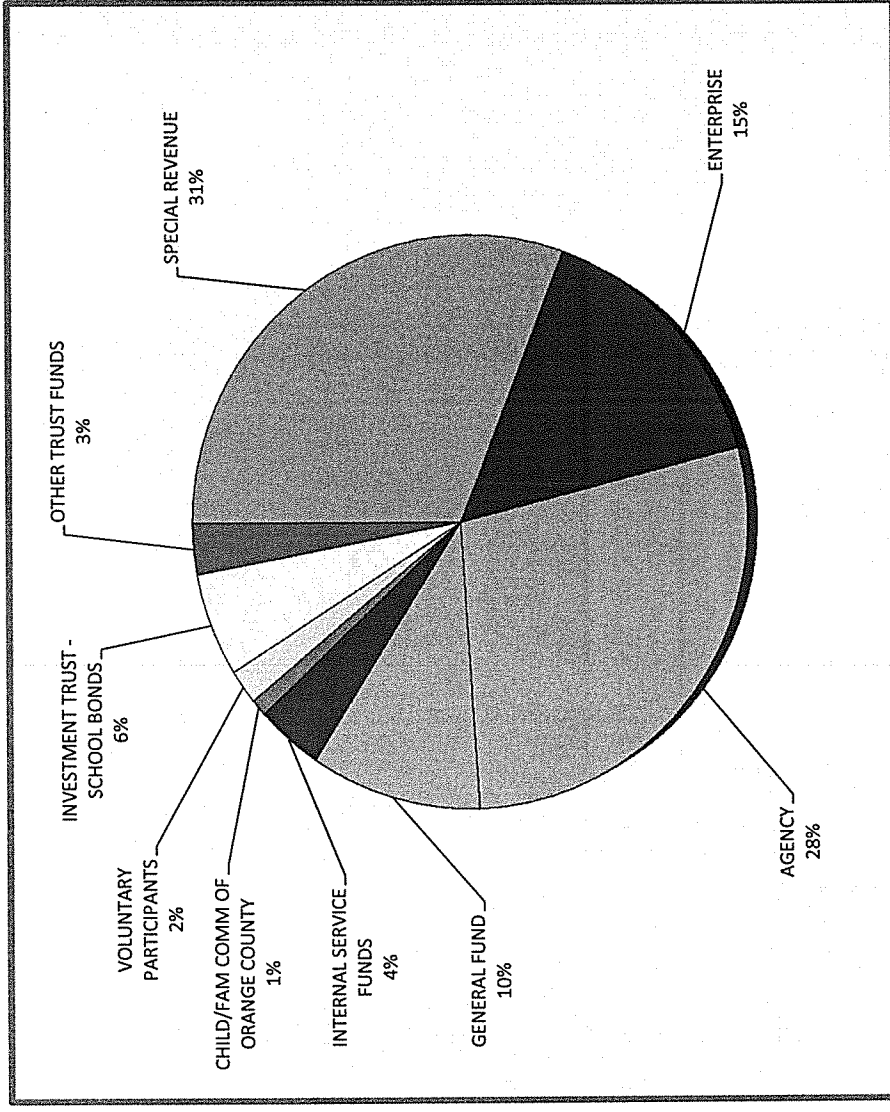
** Specific non pooled investments are reported in compliance with Government Code Section 53646 (b)(1). Detailed descriptions are included in the inventory listing in Section VII of this report.

*** The Net Yield differs from the monthly average yield as it includes the Treasury administrative fees.

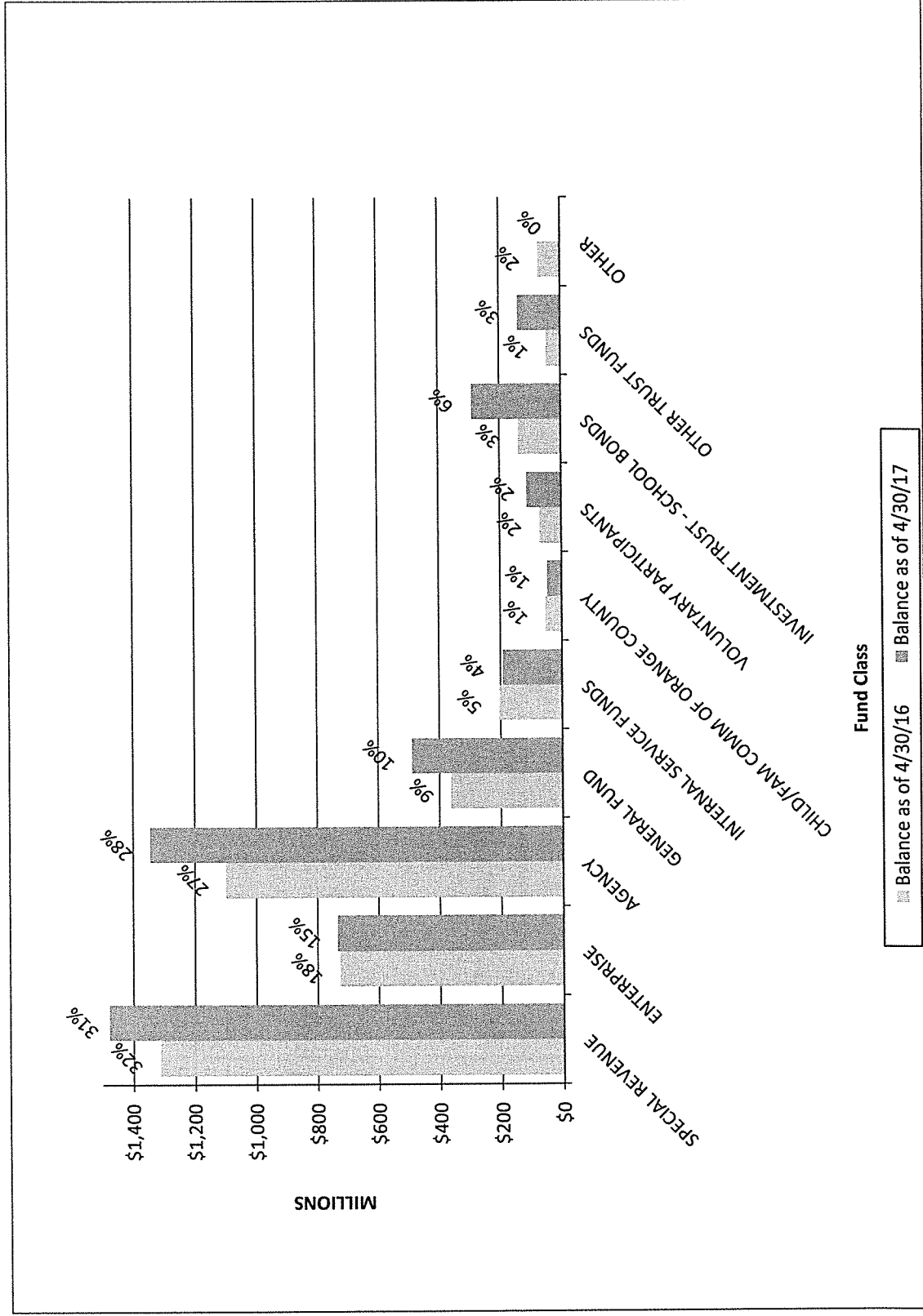
**** Book Value is computed as Cost reduced by amortization of premium and increased by the accretion of discount of the Investment Portfolio. Net Asset Value (NAV) is equal to Market Value divided by Book Value.

ORANGE COUNTY INVESTMENT POOL COMPOSITION BY FUND AS OF APRIL 30, 2017

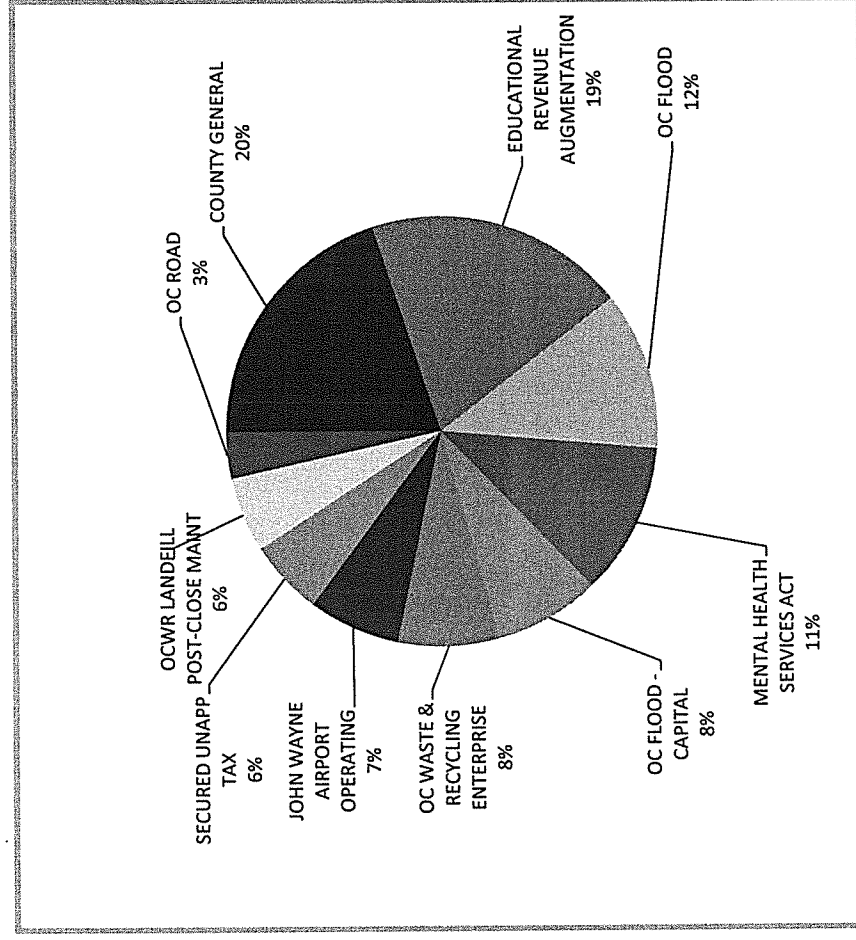
FUNDS	BALANCE
SPECIAL REVENUE	\$ 1,476,937,926
AGENCY	1,345,170,415
ENTERPRISE	734,513,524
GENERAL FUND	489,231,071
INVESTMENT TRUST - SCHOOL BONDS	290,606,089
INTERNAL SERVICE FUNDS	192,739,616
VOLUNTARY PARTICIPANTS	112,229,521
CHILD/FAM COMM OF ORANGE COUNTY	46,773,734
OTHER TRUST FUNDS	139,700,905
TOTAL	\$ 4,827,902,801



ORANGE COUNTY INVESTMENT POOL
COMPOSITION BY FUND
AS OF APRIL 30



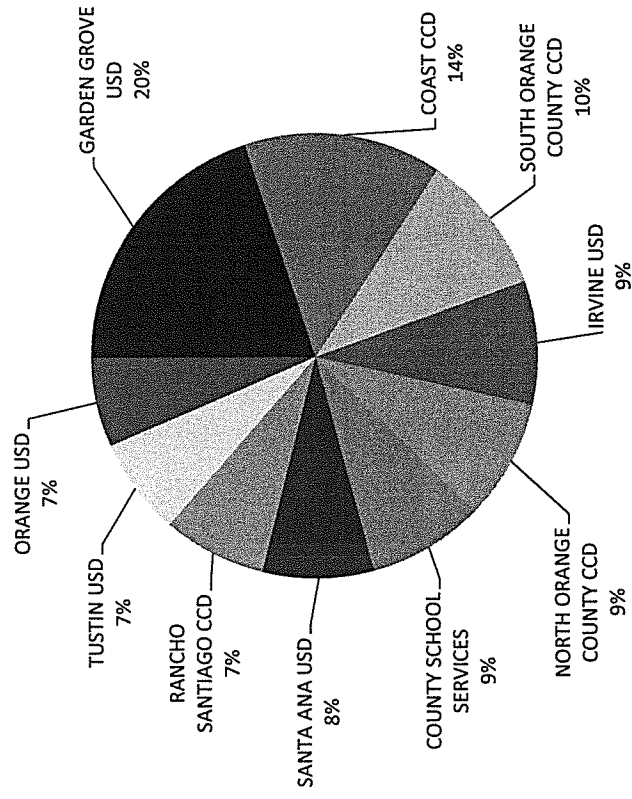
ORANGE COUNTY INVESTMENT POOL
TOP TEN POOL PARTICIPANTS
AS OF APRIL 30, 2017



FUND #	FUND NAME	BALANCE
100	COUNTY GENERAL	469,807,860
664	EDUCATIONAL REVENUE AUGMENTATION	458,911,274
400	OC FLOOD	279,694,225
13Y	MENTAL HEALTH SERVICES ACT	268,654,325
404	OC FLOOD - CAPITAL	186,619,532
299	OC WASTE & RECYCLING ENTERPRISE	177,767,803
280	JOHN WAYNE AIRPORT OPERATING	162,621,248
673	SECURED UNAPP TAX	133,531,662
279	OCWR LANDFILL POST-CLOSE MAINT	132,196,676
115	OC ROAD	81,957,325
TOTAL		\$ 2,351,561,730

ORANGE COUNTY EDUCATIONAL INVESTMENT POOL
TOP TEN POOL PARTICIPANTS
AS OF APRIL 30, 2017

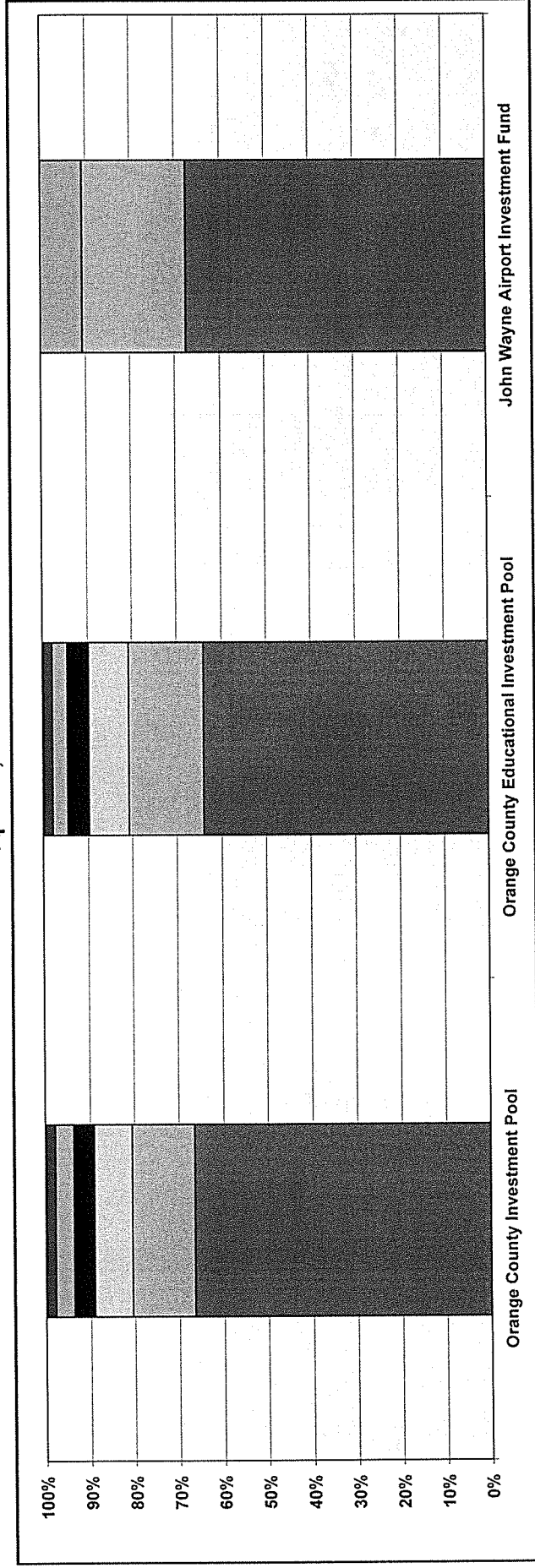
DISTRICT #	SCHOOL DISTRICT	BALANCE
72	GARDEN GROVE USD	\$ 625,914,320
90	COAST CCD	451,340,967
96	SOUTH ORANGE COUNTY CCD	321,620,798
75	IRVINE USD	281,474,437
88	NORTH ORANGE COUNTY CCD	274,923,284
94	COUNTY SCHOOL SERVICES	267,146,145
84	SANTA ANA USD	253,205,101
92	RANCHO SANTIAGO CCD	234,735,870
87	TUSTIN USD	220,693,711
80	ORANGE USD	205,425,054
TOTAL		\$ 3,136,479,687



ORANGE COUNTY TREASURER - TAX COLLECTOR

BY INVESTMENT TYPE - By Percentage Holdings

April 30, 2017



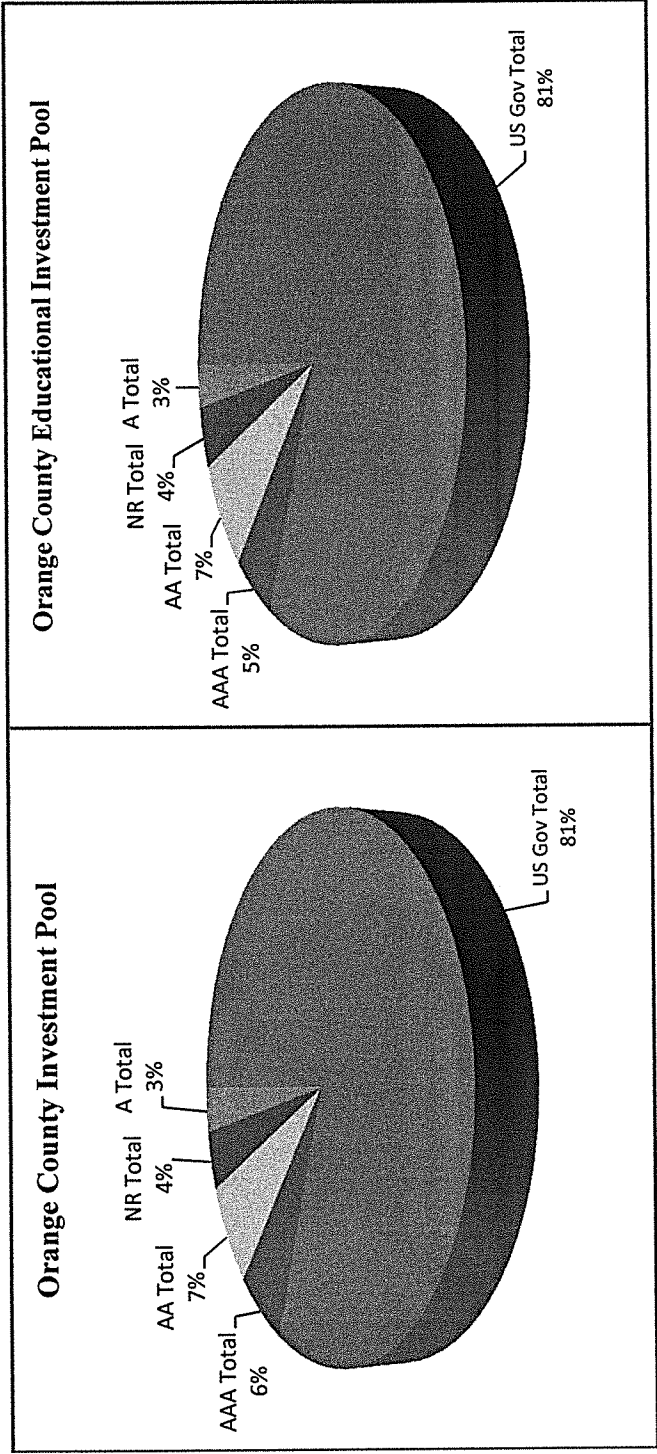
Orange County Investment Pool			
	In Thousands		%
U. S. GOVERNMENT AGENCIES	\$ 3,200,818		68.49%
U. S. TREASURIES	677,465		14.07%
MEDIUM - TERM NOTES	407,302		8.46%
MUNICIPAL DEBT	216,967		4.51%
MONEY MARKET MUTUAL FUNDS	203,153		4.22%
CERTIFICATES OF DEPOSIT	104,314		2.17%
LOCAL AGENCY INVESTMENT FUND	3,628		0.08%
	<u>\$ 4,813,647</u>		<u>100.00%</u>

Orange County Educational Investment Pool			
	In Thousands		%
U. S. GOVERNMENT AGENCIES	\$ 3,077,238		63.98%
U. S. TREASURIES	804,363		16.72%
MEDIUM-TERM NOTES	432,806		9.01%
MUNICIPAL DEBT	225,592		4.65%
CERTIFICATES OF DEPOSIT	101,597		2.11%
MONEY MARKET MUTUAL FUNDS	164,111		3.41%
LOCAL AGENCY INVESTMENT FUND	3,772		0.08%
	<u>\$ 4,809,479</u>		<u>100.00%</u>

John Wayne Airport Investment Fund			
	In Thousands		%
U. S. GOVERNMENT AGENCIES	\$ 31,980		67.48%
U. S. TREASURIES	10,992		23.19%
MONEY MARKET MUTUAL FUNDS	4,422		9.33%
	<u>\$ 47,394</u>		<u>100.00%</u>

Calculated Using Market Value at 4/30/2017

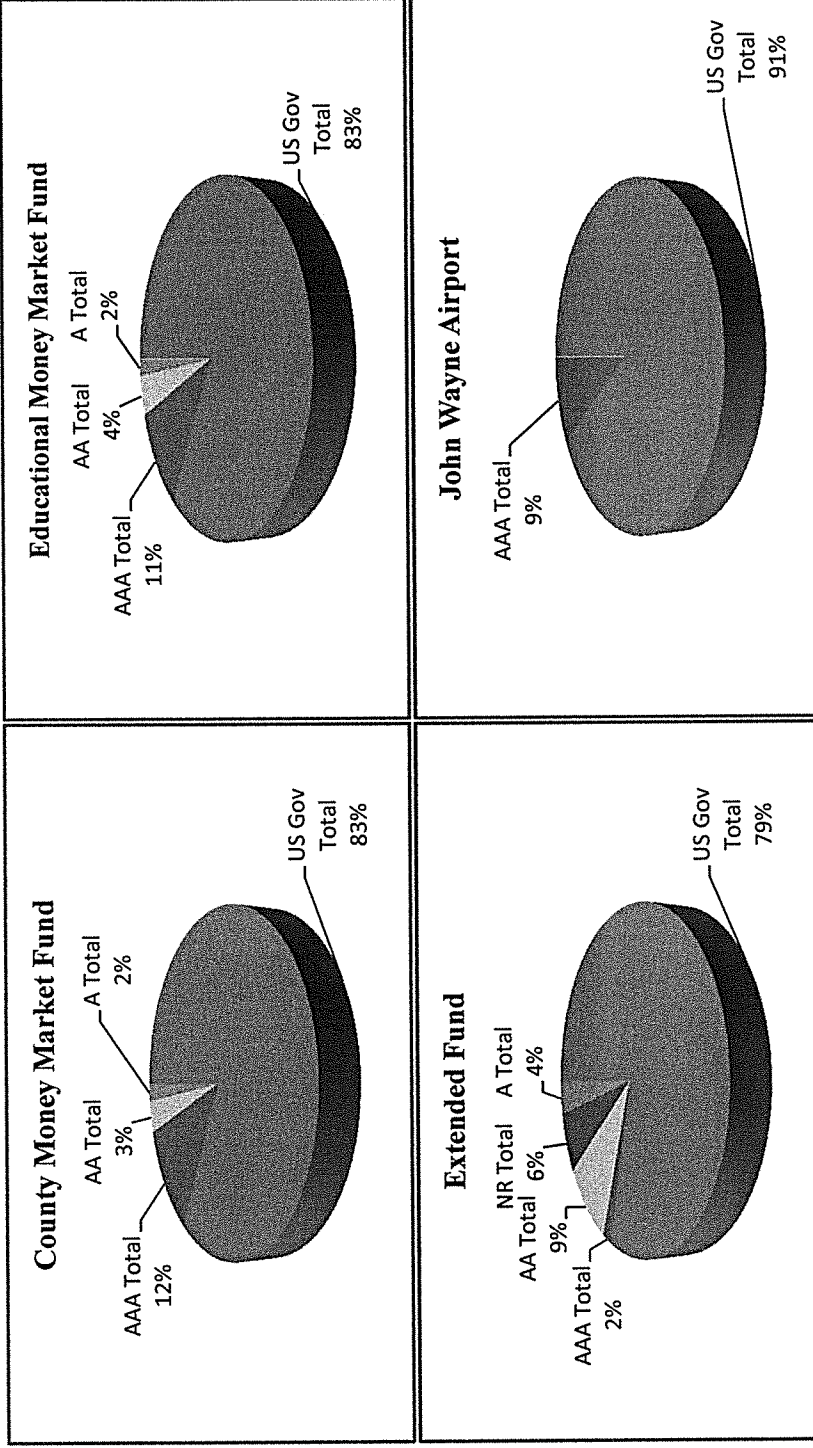
ORANGE COUNTY TREASURER - TAX COLLECTOR **CREDIT QUALITY BY MARKET VALUE** **April 30, 2017**



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 Series 2017A

ORANGE COUNTY TREASURER - TAX COLLECTOR CREDIT QUALITY BY MARKET VALUE

April 30, 2017



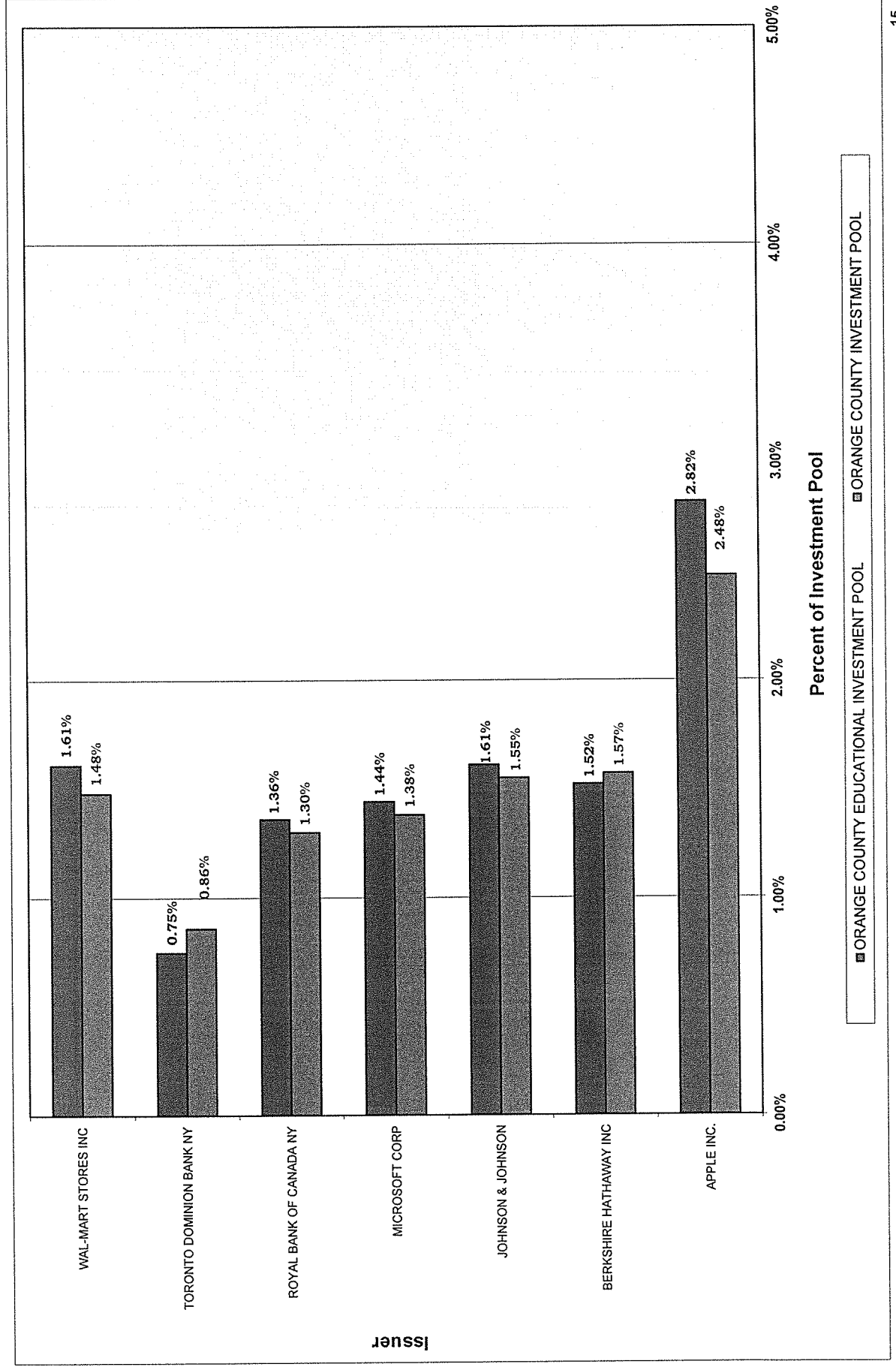
US GOV Includes Agency & Treasury Debt

AA includes AA+, AA-, & AA

A includes A+, A-, & A

NR Includes LAIF and Orange County Pension Obligation Bonds Series 2017A

ORANGE COUNTY TREASURER - TAX COLLECTOR ISSUER CONCENTRATION-By Investment Pool April 30, 2017



ORANGE COUNTY TREASURER-TAX COLLECTOR
APPROVED ISSUER LIST - OCIP, OCEIP, and JWA
April 30, 2017

ISSUER	S/T RATINGS			L/T RATINGS		
	S&P	Moody's	Fitch	S&P	Moody's	Fitch
U.S. TREASURY SECURITIES						
U.S. GOVERNMENT	A-1+	P-1	F1+	AA+	Aaa	AAA
U.S. GOVERNMENT AGENCY SECURITIES						
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-TERM NOTES						
APPLE INC	A-1+	P-1	NR	AA+	Aa1	NR
BERKSHIRE HATHAWAY INC	A-1+	P-1	NR	AA	Aa2	A+
BERKSHIRE HATHAWAY FINANCE	NR	P-1	NR	NR	Aa2	A+
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
ISSUERS ON HOLD						
ROYAL BANK OF CANADA NY (MARCH 13, 2017) ***	A-1+	P-1	F1+	AA-	Aa3	AA
TORONTO DOMINION BANK NY (MARCH 13, 2017) ****	A-1+	P-1	F1+	AA-	Aa1	AA-
MUNICIPAL BONDS						
ORANGE CNTY CA PENSION OBLG 2016 A	NR	NR	F1+	AA	NR	AA
ORANGE CNTY CA PENSION OBLG 2017 A	NR	NR	NR	NR	NR	NR
STATE POOL - LOCAL AGENCY INVESTMENT FUND						
LOCAL AGENCY INVESTMENT FUND	NR	NR	NR	NR	NR	NR
MONEY MARKET MUTUAL FUNDS *						
NAME OF FUND	S & P	Moody's	Fitch			
INVESCO GOVERNMENT & AGENCY SHORT-TERM INVESTMENTS TRUST (AIM)	AAAm	Aaa-mf	AAAmf			
GOLDMAN SACHS FINANCIAL SQUARE GOVT FUND	AAAm	Aaa-mf	NR			
MORGAN STANLEY INSTITUTIONAL LIQUIDITY FUNDS - GOVT	AAAm	Aaa-mf	NR			
NORTHERN INSTITUTIONAL TREASURY PORTFOLIO	AAAm	NR	NR			

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

** On Negative Outlook (Moody's L/T rating - July 25, 2016).

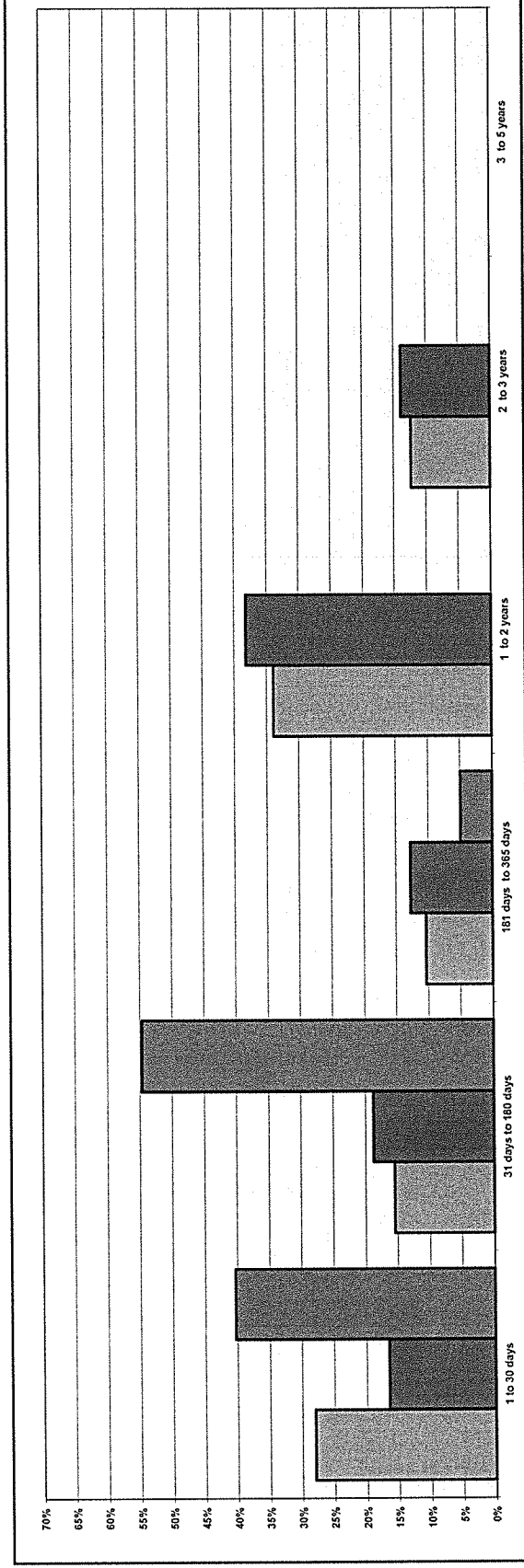
*** Moody's downgraded its L/T Rating from Aa3 to A1 on May 10, 2017 and kept the issuer rating Outlook on Negative.
On Negative Outlook (S&P - June 6, 2016; Fitch - January 25, 2016, Moody's - June 11, 2014).

**** Moody's downgraded its L/T Rating from Aa1 to Aa2 on May 10, 2017 and kept the issuer rating Outlook on Negative.
On Negative Outlook (Moody's - June 11, 2014).

**Orange County Treasurer-Tax Collector
Changes in Approved Issuer's List
For the Month Ended April 30, 2017**

During April, 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.

ORANGE COUNTY TREASURER - TAX COLLECTOR MATURITIES DISTRIBUTION March 31, 2017



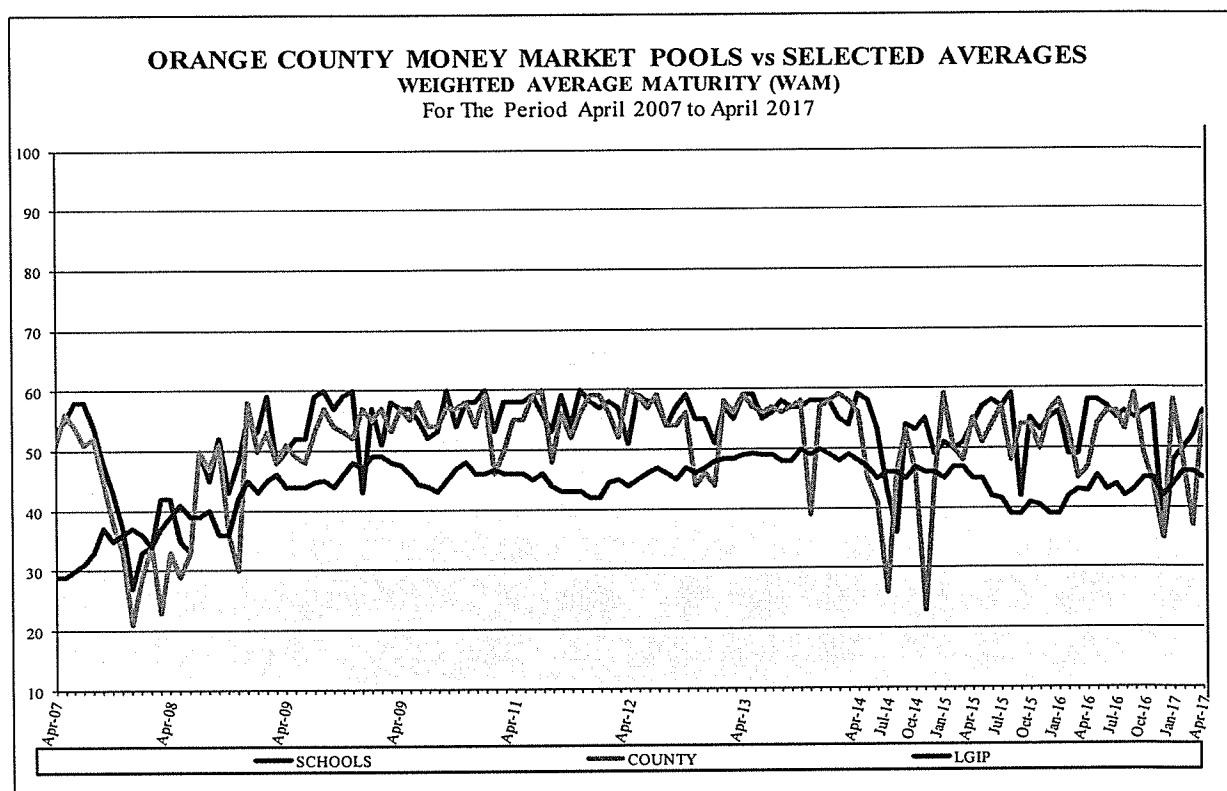
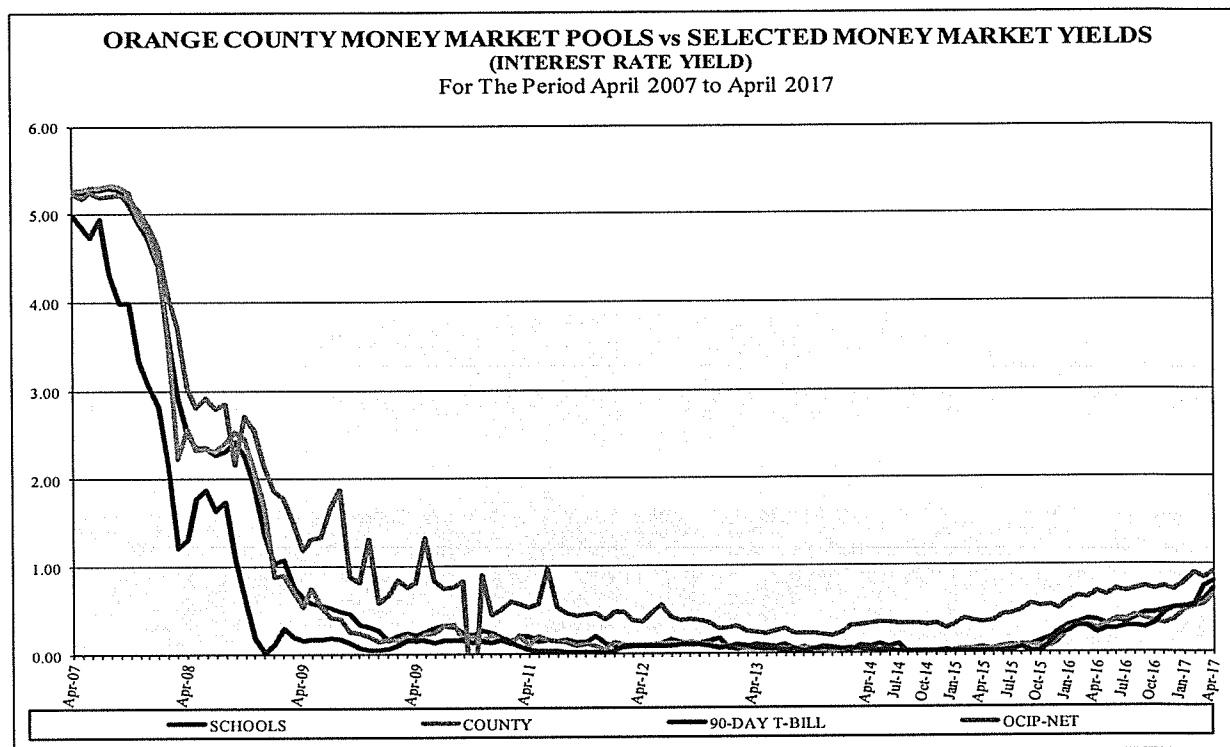
ORANGE COUNTY INVESTMENT POOL			
	In Thousands ^{1,2}		%
1 TO 30 DAYS	\$ 1,294,480		28.01%
31 TO 180 DAYS	713,027		15.43%
181 TO 365 DAYS	477,808		10.34%
1 YEAR TO 2 YEARS	1,567,011		33.92%
2 YEARS TO 3 YEARS	568,459		12.30%
3 YEARS TO 5 YEARS	-		0.00%
TOTAL	\$ 4,620,785		100.00%

ORANGE COUNTY EDUCATIONAL INVESTMENT POOL			
	In Thousands ^{1,2}		%
1 TO 30 DAYS	\$ 705,417		16.48%
31 TO 180 DAYS	801,829		18.74%
181 TO 365 DAYS	545,507		12.75%
1 YEAR TO 2 YEARS	1,634,128		38.18%
2 YEARS TO 3 YEARS	592,861		13.85%
3 YEARS TO 5 YEARS	-		0.00%
TOTAL	\$ 4,279,742		100.00%

JOHN WAYNE AIRPORT INVESTMENT FUND			
	In Thousands ^{1,2}		%
1 TO 30 DAYS	\$ 20,316		40.34%
31 TO 180 DAYS	27,542		54.69%
181 TO 365 DAYS	2,500		4.97%
1 YEAR TO 2 YEARS	-		0.00%
TOTAL	\$ 50,358		100.00%

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

² Floating Rate Notes are deemed to have a maturity date equal to their next interest reset date. At 3/31/2017, Floating Rate Notes comprise 0.48%, 0.99%, and 0.00% of the Orange County Investment Pool, Orange County Educational Investment Pool, and JWA Investment Fund respectively.



•As of April 30, 2017, S&P LGIP – 0.76; S&P LGIP WAM -45; 90-Day T-Bill – 0.80; OCIP – Net – 0.78

ORANGE COUNTY TREASURER-TAX COLLECTOR
INVESTMENT POOL YIELDS
May 1, 2016 - April 30, 2017

PERIOD ENDING - MONTH / YEAR	MONTH END MARKET VALUE	EARNINGS FOR MONTH	GROSS AVERAGE YIELD FOR MONTH	MONTH END WAM
Current Month - April 2017				
County Pool - Money Market Fund	\$ 1,928,898,078	\$ 1,427,058	0.72%	55
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
February 2017				
County Pool - Money Market Fund	\$ 1,420,356,645	\$ 588,259	0.58%	48
Educational Pool - Money Market Fund	\$ 1,036,250,434	\$ 539,611	0.60%	50
Extended Fund	\$ 5,876,196,444	\$ 5,010,710	1.11%	511
January 2017				
County Pool - Money Market Fund	\$ 1,243,000,623	\$ 626,367	0.53%	58
Educational Pool - Money Market Fund	\$ 1,309,895,173	\$ 772,307	0.57%	48
Extended Fund	\$ 5,872,382,548	\$ 4,846,757	0.99%	496
December 2016				
County Pool - Money Market Fund	\$ 1,787,873,393	\$ 656,440	0.43%	35
Educational Pool - Money Market Fund	\$ 1,995,546,428	\$ 627,945	0.56%	35
Extended Fund	\$ 5,491,524,471	\$ 4,550,093	0.96%	510
November 2016				
County Pool - Money Market Fund	\$ 1,263,748,930	\$ 397,303	0.38%	44
Educational Pool - Money Market Fund	\$ 1,123,417,366	\$ 433,001	0.53%	57
Extended Fund	\$ 5,538,702,888	\$ 4,384,832	0.96%	515
October 2016				
County Pool - Money Market Fund	\$ 1,262,431,238	\$ 351,585	0.41%	49
Educational Pool - Money Market Fund	\$ 978,305,500	\$ 469,767	0.51%	56
Extended Fund	\$ 5,497,309,348	\$ 4,298,117	0.92%	504
September 2016				
County Pool - Money Market Fund	\$ 751,801,815	\$ 278,284	0.46%	59
Educational Pool - Money Market Fund	\$ 1,220,526,096	\$ 498,234	0.46%	55
Extended Fund	\$ 5,494,463,600	\$ 4,191,758	0.93%	501
August 2016				
County Pool - Money Market Fund	\$ 800,306,654	\$ 295,786	0.49%	53
Educational Pool - Money Market Fund	\$ 1,221,174,892	\$ 516,653	0.46%	56
Extended Fund	\$ 5,459,349,411	\$ 4,074,594	0.90%	484
July 2016				
County Pool - Money Market Fund	\$ 686,861,455	\$ 325,471	0.45%	56
Educational Pool - Money Market Fund	\$ 1,433,126,604	\$ 519,773	0.41%	55
Extended Fund	\$ 5,327,781,739	\$ 4,052,122	0.89%	501
June 2016				
County Pool - Money Market Fund	\$ 928,467,500	\$ 418,507	0.44%	56
Educational Pool - Money Market Fund	\$ 1,611,309,522	\$ 519,651	0.43%	57
Extended Fund	\$ 5,387,530,673	\$ 4,192,339	0.95%	512
May 2016				
County Pool - Money Market Fund	\$ 1,345,822,973	\$ 487,226	0.39%	54
Educational Pool - Money Market Fund	\$ 1,550,458,922	\$ 554,610	0.39%	58
Extended Fund	\$ 5,364,702,464	\$ 4,084,932	0.90%	532
Fiscal Year July 1, 2016 - June 30, 2017				
	Average Month End Market Value Balance	YTD Interest Income	YTD Gross Yield	YTD Average
Orange County Investment Pool	\$ 4,143,139,498	\$ 29,028,177	0.83%	365
Orange County Educational Investment Pool	\$ 4,117,975,783	\$ 28,647,183	0.84%	357

ORANGE COUNTY TREASURER-TAX COLLECTOR

CASH AVAILABILITY PROJECTION

FOR THE SIX MONTHS ENDING OCTOBER 31, 2017

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 relying exclusively on historical activity involving deposits and disbursements and future cash flow projections. 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 October 31, 2017, 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				
Month	Investment Maturities	Projected Deposits	Projected Disbursements	Cumulative Available Cash
April 2017 - Ending Cash				\$ 783,511
May	\$ 1,193,224,452	\$ 279,787,180	\$ 669,824,453	803,970,690
June	660,999,835	279,622,691	796,361,570	948,231,646
July	273,331,033	260,440,708	583,554,984	898,448,403
August	113,355,060	436,879,658	363,542,939	1,085,140,182
September	69,472,318	447,979,753	418,851,494	1,183,740,759
October	4,499,779	921,680,990	305,580,632	1,804,340,896

ORANGE COUNTY EDUCATIONAL INVESTMENT POOL				
Month	Investment Maturities	Projected Deposits	Projected Disbursements	Cumulative Available Cash
April 2017 - Ending Cash				\$ 6,734,106
May	\$ 1,052,424,858	\$ 398,881,570	\$ 709,242,480	748,798,054
June	533,921,092	520,190,865	730,371,284	1,072,538,727
July	239,933,862	286,371,297	467,457,907	1,131,385,979
August	105,208,691	263,417,878	509,317,746	990,694,802
September	115,876,557	538,741,729	624,874,456	1,020,438,632
October	16,037,391	349,436,683	653,162,723	732,749,983

ORANGE COUNTY TREASURER-TAX COLLECTOR
STATEMENT OF ACCOUNTABILITY
For the Month Ended April 30, 2017

	<u>Month</u>
Treasurer's Accountability at the Beginning of the Period:	<u>\$9,115,669,385</u>
Cash Receipts:	
County	1,988,817,433
School and Community College Districts	1,192,853,106
Total Cash Receipts	<u>3,181,670,539</u>
Cash Disbursements:	
County	1,806,048,100
School and Community College Districts	658,083,446
Total Cash Disbursements	<u>2,464,131,546</u>
Net Change in Book Value of Pooled Assets	<u>717,538,993</u>
Net Decrease in Non Pooled Investments	(2,961,902)
Net Decrease in Non Pooled Cash	<u>(637,755)</u>
Treasurer's Accountability at the End of the Period:	<u><u>\$9,829,608,721</u></u>
Assets in the Treasury at the End of the Period (at Book Value):	
Pooled Investments:	
O.C. Investment Pool	\$ 4,827,119,290
O.C. Educational Investment Pool	4,823,659,028
Total Orange County Investment Pools	<u>9,650,778,318</u>
Non Pooled Investments:	
Non Pooled Investments - John Wayne Airport	47,406,399
Non Pooled Investments - General Fund – Non AMT Restricted	67,458,736
Non Pooled Investments - Fountain Valley School District Fund 40	34,864,857
Non Pooled Investments - Other	1,081,500
Total Non Pooled Investments	<u>150,811,492</u>
Cash:	
Cash in banks - County	749,334
Cash in banks - Schools	6,374,106
Cash in banks - OC Sheriff	14,510,274
Cash in banks - John Wayne Airport	6,351,020
Cash - Other	34,177
Total Cash	<u>28,018,911</u>
Total Assets in the Treasury at the End of the Period:	<u><u>\$ 9,829,608,721</u></u>

ORANGE COUNTY TREASURER-TAX COLLECTOR
INVESTMENT POLICY (IPS) AND TREASURY OVERSIGHT COMMITTEE (TOC) COMPLIANCE SUMMARY
April 30, 2017

COMPLIANCE CATEGORY	PERFORMED BY	REGULATORY/POLICY GUIDELINES	CURRENT STATUS
Annual Compliance Audit	ACIA	Performance Evaluation-Cal Govt. Code 27134	Annual audit of calendar year 2015 completed.
Quarterly Schedule of Assets Review	ACIA	Performance Evaluation-Cal Govt. Code 26920(a)	December 31, 2016 in progress.
Annual Schedule of Assets Audit	ACIA	Performance Evaluation-Cal Govt. Code 26920(b)	Annual audit as of June 30, 2016 in progress.
Quarterly Continuous Compliance Auditing	ACIA	TOC Directive	March 31, 2017 in progress.
Treasury Administrative Fee	TTC	Compensation Agreement-Cal Govt. Code 27013	Annual review of fees for FY 14/15 and FY 15/16 in progress.
Annual Broker/Dealer Review	TTC	Authorized Financial Dealers and Qualified Institutions	Annual review of calendar year 2016 in progress.
Annual Broker/Dealer IPS Certification	TTC	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	FY 16/17 identified one compliance incident as of April 30, 2017.
TOC Bylaw Changes	BOS	TOC Review and BOS Annual Approval	The TOC reviewed Bylaws and made one change at the October 19, 2016 meeting. The BOS approved on November 22, 2016.
Annual IPS Approval	BOS	TOC Review and BOS Annual Approval	The TOC reviewed proposed IPS changes at the October 19, 2016 meeting and did not make any additional changes. The BOS approved on November 22, 2016.
TOC Annual Report	BOS	TOC Bylaws Rule 30 - Oral and Written Report	The TOC 2016 Annual Report was presented to BOS on February 28, 2017.
Broker/Financial Institution List	TTC	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 19, 2016.
Certificates of Compliance	TTC	TOC Bylaws Rule 34 - Annual	The TOC members are in compliance for Calendar Year 2017.
Ethics Training	TTC	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	TTC	TOC Bylaws Rule 34 / IPS - Every Year	The TOC members and designated employees in compliance for Calendar Year 2016. One designated employee submitted late for Calendar Year 2017.

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

ORANGE COUNTY TREASURER-TAX COLLECTOR
INVESTMENT POLICY (IPS) AND TREASURY OVERSIGHT COMMITTEE (TOC) COMPLIANCE SUMMARY
April 30, 2017

COMPLIANCE CATEGORY	PERFORMED BY	REGULATORY/POLICY GUIDELINES	CURRENT STATUS
Annual Compliance Audit	ACIA	Performance Evaluation-Cal Govt. Code 27134	Annual audit of calendar year 2015 completed.
Quarterly Schedule of Assets Review	ACIA	Performance Evaluation-Cal Govt. Code 26920(a)	December 31, 2016 in progress.
Annual Schedule of Assets Audit	ACIA	Performance Evaluation-Cal Govt. Code 26920(b)	Annual audit as of June 30, 2016 in progress.
Quarterly Continuous Compliance Auditing	ACIA	TOC Directive	March 31, 2017 in progress.
Treasury Administrative Fee	TTC	Compensation Agreement-Cal Govt. Code 27013	Annual review of fees for FY 14/15 and FY 15/16 in progress.
Annual Broker/Dealer Review	TTC	Authorized Financial Dealers and Qualified Institutions	Annual review of calendar year 2016 in progress.
IPS Certification	TTC	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 16/17 identified one compliance incident as of April 30, 2017 (see Conflict of Interest below)
TOC Bylaw Changes	BOS	TOC Review and BOS Annual Approval	The TOC reviewed Bylaws and made one change at the October 19, 2016 meeting. The BOS approved on November 22, 2016.
Annual IPS Approval	BOS	TOC Review and BOS Annual Approval	The TOC reviewed proposed IPS changes at the October 19, 2016 meeting and did not make any additional changes. The BOS approved on November 22, 2016.
TOC Annual Report	BOS	TOC Bylaws Rule 30 - Oral and Written Report	The TOC 2016 Annual Report was presented to BOS on February 28, 2017.
Broker/Financial Institution List	TTC	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 19, 2016.
Certificates of Compliance	TTC	TOC Bylaws Rule 34 - Annual	The TOC members are in compliance for calendar year 2017.
Ethics Training	TTC	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	TTC	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.

LEGEND	
Auditor-Controller Internal Audit	ACIA
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 April 30, 2017**

During April, the IPS had one compliance exception, caused when a designated employee filed a Form 700 Assuming Office Statement late. The Orange County Investment Pool (OCIP), the Orange County Educational Investment Pool (OCEIP), and the John Wayne Airport Investment Fund had no investment compliance exceptions.

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
John Wayne Airport
OC Community Resources
OC Dana Point Harbor
OC Public Works
OC Waste & Recycling
Independent Review
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 (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)