



Quarterly Investment Report

September 30, 2018



Quarterly Investment Review Table of Contents

Quarterly Investment Report Table of Contents

Summary of Cost Values versus Market Values and Yields	1
Portfolio Strategy, Compliance, Review and Monitoring	2
Commingled Pool: Allocation by Security Types	5
Commingled Pool: Allocation by Ratings	6
Commingled Pool: Holdings by Issuer	7
Commingled Pool: Historical Month End Book Values	8
Commingled Pool: Distribution by Maturity	9
Commingled Pool: Yield to Maturity and Weighted Average Maturity	10
Approved Issuers and Broker/Dealers	11
Commingled Pool: Compliance with Investment Policy	12
Holdings Report: Commingled Pool	13
Holdings Report: Worker's Compensation	25
Holdings Report: Park Charter Fund	26
Holdings Report: San Jose-Evergreen	27
Transaction Activity Report	29

Board of Supervisors: Mike Wasserman, Cindy Chavez, Dave Cortese, Ken Yeager, S. Joseph Simitian

County Executive: Jeffrey V. Smith

Santa Clara County Commingled Pool and Segregated Investments

September 30, 2018

Fund	Cost Value**	Market Value	Variance	% Variance
Commingled Investment Pool	\$6,126,862,543	\$6,064,553,473	-\$62,309,070	-1.02%
Worker's Compensation	\$28,400,012	\$28,289,105	-\$110,906	-0.39%
Park Charter Fund	\$4,183,065	\$4,152,311	-\$30,753	-0.74%
San Jose-Evergreen	\$16,942,574	\$16,864,672	-\$77,903	-0.46%
Medical Malpractice Insurance Fund (1)	\$9,259,164	\$9,073,412	-\$185,753	-2.01%
Total	\$6,185,647,358	\$6,122,932,973	-\$62,714,385	-1.01%

(1) Managed by Chandler Asset Management, Inc.

Summary of Yields* for Select Santa Clara County Investment Funds

Fund	2018		2017
	Jul 31	Aug 31	Sep 30
Commingled Investment Pool	1.82%	1.82%	1.32%
Worker's Compensation	1.77%	1.80%	1.38%
Weighted Yield	1.82%	1.82%	1.32%

*Yield to maturity (YTM) is the rate of return paid on a bond, note, or other fixed income security if the investor buys and holds it to its maturity date and if the coupon interest paid over the life of the bond is reinvested at the same rate as the coupon rate. The calculation for YTM is based on the coupon rate, length of time to maturity, and market price at time of purchase.

Yield is a snapshot measure of the yield of the portfolio on the day it was measured based on the current portfolio holdings on that day. This is not a measure of total return, and is not intended to be, since it does not factor in unrealized capital gains and losses and reinvestment rates are dependent upon interest rate changes

**Cost Value is the amortized book value of the securities as of the date of this report.



Santa Clara County Commingled Pool and Segregated Investments



Portfolio Strategy

September 30, 2018

Federal Reserve Bank (Fed) policy makers increased interest rates by a quarter of a percentage point on September 26, 2018. This was the eighth increase since December 2015. The hike shifted the targeted trading range for the federal funds rate, the Fed's benchmark interest rate, to a range of 2 percent to 2.25 percent. It is widely expected that policy makers will raise rates again in December 2018. In lockstep with ongoing interest rate hikes being made by the Fed, U.S. government bond yields have also steadily climbed. The two-year U.S. Treasury Note yielded 2.82 percent at September 30, 2018, an increase of 92 basis points from December 31, 2017.

So far, rising interest rates has not constrained growth even though the Fed has raised its benchmark rate by two percentage points since 2015. The current economic expansion is already the second-longest in history, surpassed only by the decade of the 1990s. The economy appears to be on sturdy footing and poised to grow at an above-trend pace for the next several years. Gross domestic product (GDP)—the value of all goods and services produced in the U.S.—grew 3.5 percent during the third quarter, July through September. Third-quarter GDP results were considered strong even though growth decelerated from the 4.2 percent pace of the prior quarter. Some economists conclude that broad financial conditions, typically factors such as equity prices, foreign-exchange values, credit spreads and commodity prices, which influence economic growth, are as favorable today as in 2015 before the Fed began lifting rates.

Furthermore, the shift in interest rates has not had a discernible impact upon labor markets. Through the first nine months of the 2018, employers added an average of 211,000 workers to their payroll each month, well outpacing average monthly growth in 2017. The Labor Department reported that employers added 134,000 jobs this September, slightly lower than expected but the increase reflected a record 96th straight month of gains. Wages rose a solid 2.8 percent from a year earlier. Labor market strength was acutely underscored by the unemployment rate which fell from 3.9 percent to 3.7 percent, the lowest since December 1969. Only during the Vietnam and Korean Wars has the U.S. economy experienced a sustained period in which unemployment rates remained below 4 percent.

Currently, market observers perceive the potential effects of the trade dispute between the U.S. and China as a greater threat to growth than the domestic economy's ability to absorb higher borrowing costs. President Donald Trump's renegotiation of the NAFTA Treaty has allayed some fears, but the trade war with China is still ongoing. A sharp escalation in tensions between the two have resulted in increased tariffs on each other's goods and the threatening of more protectionist measures. Higher U.S. tariffs on Chinese goods are likely to slow GDP growth in China which would restrain economies in the rest of Asia. Japan is particularly vulnerable since roughly 20% of its exports go to China. There are no winners in a trade war. Eventually, the U.S. economy would be adversely impacted by a slowing global economy and a reduction in domestic consumption due to higher tariff costs.

Santa Clara County Commingled Pool and Segregated Investments

Portfolio Strategy

September 30, 2018

The portfolio strategy continues to focus on the:

- (1) acquisition of high-quality issuers;
- (2) identifying and selecting bonds with attractive valuations;
- (3) appropriately sizing the liquidity portion of the portfolio to ensure adequate cash for near term obligations; and
- (4) ensuring that monies targeted for longer term investments are deployed in vehicles with favorable risk-adjusted yields.

Broker-dealers have generally down-sized the amount of securities carried in inventories in response to risk-curbing rules crafted after the 2008 financial crisis. These risk curbing rules include the international regulatory framework for banks called Basel III and the U.S. 2010 Dodd-Frank Law. The Treasury Division has increased its capability to review a larger volume of inventory listings to find attractive bonds. Portfolio structuring does not solely rely on interest rate anticipation strategies, which primarily speculate on the direction of interest rates to earn favorable returns.





Santa Clara County Commingled Pool and Segregated Investments

Portfolio Compliance, Review, and Monitoring

September 30, 2018

Yield and Weighted Average Maturity

The yield of the Commingled Pool is 1.86 and the weighted average life is 509 days.

Compliance

The County Treasurer believes the Commingled Pool contains sufficient cash flow from liquid and maturing securities, bank deposits and incoming cash to meet the next six months of expected expenditures.

Review and Monitoring

FTN Financial Main Street Advisors, the County's investment advisor, currently monitors the Treasury Department's investment activities.

Additional Information

Securities are purchased with the expectation that they will be held to maturity, so unrealized gains or losses are not reflected in the yield calculations.

The market values of securities were taken from pricing services provided by the Bank of New York Mellon, Bloomberg Analytics, dealer quotes, and an independent pricing service.

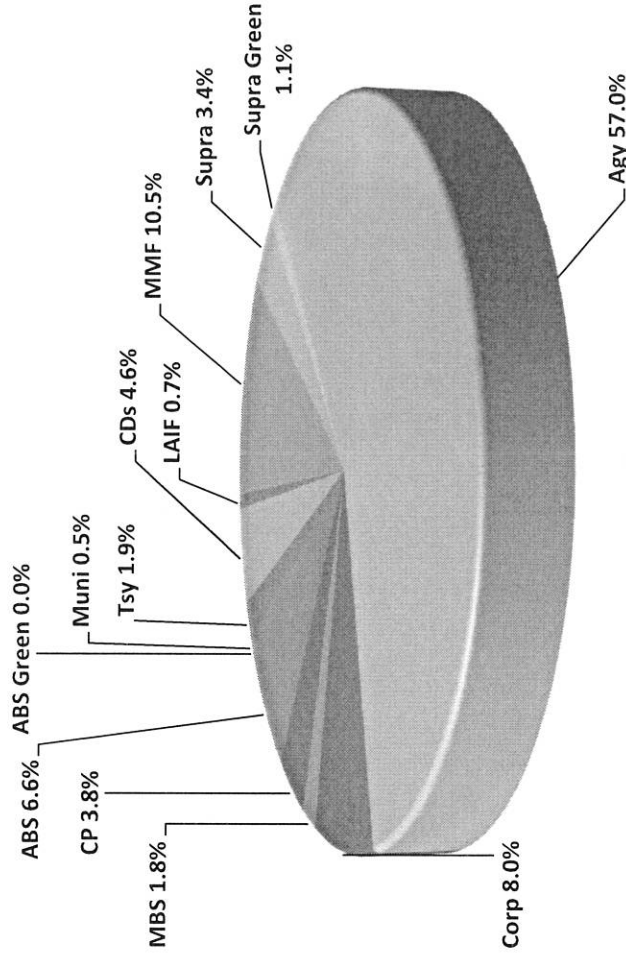


Santa Clara County Commingled Pool

Allocation by Security Types

September 30, 2018

Sector	9/30/2018	6/30/2018	% Chng
Federal Agencies	57.04%	52.73%	4.3%
Corporate Bonds	7.98%	6.23%	1.7%
Mortgage Backed Securities	1.83%	1.29%	0.5%
Commercial Paper	3.81%	4.50%	-0.7%
ABS	6.63%	5.68%	1.0%
ABS Green Bonds	0.03%	0.03%	0.0%
Municipal Securities	0.52%	0.42%	0.1%
U.S. Treasuries	1.87%	3.22%	-1.4%
Negotiable CDs	4.57%	17.93%	-13.4%
LAIF	0.67%	0.54%	0.1%
Money Market Funds	10.48%	3.40%	7.1%
Supranationals	3.43%	3.10%	0.3%
Supranationals Green Bonds	1.14%	0.92%	0.2%
Total	100.00%	100.00%	



Sector	9/30/2018	6/30/2018
Federal Agencies	3,494,862,445	3,999,083,670
Corporate Bonds	488,697,843	472,745,630
Mortgage Backed Securities	112,012,904	97,638,101
Commercial Paper	233,227,345	341,479,876
ABS	406,502,129	430,657,064
ABS Green Bonds	1,627,580	2,317,839
Municipal Securities	32,005,371	32,009,467
U.S. Treasuries	114,375,248	244,084,503
Negotiable CDs	280,000,000	1,360,000,000
LAIF	41,047,764	40,853,909
Money Market Funds	642,369,779	258,136,233
Supranational	210,134,135	235,134,859
Supranationals Green Bonds	70,000,000	70,000,000
Total	6,126,862,543	7,584,141,151

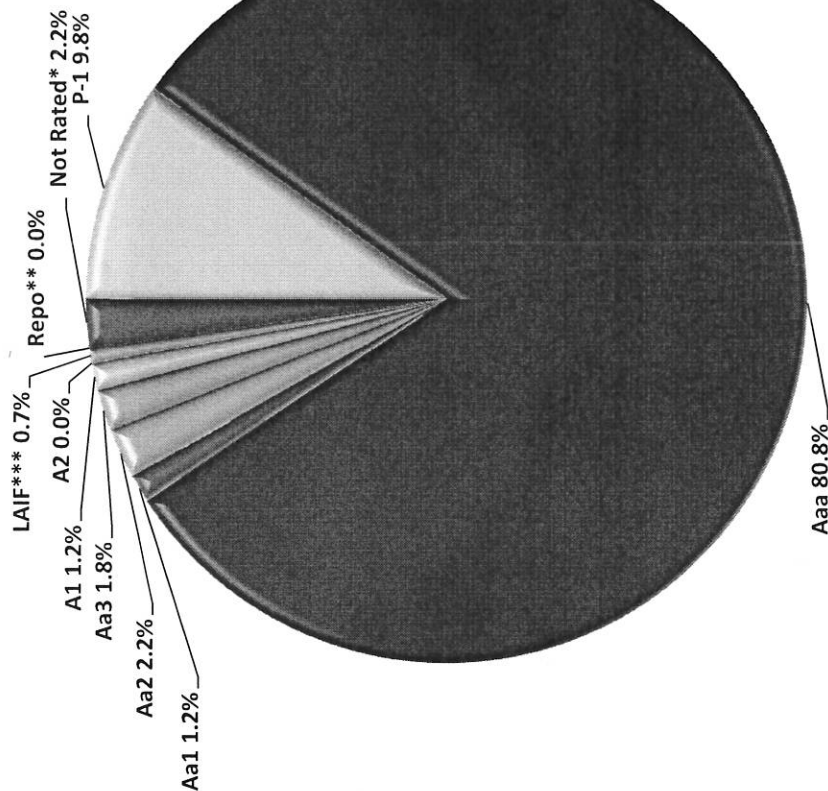
Amounts are based on book value



Santa Clara County Commingled Pool

Allocation by Ratings

September 30, 2018



Moody's Rating	Portfolio \$	Portfolio %
P-1	600,934,538	9.8%
Aaa	4,951,890,471	80.8%
Aa1	74,964,953	1.2%
Aa2	136,121,476	2.2%
Aa3	112,325,480	1.8%
A1	74,687,992	1.2%
A2	-	0.0%
A3	-	0.0%
LAIF***	41,047,764	0.7%
Repo**	-	0.0%
Not Rated*	134,889,868	2.2%
Total	6,126,862,543	100.0%

*Not Rated by Moody's but A-1+ by S&P

**Repurchase Agreements are not rated, but are collateralized by U.S. Treasury securities or securities issued by the Federal Agencies of the U.S.

***LAIF is not rated, but is comprised of State Code allowable securities

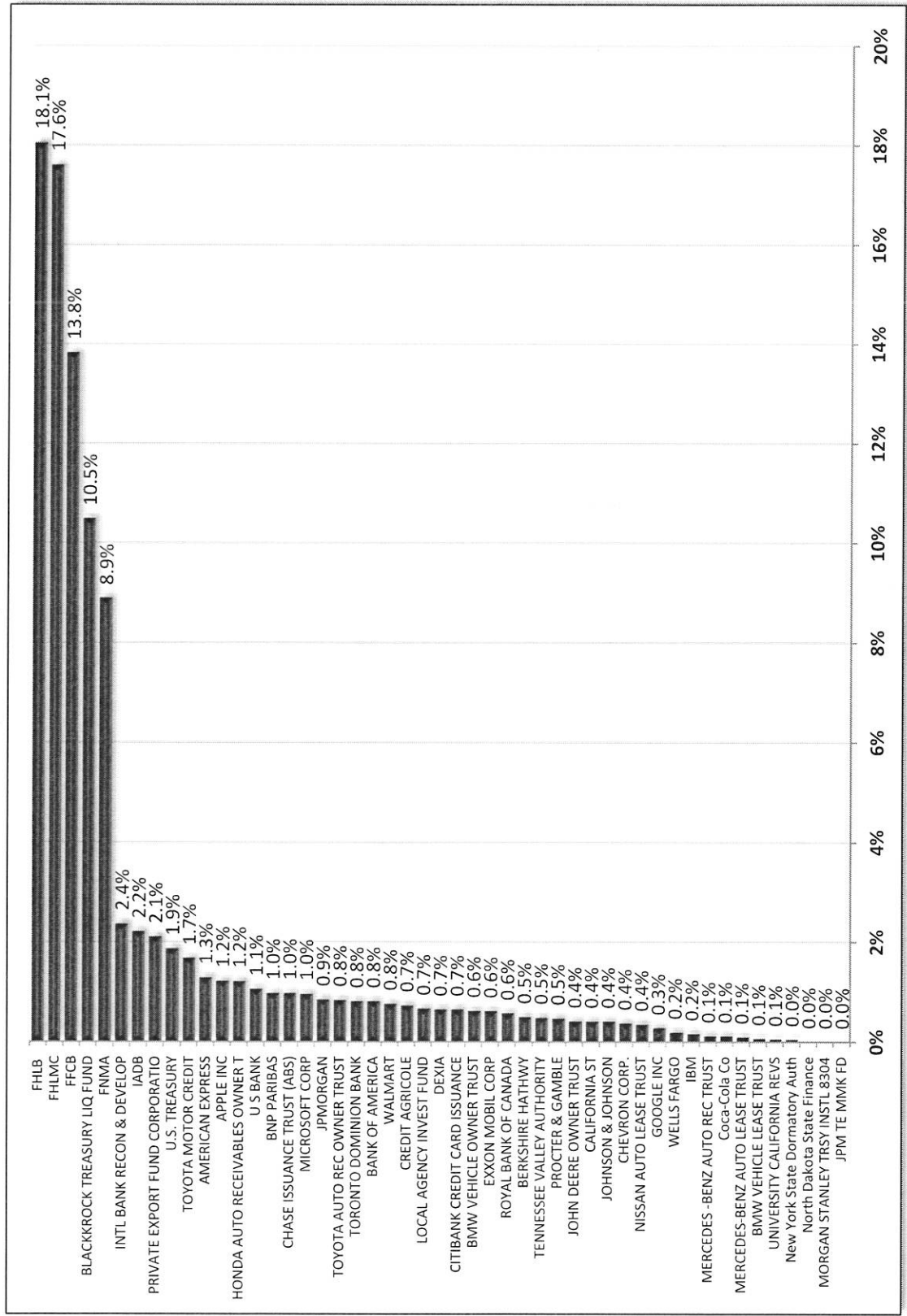
Amounts are based on book values



Santa Clara County Commingled Pool

Holdings by Issuer - Percent of Commingled Pool

September 30, 2018



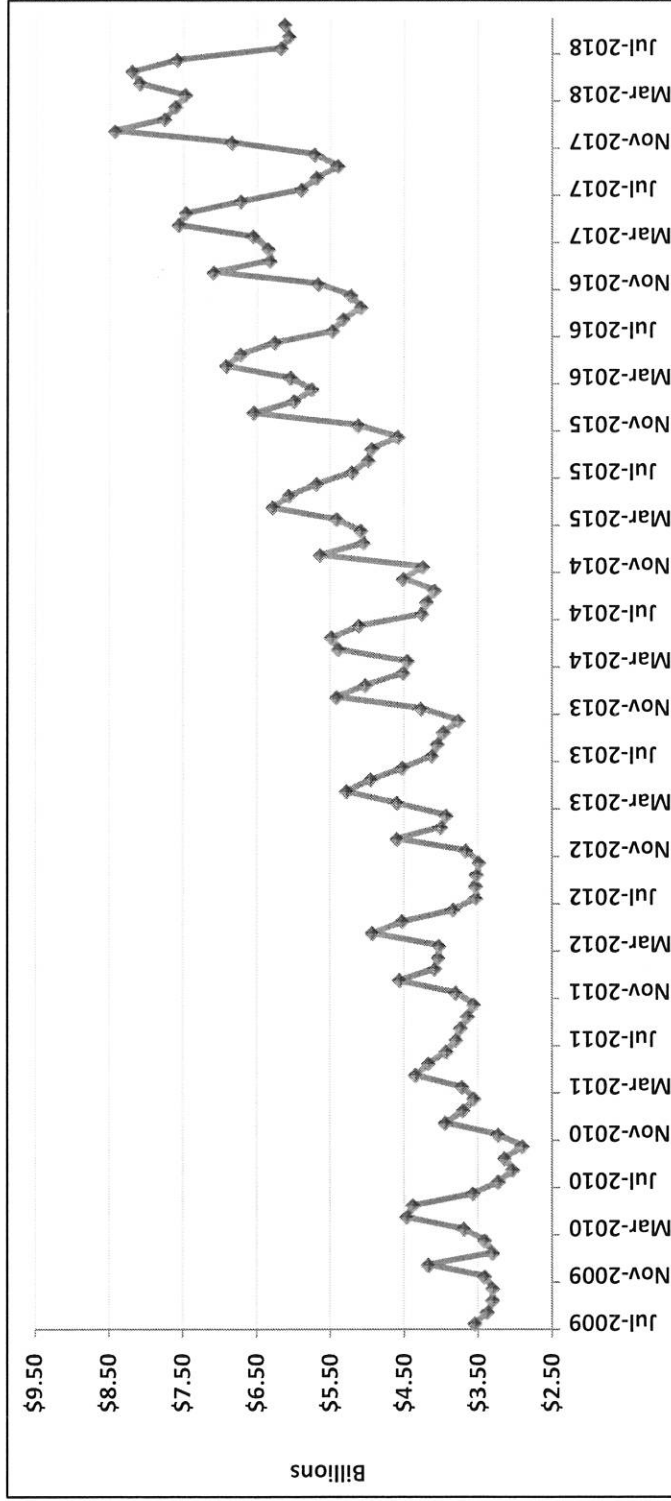
Amounts are based on book values



Santa Clara County Commingled Pool

Historical Month End Book Values

September 30, 2018



Fiscal Year	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
FY 2010	\$3.541	\$3.373	\$3.307	\$3.307	\$3.408	\$4.175	\$3.307	\$3.408	\$3.687	\$4.463	\$4.384	\$3.536
FY 2011	\$3.230	\$3.032	\$3.143	\$2.898	\$3.227	\$3.943	\$3.695	\$3.551	\$3.712	\$4.339	\$4.179	\$3.935
FY 2012	\$3.801	\$3.736	\$3.637	\$3.555	\$3.805	\$4.567	\$4.097	\$4.040	\$4.032	\$4.926	\$4.525	\$3.833
FY 2013	\$3.508	\$3.517	\$3.515	\$3.469	\$3.645	\$4.600	\$3.918	\$3.982	\$4.606	\$5.286	\$4.952	\$4.521
FY 2014	\$4.133	\$4.052	\$3.975	\$3.758	\$4.271	\$5.419	\$5.019	\$4.520	\$4.461	\$5.386	\$5.487	\$5.108
FY 2015	\$4.267	\$4.194	\$4.096	\$4.051	\$4.247	\$5.639	\$5.045	\$5.085	\$5.420	\$6.284	\$6.065	\$5.690
FY 2016	\$5.212	\$4.990	\$4.941	\$4.587	\$5.120	\$6.543	\$5.997	\$5.752	\$6.040	\$6.911	\$6.728	\$6.263
FY 2017	\$5.469	\$5.328	\$5.088	\$5.220	\$5.671	\$7.082	\$6.319	\$6.348	\$6.550	\$7.556	\$7.469	\$6.730
FY 2018	\$5.898	\$5.689	\$5.408	\$5.720	\$6.850	\$8.427	\$7.754	\$7.608	\$7.472	\$8.079	\$8.192	\$7.584
FY 2019	\$6.180	\$6.068	\$6.127									

Amounts in billions

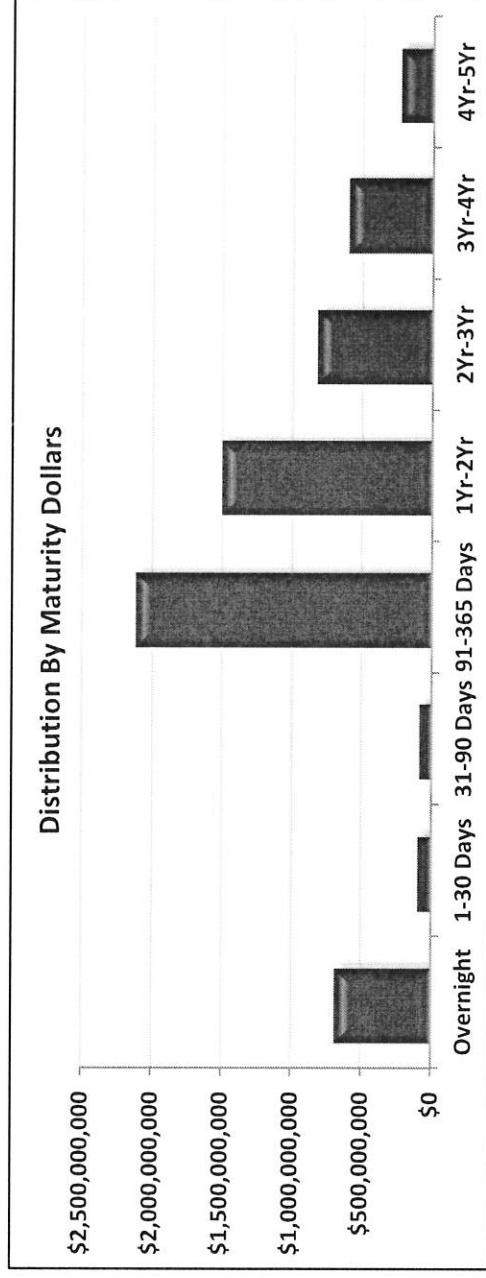


Santa Clara County Commingled Pool

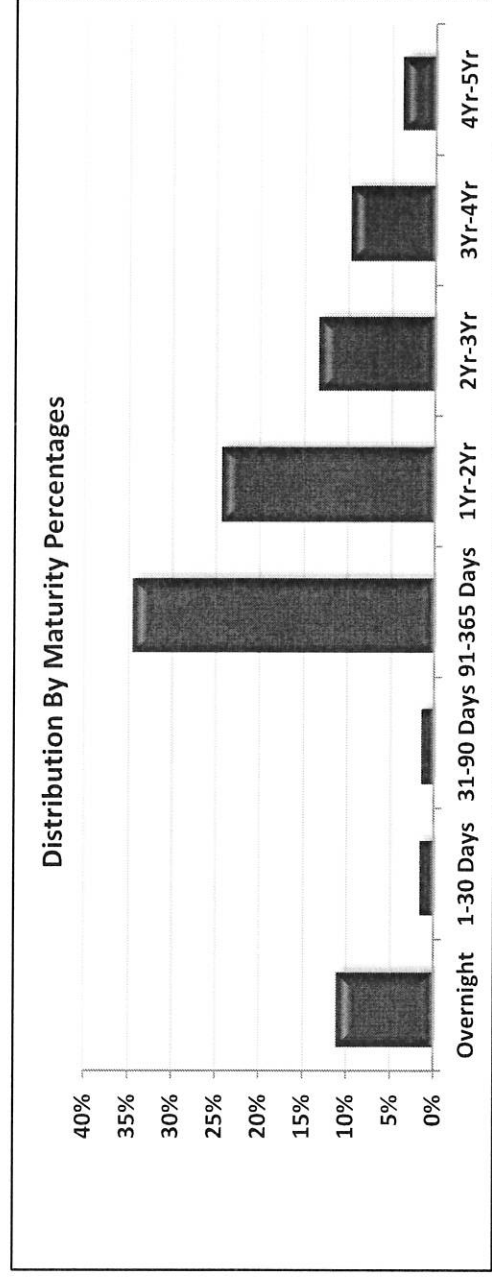
Distribution by Maturity

September 30, 2018

Maturity	Amount*
Overnight	683,417,543
1-30 Days	96,500,693
31-90 Days	85,618,960
91-365 Days	2,117,147,402
1Yr-2Yr	1,493,520,640
2Yr-3Yr	818,729,928
3Yr-4Yr	598,290,770
4Yr-5Yr	233,636,607
	6,126,862,543



Maturity	Amount*
Overnight	11.15%
1-30 Days	1.58%
31-90 Days	1.40%
91-365 Days	34.56%
1Yr-2Yr	24.38%
2Yr-3Yr	13.36%
3Yr-4Yr	9.77%
4Yr-5Yr	3.81%
	100.00%



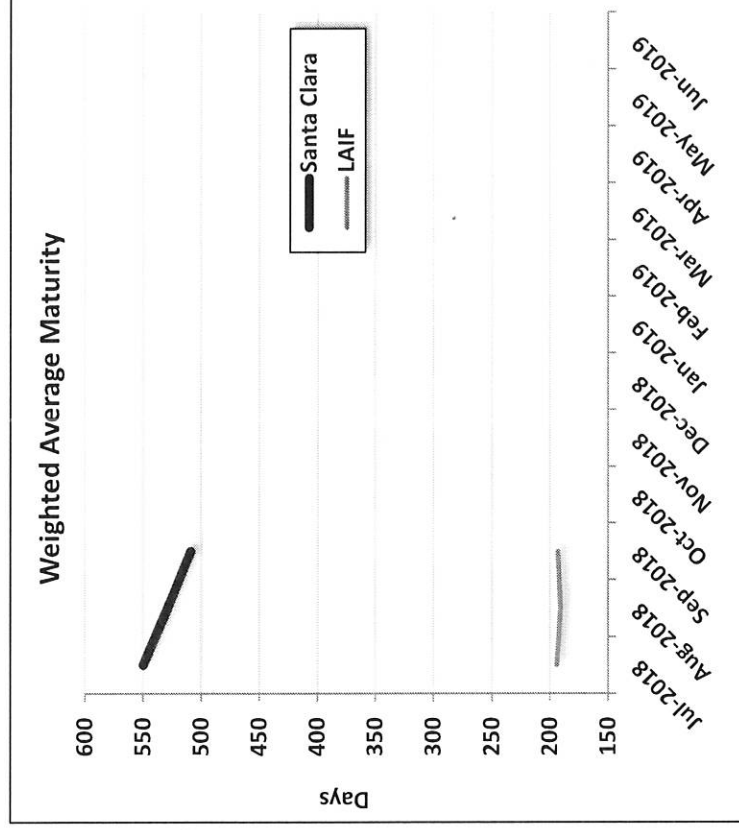
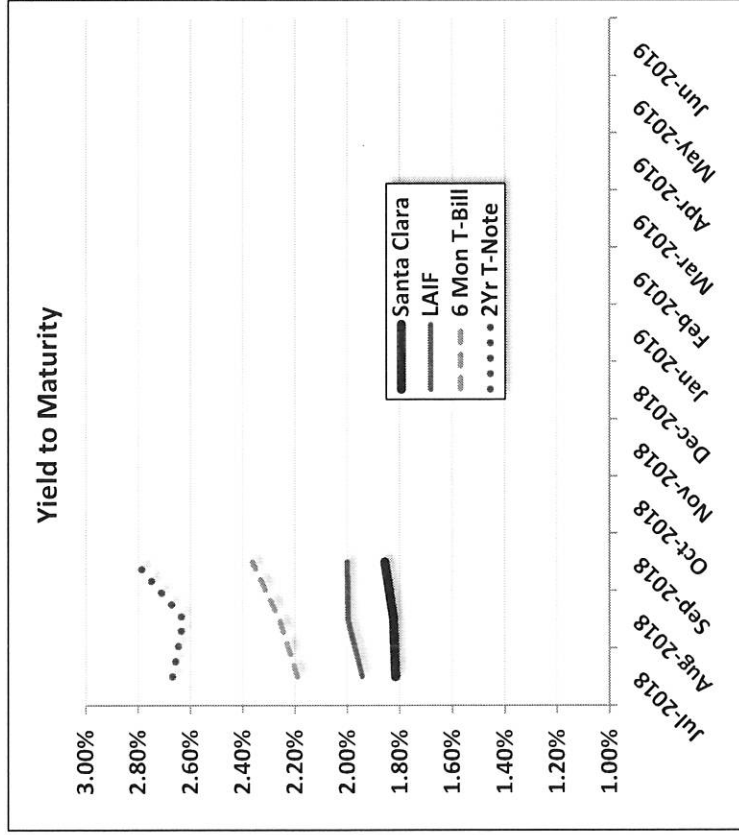
* Amounts are based on book value



Santa Clara County Commingled Pool

Yield to Maturity and Weighted Average Maturity

September 30, 2018



Item	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19
SCC YTM	1.82%	1.82%	1.86%									
LAIF YTM	1.94%	2.00%	2.00%									
6 Mon T-Bill	2.19%	2.26%	2.36%									
2Yr T-Note	2.67%	2.63%	2.81%									
SCC WAM	550	529	509									
LAIF WAM	194	191	193									

Santa Clara County



Approved Issuers and Broker/Dealers

September 30, 2018

Direct Commercial Paper Issuers

General Electric
Toyota Motor Credit
US Bank, NA
Dexia Credit Local, NY

Broker/Dealers

Academy Securities, Inc
Bank of America Merrill Lynch
Barclays Capital, Inc
BMO Capital Markets
BNP Paribas Securities Corp
BNY Mellon Capital Markets, LLC
BOK Financial Securities (Bank of Oklahoma)
Brean Capital LLC
Cantor Fitzgerald & Co
Citigroup Global Markets Inc
Daiwa Capital Markets America Inc
Deutsche Bank Securities Inc
FTN Financial Capital Markets
Incapital LLC
Jefferies & Co
JP Morgan Securities, Inc
Keybank Capital Markets, Inc
Loop Capital Markets LLC
Mizuho Securities USA, Inc
MUFG Securities USA LLC
Raymond James, Inc.
RBC Capital Markets, Inc
UBS Financial Services Inc
Vining Sparks LP
Williams Capital

Santa Clara County Commingled Pool

Compliance with Investment Policy

September 30, 2018



Item/Sector		Parameters	In Compliance
Maturity		Weighted Average Maturity (WAM) must be less than 24 months	Yes
Interest Periods		Securities must pay interest within one year of the initial investment and at least semiannually in subsequent years	Yes
Investment Swaps		Similar maturity swaps, so as not to affect cash flow needs, should have minimum 5 basis point gain	Yes
Issuer Limits		No more than 5% of the portfolio shall be invested in aggregate of any single institution of the following types: Bankers' Acceptances, CP, Negotiable CDs, and Corporate Notes	Yes
U.S. Treasuries		No sector limit, no issuer limit, max maturity 5 years	Yes
U.S. Federal Agencies		No sector limit, no issuer limit, max maturity 5 years	Yes
LAIF		No sector limit, no issuer limit, CA State's deposit limit \$65 million	Yes
Repurchase Agreements		No sector limit, no issuer limit, max maturity 92 days, treasury and agency collateral at 102% of investment, if maturity exceeds 15 days, must be collateralized by securities with 5 years or less maturities	Yes
Commercial Paper		Sector limit 40%, issuer limit 5%, max maturity 270 days, rated by at least two: A-1 (S&P), P-1 (Moody's), F-1 (Fitch), issued by domestic corporation w/ at least \$500 mil of assets, and long term debt rated by at least two: AA- (S&P/Fitch)/Aa3 (Moody's)	Yes
Corporate Bonds		Sector limit 30%, issuer limit 5%, max maturity 5 years, rated by at least two: AA- (S&P/Fitch)/Aa3 (Moody's), issued by domestic corps/depositories	Yes
Money Market Funds		Sector limit 20%, issuer limit 10%, rated by at least two: AAA-m (S&P/Fitch)/Aaa-mf (Moody's), MMF has at least \$500 mil managed	No
Negotiable Certificates of Deposit		Sector limit 30%, issuer limit 5%, max maturity 5 years, if under 1 year rated by at least two: A-1 (S&P), P-1 (Moody's), F-1 (Fitch), if greater than 1 year rated by at least two: AA- (S&P/Fitch)/Aa3 (Moody's)	Yes
Municipal Securities		Sector limit 10%, no issuer limit, State of CA, local CA agencies, and other municipal securities of the other 49 states, if long-term rated, then by at least two: A- (S&P/Fitch)/A3 (Moody's), if short-term rated, then by at least two: SP-1 (S&P), MIG-1 (Moody's), F-1 (Fitch), revenue based bonds payable solely out of the States' or local agencies' revenues	Yes
Mortgage-Backed Securities		Sector limit 20% in aggregate with ABS, no issuer limit, max maturity 5 years, collateralized by pools of conforming residential mortgage loans insured by FHLMC/FNMA and residential mortgages guaranteed by FHA (GNMA)	Yes
Asset-Backed Securities		Sector limit 20% in aggregate with ABS, no issuer limit, max maturity 5 years, collateralized by pools of loans such as installment/receivables, security must be rated by at least two: AA- (S&P/Fitch), Aa3 (Moody's), issuer rated by at least two: A- (S&P/Fitch), A3 (Moody's)	Yes
Supranational Debt Obligations		Sector limit 10%, max maturity 5 years, issued or unconditionally guaranteed by the IBRD, rated by at least two: AAA (S&P/Fitch), Aaa (Moody's)	Yes
Bankers' Acceptances		Sector limit 40%, issuer limit 5%, max maturity 180 days, rated by at least two: A-1 (S&P), P-1 (Moody's), F-1 (Fitch), issued by commercial banks, collateral must exceed market value of security by 2%	Yes, None in Portfolio
Securities Lending		Sector limit 20%, max maturity 92 days for loans and reinvestment, loan counterparty must be a primary dealer, loaned securities must be owned for at least 30 days	Yes, None in Portfolio