

Quarterly Investment Report

December 31, 2019

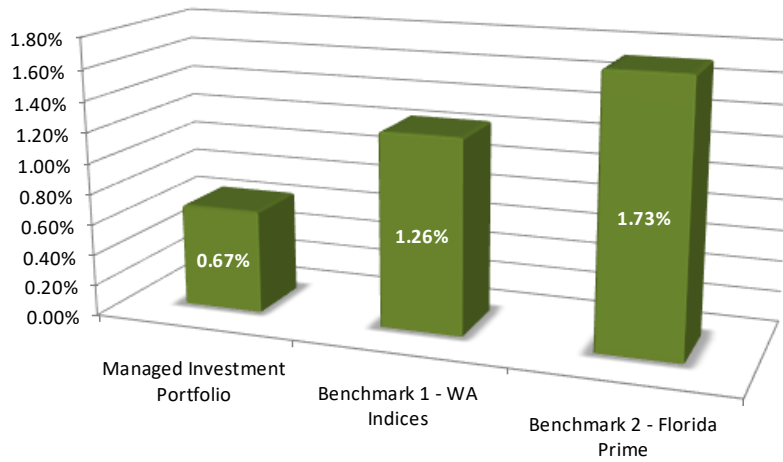


prepared by Cash Management Department

Table of Contents

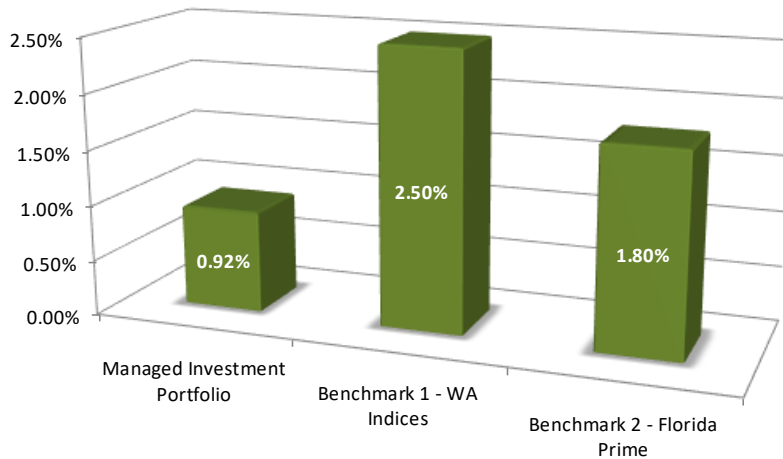
Section	Page
Yield Comparison Charts	1
Portfolio Composition Charts	2
Asset Value and Income Statement	3
Total Investment Value	4
Yield Comparison Analysis	6
Notes to Quarterly Report	7
Risk Disclosures	8

Yield Comparison December 31, 2019



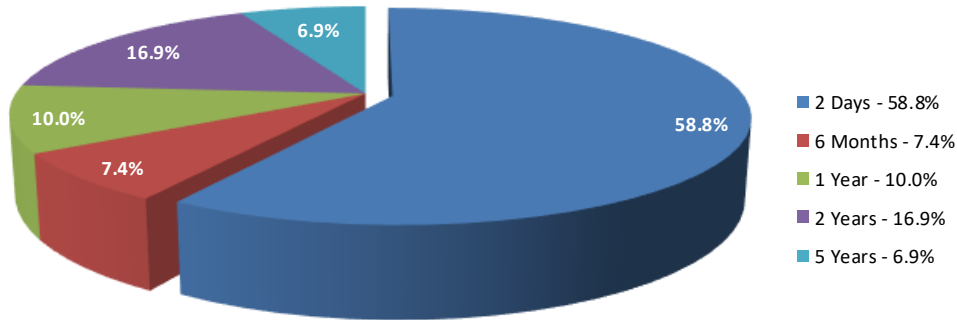
The yield on the district's managed investment program was 0.67% for the quarter ended December 31, 2019.

Yield Comparison Year to Date through December 31, 2019



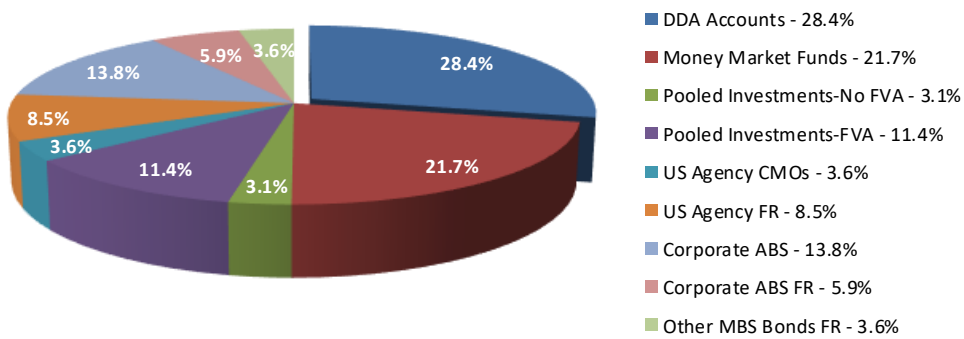
The yield on the district's managed investment program was 0.92% for the fiscal year ended December 31, 2019.

Investments by Duration December 31, 2019



The above chart breaks down the duration of the district’s investment by time frame. The largest category, 2 days duration, represents liquid cash that can be accessed within 2 days. The other categories represent investments whose modified duration falls within that time frame.

Investments by Type December 31, 2019



The above chart breaks down the district’s portfolio by investment type. For example, the largest category is DDA accounts representing 28.4% of the portfolio.

Portfolio Assets	12/31/19			6/30/19
Investment in U.S. Treasury and Agency Securities:				
Investments (securities at market value)	\$202,921,439			\$250,850,019
Other Pooled Investments	65,115,914			35,901,108
Accrued Interest Receivable and Prepaid Interest	518,598			672,263
Total U.S. Treasury and Agency Securities	\$268,555,951			\$287,423,389
Cash Investments				
Money market funds	124,253,698			274,088
Pooled Cash Investments	17,526,158			1,944,612
Bank accounts (DDA & MMA)	162,630,916			12,906,325
Total Cash Investments	\$304,410,773			\$15,125,026
Total Managed Investment Portfolio Value	\$572,966,724			\$302,548,415
	Quarter End	Y-T-D		Prior Year
	12/31/19	12/31/19		6/30/19
Portfolio Income				
Interest Earned				
U.S. Government Securities & Other Pooled Accounts	972,597	2,515,045		7,398,820
Money Market Funds	239,934	286,767		1,137,908
Bank Accounts	0	0		0
Total Interest Earned	1,212,531	2,801,812		8,536,729
Net increase/(decrease) in fair value of investments - Note 2	(811,843)	(1,574,877)		246,140
Total Managed Investment Portfolio Earnings	\$400,688	\$1,226,936		\$8,782,869
	Quarter End	Y-T-D		Prior Year
	12/31/19	12/31/19		6/30/19
Yield Comparison - Page 5				
<i>Managed Investment Portfolio</i>				
Annualized Rate of Return	0.67%	0.92%		2.34%
<i>Benchmark 1 - Weighted Average of Comparable Indices</i>				
Annualized Rate of Return	1.26%	2.50%		3.13%
Managed Investment Portfolio Yield vs. Benchmark 1	-0.59%	-1.58%		-0.79%
<i>Benchmark 2 - Florida Prime MMF (SBA LGIP)</i>				
Annualized Rate of Return	1.73%	1.80%		2.31%
Managed Investment Portfolio Yield vs. Benchmark 2	-1.06%	-0.88%		0.03%

Pinellas County Schools
Quarterly Investment Report

December 31, 2019
Total Investment Value

Security Description	CUSIP	Book Value	Market Value	Unrealized Gain/Loss	Prepaid & Accrued Interest	Total Investment Value	Rtg	Mod. Dur.	% of Port
US Agency CMOs									
GNR 2011-110 D	38376G3H1	1,937,287	1,908,040	(29,248)	5,924	\$1,913,964	Aaa	0.22	0.3%
GNR 2013-78	38378KRQ4	5,924,640	5,894,640	(30,000)	8,004	\$5,902,644	Aaa	2.16	1.0%
GNR 2013-33 A	38378B7C7	7,774,741	7,735,888	(38,853)	7,039	\$7,742,928	Aaa	1.46	1.4%
GNR 2013-2 AF	38378B3V9	4,996,875	4,970,900	(25,975)	9,125	\$4,980,025	Aaa	2.39	0.9%
subtotal		\$20,633,543	\$20,509,468	(\$124,075)	\$30,093	\$20,539,561	AAA	1.77	3.6%
US Agency FR									
FH 2B7388	31326NF55	23,396,589	23,139,162	(257,426)	48,636	\$23,187,798		1.32	4.0%
FN AL8226	3138ETD86	9,253,087	9,116,712	(136,375)	32,188	\$9,148,900	Aaa	2.43	1.6%
SBA POOL 522179	83165AUC6	2,483,446	2,429,491	(53,955)	20,749	\$2,450,240	Aaa	0.73	0.4%
SBA POOL 522500	83165A7M0	14,220,596	14,063,461	(157,135)	113,547	\$14,177,008	Aaa	0.85	2.5%
subtotal		\$49,353,718	\$48,748,826	(\$604,892)	\$215,120	\$48,963,946	AAA	1.36	8.5%
Corporate ABS									
AESOP 2016-1A A	05377RCD4	11,483,562	11,450,098	(33,464)	10,351	\$11,460,449	Aa2	1.23	2.0%
COMET 2015-A8	14041NFB2	20,325,449	20,321,044	(4,405)	18,486	\$20,339,530	AAA	0.78	3.5%
DRIVE 2017-3 C	26207KAF8	3,640,159	3,641,360	1,201	4,819	\$3,646,179	Aaa	0.00	0.6%
FCAT 17-3 A	33844KAA4	317,824	318,028	204	266	\$318,294	AAA	0.00	0.1%
FORDR 2016-2 A	34531BAA0	25,031,130	25,004,000	(27,130)	22,556	\$25,026,556	Aaa	1.42	4.4%
GCAR 2017-1A B	36253UAC5	6,830,526	6,830,575	49	9,023	\$6,839,598	AA	0.00	1.2%
OMFIT 2018-1A	68267BAA8	11,650,814	11,632,555	(18,259)	17,862	\$11,650,416	AAA	1.17	2.0%
subtotal		\$79,279,464	\$79,197,659	(\$81,804)	\$83,363	\$79,281,022	AAA-	1.00	13.8%
Corporate ABS FR									
BCARD 2018-1A A	38406EAG4	9,035,969	9,024,975	(10,995)	8,582	\$9,033,556	AAA	0.00	1.6%
CCCIT 2018-A2 A	17305EGL3	9,002,844	9,001,800	(1,044)	6,284	\$9,008,084	Aaa	3.05	1.6%
MOTEL 17--MTL6A	61975FAA7	2,256,567	2,261,510	4,943	2,674	\$2,264,184	AAA	0.35	0.4%
	65474VAQ4	10,321,625	10,298,885	(22,740)	10,487	\$10,309,372	Aaa	2.12	1.8%
VALET 2018-2A2B	92869BAC6	3,235,715	3,235,877	162	2,076	\$3,237,953	Aaa	0.00	0.6%
subtotal		\$33,852,720	\$33,823,047	(\$29,673)	\$30,102	\$33,853,149	AAA	1.48	5.9%

Pinellas County Schools
Quarterly Investment Report

December 31, 2019
Total Investment Value

Security Description	CUSIP	Book Value	Market Value	Unrealized Gain/Loss	Prepaid & Accrued Interest	Total Investment Value	Rtg	Mod. Dur.	% of Port
Other MBS Bonds FR									
SBA 510021	83164MD22	10,804,380	10,451,831	(352,548)	70,931	\$10,522,762	Aaa	0.96	1.8%
SBA 510189	83164MKA6	10,176,867	10,190,607	13,740	40,043	\$10,230,651	Aaa	0.82	1.8%
subtotal		\$20,981,247	\$20,642,438	(\$338,808)	\$110,974	\$20,753,413	AAA	0.89	3.6%
Cash, MMFs, & Investment Pools									
Bank Accounts ¹	N/A	162,630,916	162,630,916	0	0	162,630,916	NR	1d	28.4%
Money Market Funds ¹	N/A	124,255,375	124,253,698	(1,677)	48,946	124,302,644	Aaamf	0.12	21.7%
Pooled Investments-No FVA ¹	N/A	17,526,158	17,526,158	0	0	17,526,158	Aaamf	0.18	3.1%
Pooled Investments-FVA	N/A	65,121,519	65,115,914	(5,605)	0	65,115,914	Aaamf	0.22	11.4%
subtotal		\$369,533,969	\$369,526,687	(\$7,282)	\$48,946	\$369,575,633	NR	0.00	64.6%
Managed Investment Program		\$573,634,661	\$572,448,126	(\$1,186,535)	\$518,598	\$572,966,724	AA	0.44	

¹Figure shown is Weighted Average Maturity, or WAM, instead of Modified Duration
Unrealized Gain/Loss as a percent of total market value:

-0.21%

	Quarter End 12/31/19	Y-T-D 12/31/19	Prior Year 6/30/19
Average Invested Value of Managed Investment Portfolio	\$237,786,551	\$264,766,097	\$377,640,409
Managed Investment Portfolio Yield			
Total Managed Investment Portfolio Earnings	\$400,688	\$1,226,936	\$8,837,735
<i>Managed Investment Portfolio Annualized Rate Of Return</i>	0.67%	0.92%	2.34%
Benchmark 1 - Weighted Average of Comparable Indices			
Pro Forma Interest Earnings:			
Quarter Ended 6/30/20			11,819,551
Quarter Ended 3/31/20			
Quarter Ended 12/31/19	750,650	750,650	
Quarter Ended 9/30/19		2,583,381	
Total Pro Forma Benchmark 1 Earnings	\$750,650	\$3,334,031	\$11,819,551
<i>Benchmark 1 Annualized Rate Of Return</i>	1.26%	2.50%	3.13%
Benchmark 2 - Florida Prime (SBA LGIP)			
Pro Forma Interest Earnings:			
Quarter Ended 6/30/20			8,730,042
Quarter Ended 3/31/20			
Quarter Ended 12/31/19	1,034,462	1,034,462	
Quarter Ended 9/30/19		1,367,291	
Total Pro Forma Benchmark 2 Earnings	\$1,034,462	\$2,401,753	\$8,730,042
<i>Benchmark 2 Annualized Rate Of Return</i>	1.73%	1.80%	2.31%
Earnings Comparison			
<i>Annualized Rate of Return</i>			
Managed Investment Portfolio vs. Benchmark 1	-0.59%	-1.58%	-0.79%
Managed Investment Portfolio vs. Benchmark 2	-1.06%	-0.88%	0.03%
<i>Dollar Earnings</i>			
Managed Investment Portfolio vs. Benchmark 1	(\$350,482)	(\$2,107,096)	(\$2,981,816)
Managed Investment Portfolio vs. Benchmark 2	(\$633,774)	(\$1,174,817)	\$107,693

Note 1 – Securities Valuation

Starting June 30, 1997, Investments are valued at current market value. Prior to August 12, 1992 all cash was invested with the SBA. The Managed Investment Program (MIP) refers to assets actively managed for higher earnings than what would be achieved if all surplus district cash were held in a deposit account. Cash needed for current expenditures is held in interest bearing deposit accounts, money market funds, and pooled investment accounts. Bonds are priced by comparing the current coupon to the yield an investor would get if they purchased a similar bond in the open market as of the pricing date. An inverse relationship exists between yield and price. When yields rise, market prices fall, conversely when yields fall, market prices rise. The district uses the custodian’s market prices to value its securities at month-end. The custodian purchases its pricing from IDC, Interactive Data Corporation. IDC is a provider of global investment market data to the financial industry.

Note 2 – Calculation of Net increase/(decrease) in fair value of investments

The Governmental Accounting Standards Board (GASB) Statement 31 requires that all Governmental entities must adjust the book value of most investment securities to current market value. Securities with a fixed coupon and a final maturity of less than one year are exempt. Since most securities held by money market funds meet the above criteria, investments in money market funds are also exempt. The amount of the adjustment will be netted against interest earned for the reporting period. Securities exempt from GASB 31 will be recorded on the books at amortized cost.

At month end, the market prices from the district’ custodian, will be used to calculate the change in fair value from the prior month. The changes in value and interest earnings are booked to the general ledger in separate revenue functions. Since the district’s strategy is to buy and hold, over time, the net of the change in value and interest earnings should closely approximate the purchase yield of the portfolio. The following table summarizes the relationship between realized gains and losses and the adjustment to fair value per GASB 31.

December 31, 2019	<u>Quarter End</u>	<u>Fiscal Y-T-D</u>	<u>Prior Fiscal Year</u>
Realized Gains/Losses	(99,613)	102,947	(1,051,444)
MV Adjustment for Period	(712,230)	(1,677,823)	(2,070,711)
Net Incr/(Decr) in fair value of investments	<u>(811,843)</u>	<u>(1,574,877)</u>	<u>(3,122,155)</u>

Note 3 – Cumulative Return Over the SBA

For the fiscal year-to-date, the Managed Investment Portfolio’s (MIP) earnings were less than the State Board of Administration’s (SBA) Florida Prime by \$1,174,817. For the year-to-date plus the prior four fiscal years, the Florida Prime’s cumulative earnings exceeded the MIP’s by 3,151,321.

Note 4 – Effect of Unrealized Gains and Losses on Income

The district’s MIP currently has an unrealized loss of \$1,186,535. This figure has been netted against interest income. If the district’s bonds were priced at par (100) as of December 31, 2019, the SBA’s earnings over the MIP would be \$1,964,786 for the current five-year period.

Note 5 – Implied Ratings on US Agency Mortgage-Backed Securities

Mortgage-backed securities (MBS), including pools and Collateralized Mortgage Obligations (CMO), issued by US government agencies (GNMA, FNMA, and FHLMC) are not rated by the any rating agency. This is due to the implicit, in the case of FNMA and FHLMC, and explicit, in the case of GNMA, backing of the United States government. An implied rating based on the sovereign rating of US government issued debt is used. Currently this rating is AAA.

Credit Risk

The district's Investment Policy (6144) permits investments in US government and US government guaranteed bonds, Federal agency (Government Sponsored Enterprise, GSE) bonds, collateralized bonds, and short-term, money market investments. The district has \$113,020,706 in corporate asset-backed securities. The credit enhancements, short duration, and high ratings of these bonds demonstrate the safety and liquidity of these bonds. Securities in the Exempt category include U.S. Government obligations and obligations with an explicit U.S. Government guarantee. The non-compliant category consists of the district's investment in SBA Fund B accounts. This investment is frozen by the SBA. Money is distributed as the investments in the fund return principal or mature.

Credit Risk

Investment Category	Market Value	Average Rating
Cash	\$162,630,916	NR
Money Market Fund	\$124,253,698	AAA
Pooled Investments-No FVA	\$17,526,158	AAA
Pooled Investments-FVA	\$65,115,914	AAA
US Agency CMOs	\$20,509,468	AAA
US Agency FR	\$48,748,826	AA-
Corporate ABS	\$79,197,659	AAA-
Corporate ABS FR	\$33,823,047	AAA
Other MBS Bonds FR	\$20,642,438	AAA
Portfolio	\$572,448,126	AA

Concentration of Credit Risk

The district's Investment Policy (6144) permits investments in US government and US government guaranteed bonds, Federal agency (Government Sponsored Enterprise, GSE) bonds, collateralized bonds, and short-term, money market investments. For this reason, the Policy does not separately address concentration of credit risk. The Manager, Cash & Investments is allowed to invest up to 5% of the total portfolio value in bonds that are not otherwise permitted under the Funds Management Policy. The concentration risk of these investments is 5%.

Securities exempt from Concentration of Credit Risk disclosure include U.S. Government obligations and obligations with an explicit U.S. Government guarantee. In addition, investment pools and money market fund investments are also exempt.

Concentration of Credit Risk

Issuer	Percent of Total	Market Value	Issuer Full Name
EX	64.55%	\$369,526,687	Exempt
SBAD	6.49%	37,135,390	Small Business Administration

Interest Rate Risk

The district's Investment Policy (6144) requires the average duration of the portfolio to be less than five years.

Modified Duration Risk

Modified duration expresses the amount of time in years until half of the principal is returned. This calculation takes into account the coupon rate, interest and principal payment frequency, call options, and sensitivity of price to changes in interest rates. Factors that extend the return of principal, or make it more time uncertain, increase the duration. Factors that quicken the return of principal, or make it more time certain, decrease the duration. Duration will also change as the level of interest rates in the economy rise and fall. With the current level of interest rates, the above table indicates that the district will receive 50% of invested principal in 0.56 years, or 6.72 months.

Floating/Adjustable Interest Rate Risk

The district currently has \$103,214,311 invested in securities with floating or adjustable interest rate risk. \$103,214,311 is invested in floating rate bonds. The coupon on these bonds resets monthly, or quarterly, based on an index rate. The coupons on these bonds range from 1.92% to 6.01%.

Call Option Risk

There are three types of call options, "one-time" calls, "discrete" calls and "continuous" calls. These are listed in order of increasing risk. A one-time call means that at one specified time before maturity, the issuer of a bond has the option to call the bond, or buy it back from investors. A discrete call means that at specific times, usually either quarterly or semi-annually, before maturity, the issuer can call the bond. A continuous call means that starting at a specified point in time, usually an interest payment date, and at any time thereafter, up to the maturity date, the issuer can call the bond. The district currently has no callable bonds.

MBS/ABS Prepayment Risk

There are two types of Mortgage-Backed Securities (MBSs) in which the district invests. Agency pools are collections, or pools, of mortgages in which the investor receives the principal and interest payments in the same proportion as the borrowers pay them. CMO bonds are backed by mortgage pools, however, the principal payment of the bond has been altered to be either more or less time certain than the underlying mortgages. ABS bonds are securities that are collateralized by financial products other than residential mortgages. For example car loans/leases, commercial mortgages, or credit card loans. MBSs have a unique type of "call" risk, in that homeowners may opt to prepay their mortgage at any time. While there are many factors which determine whether a homeowner will prepay their mortgage, one of the most significant is the level of interest rates. When rates fall it is more advantageous to the homeowner to refinance their mortgage to a lower rate. When rates rise, this type of prepayment will decrease.

The duration on the District's portfolio ranges from 0 years to 3.05 years. The duration on the District's ABS/MBS bonds ranges from 0.22 years to 3.05 years.

Interest Rate Risk

Investment Category	Market Value	Mod. Dur.
Exempt	\$286,884,615	19.15
Pooled Investments-No FVA	\$17,526,158	0.18
Pooled Investments-FVA	\$65,115,914	82.71
US Agency CMOs	\$20,509,468	1.77
US Agency FR	\$48,748,826	1.36
Corporate ABS	\$79,197,659	1.00
Corporate ABS FR	\$33,823,047	1.51
Other MBS Bonds FR	\$20,642,438	0.89
Portfolio	\$572,448,126	0.56