

Quarterly Investment Report

March 31, 2023

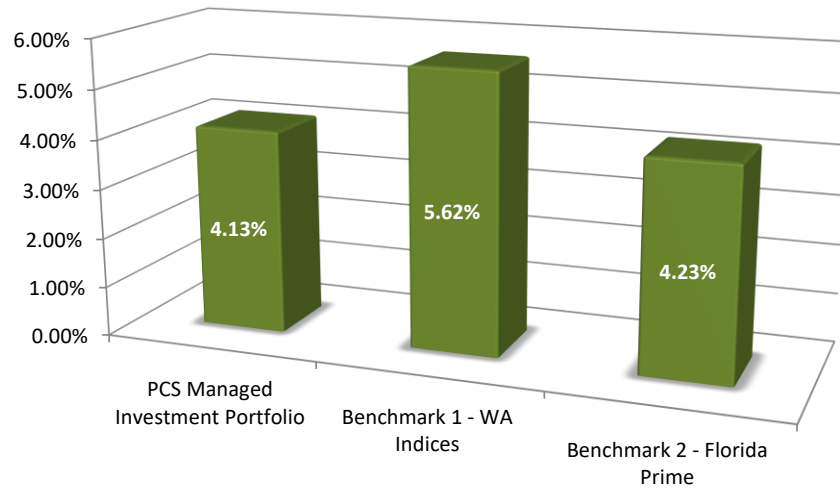


prepared by Cash Management Department

Table of Contents

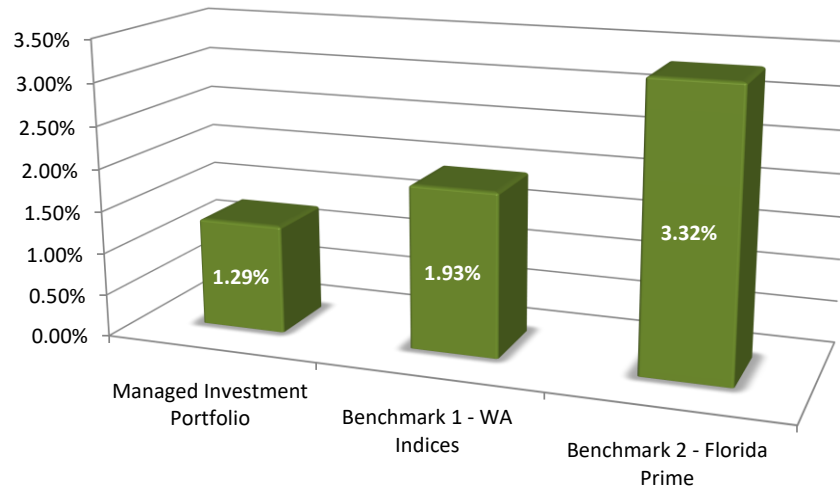
Section	Page
Yield Comparison Charts	1
Portfolio Composition Charts	2
Asset Value and Income Statement	3
Total Investment Value	4
Yield Comparison Analysis	6
Notes to Quarterly Report	7
Risk Disclosures	8

Yield Comparison March 31, 2023



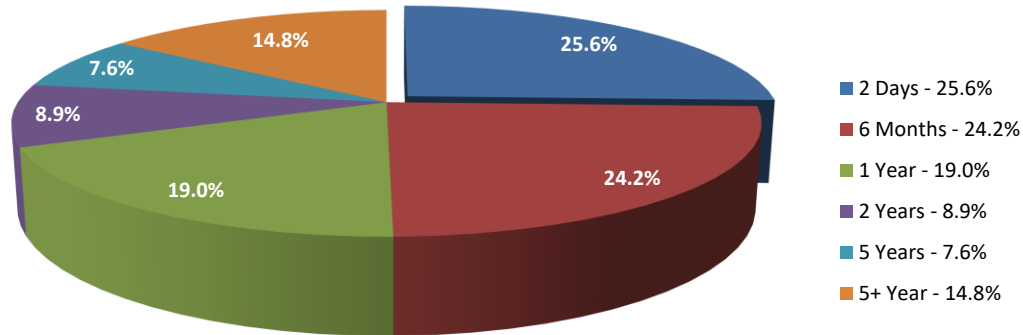
The yield on the district’s managed investment program was 4.13% for the quarter ended March 31, 2023.

Yield Comparison Year to Date through March 31, 2023



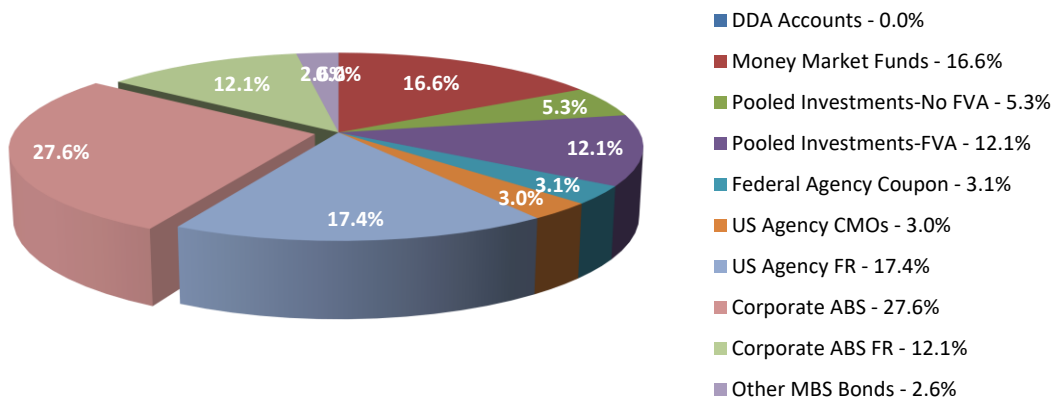
The yield on the district’s managed investment program was 1.29% for the fiscal year ended March 31, 2023.

Investments by Duration March 31, 2023



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 March 31, 2023



The above chart breaks down the district’s portfolio by investment type. For example, the largest category is Agency, GNMA, FNMA, FHLMC, etc..., Mortgage-Backed Securities (MBS) representing 41% of the portfolio.

Portfolio Assets	3/31/23			6/30/22
Investment in U.S. Treasury and Agency Securities:				
Investments (securities at market value)	\$316,593,606			\$233,679,993
Other Pooled Investments	58,223,058			0
Accrued Interest Receivable and Prepaid Interest	1,046,916			417,843
Total U.S. Treasury and Agency Securities	\$375,863,580			\$234,097,836
Cash Investments				
Money market funds	79,667,371			24,627,959
Pooled Cash Investments	25,380,276			0
Bank accounts (DDA & MMA)	45,173			11,051,038
Total Cash Investments	\$105,092,819			\$35,678,998
Total Managed Investment Portfolio Value	\$480,956,399			\$269,776,834
	Quarter End	Y-T-D	Prior Year	
	3/31/23	3/31/23	6/30/22	
Portfolio Income				
Interest Earned				
U.S. Government Securities & Other Pooled Accounts	2,737,611	4,195,352	3,409,912	
Money Market Funds	2,407,901	3,737,332	110,531	
Bank Accounts	0	0	0	
Total Interest Earned	5,145,512	7,932,684	3,520,444	
Net increase/(decrease) in fair value of investments - Note 2	325,453	(4,458,852)	(13,126,138)	
Total Managed Investment Portfolio Earnings	\$5,470,965	\$3,473,832	(\$9,605,694)	
	Quarter End	Y-T-D	Prior Year	
	3/31/23	3/31/23	6/30/22	
Yield Comparison - Page 5				
<i>Managed Investment Portfolio</i>				
Annualized Rate of Return	4.13%	1.29%	-2.32%	
<i>Benchmark 1 - Weighted Average of Comparable Indices</i>				
Annualized Rate of Return	5.62%	1.93%	-3.29%	
Managed Investment Portfolio Yield vs. Benchmark 1	-1.49%	-0.64%	0.97%	
<i>Benchmark 2 - Florida Prime MMF (SBA LGIP)</i>				
Annualized Rate of Return	4.23%	3.32%	0.29%	
Managed Investment Portfolio Yield vs. Benchmark 2	-0.10%	-2.03%	-2.61%	

Pinellas County Schools
Quarterly Investment Report

March 31, 2023
Total Investment Value

Security Description	CUSIP	Book Value	Market Value	Unrealized Gain/Loss	Prepaid & Accrued Interest	Total Investment Value	Rtg	Mod. Dur.	% of Port
Federal Agency Coupon									
FFCB 6 3/8 11/1	3133EN2D1	15,000,000	15,051,450	51,450	361,250	\$15,412,700	Aaa	0.59	3.1%
subtotal		\$15,000,000	\$15,051,450	\$51,450	\$361,250	\$15,412,700	AAA	0.59	3.1%
US Agency CMOs									
GNR 2021-215 PG	38383DZ92	16,646,945	14,539,208	(2,107,737)	24,096	\$14,563,304	AAA	5.40	3.0%
subtotal		\$16,646,945	\$14,539,208	(\$2,107,737)	\$24,096	\$14,563,304	AAA	5.40	3.0%
US Agency FR									
CFII 2021-1A A2	165183CT9	8,465,326	8,397,011	(68,315)	19,612	\$8,416,624	Aaa	0.51	1.7%
FHMS KF90 AL	3137F6JG3	9,247,021	9,289,878	42,857	7,803	\$9,297,682	AAA	5.29	1.9%
FHMS KF84 AL	3137FWGC8	4,581,232	4,592,525	11,293	3,840	\$4,596,365	AAA	4.35	1.0%
FHMS KF87 AL	3137FX4E5	7,355,897	7,363,070	7,173	6,206	\$7,369,276	AAA	3.31	1.5%
FHMS KF44 A	3137FEUY4	4,524,413	4,510,904	(13,509)	4,282	\$4,515,186	AAA	1.38	0.9%
FHMS KF38 A	3137FBUC8	11,171,886	11,158,869	(13,018)	10,866	\$11,169,735	AAA	1.07	2.3%
FHMS KF80 AL	3137FUN59	10,285,157	10,250,452	(34,705)	10,256	\$10,260,708	AAA	4.92	2.1%
FNA 2017-M6 F	3136AV7E3	1,798,239	1,784,856	(13,384)	1,872	\$1,786,728	AAA	4.32	0.4%
FNA 2019-M6	3136B4KR8	16,121,880	15,986,353	(135,527)	12,800	\$15,999,153	AAA	5.74	3.3%
OCTL 2022-2A A	67578XAA6	10,410,849	10,352,101	(58,748)	16,300	\$10,368,401	AA	0.97	2.2%
subtotal		\$83,961,901	\$83,686,020	(\$275,882)	\$93,838	\$83,779,858	AAA	3.30	17.4%
Corporate ABS									
ACAR 2019-3 E	02529NAJ6	14,890,647	14,914,233	23,586	30,129	\$14,944,363	AAA	0.45	3.1%
AMCAR 2019-1 D	03066GAG4	5,704,986	5,681,000	(23,986)	7,516	\$5,688,516	AAA	0.47	1.2%
DRIVE 2020-2 C	26208VAF3	1,594,835	1,593,580	(1,255)	1,626	\$1,595,205	Aaa	0.46	0.3%
EART 2021-3A C	30166AAE4	9,989,035	9,963,954	(25,081)	4,434	\$9,968,387	Aaa	0.99	2.1%
FCRT 2020-1 E	35105FAG1	6,567,904	6,547,239	(20,665)	10,299	\$6,557,539	Aaa	0.46	1.4%
FORDL 2021-B A4	345329AD8	17,160,639	17,174,627	13,987	3,148	\$17,177,775	AAA	0.58	3.6%
GMALT 2021-1 C	36261RAF5	29,080,408	28,960,009	(120,399)	6,319	\$28,966,328	Aaa	0.30	6.0%
SDART 2021-4 B	80285VAD1	3,221,890	3,223,813	1,924	1,281	\$3,225,095	Aaa	0.33	0.7%
SDART 2022-2 A3	80286MAC2	18,046,020	18,003,806	(42,214)	24,198	\$18,028,004	Aaa	0.49	3.8%

Pinellas County Schools
Quarterly Investment Report

March 31, 2023
Total Investment Value

Security Description	CUSIP	Book Value	Market Value	Unrealized Gain/Loss	Prepaid & Accrued Interest	Total Investment Value	Rtg	Mod. Dur.	% of Port
SDART 2022-3 A3	80285UAD3	14,801,854	14,787,150	(14,704)	22,667	\$14,809,817	Aaa	0.71	3.1%
WLAKE 2021-1A B	96043FAD5	11,721,108	11,778,040	56,932	3,380	\$11,781,420	AAA	0.37	2.5%
subtotal		\$132,779,325	\$132,627,451	(\$151,874)	\$114,998	\$132,742,449	AAA	0.50	27.6%
Corporate ABS FR									
HERTZ 2021-1A	42806MAA7	11,441,206	11,402,025	(39,181)	2,457	\$11,404,482	Aaa	1.47	2.4%
NAVSL 2014-4 A	63938QAA5	3,578,521	3,513,577	(64,944)	2,743	\$3,516,321	Aaa	5.06	0.7%
NSLT 2014-6A A	64033RAA5	13,227,946	13,254,886	26,940	10,351	\$13,265,237	Aaa	5.50	2.8%
SLMA 2004-10 A7	78442GNJ1	15,538,776	15,526,234	(12,541)	154,385	\$15,680,620	Aaa	1.64	3.2%
SLMA 2005-3 A6	78442GPC4	14,661,491	14,583,841	(77,650)	137,962	\$14,721,803	Aaa	5.28	3.0%
subtotal		\$58,447,939	\$58,280,564	(\$167,375)	\$307,898	\$58,588,462	AAA	3.60	12.1%
Other MBS Bonds									
GNR 2021-222 AD	38381EKK3	14,910,143	12,408,914	(2,501,229)	19,375	\$12,428,289	AAA	3.65	2.6%
subtotal		\$14,910,143	\$12,408,914	(\$2,501,229)	\$19,375	\$12,428,289	AAA	3.65	2.6%
Cash, MMFs, & Investment Pools									
Bank Accounts ¹	N/A	45,173	45,173	0	0	45,173	NR	1d	0.0%
Money Market Funds ¹	N/A	79,637,763	79,667,371	29,608	125,461	79,792,832	Aaamf	48d	16.6%
Pooled Investments-No FVA ¹	N/A	25,380,276	25,380,276	0	0	25,380,276	Aaamf	112d	5.3%
Pooled Investments-FVA	N/A	58,223,058	58,223,058	0	0	58,223,058	Aaamf	0.58	12.1%
subtotal		\$163,286,269	\$163,315,877	\$29,608	\$125,461	\$163,441,337	AAA	0.32	34.0%
Managed Investment Program		\$485,032,522	\$479,909,483	(\$5,123,039)	\$1,046,916	\$480,956,399	AAA	1.54	

¹Figure shown is Weighted Average Life, or WAL, instead of Modified Duration

Unrealized Gain/Loss as a percent of total market value:

-1.07%

	Quarter End 3/31/23	Y-T-D 3/31/23	Prior Year 6/30/22
Average Invested Value of Managed Investment Portfolio	\$536,677,026	\$357,522,327	\$414,092,349
Managed Investment Portfolio Yield			
Total Managed Investment Portfolio Earnings	\$5,470,965	\$3,473,832	(\$9,605,694)
<i>Managed Investment Portfolio Annualized Rate Of Return</i>	4.13%	1.29%	-2.32%
Benchmark 1 - Weighted Average of Comparable Indices			
Pro Forma Interest Earnings:			
Quarter Ended 6/30/23			(13,634,345)
Quarter Ended 3/31/23	7,441,664	7,441,664	
Quarter Ended 12/31/22		2,469,575	
Quarter Ended 9/30/22		(4,718,032)	
Total Pro Forma Benchmark 1 Earnings	\$7,441,664	\$5,193,207	(\$13,634,345)
<i>Benchmark 1 Annualized Rate Of Return</i>	5.62%	1.93%	-3.29%
Benchmark 2 - Florida Prime (SBA LGIP)			
Pro Forma Interest Earnings:			
Quarter Ended 6/30/23			1,202,108
Quarter Ended 3/31/23	5,591,156	5,591,156	
Quarter Ended 12/31/22		2,392,251	
Quarter Ended 9/30/22		928,742	
Total Pro Forma Benchmark 2 Earnings	\$5,591,156	\$8,912,149	\$1,202,108
<i>Benchmark 2 Annualized Rate Of Return</i>	4.23%	3.32%	0.29%
Earnings Comparison			
<i>Annualized Rate of Return</i>			
Managed Investment Portfolio vs. Benchmark 1	-1.49%	-0.64%	0.97%
Managed Investment Portfolio vs. Benchmark 2	-0.10%	-2.03%	-2.61%
<i>Dollar Earnings</i>			
Managed Investment Portfolio vs. Benchmark 1	(\$1,970,699)	(\$1,719,375)	\$4,028,651
Managed Investment Portfolio vs. Benchmark 2	(\$120,190)	(\$5,438,317)	(\$10,807,802)

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.

March 31, 2023	<u>Quarter End</u>	<u>Fiscal Y-T-D</u>	<u>Prior Fiscal Year</u>
Realized Gains/Losses	0	(9,395,148)	102,947

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) local government investment pool by (\$5,438,317). For the year-to-date plus the prior four fiscal years, the MIP’s cumulative earnings were over the SBA by (15,551,875).

Note 4 – Effect of Unrealized Gains and Losses on Income

The district’s MIP currently has an unrealized loss of \$5,123,039. This figure has been netted against interest income. If the district’s bonds were priced at par (100) as of March 31, 2023, the district’s cumulative earnings over the SBA would be -\$10,428,836 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 \$190,908,015 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	\$45,173	NR
Money Market Fund	\$79,667,371	AAA
Pooled Investments-No FVA	\$25,380,276	AAA
Pooled Investments-FVA	\$58,223,058	AAA
Federal Agency Coupon	\$15,051,450	AAA
US Agency CMOs	\$14,539,208	AAA
US Agency FR	\$83,686,020	AAA-
Corporate ABS	\$132,627,451	AAA
Corporate ABS FR	\$58,280,564	AAA
Other MBS Bonds	\$12,408,914	AAA
Portfolio	\$479,909,483	AAA

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	34.03%	163,315,877	Exempt
GNMA	5.62%	26,948,122	Government National Mtge Assoc
FHMS	9.83%	47,165,699	FHLMC Multifamily Structured P
GMALT	6.03%	28,960,009	GM Financial Auto Leasing Trus
SDART	7.50%	36,014,769	Santander Drive Auto Rec Trust
SLMA	6.27%	30,110,075	Student Loan Mrktg Assoc

Securities Where Issuer Represents More Than 5% of Portfolio

Issuer	CUSIP	Market Value	Description
SLMA	78442GNJ1	15,526,234	SLMA 2004-10 A7
SLMA	78442GPC4	14,583,841	SLMA 2005-3 A6
SDART	80285VAD1	3,223,813	SDART 2021-4 B
SDART	80286MAC2	18,003,806	SDART 2022-2 A3
SDART	80285UAD3	14,787,150	SDART 2022-3 A3
GNMA	38383DZ92	14,539,208	GNR 2021-215 PG
GNMA	38381EKK3	12,408,914	GNR 2021-222 AD
GMALT	36261RAF5	28,960,009	GMALT 2021-1 C
FHMS	3137F6JG3	9,289,878	FHMS KF90 AL
FHMS	3137FWGC8	4,592,525	FHMS KF84 AL
FHMS	3137FX4E5	7,363,070	FHMS KF87 AL
FHMS	3137FEUY4	4,510,904	FHMS KF44 A
FHMS	3137FBUC8	11,158,869	FHMS KF38 A
FHMS	3137FUN59	10,250,452	FHMS KF80 AL

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 1.54 years, or 18.48months.

Floating/Adjustable Interest Rate Risk

The district currently has \$58,280,564 invested in securities with floating or adjustable interest rate risk. \$58,280,564 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 1.21% to 5.50%.

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 5.74 years. The duration on the District's ABS/MBS bonds ranges from 0.3 years to 5.74 years.

Interest Rate Risk

Investment Category	Market Value	Mod. Dur.
Exempt	\$79,712,543	0.13
Pooled Investments-No FVA	\$25,380,276	0.31
Pooled Investments-FVA	\$58,223,058	0.58
Federal Agency Coupon	\$15,051,450	0.59
US Agency CMOs	\$14,539,208	5.40
US Agency FR	\$83,686,020	3.30
Corporate ABS	\$132,627,451	0.50
Corporate ABS FR	\$58,280,564	3.60
Other MBS Bonds	\$12,408,914	3.65
Portfolio	\$479,909,483	1.54