



Agenda Report

2725 Judge Fran Jamieson
Way
Viera, FL 32940

Consent

F.7.

4/4/2023

Subject:

Annual Investment Performance Report Year Ended September 30, 2022

Fiscal Impact:

Dept/Office:

County Finance Department

Requested Action:

It is requested that the Board of County Commissioners accept the Brevard County Annual Investment Performance Report, for the Year-Ended September 30, 2022.

Summary Explanation and Background:

The County's Investment Advisor, PFM Asset Management, LLC (PFM), has prepared the Annual Investment Performance Report for year-ended September 30, 2022 as required by Brevard County Investment Policy No. BCC-49. Brevard County Investment Policy No. BCC-49 designates responsibility to the Brevard County Investment Committee, authorized by the County Commission, for providing oversight of the County's investment program.

This report complies with the Board's Investment Policy which is to foremost safeguard the County's funds, insure the availability of operating and capital funds when needed and then an investment return competitive with comparable funds and financial market indices. The report reflects the investment activity of the County as a whole and compares the performance with the prior year and established benchmarks. This report does not address the financial condition of the various individual County funds.

The Investment Committee reviewed and approved the attached Investment Report.

County Investment Advisor:

PFM Asset management, LLC; Richard Pengelly; (407) 406-5766; email pengellyr@pfmam.com
<<mailto:pengellyr@pfmam.com>>

Clerk to the Board Instructions:



Kimberly Powell, Clerk to the Board, 400 South Street • P.O. Box 999, Titusville, Florida 32781-0999

Telephone: (321) 637-2001
Fax: (321) 264-6972
Kimberly.Powell@brevardclerk.us

April 5, 2023

M E M O R A N D U M

TO: Kathy Prothman, County Finance Director

RE: Item F.7., Annual Investment Performance Report Year Ended September 30, 2022

The Board of County Commissioners, in regular session on April 4, 2023, accepted the Brevard County Annual Investment Performance Report, for the year ended September 30, 2022.

Your continued cooperation is always appreciated.

Sincerely,

BOARD OF COUNTY COMMISSIONERS
RACHEL M. SADOFF, CLERK


Kimberly Powell, Clerk to the Board

/sm



BREVARD COUNTY

Annual Report For the Fiscal Year Ended September 30, 2022

Client Management Team

Scott Sweeten, BCM, CFS, Sr. Managing Consultant
Ed Polansky, Key Account Manager
Sean Gannon, Senior Managing Consultant

PFM Asset Management LLC

225 E. Robinson Street
Orlando, FL 32801
407-406-5754

213 Market Street
Harrisburg, PA 17101-2141
717-232-2723

NOT FDIC INSURED : NO BANK GUARANTEE : MAY LOSE VALUE

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- Short Term and Bond Portfolio

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- Long Term Portfolio

- Multi-Asset Class Management Portfolio

Table I

BREVARD COUNTY

Total Portfolio Balances and Interest Earnings

Balances Fund Name	Book Value as of September 30, 2022	Book Value as of September 30, 2021	Percent Change From FY 2022 - 2021
General Fund	\$91,310,296	\$70,851,798	28.88%
Special Revenue	615,598,124	509,087,491	20.92%
Debt Service	16,393,295	12,360,991	32.62%
Capital Projects	20,569,063	12,570,677	63.63%
Enterprise	148,017,985	145,102,903	2.01%
Internal Service	39,752,023	51,617,364	-22.99%
Total	\$931,640,787	\$801,591,224	16.22%

Interest Earnings Fund Name	Interest Earned Fiscal Year 2022	Interest Earned Fiscal Year 2021	Percent Change From FY 2022 - 2021
General Fund	\$1,683,826	\$1,042,339	61.54%
Special Revenue	4,744,062	5,044,667	-5.96%
Debt Service	177,983	197,904	-10.07%
Capital Projects	166,069	79,863	107.94%
Enterprise	1,473,480	1,747,231	-15.67%
Internal Service	375,658	642,734	-41.55%
Total	\$8,621,078	\$8,754,737	-1.53%

County Total Portfolio	Book Value as of September 30, 2022	Market Value as of September 30, 2022
Short Term and Bond Portfolio	\$406,817,443	\$406,817,443
Long Term Portfolio	385,449,111	367,177,127
Total	\$792,266,554	\$773,994,570

BREVARD COUNTY

Short Term and Long Term Portfolios Annual Review Fact Sheet

Ending Balance as of September 30, 2022

Short Term Portfolio Market Value ¹	\$406,817,443	Short Term Portfolio Performance	Last 12 Months
Long Term Portfolio Market Value	367,177,127	Yield at Cost	2.53%
Total All Assets	<u>\$773,994,570</u>	Short Term Portfolio	2.39%
		S&P Rated GIP Index Government 30 Day Gross Yield	0.14%
		Performance over the Benchmark	

Interest Earnings

Total Portfolio Interest Earnings for Fiscal Year 2022	Last 12 Months	Weighted Average Maturity	As of September 30, 2022
	\$8,621,078	Short Term Portfolio	3 Days
		S&P Rated GIP Index Government	30 Days

Additional Annual Returns in Dollars²

Total Return	Last 12 Months	Long Term Portfolio Performance	Last 12 Months
Long Term Portfolio	(\$17,073,736)	Total Return	-4.65%
Merrill Lynch 1-3 Year U.S. Treasury Index	(17,844,808)	Long Term Portfolio	-4.86%
Additional Returns over Benchmark	<u>\$771,072</u>	Merrill Lynch 1-3 Year U.S. Treasury Index	0.21%
		Performance over the Benchmark	

Effective Duration

Long Term Portfolio	Fiscal Year End
Merrill Lynch 1-3 Year U.S. Treasury Index	1.70 Years
	1.76 Years

Notes:

1. The Short Term Portfolio is managed by the County.
2. Based on the fiscal year end balance.

BREVARD COUNTY

Multi-Asset Class Management Portfolio Annual Review Fact Sheet

Ending Balance as of September 30, 2022		Multi-Asset Class Management Portfolio Performance	
Multi-Asset Class Management Portfolio Market Value	\$41,193,044	Total Return	-18.79%
Interest Earnings		Multi-Asset Class Management Portfolio	-18.15%
Total Portfolio Interest Earnings Year-to-Date	Fiscal Year-to-Date (\$9,727,953)	Multi-Asset Class Management Portfolio Benchmark	-0.64%
		Performance over the Benchmark	

Sector Allocation Breakout

	Sector Allocation (\$)	Sector Allocation (%)	Benchmark Target (%)	Overweight/Underweight	Sector Performance Fiscal Year-to-Date	Benchmark Performance Fiscal YTD
Domestic Equity	\$16,418,215	39.9%	42.0%	-2.1%	-18.63%	-17.63%
International Equity	7,400,708	18.0%	23.0%	-5.0%	-29.79%	-25.17%
Fixed Income	12,815,029	31.1%	35.0%	-3.9%	-14.40%	-14.60%
Other Growth ²	1,602,411	3.9%	0.0%	3.9%	-21.70%	N/A
Other Income ²	749,439	1.8%	0.0%	1.8%	-14.67%	N/A
Real Return ²	1,008,223	2.4%	0.0%	2.4%	2.47%	N/A
Cash Equivalent	1,199,019	2.9%	0.0%	2.9%	1.57%	N/A
Total	\$41,193,044	100.0%	100.0%	0.00%	-18.79%	-18.15%

Notes:

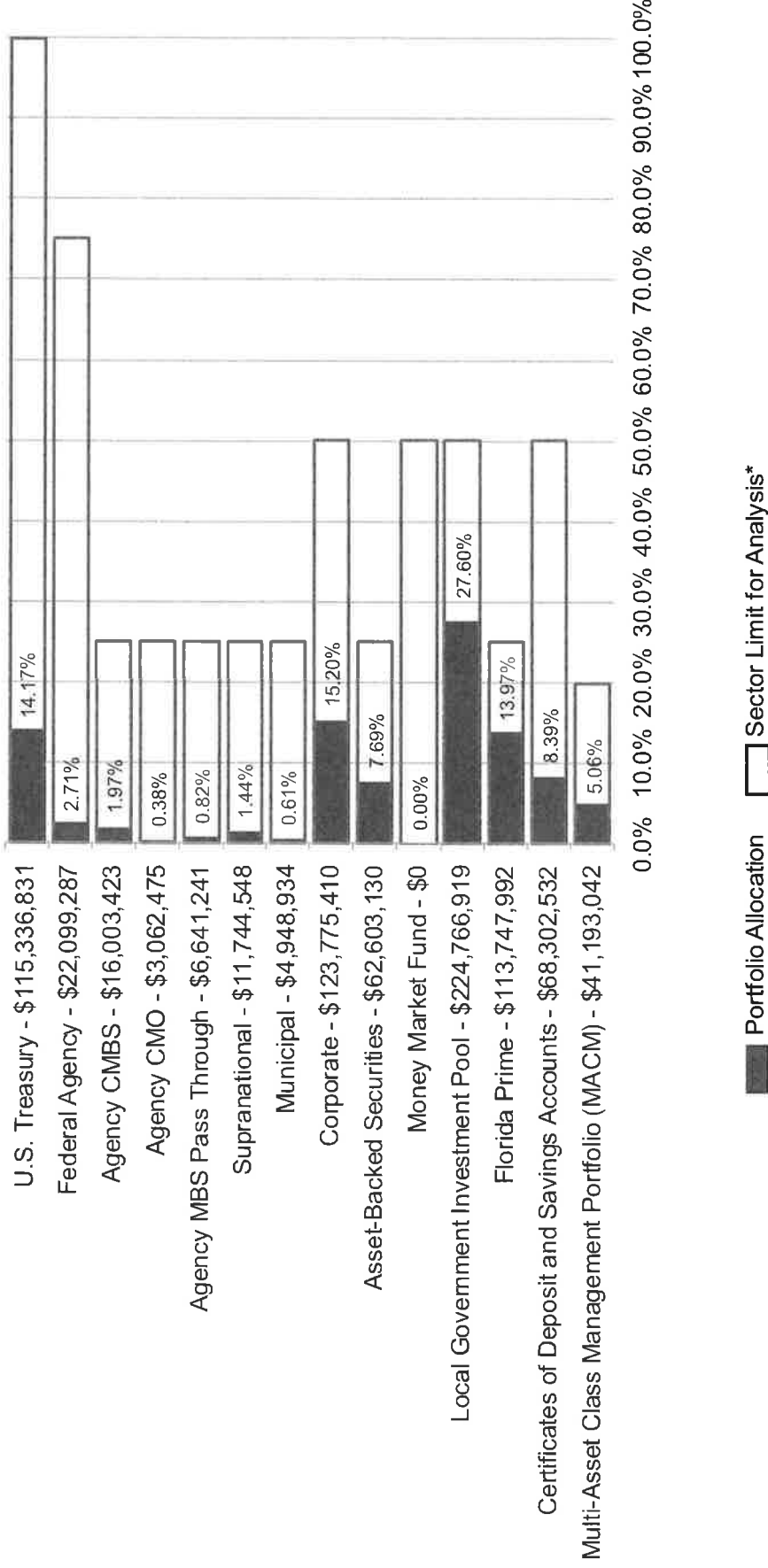
1. Based on the fiscal year end balance.
2. N/A is listed for sectors that do not have a full fiscal year of performance.

Tab II

BREVARD COUNTY

- The Short Term and Bond Portfolio is of high credit quality and invested in certificates of deposit, Florida Prime (SBA), FL PALM, Florida Fit, and bank accounts.
- The Short Term and Bond Portfolio ended the fiscal year with a yield to maturity at cost of 2.53%, 14 basis points (0.14%) higher than the benchmark yield of 2.39%.
- The Long Term Fund Portfolio is of high credit quality and invested in U.S. Treasury, corporate, federal agency, asset-backed, supranational, municipal, agency MBS passthrough, agency CMBS, and agency CMO securities
- The Long Term Fund Portfolio's annual total return performance of -4.65% outperformed the benchmark performance of -4.86% by 0.21%.
- The Multi-Asset Class Management Portfolio was created during the 4th Quarter of 2018. Fiscal year-to-date performance of the portfolio is -18.79%, underperforming the benchmark's performance of -18.15%.
- The Federal Reserve (Fed) raised rates a total of 1.5% during the quarter, with expectations for further increases in the coming quarter. The Fed has buckled down on doing what it takes to combat inflation, painting a bleak picture for the path forward of interest rates. While market expectations for the Fed funds rate have risen to an increased likelihood of a 75 basis point (bps) rate hike at the November Federal Open Market Committee (FOMC) meeting and a 75 bps rate hike at the December meeting. The European Central Bank, the Bank of England and various other central banks also continued to raise rates during the quarter as they worked to control inflation in their domestic markets.
- Sector preferences continued to shift away from larger than average Treasury allocations in favor of other spread product sectors, including corporates, asset-backed securities, collateralized agency mortgage-backed securities, and more recently callable federal agencies. Fixed income portfolios generated negative absolute performance during Q3 as interest rates surged to the highest levels in 14 years. Despite historically poor bond market performance, incremental performance was quite strong as defensive durations and diversification buoyed performance relative to benchmarks in the quarter.

Sector Allocation Analytics



For informational/analytical purposes only and is not provided for compliance assurance. Includes accrued interest.
 *Sector Limit for Analysis is as derived from our interpretation of your most recent Investment Policy as provided.

Tab III

BREVARD COUNTY

Short Term and Bond Portfolio Yields

Yields^{1,2}	Yield at Cost as of	Percent of Portfolio	Yield at Cost as of	Percent of Portfolio
Security Type	September 30, 2022	September 30, 2022	September 30, 2021	September 30, 2021
Florida PRIME (SBA)	2.61%	27.96%	0.09%	29.37%
SunTrust Bank Account	0.35%	3.67%	0.35%	7.75%
PFMAM FL PALM	2.65%	25.19%	0.05%	24.09%
PFMAM FL PALM - Term	0.37%	2.47%	0.00%	0.00%
Bank United Money Market Fund	2.05%	10.64%	0.20%	5.74%
Florida FIT	3.04%	27.60%	0.09%	25.56%
Bank United CD	2.27%	2.47%	0.13%	7.49%
Total Average Yield²	2.53%	100.00%	0.11%	100.00%

Benchmarks

S&P Rated GIP Index Government 30 Day Yield³ **September 30, 2022** **September 30, 2021**

2.39% 0.07%

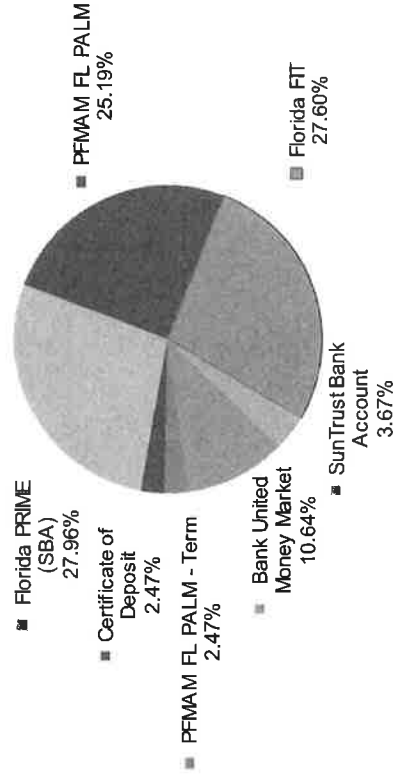
Notes:

- Yields are presented as "Yield on Cost" pursuant to the County's Investment Policy Performance Section for short-term securities and compared to the benchmark which is the Standard & Poor's GIP 30 Day Index.
- Yield on Cost is a dollar-weighted yield.
- Monthly yield, gross of fees. Source Standard & Poor's Financial Institutions Ratings.
- Bank Deposits in excess of \$250,000 are collateralized under Florida State Statute 280 with U.S. Government and U.S. Government Agency securities, including Mortgage-Backed Securities.

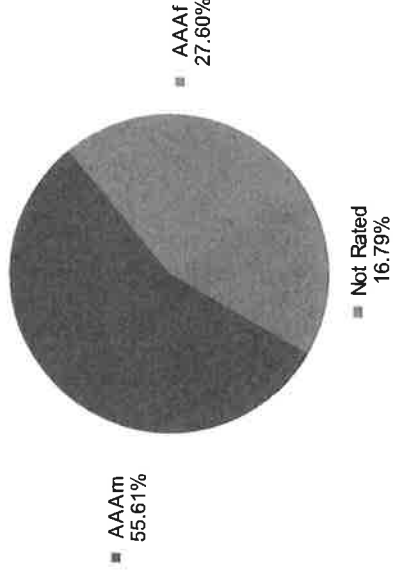
Short Term and Bond Portfolio Composition (Market Value)

Security Type ¹	Balance as of September 30, 2022	Percent of Portfolio	Balance as of September 30, 2021	Percent of Portfolio
Florida PRIME (SBA)	\$113,747,992	27.96%	\$117,720,535	29.37%
PFMAM FL PALM Florida FIT	102,461,634	25.19%	96,567,324	24.09%
SunTrust Bank Account	112,274,976	27.60%	102,429,649	25.56%
Bank United Money Market	14,940,287	3.67%	31,073,537	7.75%
PFMAM FL PALM - Term	43,304,112	10.64%	22,995,041	5.74%
Certificate of Deposit	10,030,310	2.47%	0	0.00%
	10,058,134	2.47%	30,009,524	7.49%
Totals	\$406,817,443	100.00%	\$400,795,609	100.00%

Portfolio Composition
as of September 30, 2022¹



Credit Quality Distribution
as of September 30, 2022²



Notes:

- Investment balances are market values as of September 30, 2022.
- Credit rating of securities held in portfolio. Standard & Poor's is the source of the credit ratings. The SBA Fund B and Bank Deposits are not rated.
- Bank Deposits in excess of \$250,000 are collateralized under Florida State Statute 280 with U.S. Government and U.S. Government Agency securities, including Mortgage-Backed Securities.
- Market Values listed exclude Multi-Asset Class Assets. Market Values exclude accrued interest or estimated income from FL PALM TERM securities.

For the Fiscal Year Ended September 30, 2022

BREVARD COUNTY

Short Term and Bond Portfolio Composition

Short Term and Bond Portfolio Holdings and Yields¹ as of September 30, 2022

Security Description	CUSIP	Purchase Date	Maturity Date	Par Value	Book Amount	Market Value	Yield on Cost ²
Florida Prime (SBA)				\$ 113,747,992	\$ 113,747,992	\$ 113,747,992	2.61%
PFMAM FL PALM				\$ 102,461,634	\$ 102,461,634	\$ 102,461,634	2.65%
PFMAM FL PALM - TERM			12/01/22	\$ 10,030,310	\$ 10,030,310	\$ 10,030,310	0.37%
Florida FIT				\$ 112,274,976	\$ 112,274,976	\$ 112,274,976	3.04%
SunTrust Bank Account				14,940,287	14,940,287	14,940,287	0.35%
Bank United CD	1815043014	6/28/2022	12/29/2022	10,058,134	10,058,134	10,058,134	2.27%
Bank United Money Market				43,304,112	43,304,112	43,304,112	2.05%
Grand Total				\$ 406,817,443	\$ 406,817,443	\$ 406,817,443	2.53%

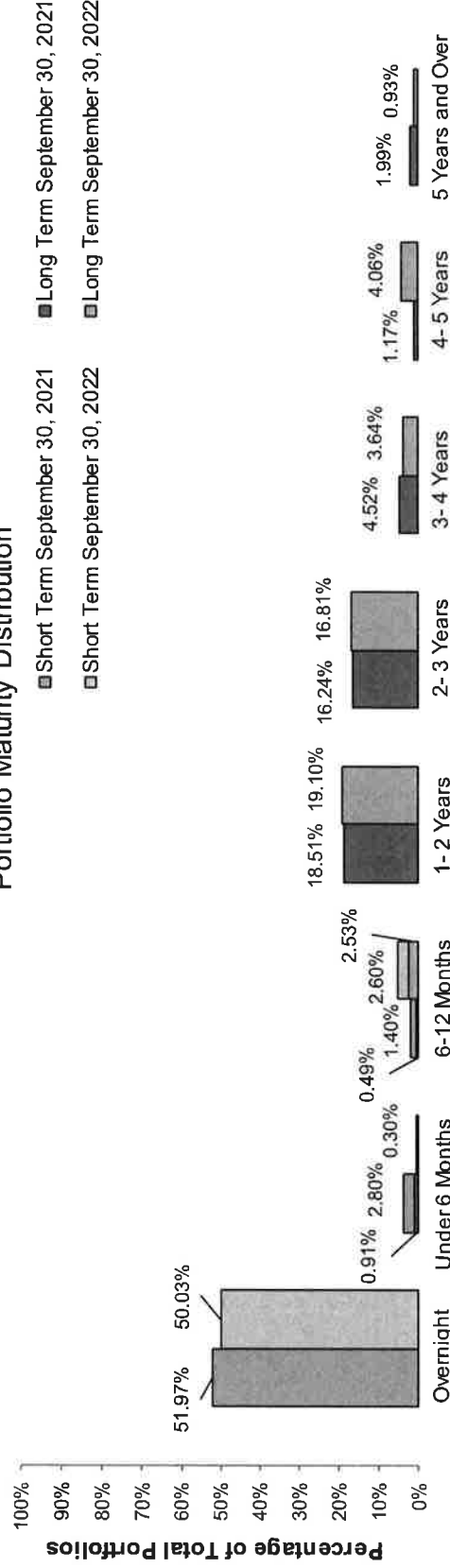
Notes:

1. Yields are presented as "Yield on Cost" pursuant to the County's Investment Policy Performance Section for short-term securities and compared to the benchmark which is the Standard & Poor's GIP 30 Day Index.
2. Yield on Cost is a dollar-weighted yield.
3. Bank Deposits in excess of \$250,000 are collateralized under Florida State Statute 280 with U.S. Government and U.S. Government Agency securities, including Mortgage-Backed Securities.

Long Term and Short Term Fund Portfolios Maturity Distribution

Maturity Distribution ¹	September 30, 2022	September 30, 2021
Overnight (Money Market Fund)	\$386,729,000	\$252,188,009
Under 6 Months	2,293,046	44,455,811
6 - 12 Months	39,662,116	16,053,955
1 - 2 Years	147,652,993	90,936,877
2 - 3 Years	129,944,485	110,340,179
3 - 4 Years	28,120,626	19,051,228
4 - 5 Years	31,406,449	14,274,433
5 Years and Over	7,224,007	19,466,445
Totals	\$773,032,721	\$566,766,936

Portfolio Maturity Distribution



No

1. Callable securities in portfolio are included in the maturity distribution analysis to their stated maturity date, although they may be called prior to maturity.
2. Market Values listed exclude Multi-Asset Class Assets. Market Values exclude accrued interest or estimated income from FL PALM TERM securities.

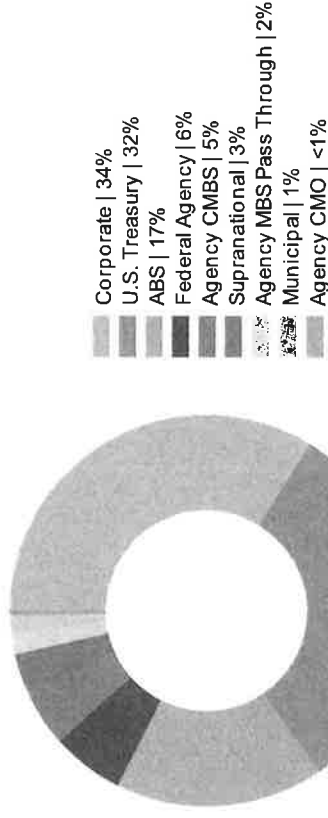
Tab IV

Portfolio Snapshot - BREVARD COUNTY LONG TERM¹

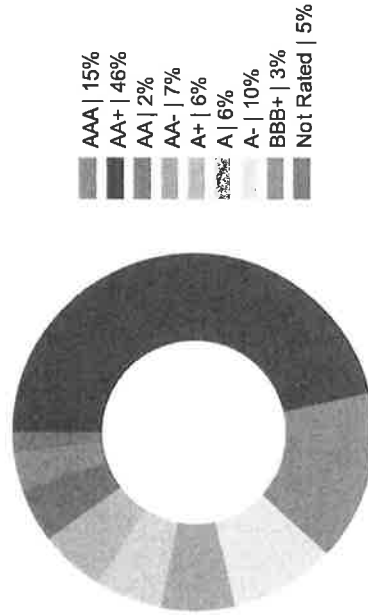
Portfolio Statistics

Total Market Value	\$367,177,127.02
Securities Sub-Total	\$366,215,277.94
Accrued Interest	\$961,849.08
Cash	\$0.00
Portfolio Effective Duration	1.70 years
Benchmark Effective Duration	1.76 years
Yield At Cost	1.51%
Yield At Market	4.19%
Portfolio Credit Quality	AA

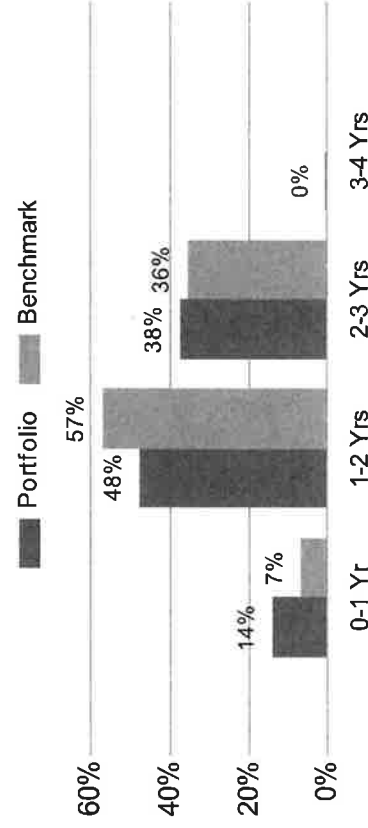
Sector Allocation



Credit Quality - S&P



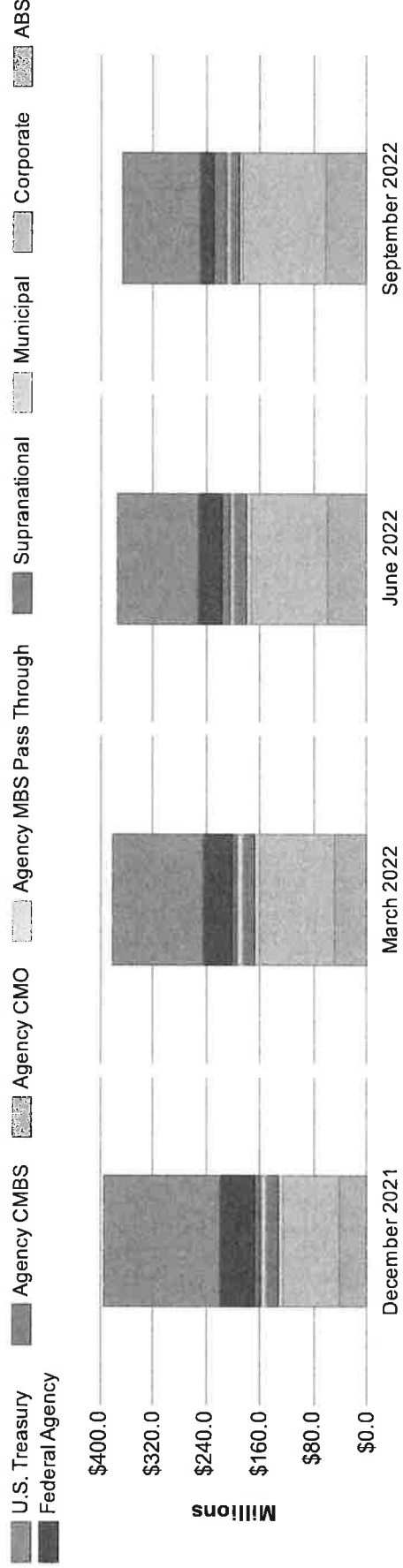
Duration Distribution



1. Yield and duration calculations exclude cash and cash equivalents. Sector allocation includes market values and accrued interest. The portfolio's benchmark is the ICE BofAML 1-3 Year U.S. Treasury Index. Source: Bloomberg. An average of each security's credit rating was assigned a numeric value and adjusted for its relative weighting in the portfolio.

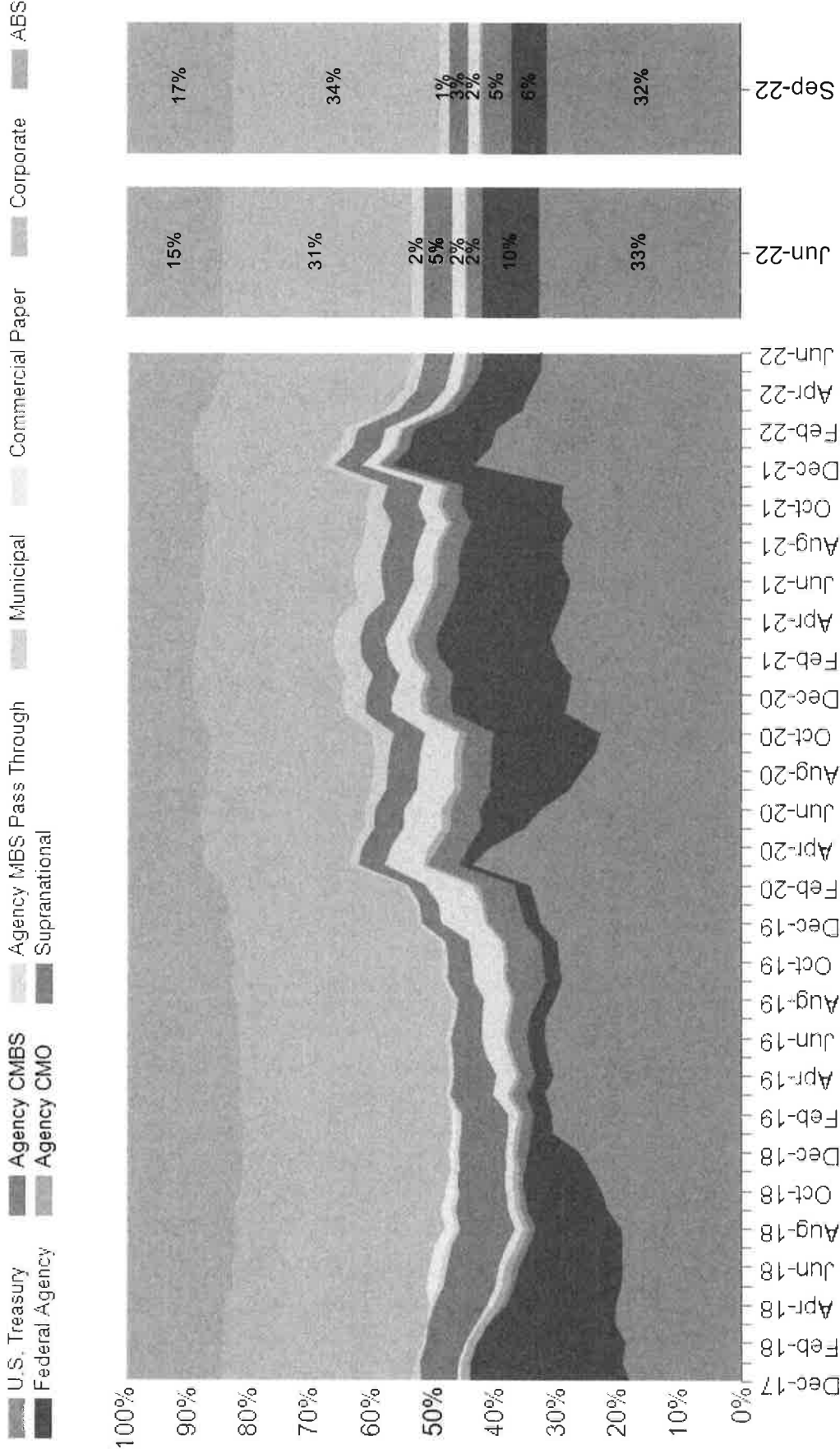
Sector Allocation Review - BREVARD COUNTY LONG TERM

Security Type	Dec-21	% of Total	Mar-22	% of Total	Jun-22	% of Total	Sep-22	% of Total
U.S. Treasury	\$174.2	44.1%	\$138.1	36.0%	\$123.0	32.8%	\$115.3	31.5%
Federal Agency	\$51.6	13.1%	\$42.1	11.0%	\$36.0	9.6%	\$22.1	6.0%
Agency CMBS	\$7.5	1.9%	\$7.0	1.8%	\$9.1	2.4%	\$17.7	4.8%
Agency CMO	\$2.0	0.5%	\$1.8	0.5%	\$1.6	0.4%	\$1.4	0.4%
Agency MBS Pass Through	\$9.5	2.4%	\$8.3	2.2%	\$7.6	2.0%	\$6.6	1.8%
Supranational	\$17.7	4.5%	\$17.3	4.5%	\$17.2	4.6%	\$11.7	3.2%
Municipal	\$7.7	2.0%	\$7.5	2.0%	\$7.5	2.0%	\$4.9	1.4%
Corporate	\$83.3	21.2%	\$112.0	29.3%	\$115.7	30.8%	\$123.8	33.8%
ABS	\$40.6	10.3%	\$48.7	12.7%	\$57.6	15.4%	\$62.6	17.1%
Total	\$394.0	100.0%	\$382.8	100.0%	\$375.2	100.0%	\$366.2	100.0%



Market values, excluding accrued interest. Only includes fixed-income securities held within the separately managed account(s) and LGIPs managed by PFMAM. Detail may not add to total due to rounding.

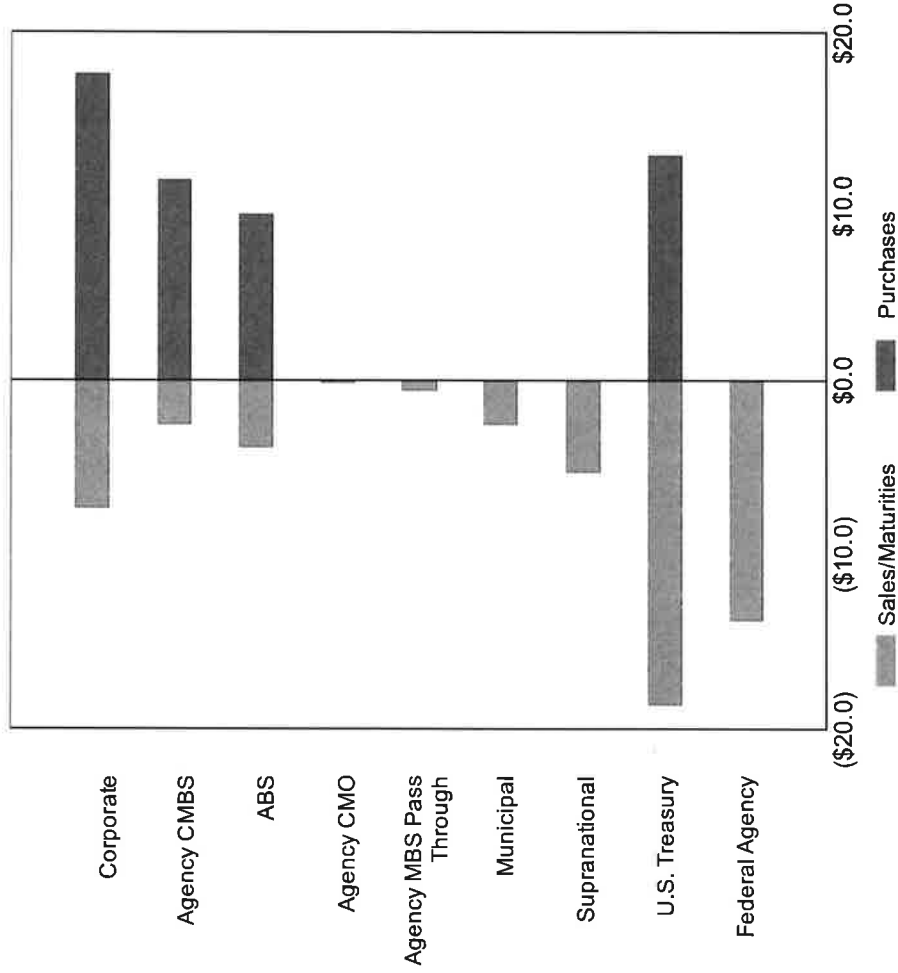
Historical Sector Allocation - BREVARD COUNTY LONG TERM



Only includes fixed-income securities held within the separately managed account(s) and LGIPs managed by PFMAM.

Portfolio Activity - BREVARD COUNTY LONG TERM

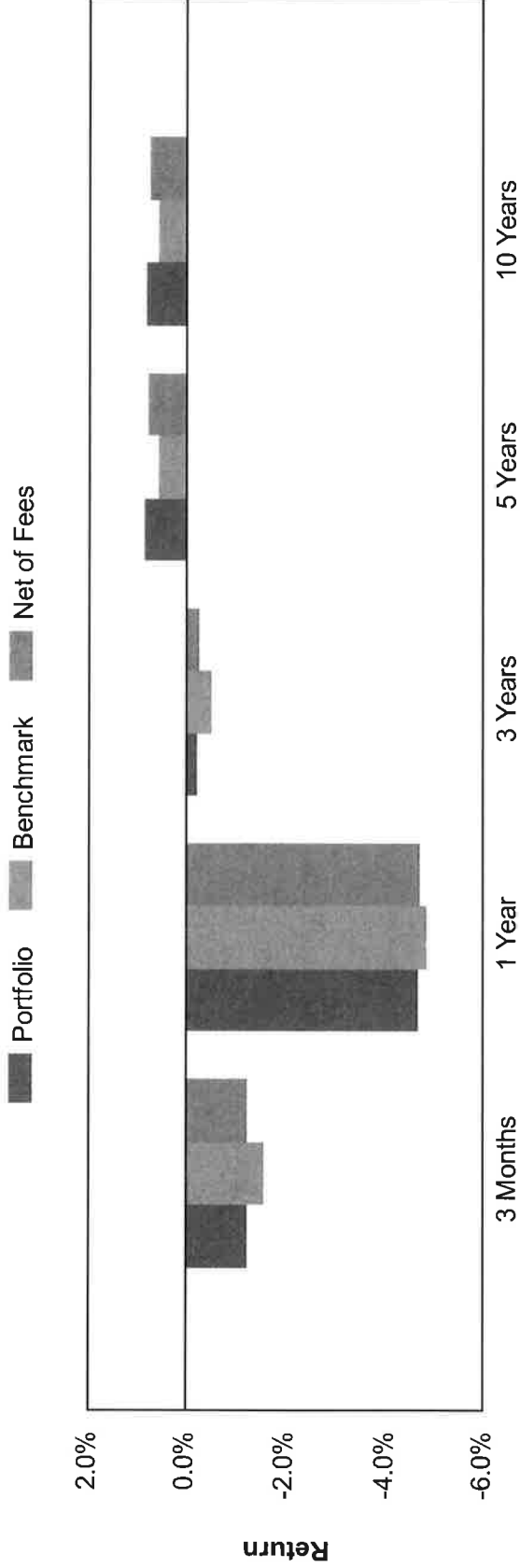
Net Activity by Sector
(\$ millions)



Sector	Net Activity
Corporate	\$10,258,236
Agency CMBS	\$8,935,707
ABS	\$5,645,196
Agency CMO	(\$135,818)
Agency MBS Pass Through	(\$599,906)
Municipal	(\$2,516,845)
Supranational	(\$5,311,357)
U.S. Treasury	(\$5,737,293)
Federal Agency	(\$13,738,362)
Total Net Activity	(\$3,200,442)

Based on total proceeds (principal and accrued interest) of buys, sells, maturities, and principal paydowns. Detail may not add to total due to rounding.

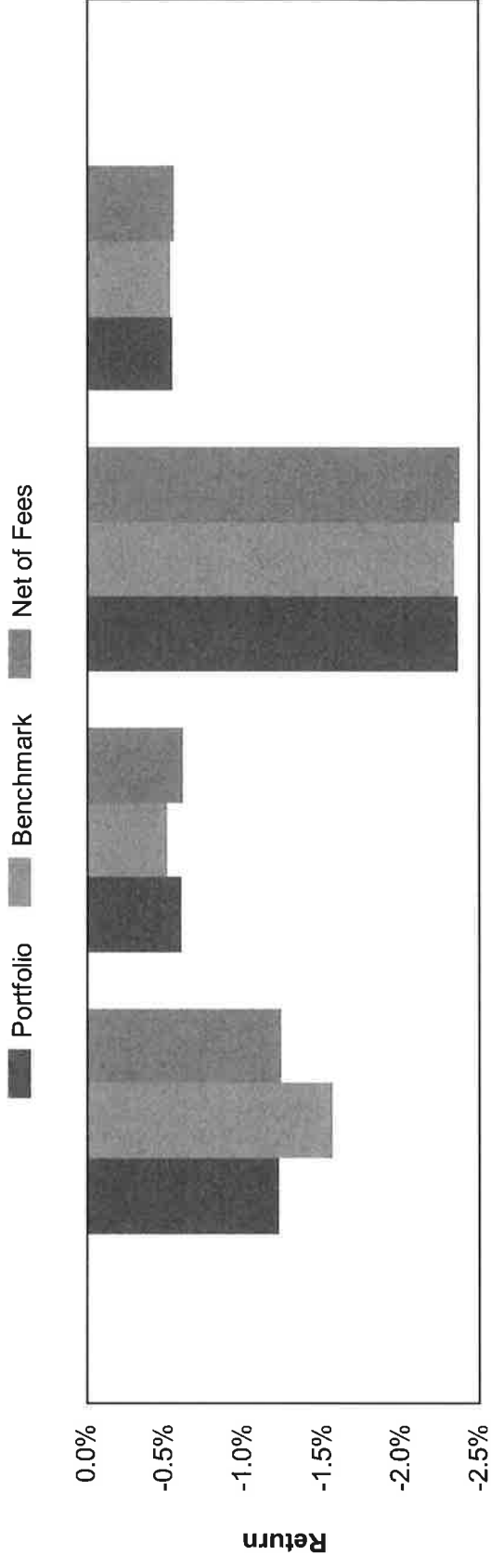
Portfolio Performance



Market Value Basis Earnings	3 Months	1 Year	3 Years	5 Years	10 Years
Interest Earned ²	\$1,258,144	\$3,597,597	\$12,355,862	\$20,677,786	\$31,342,655
Change in Market Value	(\$5,796,945)	(\$21,393,444)	(\$19,885,099)	(\$17,733,267)	(\$20,508,386)
Total Dollar Return	(\$4,538,801)	(\$17,795,847)	(\$7,529,237)	\$2,944,519	\$10,834,269
Total Return³					
Portfolio	-1.22%	-4.65%	-0.20%	0.88%	0.85%
Benchmark ⁴	-1.56%	-4.86%	-0.48%	0.57%	0.60%
Basis Point Fee	0.01%	0.06%	0.06%	0.06%	0.06%
Net of Fee Return	-1.24%	-4.71%	-0.26%	0.81%	0.79%

1. The lesser of 10 years or since inception is shown. Since inception returns for periods one year or less are not shown. Performance inception date is March 31, 2002.
 2. Interest earned calculated as the ending accrued interest less beginning accrued interest, plus net interest activity.
 3. Returns for periods one year or less are presented on a periodic basis. Returns for periods greater than one year are presented on an annualized basis.
 4. The portfolio's benchmark is the ICE BofAML 1-3 Year U.S. Treasury Index. Source: Bloomberg.

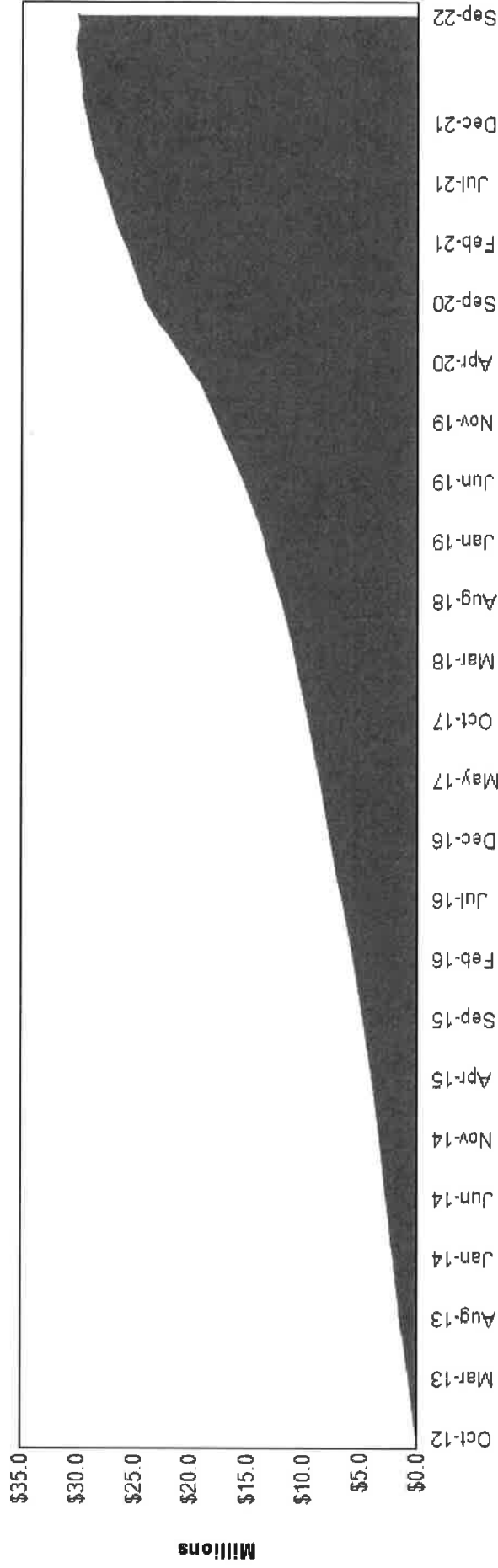
Portfolio Performance



	3Q2022	2Q2022	1Q2022	4Q2021
Market Value Basis Earnings				
Interest Earned ¹	\$1,258,144	\$964,876	\$748,180	\$626,396
Change in Market Value	(\$5,796,945)	(\$3,221,461)	(\$10,023,531)	(\$2,351,508)
Total Dollar Return	(\$4,538,801)	(\$2,256,585)	(\$9,275,351)	(\$1,725,112)
Total Return²				
Portfolio	-1.22%	-0.59%	-2.36%	-0.54%
Benchmark ³	-1.56%	-0.50%	-2.34%	-0.53%
Basis Point Fee	0.01%	0.01%	0.01%	0.01%
Net of Fee Return	-1.24%	-0.61%	-2.38%	-0.56%

1. Interest earned calculated as the ending accrued interest less beginning accrued interest, plus net interest activity.
 2. Returns are presented on a periodic basis.
 3. The portfolio's benchmark is the ICE BofAML 1-3 Year U.S. Treasury Index. Source: Bloomberg.

Accrual Basis Earnings - BREVARD COUNTY LONG TERM



Accrual Basis Earnings	3 Months	1 Year	3 Years	5 Year	10 Year ¹
Interest Earned ²	\$1,258,144	\$3,597,597	\$12,355,862	\$20,677,786	\$31,342,655
Realized Gains / (Losses) ³	(\$1,358,745)	(\$2,008,953)	\$1,741,286	\$819,113	\$1,922,079
Change in Amortized Cost	(\$24,319)	(\$121,012)	(\$848,799)	(\$793,444)	(\$3,121,268)
Total Earnings	(\$124,920)	\$1,467,632	\$13,248,349	\$20,703,455	\$30,143,466

1. The lesser of 10 years or since inception is shown. Performance inception date is March 31, 2002.
 2. Interest earned calculated as the ending accrued interest less beginning accrued interest, plus net interest activity.
 3. Realized gains / (losses) are shown on an amortized cost basis.



**Brevard County
Board of Commissioners
Multi-Asset Class Portfolio**

**Investment Performance Review
For the Quarter Ended September 30, 2022**

Client Management Team

Steven Alexander, CTP, CGFO, CPPT, Managing Director
Khalid Yasin, CIMA, CHP, Director

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Suite 250
Orlando, FL 32801
407-648-2208

PFM Asset Management LLC

1735 Market Street
43rd Floor
Philadelphia, PA 19103

Financial Markets & Investment Strategy Review

QUARTERLY MARKET SUMMARY

	QTD	YTD	1 Year	3 Years	5 Years	7 Years	10 Years
DOMESTIC EQUITY							
S&P 500	-4.88%	-23.87%	-15.47%	8.16%	9.24%	11.40%	11.70%
Russell 3000 Index	-4.46%	-24.62%	-17.63%	7.70%	8.62%	10.90%	11.39%
Russell 1000 Value Index	-5.62%	-17.75%	-11.36%	4.36%	5.29%	8.15%	9.17%
Russell 1000 Growth Index	-3.60%	-30.66%	-22.59%	10.67%	12.16%	13.74%	13.70%
Russell Midcap Index	-3.44%	-24.27%	-19.39%	5.19%	6.48%	8.79%	10.30%
Russell 2500 Index	-2.82%	-24.01%	-21.11%	5.36%	5.45%	8.39%	9.58%
Russell 2000 Value Index	-4.61%	-21.12%	-17.69%	4.72%	2.87%	7.42%	7.94%
Russell 2000 Index	-2.19%	-25.10%	-23.50%	4.29%	3.55%	7.51%	8.55%
Russell 2000 Growth Index	0.24%	-29.28%	-29.27%	2.94%	3.60%	7.12%	8.81%
INTERNATIONAL EQUITY							
MSCIEAFE (Net)	-9.36%	-27.09%	-25.13%	-1.83%	-0.84%	2.84%	3.67%
MSCIAC World Index (Net)	-6.82%	-25.63%	-20.66%	3.75%	4.44%	7.42%	7.28%
MSCIAC World ex USA (Net)	-9.91%	-26.50%	-25.17%	-1.52%	-0.81%	3.29%	3.01%
MSCIAC World ex USA Small Cap (Net)	-8.37%	-29.37%	-28.93%	0.38%	-0.56%	3.98%	4.44%
MSCIEM (Net)	-11.57%	-27.16%	-28.11%	-2.07%	-1.81%	3.88%	1.05%
ALTERNATIVES							
FTSE NAREIT Equity REIT Index	-9.94%	-28.13%	-16.41%	-2.05%	2.93%	4.86%	6.26%
FTSE EPRA/NAREIT Developed Index	-11.39%	-29.41%	-22.09%	-5.62%	0.07%	2.40%	3.77%
Bloomberg Commodity Index Total Return	-4.11%	13.57%	11.80%	13.45%	6.96%	4.49%	-2.14%
FIXED INCOME							
Blimbg. U.S. Aggregate	-4.75%	-14.61%	-14.60%	-3.26%	-0.27%	0.54%	0.89%
Blimbg. U.S. Government/Credit	-4.56%	-15.10%	-14.95%	-3.15%	-0.05%	0.78%	1.02%
Blimbg. Interm. U.S. Government/Credit	-3.06%	-9.63%	-10.14%	-1.64%	0.38%	0.80%	1.00%
Blimbg. U.S. Treasury: 1-3 Year	-1.55%	-4.52%	-5.07%	-0.54%	0.54%	0.55%	0.59%
Blimbg. U.S. Corp: High Yield	-0.65%	-14.74%	-14.14%	-0.45%	1.57%	4.13%	3.94%
Credit Suisse Leveraged Loan Index	1.19%	-3.31%	-2.62%	2.12%	3.00%	3.67%	3.70%
ICE BofAML Global High Yield Constrained (USD)	-2.62%	-18.90%	-19.52%	-2.84%	-0.35%	2.85%	2.91%
Blimbg. Global Aggregate Ex USD	-8.85%	-23.88%	-24.77%	-7.78%	-4.03%	-1.69%	-2.39%
JPM EMBI Global Diversified	-4.57%	-23.95%	-24.28%	-7.15%	-2.62%	0.90%	1.08%
CASH EQUIVALENT							
90 Day U.S. Treasury Bill	0.46%	0.61%	0.62%	0.59%	1.15%	0.94%	0.67%

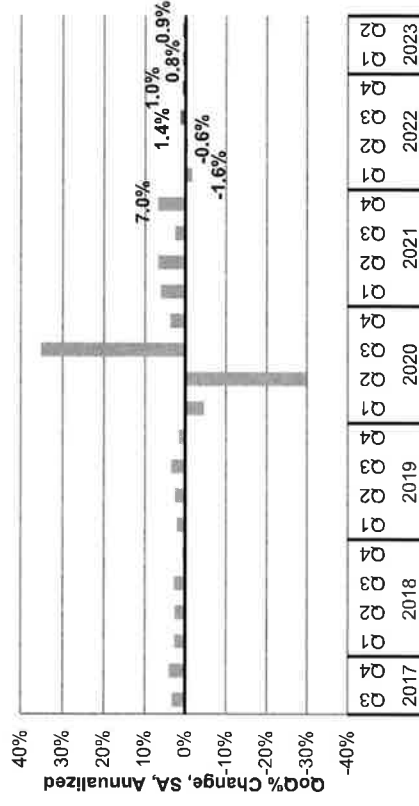
Source: Investment Metrics. Returns are expressed as percentages. Please refer to the last page of this document for important disclosures relating to this material.

QUARTERLY MARKET SUMMARY

THE ECONOMY

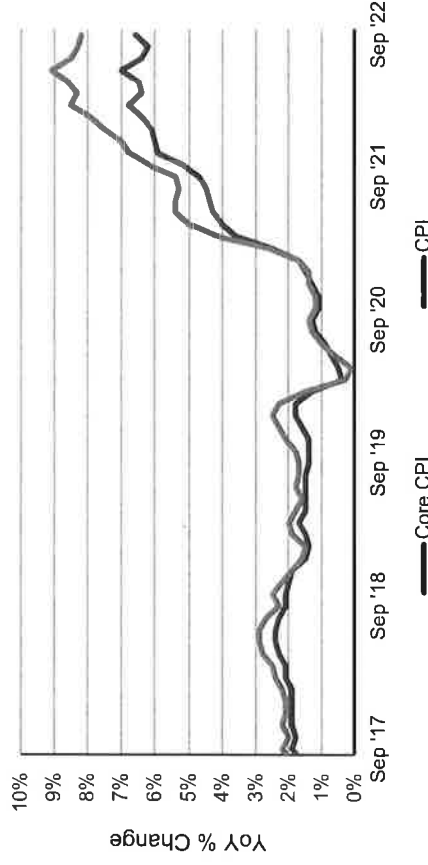
- ▶ Over the third quarter, annual inflation slowed to 8.2% in September, after hitting a high of 9.1% in June. While the overall level of inflation has come down, the core inflation rate, which excludes more volatile food and energy, advanced to a 40-year high in September, underscoring persistent, elevated inflation that's squeezing households. The core consumer price index was up 6.6% from a year ago, the highest level since 1982. Europe also saw its struggle with record-breaking inflation continue through the quarter, ending with a 10% preliminary annual inflation rate as energy prices rose 40.8% year-over-year.
- ▶ The Federal Reserve (Fed) raised rates a total of 1.5% during the quarter, with expectations for further increases in the coming quarter. The Fed has buckled down on doing what it takes to combat inflation, painting a bleak picture for the path forward of interest rates. While market expectations for the Fed funds rate have risen to an increased likelihood of a 75 basis point (bps) rate hike at the November Federal Open Market Committee (FOMC) meeting and a 75 bps rate hike at the December meeting. The European Central Bank, the Bank of England and various other central banks also continued to raise rates during the quarter as they worked to control inflation in their domestic markets.
- ▶ U.S. labor markets remained strong during the quarter, ending with an unemployment rate of 3.5% in September after edging up slightly in August. Over the quarter, the U.S. economy added 1,115,000 jobs to non-farm payrolls, 86,000 more than the previous quarter, as employment remains approximately 500,000 higher than its pre-pandemic level. This, along with a low labor-force participation rate and aging demographic trends, continues to keep upward pressure on wages, contributing to the heightened inflation the U.S. faces.
- ▶ Due to the monetary tightening by the Fed, mortgage rates saw a dramatic rise during the quarter, cooling the hot housing market. U.S. mortgage rates advanced to a fresh 16-year high of 6.81%, extending a rapid ascent in borrowing costs that are seen as dealing a bigger blow to the housing market. As rates rose, sales declined, with August marking the seventh straight month of declines in home sales. At 4.8 million, it is the lowest reading since May 2020.

U.S. Real GDP Growth
Seasonally Adjusted (SA)



Source: Bloomberg. Light blue bars indicate actual numbers; dark blue bars indicate forecasted estimates.

U.S. Inflation Rate



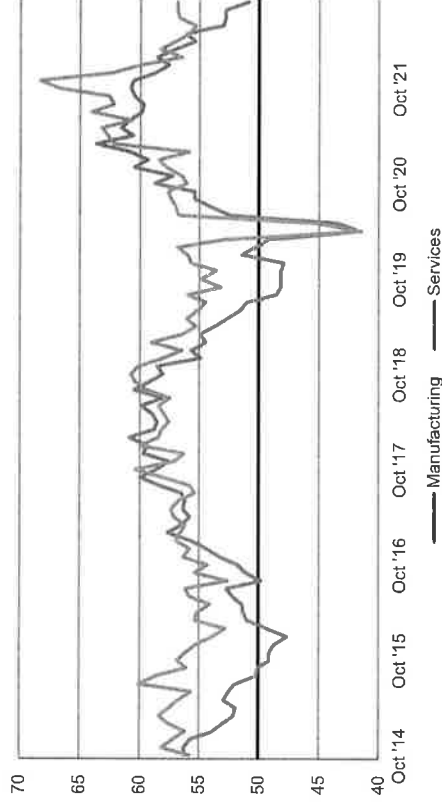
Source: Bureau of Labor Statistics.

QUARTERLY MARKET SUMMARY

WHAT WE'RE WATCHING

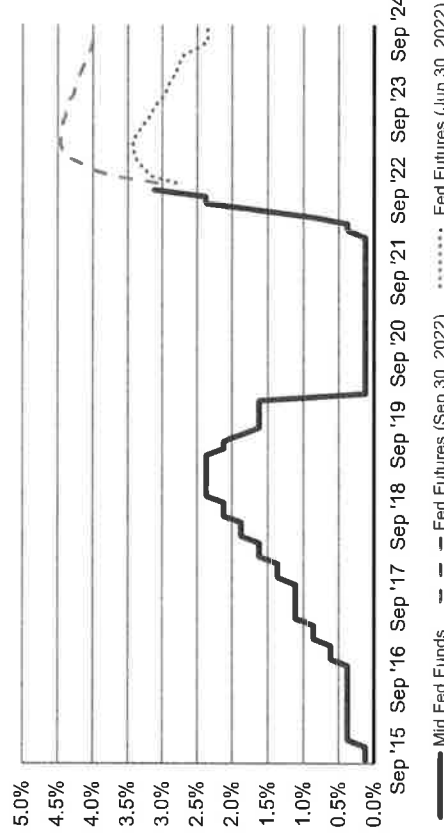
- ▶ While the U.S. and other major economies continue to raise rates to control inflation while balancing the risk of recession domestically, concerns grow about the possibility of a recession globally. The UN Conference on Trade and Development is calling for a reverse course on raising rates, stating that it is leading the world into a global recession and prolonged stagnation. Fed Chair Jerome Powell stated, "We are very aware of what's going on in other economies around the world, and what that means for us, and vice versa," but did not indicate any plans to reverse the policy.
- ▶ The IMF downwardly revised their outlook for 2023 global economic growth, predicting a greater slowdown than previously expected. The IMF revised the world GDP growth down 20 bps from its July estimate to 2.7%. The report found that more than a third of the global economy will see two consecutive quarters of negative growth. Major roadblocks to growth like the Russian invasion of Ukraine, China's economic slowdown, and the cost-of-living crisis in many countries, are not expected to resolve soon.
- ▶ As the Fed works to control inflation, the consumer sentiment index increased to a five-month high, rising to 58.6 and showing improvement from June's 50 reading, but still significantly below last September's 72.8. The low consumer sentiment across the income distribution has been consistent for the past six months, underscoring the shared concerns about inflation pressures. Retail sales figures also suggest there may be more gloomy outlooks despite sentiment readings, as September's consumer spending was flat as prices moved sharply higher.
- ▶ The continued energy disruptions and high prices that have added fuel to the fire of inflation show no signs of slowing. The relief some consumers feel after gas fell from a record \$5.02 per gallon may be short-lived. Prices are expected to rise as the OPEC and its allies agreed to slash output by two million barrels a day, a move likely to push up already-high global energy prices and help oil-exporting Russia pay for its war in Ukraine. The U.S. Energy Information Administration also projected U.S. consumers would be paying up to 28% more to heat their homes this winter, on top of even higher increases last year where consumers felt a bigger pinch with fuels such as heating oil jumping more than 50%.

ISM Manufacturing & Services PMI



Source: Bloomberg.

Federal Funds Target Rate



Source: Bloomberg.

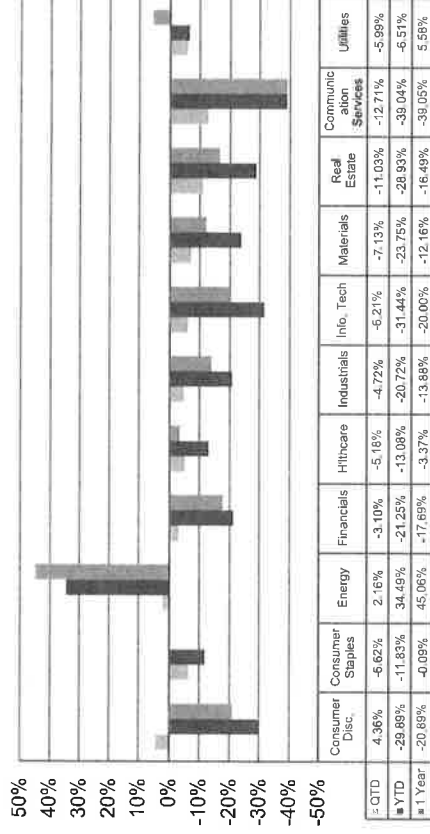
QUARTERLY MARKET SUMMARY

DOMESTIC EQUITY

- ▶ The S&P 500 Index (S&P) posted a negative return of -4.88% for the quarter as markets continued to digest hawkish sentiment from the Fed and their commitment to raise rates and bring inflation down.
- ▶ During a quarter where consumers saw the price of oil decrease and Congress passed the Inflation Reduction Act, the U.S. Consumer Confidence Index saw increases for two consecutive months in August and September, after being at its lowest level in over a year in July.
- ▶ Within S&P, nine of 11 sectors ended with negative returns for the quarter. Communication Services (-12.71%), Real Estate (-11.03%) and Materials (-7.13%) were the worst-performing sectors. The two sectors that ended positively for the quarter were Consumer Discretionary (4.36%) and Energy (2.16%). Year-to-date (YTD), Energy (34.49%) is the only positive performing sector, with Communication Services (-39.04%), Information Technology (-31.44%) and Consumer Discretionary (-29.89%) being the largest detractors.

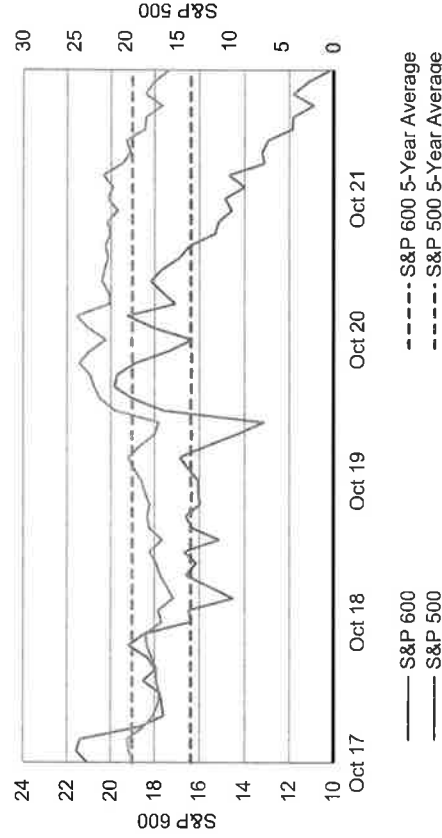
- ▶ Value stocks, as represented by the Russell 1000 Value Index, returned -5.62%, underperforming growth stocks, as represented by the Russell 1000 Growth Index, which returned -3.60%. Over the trailing 12 months, the value index has outperformed the growth index by 1123 bps (-11.36% vs. -22.59%).
- ▶ Small-caps, as represented by the S&P 600 Index, returned -5.21% during the quarter, underperforming mid- and large-caps while the Russell 2000, returned -2.19% during the quarter, outperforming mid- and large-caps. The Russell Midcap and Russell 1000 indices returned -3.44% and -4.61%, respectively.
- ▶ According to FactSet Earnings Insight, the expected earnings growth rate for the S&P for the quarter is 2.9%. If 2.9% is the actual growth rate for the quarter, it will mark the lowest earnings growth rate reported by the index since the third quarter of 2020 (-5.7%). Additionally, according to FactSet Earnings Insight, the Energy sector is expected to be the largest contributor to earnings growth for the S&P for the third quarter. If this sector were excluded, the index would be expected to report a decline in earnings of 3.4% rather than a growth in earnings of 2.9%.

S&P 500 Index Performance by Sector
Periods Ended September 30, 2022



Source: Bloomberg.

P/E Ratios of Major Stock Indices*



Source: Bloomberg.

*P/E ratios are calculated based on one-year forward estimates and adjusted to include only positive earnings results for consistency.

QUARTERLY MARKET SUMMARY

NON-U.S. EQUITY

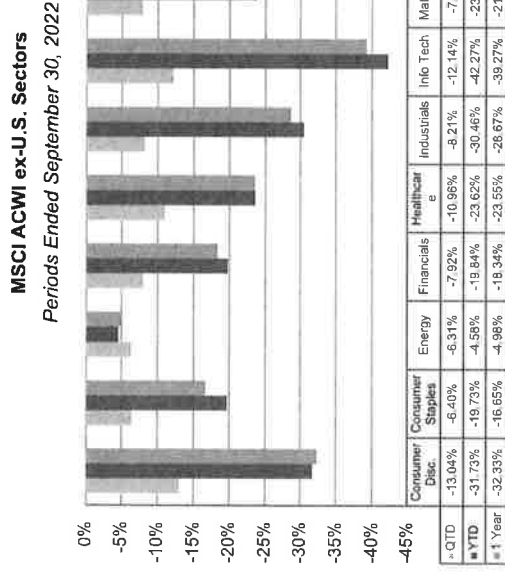
► Equity markets outside of the United States, as measured by the MSCI ACWI ex-U.S. Index, underperformed their U.S. counterparts, returning -9.91% for the quarter. All 11 sectors posted negative returns for the quarter. Energy was the best-performing sector returning -6.31%, followed by Consumer Staples (-6.40%) and Materials (-7.86%), while Communication Services was the worst-performing sector returning -16.47%. The strong dollar remains a headwind to international equity returns this quarter due to the negative impact of currency translation. Rising inflation and slowing growth weighed heavily on the market returns.

► Emerging markets (EM), as represented by MSCI Emerging Market Index, underperformed Developed ex-U.S. Markets, represented by the MSCI EAFE Index, returning -11.57% versus -9.36% for the quarter.

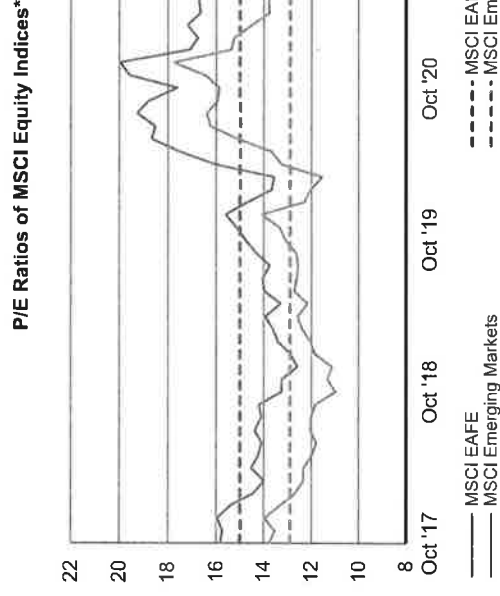
► MSCI Europe (-10.11%) underperformed the MSCI EAFE Index, as the Russian gas supply disruption exacerbated price pressures and hindered the European Central Bank's efforts to combat inflation. MSCI Japan, on the other hand, fared better than the MSCI EAFE Index, returning -7.52%. Within EM, EM Latin America (+3.72%) was the top-performing region, benefitting from Brazil's strong return of +8.68% as the country nears the end of its tightening cycle and demand for commodities stays elevated. EM Asia and EM Europe dragged the index down with quarterly returns of -13.87% and -12.09%, respectively.

► Value stocks underperformed growth stocks for the quarter, as represented by the broad benchmark, a reversal of the trend observed during the first half of the year. MSCI AC World ex-USA Value returned -10.44%, while MSCI AC World ex-USA Growth returned -9.37%. Within EM, value continued to outperform growth returning -10.77% versus -12.09%.

► Small-caps, as represented by MSCI ACWI ex-U.S. Small Cap Index, outperformed within the international equity markets, returning -8.37%.



Source: Bloomberg.



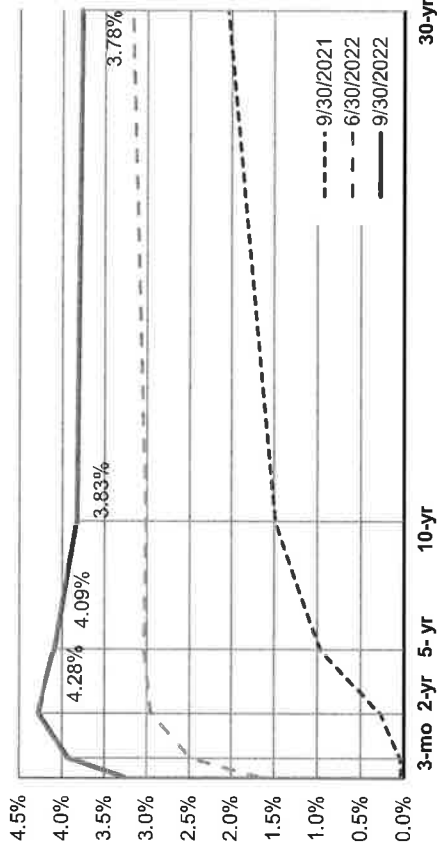
Source: Bloomberg.

*P/E ratios are calculated based on one-year forward estimates and adjusted to include only positive earnings results for consistency.

FIXED INCOME

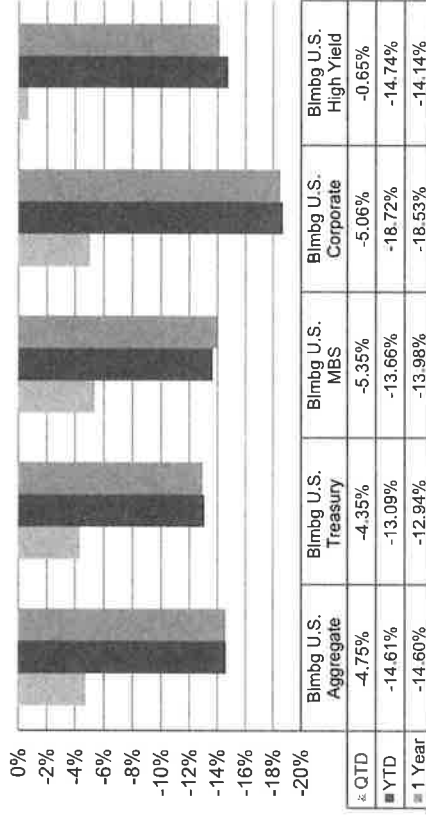
- ▶ The U.S. bond market, represented by the Bloomberg U.S. Aggregate (Aggregate) Index, continued its sharply negative streak in the third quarter, this time with a 4.75% loss. YTD the Aggregate has lost 14.61% through September.
- ▶ The treasury market sold off again as the Fed took another hawkish tone at the Jackson Hole summit. The front end of the curve continued to rise on Fed hikes. The back end also rose, especially in late September. Yields on the 2- and 5-year treasuries rose over 100 bps each. Further out the curve, the 10-year briefly touched a 4.00% mark before falling back to 3.83%. Meanwhile, the 30-year increased, settling with a 3.79% yield, with an inverted slope versus the 2- and 10-year tenors. The Bloomberg U.S. Treasury Index lost 4.35% in total return for the quarter.
- ▶ Corporate credit was mixed as the investment-grade (IG) Bloomberg U.S. Corporate Index lost 5.06%, while high yield bonds, as represented by the Bloomberg U.S. Corporate High Yield (HY) Index, had a much more mild loss at just -0.65% as credit spreads tightened in the BB and B-rated quality. Floating rate leverage loans gained 1.19% as measured by the Credit Suisse Leveraged Loan Index.

U.S. Treasury Yield Curve



Source: Bloomberg.

Returns for Fixed-Income Segments
Periods Ended September 30, 2022



Source: Bloomberg. "Bimbg BC" is Bloomberg Barclays.

- ▶ The fixed-rate mortgage market, as measured by the Bloomberg U.S. Mortgage-Backed Securities (MBS) Index, had another weak quarter, down 5.35%. On the commercial side, the Bloomberg U.S. Agency CMBS Index fell 4.64%.
- ▶ EM USD sovereign bonds, as represented by the JP Morgan EMBI Global Diversified Index, lost 4.57% as inflation and COVID-19 continue to disturb markets. During the quarter, Asian markets sold off the most, down 5.98%, while Africa and Middle East sub-indices performed best.

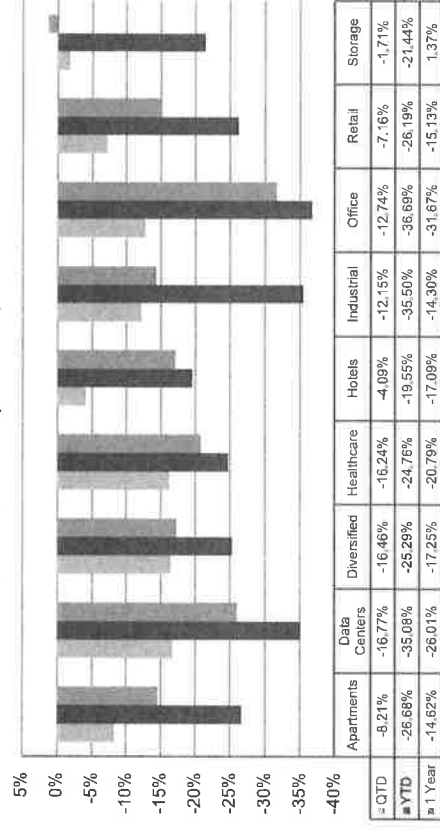
QUARTERLY MARKET SUMMARY

ALTERNATIVES

- ▶ REITs, as measured by the FTSE NAREIT Equity REITs Index, returned -9.94% in the third quarter of 2022, compared to -17.00% in the prior quarter. All major sectors posted negative returns during the third quarter. The poor returns resulted from increasing odds of recession and rapidly rising interest rates. The best performers were the Self-Storage and Lodging/Resorts sectors, which posted returns of -1.71% and -4.09%, respectively. The Data Centers sector returned -16.77% and was the worst performer during the quarter.
- ▶ Private real estate, as measured by the NCREIF Property Index, gained 3.23% in the second quarter of 2022, resulting in a 21.50% return over the twelve-month period ended June 2022. Industrial properties continued to be the top-performing sector, with a total return of 5.86% in the second quarter, comprised of 0.78% in income return and 5.08% in appreciation return. Office properties were the worst performers, although the sector still posted a positive total return of 0.58%, comprised of 1.08% in income return and -0.50% in appreciation return.
- ▶ Hedge fund returns were mixed in the third quarter of 2022, with the HFRI Fund Weighted Composite Index returning -0.58%. During the same period, the HFRI Macro (Total) Index, which benefited from recent market volatility, gained 2.21%. The HFRI Equity Hedge (Total) Index and the HFRI Fund of Funds Index returned -2.34% and 0.73%, respectively.
- ▶ In the second quarter of 2022, private capital fundraising was led by private equity funds, which closed on \$137.25 billion, followed by \$54.62 billion raised by private debt funds, \$47.96 billion raised by real assets funds, and \$29.35 billion raised by private real estate funds. Global private equity dry powder, which accounts for the bulk of private capital dry powder, remains high at \$1.24 trillion as of June 2022. According to Cambridge Associates, U.S. private equity generated a return of 22.65% for the 5 years ended Q1 2022. According to Cliffwater Direct Lending Index, U.S. middle market loans, a proxy for private debt, generated a return of 8.32% for the 5 years ended Q2 2022.
- ▶ Commodity futures, represented by the Bloomberg Commodity Total Return Index, fell 4.11% in the third quarter of 2022. The U.S. Dollar Index (DXY) gained 7.10% over the same period and reached multi-year highs. Gold spot price finished the quarter at \$1,660.61 per ounce, an 8.12% decline over that period. The West Texas Intermediate (WTI) Crude Oil spot price fell 24.84% from \$105.76 to \$79.49 per barrel during the third quarter as fears of a global economic downturn outweighed supply concerns.

FTSE NAREIT Sectors

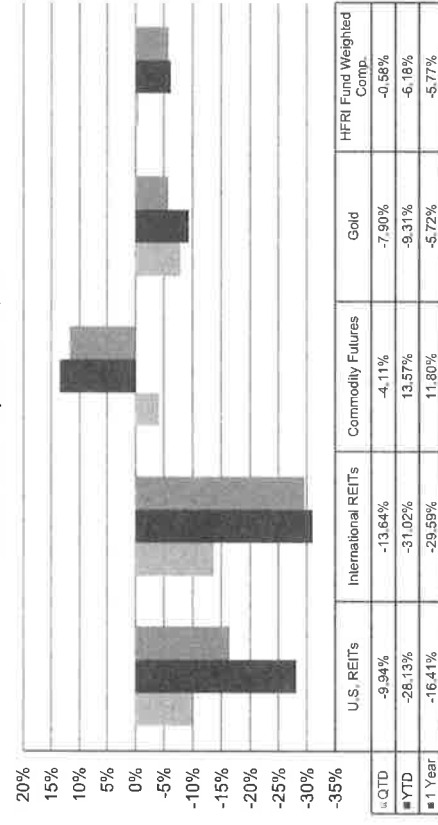
Periods Ended September 30, 2022



Source: Bloomberg.

Returns for Alternative Assets

Periods Ended September 30, 2022



Sources: Bloomberg and Hedge Fund Research, Inc.

QUARTERLY MARKET SUMMARY

Investment Strategy Overview

Asset Class	Our Q4 2022 Investment Outlook	Comments
U.S. Equities Large-Caps Mid-Caps Small-Caps		<ul style="list-style-type: none"> Uncertainty around Fed's rate hike cycle has led to higher uncertainty in the equity markets. Given the recent sell-off, domestic equities could be closer to the bottom of this cycle. Slowing economic growth and tightening financial conditions is impacting earnings growth expectations. We are closely watching earnings expectations for sustained deterioration. Valuations for small- and mid-caps look relatively attractive supported by earnings growth and domestically oriented revenue exposure.
Non-U.S. Equities Developed Markets Emerging Markets International Small-Caps		<ul style="list-style-type: none"> International equities continue to trade at a discount to U.S. equities, but concerns over the outlook for European economies amidst higher inflation and energy disruption points to a possible recession in the region. China's focus on zero COVID policy at a time of slowing growth continues to weigh on the equity market returns. Other EM economies are being negatively impacted by a stronger dollar and/or higher food/energy inflation. International small caps provide exposure to local revenue streams and have been shown to add alpha over core benchmark over long-term. In the near-term, higher exposure to negative earnings is a headwind.
Fixed Income Long-Duration, Interest Rate-Sensitive Sectors Credit-Sensitive Sectors		<ul style="list-style-type: none"> High inflation and slowing economic growth weigh on the Fed rate hike path, leading to higher uncertainty for interest rates in the U.S. Corporate spreads have widened over the course of this year, but credit markets remain attractive relative to interest rate sensitive fixed income due to strong corporate fundamentals. We continue to seek diversified credit exposure and are closely watching signs for any distress in the corporate credit space.
Alternatives Real Estate Private Equity Private Debt Commodities		<ul style="list-style-type: none"> Reasonable valuations and income potential that acts as inflation-hedge are positives for real estate but economic slowdown is a negative. Private equity and debt strategies can complement multi-asset class portfolios by providing access to attractive opportunities during periods of disruption but will be impacted by rising rates and any distress in credit markets. While prices have recently pulled back in reaction to slowing demand, some commodity exposure helps to hedge unexpected inflation

● Current outlook ○ Outlook one quarter ago

Negative Slightly Negative Neutral Slightly Positive Positive

QUARTERLY MARKET SUMMARY

Factors to Consider Over the Next 6-12 Months

Monetary Policy:



- The Fed has stated its intention to focus on bringing down inflation at the cost of economic growth.
- Uncertainty around the rate hike path is weighing on risk assets.
- Globally, inflation continues to drive most central banks towards hiking rates.

Economic Growth:



- Risk of recession in the next 12-18 months is rising as hawkish monetary policy impacts economic activity.
- Relative stable consumer and strong corporate balance sheets along with tight labor markets could lead to a shallow recession.

Inflation:



- Recent inflation figures surprised to the upside while underlying components have shown easing, leading us to believe that inflation will moderate over the next few months.
- Overly aggressive monetary policy is driven by inflation remains a risk to the economy and asset prices.

COVID-19 Containment:



- Pockets of vulnerability remain as new strains spread but we believe we are transitioning from pandemic to endemic.
- China's COVID zero policy has been a drag on already slowing Chinese economy.

Consumer Spending (U.S.):



- Consumer sentiment recently recovered from an all-time low.
- Consumer balance sheets are deteriorating with falling saving rates leading to a greater impact on spending if high inflation were to sustain.

Labor Markets:



- Labor markets remain relatively strong but softening as evidenced by slower wage growth.
- Labor force participation rate is expected to go up as higher inflation weighs on consumers' real disposable income.

Corporate Fundamentals:



- Earnings growth expectations have slowed. Impact of rising input costs, stronger dollar and higher inflation has led to slightly lower profit margins but overall profit margin levels are still high.

Valuations:



- Equities look attractive across the board after the recent sell-off, but elevated downside risks lead to a cautious approach.
- Credit markets look attractive after recent spread widening, but pockets of vulnerabilities will appear as financial conditions tighten.

Political Risks:



- Political risks remain elevated with the ongoing war in Ukraine. In the near-term, the threat of continued war with some spillover effects is negative to risk assets.
- Tensions between the U.S. and China are rising again.

● **Current outlook** ○ **Outlook one quarter ago**

Stance Unfavorable to Risk Assets

Negative **Slightly Negative**

Neutral **Slightly Positive** **Positive**

Stance Favorable to Risk Assets

Statements and opinions expressed about the next 6-12 months were developed based on our independent research with information obtained from Bloomberg. The views expressed within this material constitute the perspective and judgment of PFM Asset Management LLC at the time of distribution (9/30/2022) and are subject to change. Information is obtained from sources generally believed to be reliable and available to the public; however, PFM Asset Management LLC cannot guarantee its accuracy, completeness, or suitability.

Plan Performance Review

Brevard County Board of County Commissioners Multi-Asset Class Portfolio

As of September 30, 2022

Asset Allocation & Performance

	Allocation		Performance(%)					Inception Date	
	Market Value (\$)	%	1 Quarter	Year To Date	1 Year	3 Years	5 Years		Since Inception
Total Fund	41,193,042	100.00	-6.03	-22.51	-18.79	2.71	N/A	4.30	11/01/2018
<i>Blended Benchmark</i>			<i>-5.76</i>	<i>-21.54</i>	<i>-18.15</i>	<i>2.03</i>	<i>N/A</i>	<i>4.22</i>	<i>11/01/2018</i>
Domestic Equity	16,418,215	39.86	-5.27	-25.22	-18.63	7.89	N/A	8.74	11/01/2018
PFM Multi-Manager Domestic Equity Fund	16,418,215	39.86	-5.10	-24.71	-17.97	7.38	N/A	8.60	11/01/2018
<i>Russell 3000 Index</i>			<i>-4.46</i>	<i>-24.62</i>	<i>-17.63</i>	<i>7.70</i>	<i>8.62</i>	<i>8.73</i>	<i>11/01/2018</i>
Vanguard Total Stock Market ETF - 62.7%			-4.44	-24.87	-18.00	7.58	8.55	5.14	02/01/2020
<i>Russell 3000 Index</i>			<i>-4.46</i>	<i>-24.62</i>	<i>-17.63</i>	<i>7.70</i>	<i>8.62</i>	<i>5.25</i>	<i>02/01/2020</i>
Vaughan Nelson Select - 11.5% (^)			-4.45	-21.09	-10.51	12.46	N/A	13.16	11/01/2018
Nuance All Cap Value - 9.1% (^)			-8.50	-16.92	-13.28	4.60	N/A	8.06	11/01/2018
<i>Russell 3000 Index</i>			<i>-4.46</i>	<i>-24.62</i>	<i>-17.63</i>	<i>7.70</i>	<i>8.62</i>	<i>8.73</i>	<i>11/01/2018</i>
Aristotle Atlantic Core Equity - 7.2% (^)			-4.95	-26.69	N/A	N/A	N/A	-24.47	11/01/2021
<i>Russell 3000 Index</i>			<i>-4.46</i>	<i>-24.62</i>	<i>-17.63</i>	<i>7.70</i>	<i>8.62</i>	<i>-22.84</i>	<i>11/01/2021</i>
Champlain Mid Cap Core - 4.2% (^)			-4.05	-30.81	-26.30	6.67	N/A	8.69	11/01/2018
<i>S&P MidCap 400</i>			<i>-2.46</i>	<i>-21.52</i>	<i>-15.25</i>	<i>6.01</i>	<i>5.82</i>	<i>6.60</i>	<i>11/01/2018</i>
Jacobs Levy Small Cap - 4.6% (^)			-7.71	-23.99	-16.07	10.92	N/A	8.18	05/01/2019
<i>S&P SmallCap 600</i>			<i>-5.20</i>	<i>-23.16</i>	<i>-18.83</i>	<i>5.48</i>	<i>4.84</i>	<i>4.14</i>	<i>05/01/2019</i>
International Equity	7,400,708	17.97	-10.34	-31.50	-29.79	-1.79	N/A	0.25	11/01/2018
PFM Multi-Manager International Equity Fund	7,400,708	17.97	-10.23	-30.49	-28.60	-2.15	N/A	0.00	11/01/2018
<i>MSCI AC World ex USA (Net)</i>			<i>-9.91</i>	<i>-26.50</i>	<i>-25.17</i>	<i>-1.52</i>	<i>-0.81</i>	<i>0.68</i>	<i>11/01/2018</i>
iShares Core MSCI Total Intl Stock ETF - 36.1%			-10.53	-27.21	-25.75	-1.40	-0.77	-3.75	02/01/2020
<i>MSCI AC World ex USA (Net)</i>			<i>-9.91</i>	<i>-26.50</i>	<i>-25.17</i>	<i>-1.52</i>	<i>-0.81</i>	<i>-3.83</i>	<i>02/01/2020</i>
WCM Focused Growth International - 6.9% (^)			-7.09	-35.80	-32.19	N/A	N/A	1.87	12/01/2019
<i>MSCI AC World ex USA (Net)</i>			<i>-9.91</i>	<i>-26.50</i>	<i>-25.17</i>	<i>-1.52</i>	<i>-0.81</i>	<i>-3.09</i>	<i>12/01/2019</i>
Ninety One Intl Dynamic Equity - 12.1% (^)			-9.05	-29.40	N/A	N/A	N/A	-26.62	12/01/2021
<i>MSCI AC World ex USA (Net)</i>			<i>-9.91</i>	<i>-26.50</i>	<i>-25.17</i>	<i>-1.52</i>	<i>-0.81</i>	<i>-23.46</i>	<i>12/01/2021</i>
Acadian Non-U.S. Equity - 17.1% (^)			-7.65	-24.50	-21.64	N/A	N/A	-1.52	01/01/2020
<i>MSCI EAFE (net)</i>			<i>-9.36</i>	<i>-27.09</i>	<i>-25.13</i>	<i>-1.83</i>	<i>-0.84</i>	<i>-4.76</i>	<i>01/01/2020</i>
Aristotle International Equity - 17.1% (^)			-8.46	-30.24	-26.38	-1.08	N/A	1.60	11/01/2018
<i>MSCI EAFE (net)</i>			<i>-9.36</i>	<i>-27.09</i>	<i>-25.13</i>	<i>-1.83</i>	<i>-0.84</i>	<i>0.36</i>	<i>11/01/2018</i>

Returns are net of mutual fund fees and are expressed as percentages.
 Blended Benchmark: See historical hybrid composition page for details. Asset class level returns may vary from individual underlying manager returns due to cash flows.
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Brevard County Board of County Commissioners Multi-Asset Class Portfolio

As of September 30, 2022

Asset Allocation & Performance

	Allocation		Performance(%)						
	Market Value (\$)	%	1 Quarter	Year To Date	1 Year	3 Years	5 Years	Since Inception	Inception Date
Kayne Anderson International Small Cap - 0.9% (^)			-14.86	-41.32	-40.25	N/A	N/A	N/A	05/01/2021
MSCI AC World ex USA Small Cap (Net)			-8.37	-29.37	-28.93	0.38	-0.56	-20.49	05/01/2021
Schroders Global Emerging Markets - 9.5% (^)			-11.30	-29.49	-31.28	N/A	N/A	-5.06	01/01/2020
MSCI EM (net)			-11.57	-27.16	-28.11	-2.07	-1.81	-6.15	01/01/2020
Other Growth	1,602,411	3.89	-9.72	-27.35	-21.70	N/A	N/A	-7.33	04/01/2021
Cohen & Steers Inst Realty Shares	800,921	1.94	-10.89	-27.43	-15.85	0.37	5.79	-3.20	04/01/2021
Principal RE Securities Inst Fund	801,490	1.95	-8.54	-26.91	-16.16	-0.24	5.12	-3.09	04/01/2021
MSCI US REIT Index			-9.96	-28.26	-16.56	-2.00	2.93	-3.79	04/01/2021
Fixed Income	12,815,029	31.11	-3.71	-14.30	-14.40	-2.89	N/A	0.28	11/01/2018
PFM Multi-Manager Fixed Income Fund	12,815,029	31.11	-3.70	-14.41	-14.52	-2.78	N/A	0.34	11/01/2018
Blmbg. U.S. Aggregate			-4.75	-14.61	-14.60	-3.26	-0.27	0.17	11/01/2018
PGIM Core Fixed - 35.0% (^)			-4.63	-15.50	-15.42	-2.95	N/A	0.56	11/01/2018
TIAA Core Fixed - 35.0% (^)			-4.24	-14.78	-14.90	-2.50	N/A	0.80	11/01/2018
Blmbg. U.S. Aggregate			-4.75	-14.61	-14.60	-3.26	-0.27	0.17	11/01/2018
iShares Core U.S. Aggregate Bond ETF - 1.0%			-4.73	-14.50	-14.58	-3.29	-0.31	-9.84	05/01/2021
Blmbg. U.S. Aggregate			-4.75	-14.61	-14.60	-3.26	-0.27	-9.86	05/01/2021
PineBridge IG Credit - 5.9% (^)			-5.34	-18.56	-18.35	-1.81	N/A	2.23	11/01/2018
Blmbg. U.S. Credit Index			-4.95	-18.07	-17.89	-3.61	-0.05	0.58	11/01/2018
Brown Bros. Harriman Structured - 10.5% (^)			-0.70	-4.53	-4.36	0.78	N/A	2.03	11/01/2018
ICE BofAML Asset-Bckd Fxd & Fltng Rate AA-BBB			-1.49	-6.87	-7.24	-0.45	1.31	0.98	11/01/2018
SPDR Blackstone Senior Loan ETF - 7.3%			-0.16	-6.57	-6.21	0.96	2.09	-6.68	02/01/2022
Credit Suisse Leveraged Loan Index			1.19	-3.31	-2.62	2.12	3.00	-3.66	02/01/2022
Brandywine Global High Yield - 2.5%			0.25	-13.02	-12.45	2.47	4.44	-1.10	10/01/2020
Blmbg. Ba to B U.S. High Yield			-0.69	-14.49	-13.82	-0.36	1.83	-2.70	10/01/2020
MainStay Mackay High Yield Corp Bond Fund - 2.5%			-0.49	-11.31	-11.05	0.31	2.03	-6.93	06/01/2021
ICE BofAML High Yield Master II			-0.70	-14.65	-14.10	-0.69	1.40	-9.23	06/01/2021
Other Income	749,439	1.82	-2.85	-17.33	-14.67	N/A	N/A	-14.68	09/01/2021
iShares Preferred and Income Securities ETF	749,439	1.82	-1.96	-16.75	-14.55	-0.64	1.15	-14.10	09/01/2021
ICE Exchange-Listed Preferred & Hybrid Securities			-1.95	-16.55	-14.27	-0.15	N/A	-13.82	09/01/2021

Returns are net of mutual fund fees and are expressed as percentages.

Blended Benchmark: See historical hybrid composition page for details. Asset class level returns may vary from individual underlying manager returns due to cash flows.

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Brevard County Board of County Commissioners Multi-Asset Class Portfolio
Asset Allocation & Performance

As of September 30, 2022

	Allocation			Performance(%)					
	Market Value (\$)	%	1 Quarter	Year To Date	1 Year	3 Years	5 Years	Since Inception	Inception Date
Real Return	1,008,223	2.45	-11.30	2.69	2.47	N/A	N/A	6.51	06/01/2021
PIMCO Commodity Real Return Strategy	1,008,223	2.45	-8.58	5.09	4.81	14.52	7.60	10.46	06/01/2021
Bloomberg Commodity Index Total Return			-4.11	13.57	11.80	13.45	6.96	15.63	06/01/2021
Cash Equivalent	1,199,019	2.91	1.40	1.56	1.57	N/A	N/A	0.68	06/01/2020
Federated Government Obligation	1,199,019	2.91	0.50	0.65	0.66	0.48	1.01	0.30	06/01/2020

Returns are net of mutual fund fees and are expressed as percentages.
 Blended Benchmark: See historical hybrid composition page for details. Asset class level returns may vary from individual underlying manager returns due to cash flows.
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Brevard County Board of County Commissioners Multi-Asset Class Portfolio

Comparative Performance

As of September 30, 2022

	2021	2020	2019	2018	2017
Total Fund	14.22	15.54	20.81	N/A	N/A
<i>Blended Benchmark</i>	11.59	14.56	20.95	N/A	N/A
Domestic Equity					
PFM Multi-Manager Domestic Equity Fund	26.28	20.05	29.70	N/A	N/A
<i>Russell 3000 Index</i>	25.66	20.89	31.02	-5.24	21.13
Vanguard Total Stock Market ETF - 62.7%	25.72	20.95	30.80	-5.13	21.16
<i>Russell 3000 Index</i>	25.66	20.89	31.02	-5.24	21.13
Vaughan Nelson Select - 11.5% (^)	41.05	20.01	29.17	N/A	N/A
Nuance All Cap Value - 9.1% (^)	15.15	9.69	31.33	N/A	N/A
Aristotle Atlantic Core Equity - 7.2%(^)	N/A	N/A	N/A	N/A	N/A
<i>Russell 3000 Index</i>	25.66	20.89	31.02	-5.24	21.13
Champlain Mid Cap Core - 4.2% (^)	25.95	30.51	27.82	N/A	N/A
<i>S&P MidCap 400</i>	24.76	13.66	26.20	-11.08	16.24
Jacobs Levy Small Cap - 4.6% (^)	39.61	18.81	N/A	N/A	N/A
<i>S&P SmallCap 600</i>	26.82	11.29	22.78	-8.48	13.23
International Equity					
PFM Multi-Manager International Equity Fund	9.38	13.74	21.23	N/A	N/A
<i>MSCI AC World ex USA (Net)</i>	7.82	10.65	21.51	-14.20	27.19
iShares Core MSCI Total Int'l Stock ETF - 36.1%	8.52	11.14	21.85	-14.55	28.08
<i>MSCI AC World ex USA (Net)</i>	7.82	10.65	21.51	-14.20	27.19
WCM Focused Growth International - 6.9% (^)	18.78	32.21	N/A	N/A	N/A
Ninety One Int'l Dynamic Equity - 12.1% (^)	N/A	N/A	N/A	N/A	N/A
<i>MSCI AC World ex USA (Net)</i>	7.82	10.65	21.51	-14.20	27.19
Acadian Non-U.S. Equity - 17.1% (^)	14.31	11.10	N/A	N/A	N/A
<i>Aristotle International Equity - 17.1% (^)</i>	17.21	10.14	25.45	N/A	N/A
<i>MSCI EAFE (net)</i>	11.26	7.82	22.01	-13.79	25.03
Kayne Anderson International Small Cap - 0.9% (^)	N/A	N/A	N/A	N/A	N/A
<i>MSCI AC World ex USA Small Cap (Net)</i>	12.93	14.24	22.42	-18.20	31.65
Schroders Global Emerging Markets - 9.5% (^)	-3.38	27.26	N/A	N/A	N/A
<i>MSCI EM (net)</i>	-2.54	18.31	18.42	-14.57	37.28

Returns are net of mutual fund fees and are expressed as percentages.
Blended Benchmark: See historical hybrid composition page for details.

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Brevard County Board of County Commissioners Multi-Asset Class Portfolio **As of September 30, 2022**
Comparative Performance

	2021	2020	2019	2018	2017
Other Growth					
Cohen & Steers Inst Realty Shares	42.47	-2.57	33.01	-3.99	7.45
Principal RE Securities Inst Fund	39.64	-3.23	31.13	-4.31	9.03
MSCI US REIT Index	43.06	-7.57	25.84	-4.57	5.07
Fixed Income					
PFM Multi-Manager Fixed Income Fund	-0.85	7.86	9.56	N/A	N/A
<i>Blmbg. U.S. Aggregate</i>	-1.55	7.51	8.72	0.01	3.54
PGIM Core Fixed - 35.0% (^)	-0.98	9.01	9.65	N/A	N/A
TIAA Core Fixed - 35.0% (^)	-0.91	9.44	9.59	N/A	N/A
iShares Core U.S. Aggregate Bond ETF - 1.0%	-1.67	7.42	8.68	-0.05	3.53
<i>Blmbg. U.S. Aggregate</i>	-1.55	7.51	8.72	0.01	3.54
PineBridge IG Credit - 5.9% (^)	0.02	14.54	15.48	N/A	N/A
<i>Blmbg. U.S. Credit Index</i>	-1.08	9.35	13.80	-2.11	6.18
Brown Bros. Harriman Structured - 10.5% (^)	3.01	3.42	5.07	N/A	N/A
ICE BofAML Asset-Bckd Fxd & Fltng Rate AA-BBB	1.75	3.94	4.31	3.16	4.53
SPDR Blackstone Senior Loan ETF - 7.3%	4.91	2.73	9.33	-0.25	3.61
<i>Credit Suisse Leveraged Loan Index</i>	5.40	2.78	8.17	1.14	4.25
Brandywine Global High Yield - 2.5%	5.50	13.92	15.56	1.27	10.48
<i>Blmbg. Ba to B U.S. High Yield</i>	4.71	7.78	15.18	-1.86	6.92
MainStay Mackay High Yield Corp Bond Fund - 2.5%	5.35	5.28	13.03	-1.34	6.79
<i>ICE BofAML High Yield Master II</i>	5.35	6.17	14.41	-2.27	7.48
Other Income					
iShares Preferred and Income Securities ETF	7.09	7.94	15.62	-4.77	8.33
ICE Exchange-Listed Preferred & Hybrid Secs	7.75	8.58	18.45	N/A	N/A
Real Return					
PIMCO Commodity Real Return Strategy	33.48	0.82	12.27	-13.77	2.70
Bloomberg Commodity Index Total Return	27.11	-3.12	7.69	-11.25	1.70
Cash Equivalent					
Federated Government Obligation	0.02	0.36	2.07	1.70	0.75

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Brevard County Board of County Commissioners Multi-Asset Class Portfolio

As of September 30, 2022

Account Reconciliation

QTR

	Market Value As of 07/01/2022	Net Flows	Return On Investment	Market Value As of 09/30/2022
Total Fund	43,839,104	-	(2,646,062)	41,193,042

YTD

	Market Value As of 01/01/2022	Net Flows	Return On Investment	Market Value As of 09/30/2022
Total Fund	42,754,264	9,966,914	(11,528,136)	41,193,042

1 Year

	Market Value As of 10/01/2021	Net Flows	Return On Investment	Market Value As of 09/30/2022
Total Fund	36,084,729	14,836,267	(9,727,953)	41,193,042

Since Inception

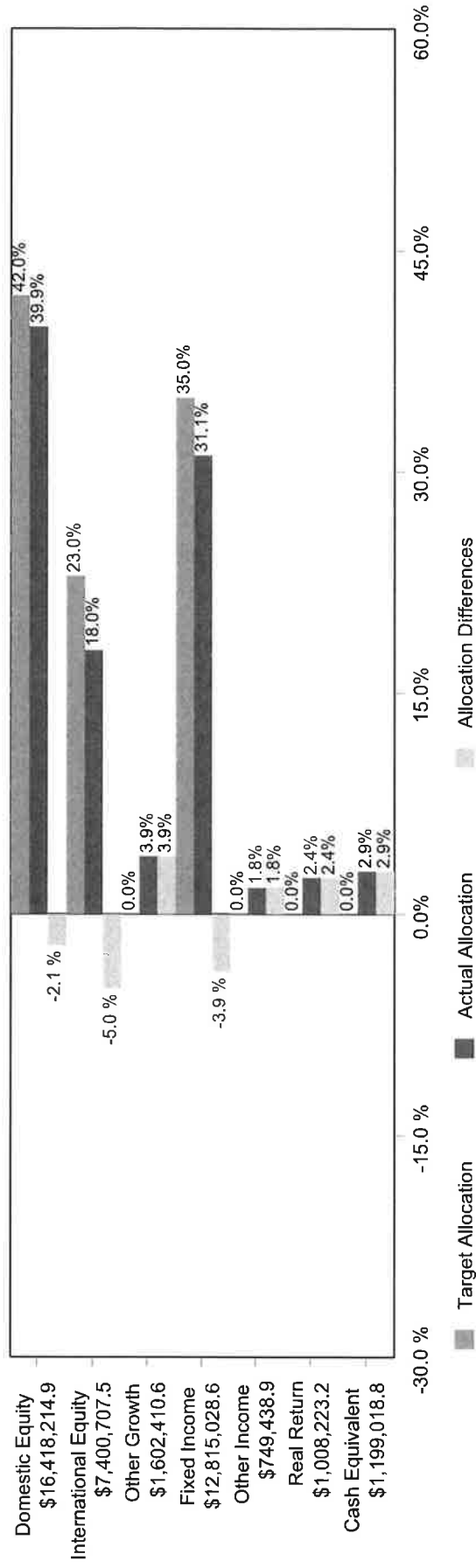
	Market Value As of 11/01/2018	Net Flows	Return On Investment	Market Value As of 09/30/2022
Total Fund	-	40,831,897	361,145	41,193,042

Brevard County Board of County Commissioners Multi-Asset Class Portfolio

As of September 30, 2022

Asset Allocation Summary

	Asset Allocation (%)	Target Allocation (%)	Minimum Allocation (%)	Maximum Allocation (%)	Differences (%)
Total Fund	100.0	100.0	N/A	N/A	0.0
Domestic Equity	39.9	42.0	22.0	62.0	-2.1
International Equity	18.0	23.0	3.0	43.0	-5.0
Other Growth	3.9	0.0	0.0	20.0	3.9
Fixed Income	31.1	35.0	15.0	55.0	-3.9
Other Income	1.8	0.0	0.0	20.0	1.8
Real Return	2.4	0.0	0.0	20.0	2.4
Cash Equivalent	2.9	0.0	0.0	20.0	2.9



Brevard County Board of County Commissioners Multi-Asset Class Portfolio

As of September 30, 2022

Historical Hybrid Composition - Blended Benchmark

Allocation Mandate	Weight (%)
Nov-2018	
Russell 3000 Index	42.0
MSCI AC World ex USA (Net)	23.0
Bimbg. U.S. Aggregate	35.0

Tab V

Disclosures

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It is not possible to invest directly in an index. The index returns shown throughout this material do not represent the results of actual trading of investor assets.

Third-party providers maintain the indices shown and calculate the index levels and performance shown or discussed. Index returns do not reflect payment of any sales charges or fees an investor would pay to purchase the securities they represent. The imposition of these fees and charges would cause investment performance to be lower than the performance shown.

The views expressed within this material constitute the perspective and judgment of PFMAM at the time of distribution and are subject to change. Any forecast, projection, or prediction of the market, the economy, economic trends, and equity or fixed-income markets are based upon certain assumptions and current opinion as of the date of issue and are also subject to change. Some, but not all assumptions are noted in the report. Assumptions may or may not be proven correct as actual events occur, and results may depend on events outside of your or our control. Changes in assumptions may have a material effect on results. Opinions and data presented are not necessarily indicative of future events or expected performance.

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- Market values that include accrued interest are derived from closing bid prices as of the last business day of the month as supplied by Refinitiv, Bloomberg, or Telerate. Where prices are not available from generally recognized sources, the securities are priced using a yield-based matrix system to arrive at an estimated market value.
- In accordance with generally accepted accounting principles, information is presented on a trade date basis; forward settling purchases are included in the monthly balances, and forward settling sales are excluded.
- Performance is presented in accordance with the CFA Institute's Global Investment Performance Standards (GIPS). Unless otherwise noted, performance is shown gross of fees. Quarterly returns are presented on an unannualized basis. Returns for periods greater than one year are presented on an annualized basis. Past performance is not indicative of future returns.
- Bank of America/Merrill Lynch Indices provided by Bloomberg Financial Markets.
- Money market fund/cash balances are included in performance and duration computations.
- Standard & Poor's is the source of the credit ratings. Distribution of credit rating is exclusive of money market fund/LGIP holdings.
- Callable securities in the portfolio are included in the maturity distribution analysis to their stated maturity date, although, they may be called prior to maturity.
- MBS maturities are represented by expected average life.

Glossary

- **Accrued Interest:** Interest that is due on a bond or other fixed income security since the last interest payment was made.
- **Agencies:** Federal agency securities and/or Government-sponsored enterprises.
- **Amortized Cost:** The original cost of the principal of the security is adjusted for the amount of the periodic reduction of any discount or premium from the purchase date until the date of the report. Discount or premium with respect to short-term securities (those with less than one year to maturity at time of issuance) is amortized on a straight line basis. Such discount or premium with respect to longer-term securities is amortized using the constant yield basis.
- **Asset-Backed Security:** A financial instrument collateralized by an underlying pool of assets – usually ones that generate a cash flow from debt, such as loans, leases, credit card balances, and receivables.
- **Bankers' Acceptance:** A draft or bill or exchange accepted by a bank or trust company. The accepting institution guarantees payment of the bill as well as the insurer.
- **Commercial Paper:** An unsecured obligation issued by a corporation or bank to finance its short-term credit needs, such as accounts receivable and inventory.
- **Contribution to Total Return:** The weight of each individual security multiplied by its return, then summed for each sector to determine how much each sector added or subtracted from the overall portfolio performance.
- **Effective Duration:** A measure of the sensitivity of a security's price to a change in interest rates, stated in years.
- **Effective Yield:** The total yield an investor receives in relation to the nominal yield or coupon of a bond. Effective yield takes into account the power of compounding on investment returns, while nominal yield does not.
- **FDIC:** Federal Deposit Insurance Corporation. A federal agency that insures bank deposits to a specified amount.
- **Interest Rate:** Interest per year divided by principal amount and expressed as a percentage.
- **Market Value:** The value that would be received or paid for an investment in an orderly transaction between market participants at the measurement date.
- **Maturity:** The date upon which the principal or stated value of an investment becomes due and payable.
- **Negotiable Certificates of Deposit:** A CD with a very large denomination, usually \$1 million or more, that can be traded in secondary markets.
- **Par Value:** The nominal dollar face amount of a security.
- **Pass-through Security:** A security representing pooled debt obligations that passes income from debtors to its shareholders. The most common type is the mortgage-backed security.

Glossary

- Repurchase Agreements: A holder of securities sells these securities to an investor with an agreement to repurchase them at a fixed price on a fixed date.
- Settle Date: The date on which the transaction is settled and monies/securities are exchanged. If the settle date of the transaction (i.e., coupon payments and maturity proceeds) occurs on a non-business day, the funds are exchanged on the next business day.
- Supranational: A multinational union or association in which member countries cede authority and sovereignty on at least some internal matters to the group, whose decisions are binding on its members.
- Trade Date: The date on which the transaction occurred; however, the final consummation of the security transaction and payment has not yet taken place.
- Unsettled Trade: A trade which has been executed; however, the final consummation of the security transaction and payment has not yet taken place.
- U.S. Treasury: The department of the U.S. government that issues Treasury securities.
- Yield: The rate of return based on the current market value, the annual interest receipts, maturity value, and the time period remaining until maturity, stated as a percentage on an annualized basis.
- YTM at Cost: The yield to maturity at cost is the expected rate of return based on the original cost, the annual interest receipts, maturity value, and the time period from purchase date to maturity, stated as a percentage on an annualized basis.
- YTM at Market: The yield to maturity at market is the rate of return based on the current market value, the annual interest receipts, maturity value, and the time period remaining until maturity, stated as a percentage on an annualized basis.