



CITY OF CHANDLER WORKERS COMP & EMPLOYER TRUST

Investment Performance Review For the Quarter Ended December 31, 2021

Client Management Team

Paulina Woo, Managing Director
Luke Schneider, CFA, Managing Director
Annette Gaston, Senior Managing Consultant

PFM Asset Management LLC

1200 South Alma School Rd.
Suite 3000
Mesa, AZ 85210
415-470-7815

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

Agenda

- Market Summary
- Account Summary
- Portfolio Review

Market Summary

Summary

► In Q4, U.S. economic conditions were characterized by: (1) a surge in COVID cases as the Omicron variant spread widely; (2) a sharply falling unemployment rate, rising wages, and near-record number of job openings; (3) stickier-than-expected inflation as pent-up consumer demand clashed with continued global supply chain disruptions amid a tight labor market and; (4) a pivot by the Fed to remove monetary accommodation more quickly, setting the stage for rate hikes to begin sooner than previously expected.

► The public health situation remained precarious with the emergence of the Omicron variant to COVID-19. The surge in new cases affected small businesses already challenged by labor shortages and rising prices due to supply chain challenges. The labor market continued to recover, with the unemployment rate falling to a cycle low, plentiful job opportunities and rising wages. Although the economy has largely rebounded from the pandemic-induced recession, the massive monetary and fiscal support from the Fed and Congress has triggered a multi-decade surge in inflation.

► While growth is forecast to remain above trend, the real challenge for 2022 is getting inflation down. Mounting inflationary pressures prompted accelerated tapering of bond purchases by the Fed and pulled forward expected rate hikes. Tapering is expected to be complete by mid-March followed by three rate hikes in 2022. The Fed may also let some of its \$8.7 trillion balance sheet roll off sometime later in the year.

Economic Snapshot

► U.S. real GDP growth slowed sharply in Q3 to a modest 2.3%, well below the 6.5% growth rate in the first half of 2021. The lackluster growth reflected a slowdown in consumer spending as the Delta variant dampened confidence and behavior. Personal consumption grew at just 2% compared to the previous quarter's 12%. Nevertheless, economists predict a solid rebound for Q4, with the Atlanta Fed forecasting growth of over 6%.

► The unemployment rate dropped to 3.9% in December, compared to the record low pre-pandemic level of 3.5%. In the past 50 years, unemployment has only been lower during the 22 months prior to the pandemic and for one month in 2000. Although the U.S. economy added a record 6.4 million jobs in 2021, overall employment remains below its pre-pandemic figure largely due to people dropping out of the labor force. This imbalance created a shortage of workers and kept pressure on wages as employers battle to attract and retain workers.

► Inflation was shockingly high, with the CPI reaching 7% year-over-year. Sharply higher prices for gasoline, heating oil and other energy products were most pronounced. New and used cars continued to show large price increases, but inflation became more widespread and persistent.

► Manufacturing and services activity chilled a bit with both the ISM Manufacturing and Non-Manufacturing PMI surveys pulling back at quarter end. Nonetheless, both indices remain well above the 50-point threshold indicating growth.

► Demand for homes remained exceptionally strong, but inventories are lean, leading to even higher prices. Higher prices amid higher mortgage rates will negatively affect affordability and present a headwind to further price increases. Existing home sales rose

by 1.9% to a 6.46 million-unit annual rate in November, marking the third consecutive month of increases, while unseasonably mild weather helped boost housing starts by 12%. Bolstered by near-record-low inventories and high backlogs, home builder confidence is near an all-time high.

Interest Rates

► U.S. Treasury yields generally rose in the quarter and the yield curve flattened, as short- to intermediate-term maturities increased between 30 and 40 bps, led higher by expectations for faster Fed rate hikes. Meanwhile, rate changes were more muted to modestly lower on the longer end of the curve, which reflected expectations for longer-term normalization of inflation and GDP growth. At quarter-end, the yield on a 3-month U.S. Treasury Bill stood at 0.03%, the 2-year note rose to 0.73%, the 5-year note climbed to 1.26%, the 10-year note increased to 1.51%, while the 30-year ended the quarter at 1.90%.

► As a result of yield changes over the quarter, U.S. Treasury returns were largely negative, except for the shortest and longest tenors. For example, the 3-month U.S. Treasury index returned 0.01% for the quarter and the 10-year U.S. Treasury index returned 0.75%. Meanwhile, those indexes representing the "belly" of the curve posted negative returns, with the 2-, 3-, and 5-year Treasury indices returning -0.51%, -0.85%, and -0.90%, respectively.

Sector Performance

► Investment in non-government sectors was a modest detractor to portfolio performance in Q4 as yield spreads on most investment-grade (IG) fixed-income sectors widened off recent rock bottom levels. As a result, most IG spread sectors produced negative excess returns for Q4, underperforming similar-maturity Treasuries.

► Federal agencies were not immune to the broad spread widening experienced in Q4, generating slightly negative excess returns. Although callable yield spreads widened modestly over the quarter due to an uptick in volatility, spreads generally remained low. Non-callable agencies markedly outperformed their optionable counterparts.

► The taxable municipal sector was one of the best performing IG sectors during Q4, generating positive excess returns. Municipals performed well as lean supply was met with robust demand for new issues, ultimately keeping spreads in check.

► IG corporates slightly underperformed in Q4 after consistently being one of the top-performing sectors in prior quarters, as incremental spreads widened due to rising rates and the prospects for reduced monetary support from the Fed. As a result, IG corporates posted negative excess returns, with longer duration issues underperforming shorter ones. Underperformance was generally consistent across the quality ratings spectrum.

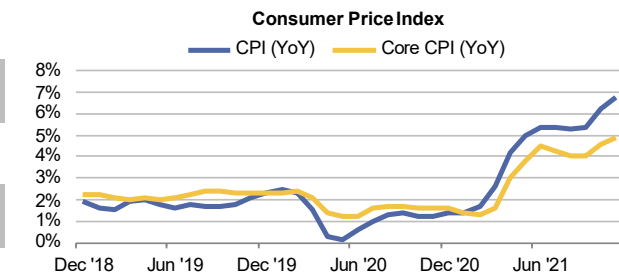
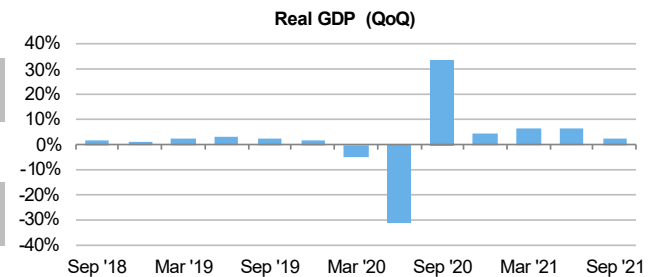
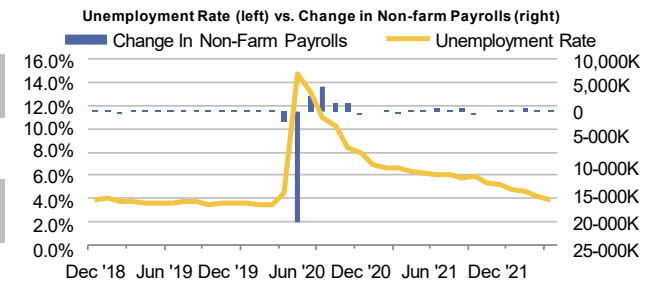
► Federal agency-backed mortgage-backed security (MBS) excess returns were generally negative across most collateral and coupon types except 15-year MBS pass-throughs. Conventional 15-year collateral generated modest outperformance, while 30-year collateral MBS and Agency CMBS underperformed. The Fed's announcement of accelerated asset purchase tapering and the looming balance sheet reduction in combination with slowing refinancing activity has weighed on the sector. It is likely to persist for at least the near term.

Economic Snapshot

Labor Market		Latest	Sep '21	Dec '20
Unemployment Rate	Dec'21	3.9%	4.7%	6.7%
Change In Non-Farm Payrolls	Dec'21	199,000	379,000	-306,000
Average Hourly Earnings (YoY)	Dec'21	4.7%	4.5%	5.5%
Personal Income (YoY)	Nov'21	7.4%	5.1%	4.8%
Initial Jobless Claims (week)	1/1/22	207,000	364,000	763,000

Growth		Latest	Sep '21	Dec '20
Real GDP (QoQ SAAR)	2021Q3	2.3%	6.7% ¹	33.8% ²
GDP Personal Consumption (QoQ SAAR)	2021Q3	2.0%	12.0% ¹	41.4% ²
Retail Sales (YoY)	Nov '21	18.2%	14.2%	2.3%
ISM Manufacturing Survey (month)	Dec '21	58.7	61.1	60.5
Existing Home Sales SAAR (month)	Nov '21	6.46 mil.	6.29 mil.	6.65 mil.

Inflation/Prices		Latest	Sep '21	Dec '20
Personal Consumption Expenditures (YoY)	Nov '21	5.7%	4.4%	1.3%
Consumer Price Index (YoY)	Nov '21	6.8%	5.4%	1.4%
Consumer Price Index Core (YoY)	Nov '21	4.9%	4.0%	1.6%
Crude Oil Futures (WTI, per barrel)	Dec 31	\$75.21	\$75.03	\$48.52
Gold Futures (oz.)	Dec 31	\$1,829	\$1,755	\$1,895



1. Data as of Second Quarter 2021.

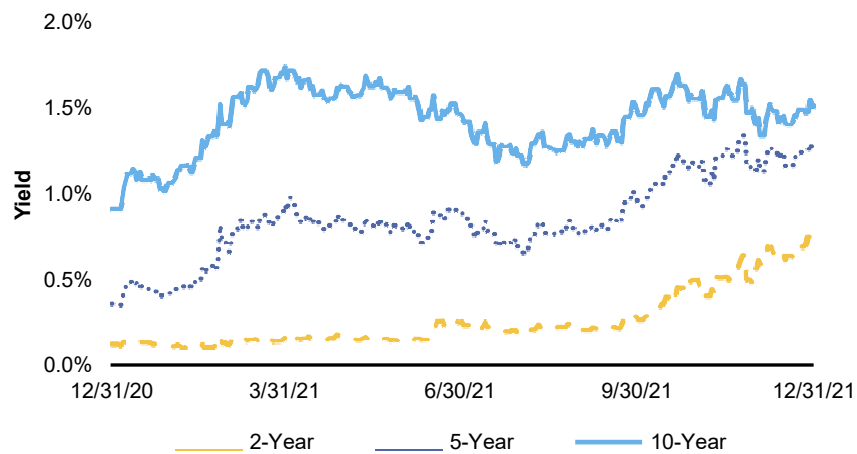
2. Data as of Third Quarter 2020.

Note: YoY = year-over-year, QoQ = quarter-over-quarter, SAAR = seasonally adjusted annual rate, WTI = West Texas Intermediate crude oil.

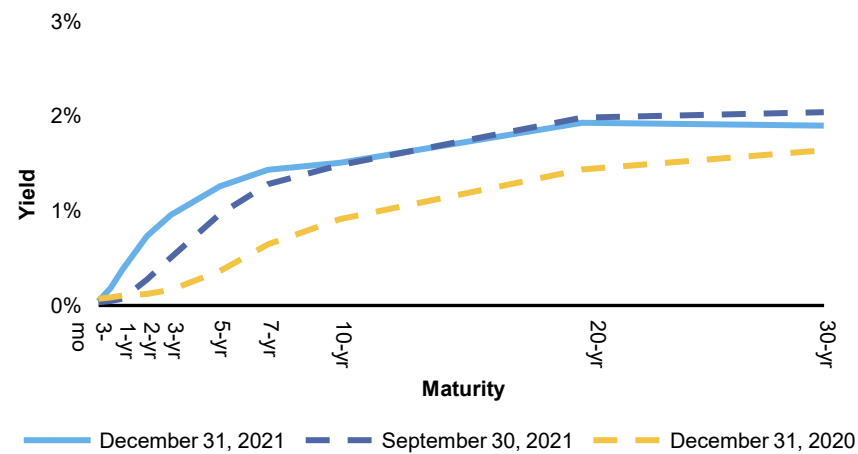
Source: Bloomberg.

Interest Rate Overview

U.S. Treasury Note Yields



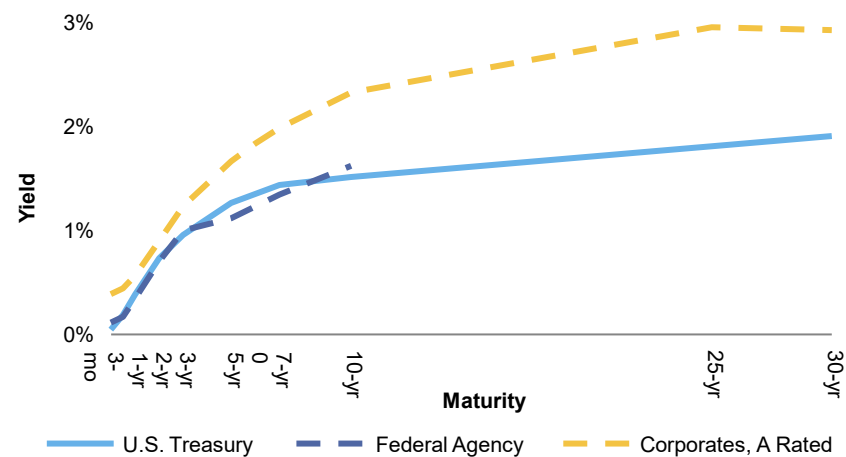
U.S. Treasury Yield Curve



U.S. Treasury Yields

Maturity	Dec '21	Sep '21	Change over Quarter	Dec '20	Change over Year
3-Month	0.04%	0.04%	0.00%	0.07%	(0.03%)
1-Year	0.38%	0.07%	0.31%	0.11%	0.27%
2-Year	0.73%	0.28%	0.45%	0.12%	0.61%
5-Year	1.26%	0.97%	0.29%	0.36%	0.90%
10-Year	1.51%	1.49%	0.02%	0.92%	0.59%
30-Year	1.90%	2.05%	(0.15%)	1.65%	0.25%

Yield Curves as of 12/31/2021



Source: Bloomberg.

ICE BofAML Index Returns

As of 12/31/2021		Returns for Periods ended 12/31/2021			
December 31, 2021	Duration	Yield	3 Month	1 Year	3 Years
1-3 Year Indices					
U.S. Treasury	1.88	0.70%	(0.53%)	(0.55%)	2.01%
Federal Agency	1.78	0.68%	(0.49%)	(0.43%)	1.89%
U.S. Corporates, A-AAA rated	1.83	1.04%	(0.57%)	(0.24%)	2.88%
Agency MBS (0 to 3 years)	1.87	0.78%	(0.63%)	(2.66%)	2.49%
Taxable Municipals	1.51	0.94%	(0.47%)	2.02%	3.58%
1-5 Year Indices					
U.S. Treasury	2.64	0.87%	(0.68%)	(1.10%)	2.42%
Federal Agency	2.39	0.84%	(0.70%)	(0.86%)	2.07%
U.S. Corporates, A-AAA rated	2.75	1.30%	(0.69%)	(0.64%)	3.65%
Agency MBS (0 to 5 years)	2.87	1.64%	(0.75%)	(1.56%)	2.59%
Taxable Municipals	2.52	1.17%	(0.67%)	0.46%	3.34%
Master Indices (Maturities 1 Year or Greater)					
U.S. Treasury	7.37	1.24%	0.35%	(2.38%)	4.16%
Federal Agency	3.99	1.08%	(0.37%)	(1.15%)	3.43%
U.S. Corporates, A-AAA rated	8.47	2.09%	0.20%	(1.73%)	6.71%
Agency MBS (0 to 30 years)	3.82	1.85%	(0.42%)	(1.21%)	3.08%
Taxable Municipals	11.18	2.55%	0.64%	1.41%	8.83%

Returns for periods greater than one year are annualized.

Source: ICE BofAML Indices.

Disclosures

PFM Asset Management LLC ("PFMAM") is an investment adviser registered with the U.S. Securities and Exchange Commission and a subsidiary of U.S. Bancorp Asset Management, Inc. ("USBAM"). USBAM is a subsidiary of U.S. Bank National Association ("U.S. Bank"). U.S. Bank is a separate entity and subsidiary of U.S. Bancorp. U.S. Bank is not responsible for and does not guarantee the products, services or performance of PFMAM.

The views expressed within this material constitute the perspective and judgment of PFM Asset Management LLC at the time of distribution 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. The information contained in this report is not an offer to purchase or sell any securities.

NOT FDIC INSURED : NO BANK GUARANTEE : MAY LOSE VALUE

Further distribution is not permitted without prior written consent.

Account Summary

Fixed-Income Sector Commentary – 4Q 2021

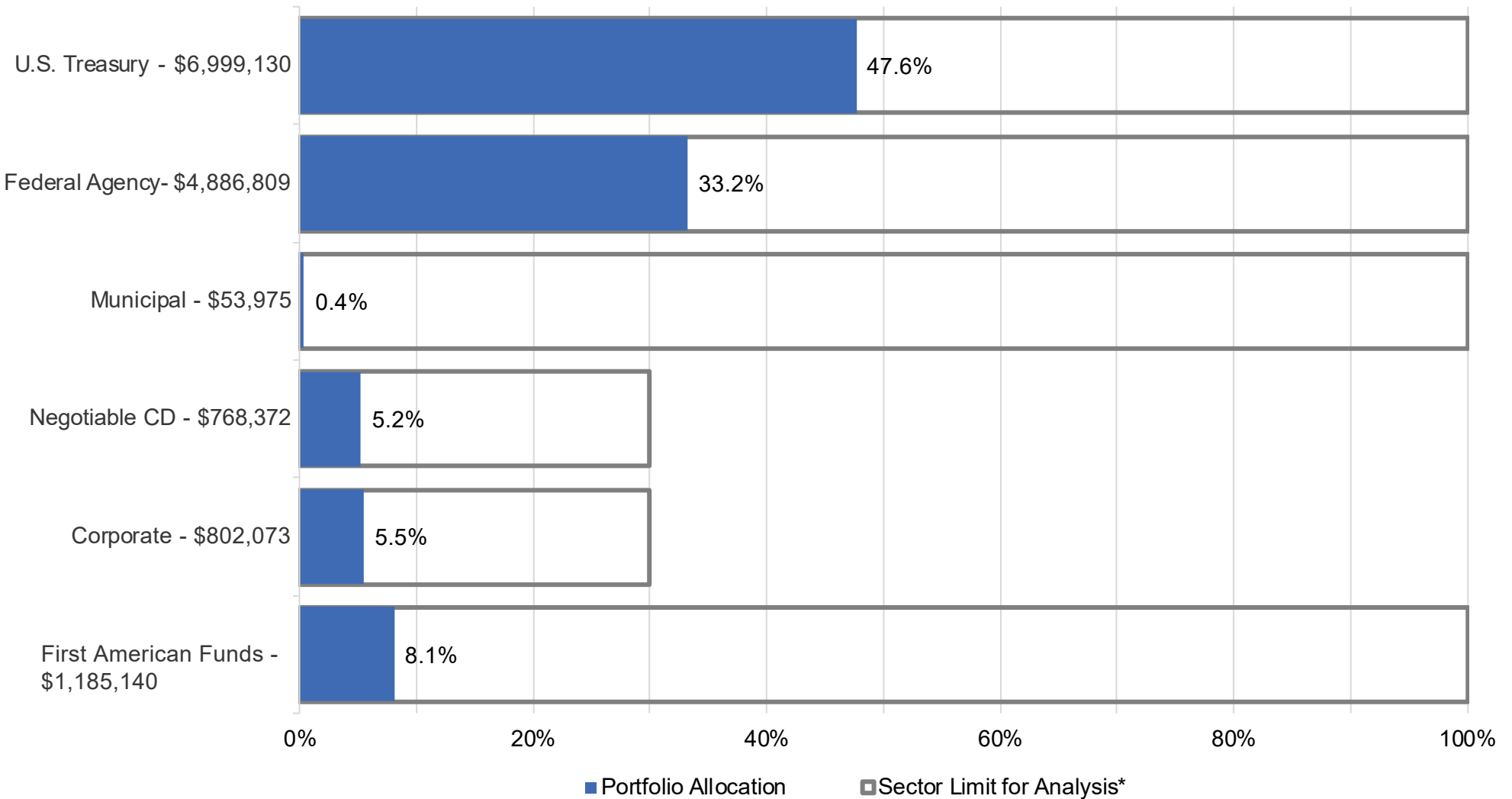
- ◆ **U.S. Treasury** securities generated negative performance as yields rose across maturities. The higher absolute level of yields support duration extensions and roll-down where the curve is steep.
- ◆ **Federal agency** spreads widened modestly, generating slightly negative excess returns. Spreads remain tight by historical standards and opportunities to add will be limited.
- ◆ **Supranational** securities performed in line with their federal agency counterparts – supply from seasonal issuance should provide opportunities to add sector exposure.
- ◆ **Corporates** underperformed after consistently being one of the top performing sectors in prior quarters. Modestly wider spreads are likely to provide opportunities to increase exposure on an issuer-specific basis.
- ◆ **Asset-Backed Securities** issuance remains robust and wider spreads enhance the sector's relative value as collateral performance remains strong.
- ◆ **Mortgage-Backed Securities** performance was generally negative across collateral and coupon types with 15-yr MBS pools being the exception. FOMC asset purchase tapering and potential balance sheet reduction will continue to weigh negatively on the sector.
- ◆ **Taxable Municipal** securities were one of the best performing sectors in Q4. Limited supply is likely to keep downward pressure on spreads and limit opportunities to increase allocations.
- ◆ **Commercial Paper and CD** rates gravitated higher throughout the quarter as market expectations for rate hikes sent short maturities higher, creating opportunities to add.

Account Summary

CHANDLER WORKERS COMP & EMPLOYER TRUST			
Portfolio Values	December 31, 2021	Analytics ¹	December 31, 2021
PFM Managed Account	\$13,510,358	Yield at Market	0.69%
Amortized Cost	\$13,581,121	Yield on Cost	0.48%
Market Value	\$13,510,358	Portfolio Duration	1.77
Accrued Interest	\$18,865		

1. Yield at market, yield on cost, and portfolio duration only include investments held within the separately managed account(s).

Sector Allocation Analytics



For informational/analytical purposes only and is not provided for compliance assurance.

*Sector Limit for Analysis is subject to interpretation as derived from our interpretation of your Investment Policy as provided.

Detail may not add to total due to rounding.

Issuer Diversification

Security Type / Issuer	Market Value (%)	S&P / Moody's / Fitch
U.S. Treasury	51.8%	
UNITED STATES TREASURY	51.8%	AA / Aaa / AAA
Federal Agency	36.2%	
FANNIE MAE	8.0%	AA / Aaa / AAA
FREDDIE MAC	28.2%	AA / Aaa / AAA
Municipal	0.4%	
CITY OF SCOTTSDALE	0.4%	AAA / Aaa / AAA
Negotiable CD	5.7%	
CREDIT SUISSE GROUP RK	0.7%	A / A / A
DNB ASA	0.5%	AA / Aa / NR
HSBC HOLDINGS PLC	0.9%	A / Aa / AA
NORDEA BANK ABP	0.9%	AA / Aa / AA
SKANDINAVISKA ENSKILDA BANKEN AB	1.0%	A / Aa / AA
SUMITOMO MITSUI FINANCIAL GROUP INC	0.6%	A / Aa / A
UBS AG	1.1%	A / Aa / AA
Corporate	5.9%	
ADOBE INC	0.7%	A / A / NR
AMAZON.COM INC	1.3%	AA / A / AA
BANK OF AMERICA CO	0.7%	A / A / AA
CATERPILLAR INC	0.7%	A / A / A
HERSHEY COMPANY	0.7%	A / A / NR
JP MORGAN CHASE & CO	1.3%	A / A / AA
TOYOTA MOTOR CORP	0.6%	A / A / A
Total	100.0%	

Ratings shown are calculated by assigning a numeral value to each security rating, then calculating a weighted average rating for each security type / issuer category using all available security ratings, excluding Not-Rated (NR) ratings. For security type / issuer categories where a rating from the applicable NRSRO is not available, a rating of NR is assigned. Excludes balances invested in money market funds.

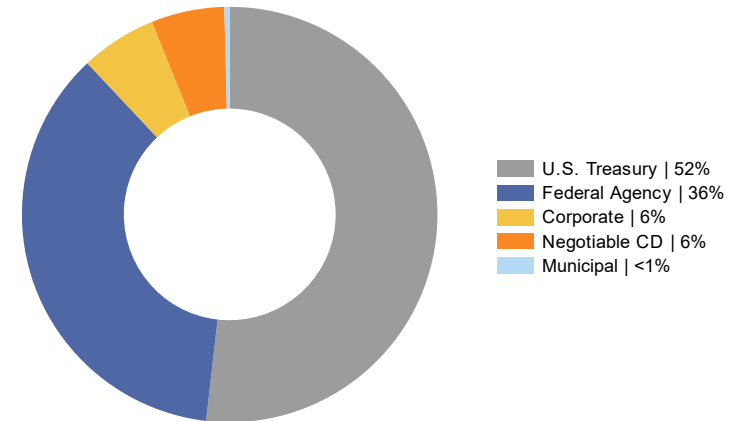
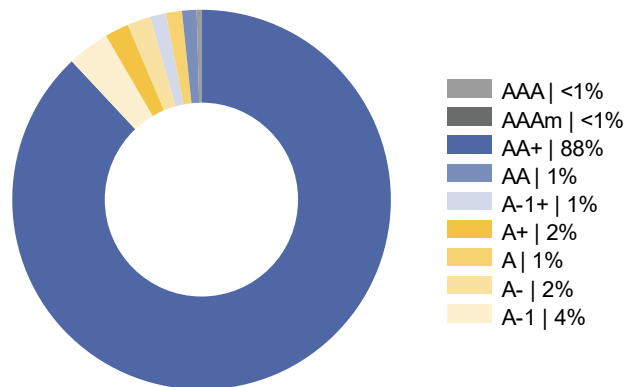
Portfolio Review:
CHANDLER WORKERS COMP & EMPLOYER TRUST

Portfolio Snapshot¹

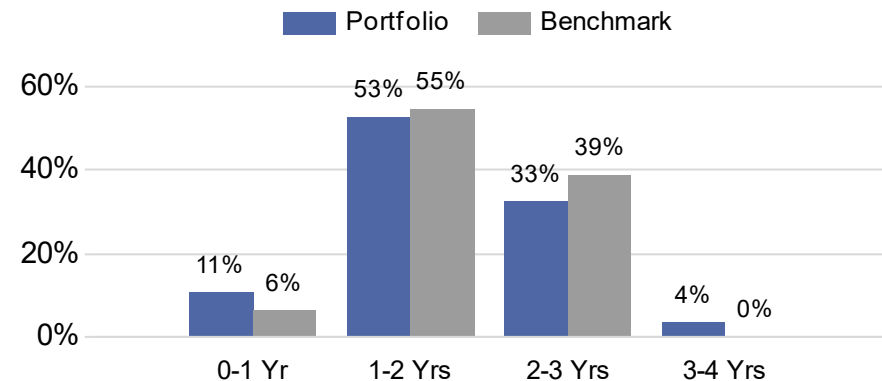
Portfolio Statistics

Total Market Value	\$13,539,391
Portfolio Effective Duration	1.77 years
Benchmark Effective Duration	1.82 years
Yield At Cost	0.48%
Yield At Market	0.69%
Portfolio Credit Quality	AA

Sector Allocation

Credit Quality - S&P²

Duration Distribution



1. Total market value includes accrued interest and balances invested in PFM Funds, as of December 31, 2021. Calculations exclude balances invested in PFM Funds.

2. The portfolio's benchmark is the currently the ICE BofAML 1-3 Year U.S Treasury Index. Prior to 3/31/17 it was the ICE BofAML 0-3 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.

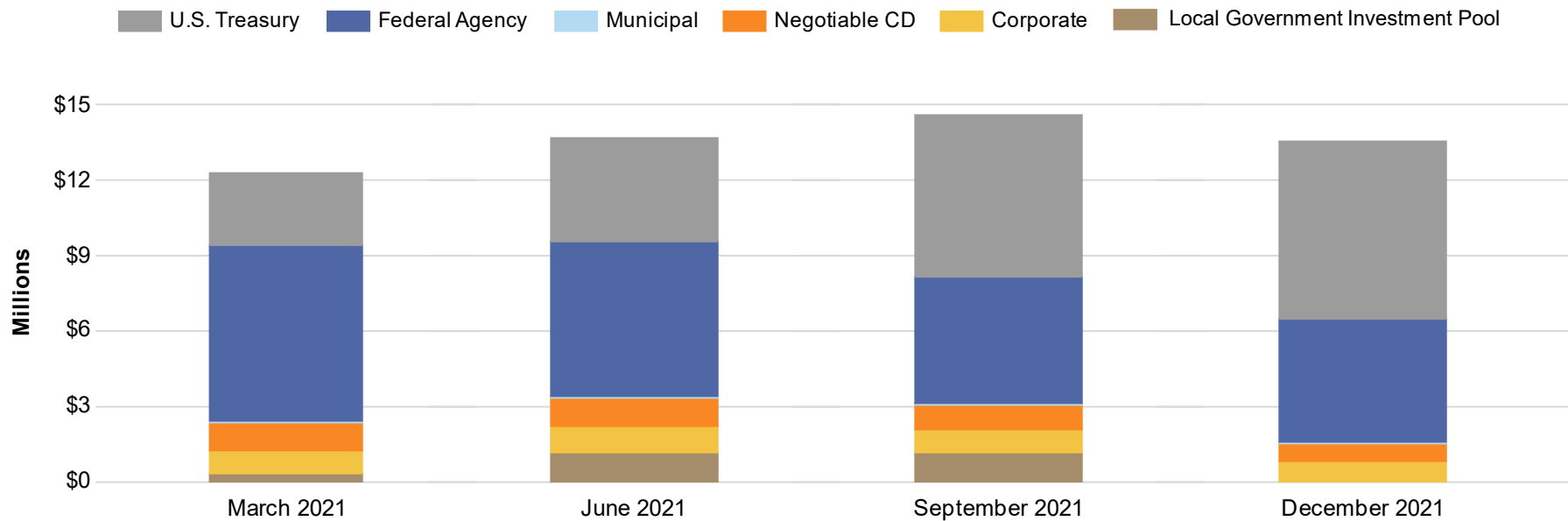
Liquidity Vehicle	Quarter-End Yield
Wells Fargo Public Institutional Bank Deposit Account ¹	0.01%
First American Funds ²	0.01%

1. Wells Fargo Public Institutional Bank Deposit Account yield from the Trust custody statement as of 12/31/21.

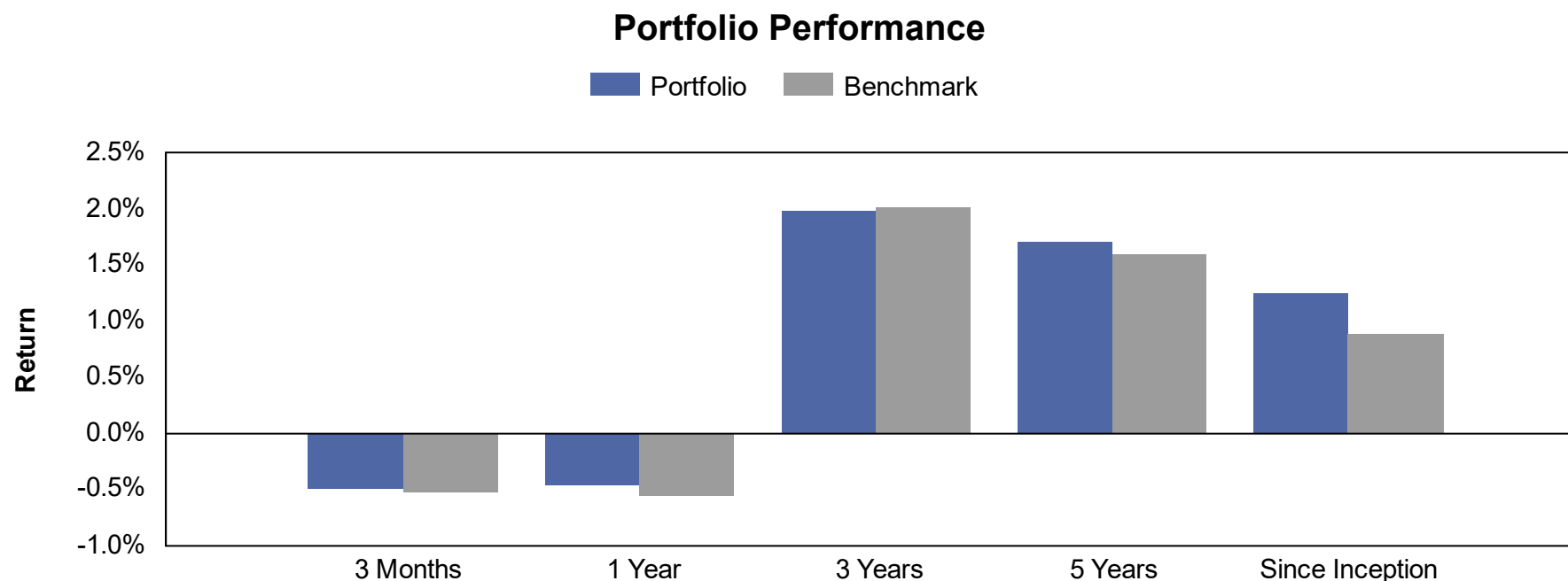
2. First American Funds Account yield from statement as of 12/31/21.

Sector Allocation Review

Security Type	Mar-21	% of Total	Jun-21	% of Total	Sep-21	% of Total	Dec-21	% of Total
U.S. Treasury	\$2.8	23.1%	\$4.1	30.1%	\$6.4	44.0%	\$7.0	51.8%
Federal Agency	\$7.0	57.4%	\$6.2	45.2%	\$5.0	34.4%	\$4.9	36.2%
Municipal	\$0.1	0.4%	\$0.1	0.4%	\$0.1	0.4%	\$0.1	0.4%
Negotiable CD	\$1.1	9.0%	\$1.1	8.1%	\$1.0	6.9%	\$0.8	5.7%
Corporate	\$0.9	7.5%	\$1.0	7.5%	\$0.9	6.2%	\$0.8	5.9%
Local Government Investment Pool	\$0.3	2.6%	\$1.2	8.7%	\$1.2	8.1%	\$0.0	0.0%
Total	\$12.3	100.0%	\$13.7	100.0%	\$14.6	100.0%	\$13.5	100.0%



Market values, excluding accrued interest. Only includes investments held within the separately managed account(s). Detail may not add to total due to rounding.



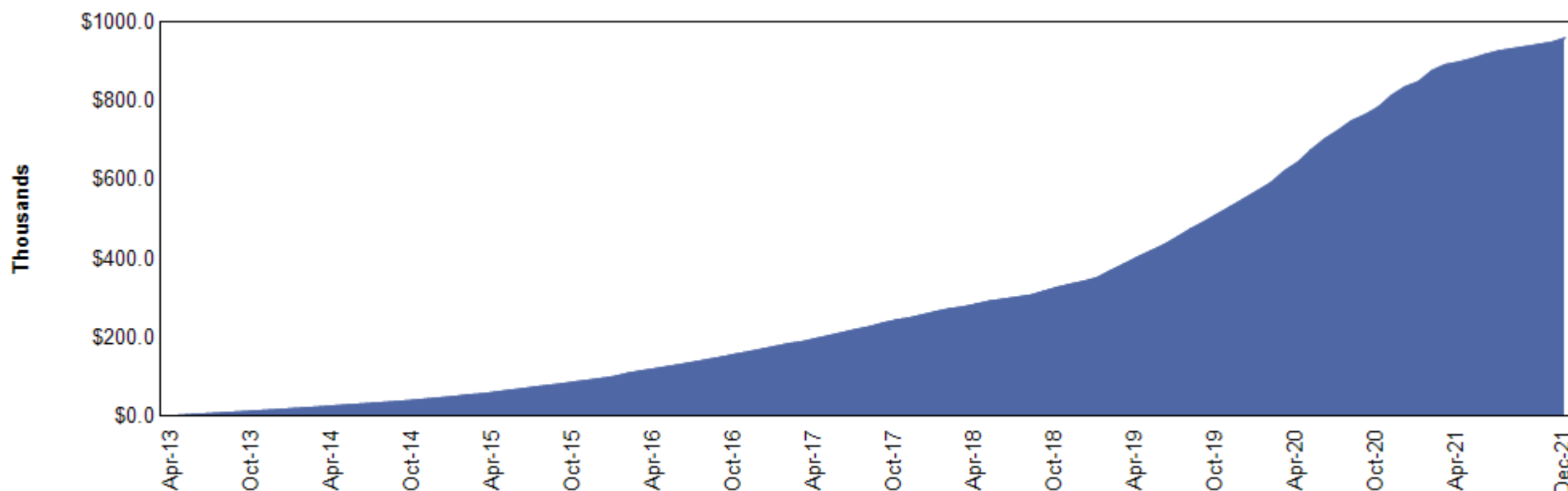
Market Value Basis Earnings	3 Months	1 Year	3 Years	5 Years	Since Inception ¹
Interest Earned	\$20,338	\$81,243	\$420,930	\$604,873	\$1,009,643
Change in Market Value	(\$92,789)	(\$148,144)	(\$118,170)	(\$139,315)	(\$380,640)
Total Dollar Return	(\$72,451)	(\$66,901)	\$302,760	\$465,558	\$629,003
Total Return²					
Portfolio	-0.50%	-0.46%	1.98%	1.70%	1.25%
Benchmark ³	-0.53%	-0.55%	2.02%	1.60%	0.88%
Difference	0.03%	0.09%	-0.04%	0.10%	0.37%

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, 2013.

2. 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.

3. The portfolio's benchmark is currently the ICE BofAML 1-3 Year U.S Treasury Index. Prior to 3/31/17 it was the ICE BofAML 0-3 Year U.S Treasury Index. Source: Bloomberg.

Accrual Basis Earnings



Accrual Basis Earnings	3 Months	1 Year	3 Years	5 Year	Since Inception ¹
Interest Earned ²	\$20,338	\$81,243	\$420,930	\$604,873	\$1,009,643
Realized Gains / (Losses) ³	\$5,523	\$51,951	\$162,762	\$133,921	\$144,537
Change in Amortized Cost	(\$3,527)	(\$8,911)	\$33,502	\$49,892	(\$194,747)
Total Earnings	\$22,335	\$124,282	\$617,195	\$788,686	\$959,433

1. The lesser of 10 years or since inception is shown. Performance inception date is March 31, 2013.

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.

**Issuer Distribution
As of December 31, 2021**

Issuer	Market Value (\$)	% of Portfolio
UNITED STATES TREASURY	6,999,130	51.80%
FREDDIE MAC	3,809,081	28.19%
FANNIE MAE	1,077,728	7.98%
JP MORGAN CHASE & CO	172,692	1.28%
AMAZON.COM INC	170,653	1.26%
UBS AG	149,939	1.11%
SKANDINAVISKA ENSKILDA BANKEN AB	131,256	0.97%
HSBC HOLDINGS PLC	120,013	0.89%
NORDEA BANK ABP	116,103	0.86%
ADOBE INC	101,102	0.75%
CREDIT SUISSE GROUP RK	99,978	0.74%
BANK OF AMERICA CO	99,342	0.74%
CATERPILLAR INC	94,716	0.70%
HERSHEY COMPANY	87,934	0.65%
SUMITOMO MITSUI FINANCIAL GROUP INC	85,159	0.63%
TOYOTA MOTOR CORP	75,634	0.56%
DNB ASA	65,924	0.49%
CITY OF SCOTTSDALE	53,975	0.40%
PFM FUNDS - GOVT SELECT, INSTL CL		0.00%
Grand Total	13,510,358	100.00%

Managed Account Detail of Securities Held

Security Type/Description Dated Date/Coupon/Maturity	CUSIP	Par	S&P Rating	Moody's Rating	Trade Date	Settle Date	Original Cost	YTM at Cost	Accrued Interest	Market Value
U.S. Treasury										
US TREASURY NOTES DTD 11/30/2015 2.000% 11/30/2022	912828M80	20,000.00	AA+	Aaa	8/1/2019	8/2/2019	20,119.53	1.81	35.16	20,290.62
US TREASURY NOTES DTD 12/15/2019 1.625% 12/15/2022	912828YW4	259,000.00	AA+	Aaa	1/3/2020	1/7/2020	259,465.39	1.56	196.56	262,035.17
US TREASURY NOTES DTD 12/31/2015 2.125% 12/31/2022	912828N30	30,000.00	AA+	Aaa	11/1/2019	11/5/2019	30,530.86	1.55	1.76	30,501.56
US TREASURY NOTES DTD 01/15/2020 1.500% 01/15/2023	912828Z29	120,000.00	AA+	Aaa	2/3/2020	2/5/2020	120,585.94	1.33	831.52	121,312.50
US TREASURY NOTES DTD 02/15/2020 1.375% 02/15/2023	912828Z86	530,000.00	AA+	Aaa	3/2/2020	3/4/2020	538,943.75	0.80	2,752.62	535,548.46
US TREASURY N/B NOTES DTD 05/31/2021 0.125% 05/31/2023	91282CCD1	885,000.00	AA+	Aaa	8/2/2021	8/6/2021	884,516.02	0.16	97.25	879,468.75
US TREASURY NOTES DTD 06/15/2020 0.250% 06/15/2023	912828ZU7	230,000.00	AA+	Aaa	8/23/2021	8/24/2021	230,152.73	0.21	26.85	228,921.88
US TREASURY NOTES DTD 10/01/2018 2.875% 09/30/2023	9128285D8	285,000.00	AA+	Aaa	9/27/2021	9/28/2021	299,639.65	0.30	2,093.46	295,865.63
US TREASURY NOTES DTD 01/15/2021 0.125% 01/15/2024	91282CBE0	588,000.00	AA+	Aaa	2/2/2021	2/4/2021	587,058.28	0.18	339.54	580,558.15
US TREASURY NOTES DTD 02/15/2021 0.125% 02/15/2024	91282CBM2	50,000.00	AA+	Aaa	3/1/2021	3/1/2021	49,787.11	0.27	23.61	49,351.56
US TREASURY NOTES DTD 02/15/2021 0.125% 02/15/2024	91282CBM2	375,000.00	AA+	Aaa	3/4/2021	3/9/2021	372,993.16	0.31	177.06	370,136.70
US TREASURY NOTES DTD 02/15/2021 0.125% 02/15/2024	91282CBM2	100,000.00	AA+	Aaa	3/3/2021	3/4/2021	99,511.72	0.29	47.22	98,703.12
US TREASURY NOTES DTD 03/15/2021 0.250% 03/15/2024	91282CBR1	305,000.00	AA+	Aaa	9/27/2021	9/28/2021	303,701.37	0.42	227.49	301,378.12
US TREASURY NOTES DTD 03/15/2021 0.250% 03/15/2024	91282CBR1	625,000.00	AA+	Aaa	4/5/2021	4/7/2021	622,973.63	0.36	466.16	617,578.13
US TREASURY N/B NOTES DTD 04/15/2021 0.375% 04/15/2024	91282CBV2	595,000.00	AA+	Aaa	5/3/2021	5/4/2021	595,952.93	0.32	478.13	588,957.06

Security Type/Description Dated Date/Coupon/Maturity	CUSIP	Par	S&P Rating	Moody's Rating	Trade Date	Settle Date	Original Cost	YTM at Cost	Accrued Interest	Market Value
U.S. Treasury										
US TREASURY N/B NOTES DTD 05/15/2021 0.250% 05/15/2024	91282CCC3	200,000.00	AA+	Aaa	6/1/2021	6/2/2021	199,679.69	0.30	64.92	197,281.24
US TREASURY N/B NOTES DTD 09/15/2021 0.375% 09/15/2024	91282CCX7	235,000.00	AA+	Aaa	10/4/2021	10/6/2021	234,127.93	0.50	262.91	231,658.58
US TREASURY N/B NOTES DTD 09/15/2021 0.375% 09/15/2024	91282CCX7	305,000.00	AA+	Aaa	9/27/2021	9/28/2021	303,391.60	0.55	341.23	300,663.27
US TREASURY N/B NOTES DTD 10/15/2021 0.625% 10/15/2024	91282CDB4	105,000.00	AA+	Aaa	11/2/2021	11/3/2021	104,700.59	0.72	140.63	104,146.88
US TREASURY N/B NOTES DTD 11/15/2021 0.750% 11/15/2024	91282CDH1	465,000.00	AA+	Aaa	12/3/2021	12/7/2021	462,983.79	0.90	452.80	462,457.01
US TREASURY NOTES DTD 11/30/2019 1.500% 11/30/2024	912828YV6	260,000.00	AA+	Aaa	6/2/2021	6/4/2021	269,638.28	0.43	342.86	264,062.50
US TREASURY N/B NOTES DTD 12/15/2021 1.000% 12/15/2024	91282CDN8	185,000.00	AA+	Aaa	12/9/2021	12/15/2021	185,028.91	0.99	86.40	185,173.44
US TREASURY NOTES DTD 01/31/2020 1.375% 01/31/2025	912828Z52	270,000.00	AA+	Aaa	7/2/2021	7/7/2021	277,519.92	0.58	1,553.60	273,079.67
Security Type Sub-Total		7,022,000.00					7,053,002.78	0.49	11,039.74	6,999,130.00
Negotiable CD										
HSBC BANK USA NA DTD 02/26/2021 0.250% 02/25/2022	40435RKU4	120,000.00	A-1	P-1	2/26/2021	2/26/2021	120,000.00	0.25	257.50	120,012.84
SUMITOMO MITSUI BANK NY CERT DEPOS DTD 07/14/2020 0.700% 07/08/2022	86565CKU2	85,000.00	A-1	P-1	7/10/2020	7/14/2020	85,000.00	0.70	292.54	85,159.12
UBS AG STAMFORD CT CERT DEPOS DTD 02/18/2021 0.250% 08/16/2022	90275DNC0	150,000.00	A-1	P-1	2/16/2021	2/18/2021	150,000.00	0.25	143.75	149,938.50
NORDEA BANK ABP NEW YORK CERT DEPOS DTD 08/29/2019 1.850% 08/26/2022	65558TLL7	115,000.00	A-1+	P-1	8/27/2019	8/29/2019	115,000.00	1.84	756.44	116,103.43
SKANDINAV ENSKILDA BANK LT CD DTD 09/03/2019 1.860% 08/26/2022	83050PDR7	130,000.00	A-1	P-1	8/29/2019	9/3/2019	130,000.00	1.85	859.73	131,255.67
DNB BANK ASA/NY LT CD DTD 12/06/2019 2.040% 12/02/2022	23341VZT1	65,000.00	A-1+	P-1	12/5/2019	12/6/2019	65,000.00	2.03	110.50	65,924.24

Security Type/Description Dated Date/Coupon/Maturity	CUSIP	Par	S&P Rating	Moody's Rating	Trade Date	Settle Date	Original Cost	YTM at Cost	Accrued Interest	Market Value
Negotiable CD										
CREDIT SUISSE NEW YORK CERT DEPOS DTD 03/23/2021 0.590% 03/17/2023	22552G3C2	100,000.00	A+	A1	3/19/2021	3/23/2021	100,000.00	0.59	465.44	99,977.80
Security Type Sub-Total		765,000.00					765,000.00	1.01	2,885.90	768,371.60
Municipal										
SCOTTSDALE, AZ TXBL GO BONDS DTD 12/30/2020 0.608% 07/01/2025	810454BL1	55,000.00	AAA	Aaa	12/10/2020	12/30/2020	55,000.00	0.61	167.20	53,975.35
Security Type Sub-Total		55,000.00					55,000.00	0.61	167.20	53,975.35
Local Government Investment Pool										
PFM Funds - Govt Select, Instl Cl		0.00	AAAm	NR			0.00		0.00	0.00
Security Type Sub-Total		0.00					0.00	0.00	0.00	0.00
Federal Agency										
FREDDIE MAC NOTES DTD 04/20/2020 0.375% 04/20/2023	3137EAEQ8	150,000.00	AA+	Aaa	4/17/2020	4/20/2020	149,625.00	0.46	110.94	149,730.45
FREDDIE MAC NOTES DTD 05/07/2020 0.375% 05/05/2023	3137EAER6	100,000.00	AA+	Aaa	8/3/2020	8/4/2020	100,490.00	0.20	58.33	99,774.60
FREDDIE MAC NOTES DTD 05/07/2020 0.375% 05/05/2023	3137EAER6	375,000.00	AA+	Aaa	5/7/2020	5/8/2020	375,558.75	0.32	218.75	374,154.75
FREDDIE MAC NOTES DTD 05/07/2020 0.375% 05/05/2023	3137EAER6	1,295,000.00	AA+	Aaa	6/2/2020	6/5/2020	1,297,408.70	0.31	755.42	1,292,081.07
FANNIE MAE NOTES DTD 05/22/2020 0.250% 05/22/2023	3135G04Q3	135,000.00	AA+	Aaa	5/20/2020	5/22/2020	134,593.65	0.35	36.56	134,433.81
FREDDIE MAC NOTES DTD 06/26/2020 0.250% 06/26/2023	3137EAES4	160,000.00	AA+	Aaa	6/24/2020	6/26/2020	159,532.80	0.35	5.56	159,212.96
FANNIE MAE NOTES DTD 07/10/2020 0.250% 07/10/2023	3135G05G4	210,000.00	AA+	Aaa	7/8/2020	7/10/2020	209,548.50	0.32	249.38	208,845.21

Security Type/Description Dated Date/Coupon/Maturity	CUSIP	Par	S&P Rating	Moody's Rating	Trade Date	Settle Date	Original Cost	YTM at Cost	Accrued Interest	Market Value
Federal Agency										
FANNIE MAE NOTES (CALLABLE) DTD 08/10/2020 0.300% 08/10/2023	3135G05R0	240,000.00	AA+	Aaa	8/11/2020	8/12/2020	239,568.00	0.36	282.00	238,532.16
FANNIE MAE NOTES (CALLABLE) DTD 08/18/2020 0.360% 08/18/2023	3135G05V1	145,000.00	AA+	Aaa	8/20/2020	8/21/2020	145,000.00	0.36	192.85	144,220.63
FREDDIE MAC NOTES DTD 08/21/2020 0.250% 08/24/2023	3137EAEV7	105,000.00	AA+	Aaa	8/19/2020	8/21/2020	104,892.90	0.28	92.60	104,325.17
FREDDIE MAC NOTES DTD 09/04/2020 0.250% 09/08/2023	3137EAEW5	50,000.00	AA+	Aaa	9/2/2020	9/4/2020	50,009.13	0.24	39.24	49,637.85
FREDDIE MAC NOTES DTD 09/04/2020 0.250% 09/08/2023	3137EAEW5	70,000.00	AA+	Aaa	9/2/2020	9/4/2020	69,976.90	0.26	54.93	69,492.99
FREDDIE MAC NOTES DTD 10/16/2020 0.125% 10/16/2023	3137EAEY1	155,000.00	AA+	Aaa	10/14/2020	10/16/2020	154,421.85	0.25	40.36	153,382.11
FREDDIE MAC NOTES DTD 11/05/2020 0.250% 11/06/2023	3137EAEZ8	570,000.00	AA+	Aaa	11/3/2020	11/5/2020	569,487.00	0.28	217.71	564,960.63
FANNIE MAE NOTES DTD 11/25/2020 0.250% 11/27/2023	3135G06H1	150,000.00	AA+	Aaa	11/23/2020	11/25/2020	149,829.00	0.29	35.42	148,604.10
FANNIE MAE NOTES DTD 11/25/2020 0.250% 11/27/2023	3135G06H1	205,000.00	AA+	Aaa	1/7/2021	1/8/2021	205,055.35	0.24	48.40	203,092.27
FREDDIE MAC NOTES DTD 12/04/2020 0.250% 12/04/2023	3137EAF2	95,000.00	AA+	Aaa	12/2/2020	12/4/2020	94,905.95	0.28	17.81	94,088.95
FREDDIE MAC NOTES DTD 12/04/2020 0.250% 12/04/2023	3137EAF2	705,000.00	AA+	Aaa	12/4/2020	12/7/2020	704,739.15	0.26	132.19	698,239.05
Security Type Sub-Total		4,915,000.00					4,914,642.63	0.30	2,588.45	4,886,808.76
Corporate										
AMAZON.COM INC CORP NOTES DTD 11/29/2012 2.500% 11/29/2022	023135AJ5	100,000.00	AA	A1	6/9/2020	6/11/2020	104,546.00	0.64	222.22	101,382.10
ADOBE INC CORP NOTE DTD 02/03/2020 1.700% 02/01/2023	00724PAA7	100,000.00	A+	A2	1/22/2020	2/3/2020	99,863.00	1.75	708.33	101,101.70
CATERPILLAR FINL SERVICE CORPORATE NOTES DTD 03/01/2021 0.250% 03/01/2023	14913R2J5	95,000.00	A	A2	2/22/2021	3/1/2021	94,918.30	0.29	79.17	94,716.43

Security Type/Description Dated Date/Coupon/Maturity	CUSIP	Par	S&P Rating	Moody's Rating	Trade Date	Settle Date	Original Cost	YTM at Cost	Accrued Interest	Market Value
Corporate										
HERSHEY COMPANY DTD 05/10/2018 3.375% 05/15/2023	427866AZ1	85,000.00	A	A1	3/11/2020	3/13/2020	88,299.70	2.10	366.56	87,933.69
TOYOTA MOTOR CREDIT CORP CORPORATE NOTES DTD 05/26/2020 1.350% 08/25/2023	89236THA6	75,000.00	A+	A1	5/20/2020	5/26/2020	74,972.25	1.36	354.38	75,633.60
AMAZON.COM INC CORPORATE NOTES DTD 05/12/2021 0.450% 05/12/2024	023135BW5	70,000.00	AA	A1	5/10/2021	5/12/2021	69,897.80	0.50	42.88	69,271.23
BANK OF AMERICA CORP (CALLABLE) CORPORAT DTD 10/21/2020 0.810% 10/24/2024	06051GJH3	100,000.00	A-	A2	10/16/2020	10/21/2020	100,000.00	0.81	150.75	99,341.50
JPMORGAN CHASE & CO CORPORATE NOTES DTD 06/01/2021 0.824% 06/01/2025	46647PCH7	115,000.00	A-	A2	5/24/2021	6/1/2021	115,000.00	0.82	78.97	113,627.02
JPMORGAN CHASE & CO CORPORATE NOTES DTD 08/10/2021 0.768% 08/09/2025	46647PCM6	60,000.00	A-	A2	8/3/2021	8/10/2021	60,000.00	0.77	180.48	59,065.44
Security Type Sub-Total		800,000.00					807,497.05	1.01	2,183.74	802,072.71
Managed Account Sub Total		13,557,000.00					13,595,142.46		18,865.03	13,510,358.42
Securities Sub Total		\$13,557,000.00					\$13,595,142.46		\$18,865.03	\$13,510,358.42
Accrued Interest										\$18,865.03
Total Investments										\$13,529,223.45

Quarterly Portfolio Transactions

Trade Date	Settle Date	Par (\$)	CUSIP	Security Description	Coupon	Maturity Date	Transact Amount (\$)	Yield at Market	Realized G/L (BV)
BUY									
10/4/2021	10/6/2021	235,000.00	91282CCX7	US TREASURY N/B NOTES	0.37%	9/15/2024	234,179.05	0.50%	
11/2/2021	11/3/2021	105,000.00	91282CDB4	US TREASURY N/B NOTES	0.62%	10/15/2024	104,734.84	0.72%	
12/3/2021	12/7/2021	465,000.00	91282CDH1	US TREASURY N/B NOTES	0.75%	11/15/2024	463,195.74	0.90%	
12/9/2021	12/15/2021	185,000.00	91282CDN8	US TREASURY N/B NOTES	1.00%	12/15/2024	185,028.91	0.99%	
Total BUY		990,000.00					987,138.54		0.00
INTEREST									
8/16/2021	10/1/2021	150,000.00	90275DNC0	UBS AG STAMFORD CT CERT DEPOS	0.25%	8/16/2022	186.46		
10/1/2021	10/1/2021		MONEY0002	MONEY MARKET FUND			2.78		
10/15/2021	10/15/2021	595,000.00	91282CBV2	US TREASURY N/B NOTES	0.37%	4/15/2024	1,115.63		
10/16/2021	10/16/2021	155,000.00	3137EAEY1	FREDDIE MAC NOTES	0.12%	10/16/2023	96.88		
10/20/2021	10/20/2021	150,000.00	3137EAEQ8	FREDDIE MAC NOTES	0.37%	4/20/2023	281.25		
10/24/2021	10/24/2021	100,000.00	06051GJH3	BANK OF AMERICA CORP (CALLABLE) CORPORAT	0.81%	10/24/2024	405.00		
11/1/2021	11/1/2021		MONEY0002	MONEY MARKET FUND			0.09		
11/5/2021	11/5/2021	1,770,000.00	3137EAER6	FREDDIE MAC NOTES	0.37%	5/5/2023	3,318.75		
11/6/2021	11/6/2021	570,000.00	3137EAEZ8	FREDDIE MAC NOTES	0.25%	11/6/2023	712.50		
11/12/2021	11/12/2021	70,000.00	023135BW5	AMAZON.COM INC CORPORATE NOTES	0.45%	5/12/2024	157.50		
11/15/2021	11/15/2021	200,000.00	91282CCC3	US TREASURY N/B NOTES	0.25%	5/15/2024	250.00		

Quarterly Portfolio Transactions

Trade Date	Settle Date	Par (\$)	CUSIP	Security Description	Coupon	Maturity Date	Transact Amount (\$)	Yield at Market	Realized G/L (BV)
INTEREST									
11/15/2021	11/15/2021	85,000.00	427866AZ1	HERSHEY COMPANY	3.37%	5/15/2023	1,434.38		
11/15/2021	11/15/2021	340,000.00	912828TY6	US TREASURY NOTES	1.62%	11/15/2022	2,762.50		
11/22/2021	11/22/2021	135,000.00	3135G04Q3	FANNIE MAE NOTES	0.25%	5/22/2023	168.75		
11/27/2021	11/27/2021	355,000.00	3135G06H1	FANNIE MAE NOTES	0.25%	11/27/2023	443.75		
11/29/2021	11/29/2021	100,000.00	023135AJ5	AMAZON.COM INC CORP NOTES	2.50%	11/29/2022	1,250.00		
11/30/2021	11/30/2021	20,000.00	912828M80	US TREASURY NOTES	2.00%	11/30/2022	200.00		
11/30/2021	11/30/2021	260,000.00	912828YV6	US TREASURY NOTES	1.50%	11/30/2024	1,950.00		
11/30/2021	11/30/2021	885,000.00	91282CCD1	US TREASURY N/B NOTES	0.12%	5/31/2023	553.13		
12/1/2021	12/1/2021		MONEY0002	MONEY MARKET FUND			0.15		
12/1/2021	12/1/2021	115,000.00	46647PCH7	JPMORGAN CHASE & CO CORPORATE NOTES	0.82%	6/1/2025	473.80		
12/2/2021	12/2/2021	65,000.00	23341VZT1	DNB BANK ASA/NY LT CD	2.04%	12/2/2022	674.05		
12/4/2021	12/4/2021	800,000.00	3137EAFA2	FREDDIE MAC NOTES	0.25%	12/4/2023	1,000.00		
12/15/2021	12/15/2021	230,000.00	912828ZU7	US TREASURY NOTES	0.25%	6/15/2023	287.50		
12/15/2021	12/15/2021	259,000.00	912828YW4	US TREASURY NOTES	1.62%	12/15/2022	2,104.38		
12/26/2021	12/26/2021	160,000.00	3137EAES4	FREDDIE MAC NOTES	0.25%	6/26/2023	200.00		
12/31/2021	12/31/2021	30,000.00	912828N30	US TREASURY NOTES	2.12%	12/31/2022	318.75		
Total INTEREST		7,599,000.00					20,347.98		0.00

Quarterly Portfolio Transactions

Trade Date	Settle Date	Par (\$)	CUSIP	Security Description	Coupon	Maturity Date	Transact Amount (\$)	Yield at Market	Realized G/L (BV)
SELL									
10/4/2021	10/6/2021	235,000.00	06742TWL6	BARCLAYS BANK PLC NY CERT DEPOS	0.29%	2/4/2022	235,556.98		110.22
11/2/2021	11/3/2021	105,000.00	3137EAET2	FREDDIE MAC NOTES	0.12%	7/25/2022	105,036.78		86.63
12/3/2021	12/7/2021	100,000.00	02665WCY5	AMERICAN HONDA FINANCE	2.20%	6/27/2022	101,896.78		999.76
12/3/2021	12/7/2021	340,000.00	912828TY6	US TREASURY NOTES	1.62%	11/15/2022	344,599.05		4,326.73
Total SELL		780,000.00					787,089.59		5,523.34

Quarterly Portfolio Transactions

Tran. Type	Trade Date	Settle Date	Par (\$)	CUSIP	Security Description	Coupon	Maturity Date	Transact Amount (\$)	Yield at Market	Realized G/L (BV)
BUY	10/4/2021	10/6/2021	235,000.00	91282CCX7	US TREASURY N/B NOTES	0.37%	9/15/2024	234,179.05	0.50%	
BUY	11/2/2021	11/3/2021	105,000.00	91282CDB4	US TREASURY N/B NOTES	0.62%	10/15/2024	104,734.84	0.72%	
BUY	12/3/2021	12/7/2021	465,000.00	91282CDH1	US TREASURY N/B NOTES	0.75%	11/15/2024	463,195.74	0.90%	
BUY	12/9/2021	12/15/2021	185,000.00	91282CDN8	US TREASURY N/B NOTES	1.00%	12/15/2024	185,028.91	0.99%	
INTEREST	8/16/2021	10/1/2021	150,000.00	90275DNC0	UBS AG STAMFORD CT CERT DEPOS	0.25%	8/16/2022	186.46		
INTEREST	10/1/2021	10/1/2021		MONEY0002	MONEY MARKET FUND			2.78		
INTEREST	10/15/2021	10/15/2021	595,000.00	91282CBV2	US TREASURY N/B NOTES	0.37%	4/15/2024	1,115.63		
INTEREST	10/16/2021	10/16/2021	155,000.00	3137EAEY1	FREDDIE MAC NOTES	0.12%	10/16/2023	96.88		
INTEREST	10/20/2021	10/20/2021	150,000.00	3137EAEQ8	FREDDIE MAC NOTES	0.37%	4/20/2023	281.25		
INTEREST	10/24/2021	10/24/2021	100,000.00	06051GJH3	BANK OF AMERICA CORP (CALLABLE)	0.81%	10/24/2024	405.00		
INTEREST	11/1/2021	11/1/2021		MONEY0002	MONEY MARKET FUND			0.09		
INTEREST	11/5/2021	11/5/2021	1,770,000.00	3137EAER6	FREDDIE MAC NOTES	0.37%	5/5/2023	3,318.75		
INTEREST	11/6/2021	11/6/2021	570,000.00	3137EAEZ8	FREDDIE MAC NOTES	0.25%	11/6/2023	712.50		
INTEREST	11/12/2021	11/12/2021	70,000.00	023135BW5	AMAZON.COM INC CORPORATE NOTES	0.45%	5/12/2024	157.50		
INTEREST	11/15/2021	11/15/2021	200,000.00	91282CCC3	US TREASURY N/B NOTES	0.25%	5/15/2024	250.00		
INTEREST	11/15/2021	11/15/2021	85,000.00	427866AZ1	HERSHEY COMPANY	3.37%	5/15/2023	1,434.38		
INTEREST	11/15/2021	11/15/2021	340,000.00	912828TY6	US TREASURY NOTES	1.62%	11/15/2022	2,762.50		
INTEREST	11/22/2021	11/22/2021	135,000.00	3135G04Q3	FANNIE MAE NOTES	0.25%	5/22/2023	168.75		

Quarterly Portfolio Transactions

Tran. Type	Trade Date	Settle Date	Par (\$)	CUSIP	Security Description	Coupon	Maturity Date	Transact Amount (\$)	Yield at Market	Realized G/L (BV)
INTEREST	11/27/2021	11/27/2021	355,000.00	3135G06H1	FANNIE MAE NOTES	0.25%	11/27/2023	443.75		
INTEREST	11/29/2021	11/29/2021	100,000.00	023135AJ5	AMAZON.COM INC CORP NOTES	2.50%	11/29/2022	1,250.00		
INTEREST	11/30/2021	11/30/2021	20,000.00	912828M80	US TREASURY NOTES	2.00%	11/30/2022	200.00		
INTEREST	11/30/2021	11/30/2021	260,000.00	912828YV6	US TREASURY NOTES	1.50%	11/30/2024	1,950.00		
INTEREST	11/30/2021	11/30/2021	885,000.00	91282CCD1	US TREASURY N/B NOTES	0.12%	5/31/2023	553.13		
INTEREST	12/1/2021	12/1/2021		MONEY0002	MONEY MARKET FUND			0.15		
INTEREST	12/1/2021	12/1/2021	115,000.00	46647PCH7	JPMORGAN CHASE & CO CORPORATE	0.82%	6/1/2025	473.80		
INTEREST	12/2/2021	12/2/2021	65,000.00	23341VZT1	DNB BANK ASA/NY LT CD	2.04%	12/2/2022	674.05		
INTEREST	12/4/2021	12/4/2021	800,000.00	3137EAFA2	FREDDIE MAC NOTES	0.25%	12/4/2023	1,000.00		
INTEREST	12/15/2021	12/15/2021	230,000.00	912828ZU7	US TREASURY NOTES	0.25%	6/15/2023	287.50		
INTEREST	12/15/2021	12/15/2021	259,000.00	912828YW4	US TREASURY NOTES	1.62%	12/15/2022	2,104.38		
INTEREST	12/26/2021	12/26/2021	160,000.00	3137EAES4	FREDDIE MAC NOTES	0.25%	6/26/2023	200.00		
INTEREST	12/31/2021	12/31/2021	30,000.00	912828N30	US TREASURY NOTES	2.12%	12/31/2022	318.75		
SELL	10/4/2021	10/6/2021	235,000.00	06742TWL6	BARCLAYS BANK PLC NY CERT DEPOS	0.29%	2/4/2022	235,556.98		110.22
SELL	11/2/2021	11/3/2021	105,000.00	3137EAET2	FREDDIE MAC NOTES	0.12%	7/25/2022	105,036.78		86.63
SELL	12/3/2021	12/7/2021	100,000.00	02665WCY5	AMERICAN HONDA FINANCE	2.20%	6/27/2022	101,896.78		999.76
SELL	12/3/2021	12/7/2021	340,000.00	912828TY6	US TREASURY NOTES	1.62%	11/15/2022	344,599.05		4,326.73
TOTALS			9,369,000.00					1,794,576.11		5,523.34

Important Disclosures

This material is for general information purposes only and is not intended to provide specific advice or a specific recommendation, as it was prepared without regard to any specific objectives or financial circumstances.

Investment advisory services are provided by PFM Asset Management LLC ("PFMAM"), an investment adviser registered with the U.S. Securities and Exchange Commission and a subsidiary of U.S. Bancorp Asset Management, Inc. ("USBAM"). USBAM is a subsidiary of U.S. Bank National Association ("U.S. Bank"). U.S. Bank is a separate entity and subsidiary of U.S. Bancorp. U.S. Bank is not responsible for and does not guarantee the products, services or performance of PFMAM. The information contained is not an offer to purchase or sell any securities. Additional applicable regulatory information is available upon request.

PFMAM professionals have exercised reasonable professional care in the preparation of this performance report. Information in this report is obtained from sources external to PFMAM and is generally believed to be reliable and available to the public; however, we cannot guarantee its accuracy, completeness or suitability. We rely on the client's custodian for security holdings and market values. Transaction dates reported by the custodian may differ from money manager statements. While efforts are made to ensure the data contained herein is accurate and complete, we disclaim all responsibility for any errors that may occur. References to particular issuers are for illustrative purposes only and are not intended to be recommendations or advice regarding such issuers. Fixed income manager and index characteristics are gathered from external sources. When average credit quality is not available, it is estimated by taking the market value weights of individual credit tiers on the portion of the strategy rated by a NRSRO.

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.

For more information regarding PFMAM's services or entities, please visit www.pfmam.com.

© 2022 PFM Asset Management LLC. Further distribution is not permitted without prior written consent.

Important Disclosures

- 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 of 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.