pfm asset management

CITY OF CHANDLER
HEALTH CARE BENEFITS TRUST

Investment Performance Review
For the Quarter Ended March 31, 2023

Client Management Team

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

PFM Asset Management LLC

1201 South Alma School Rd.
Suite 3000
Mesa, AZ 85210
520-260-1574

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

NOT FDIC INSURED : NO BANK GUARANTEE : MAY LOSE VALUE

For Institutional Investor or Investment Professional Use Only - This material is not for inspection by, distribution to, or quotation to the general public

Agenda

- Market Summary
- Account Summary
- Portfolio Review

Market Summary

Current Market Themes



- The U.S. economy is characterized by:
  - Lingering inflation that remains well above the Fed's long-term inflation target
  - A labor market showing the first signs of moderation
  - Greater economic uncertainty following the surprise failure of Silicon Valley Bank and Signature Bank



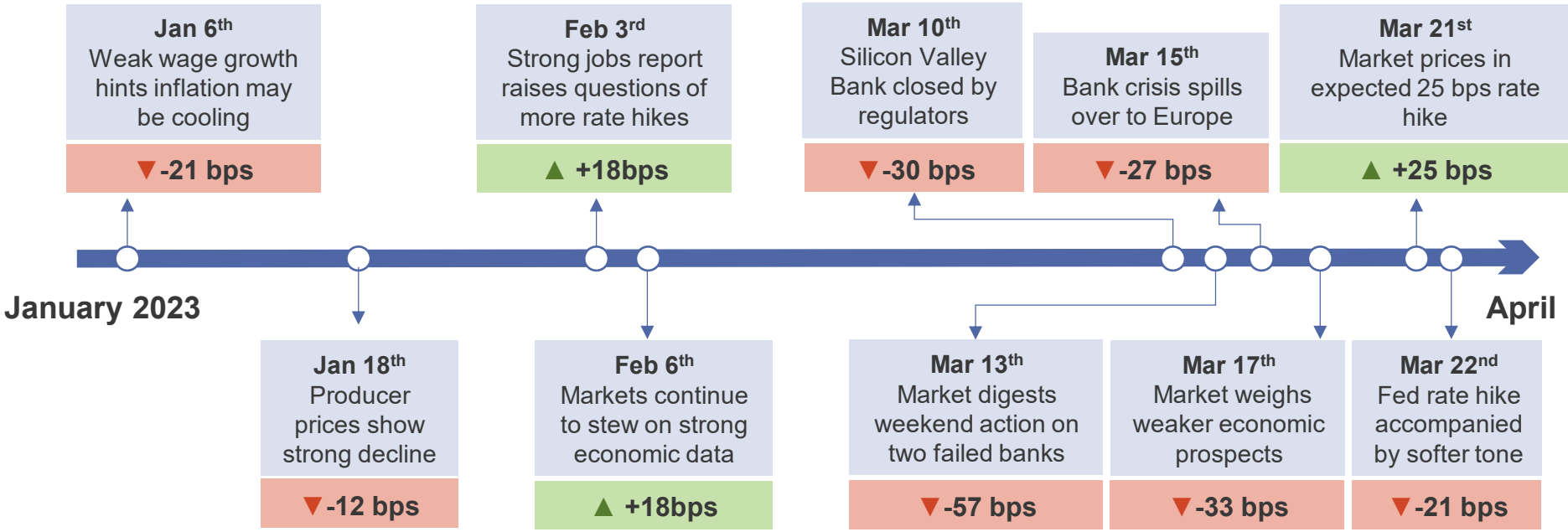
- Fed policy tightening may be nearly complete
  - The most recent FOMC statement noted that "some additional policy firming may be appropriate," but the need for more rate hikes has become less clear
  - Although the Fed acknowledged the impact of the recent bank failures, their March updated Summary of Economic Projections were little changed from December
  - The Fed has maintained that they will keep rates elevated for some time, but the market is pricing in rate cuts beginning mid-year



- Bond markets saw unprecedented volatility in March
  - In a classic "flight to quality," Treasury yields fell sharply, with the 2-year Treasury yield falling from 5.07% on March 8 to under 4.00% on March 17
  - The curve inversion from 3 months to 10 years reached the deepest levels in over 40 years
  - Credit yield spreads widened, especially those on banks, but not nearly to levels seen during the global financial crisis

Market Events Drive Large Yield Moves

Major Economic and Market Events and the Daily Change in the 2-Year U.S. Treasury Yield



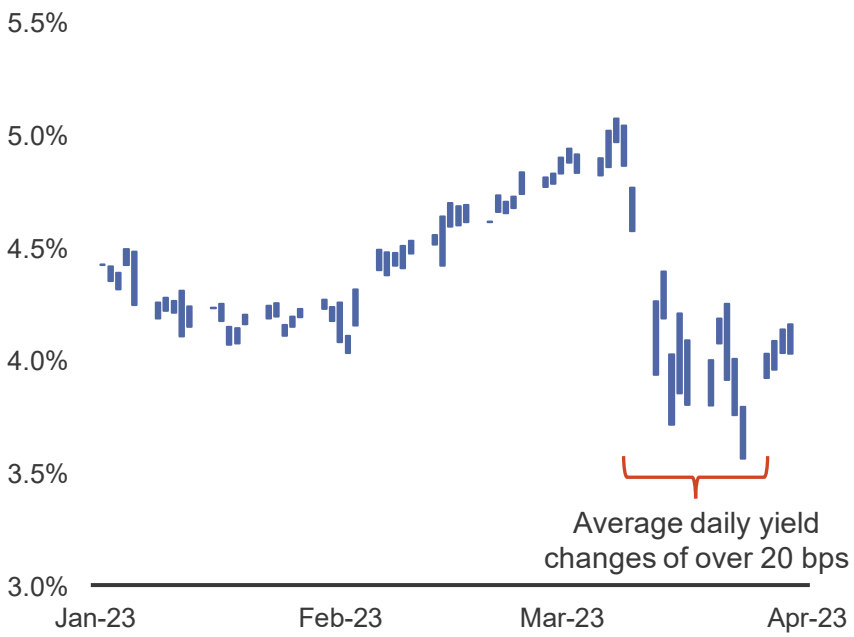
▼/▲ *Changes in 2-Year Treasury*

Bond Markets Saw Unprecedented Volatility in March

The surprise failure of two large U.S. banks caused volatility in the markets. In a classic "flight to quality", Treasury yields fell sharply, with the 2-year Treasury yield falling from 5.07% on March 8 to 4.03% on March 31.

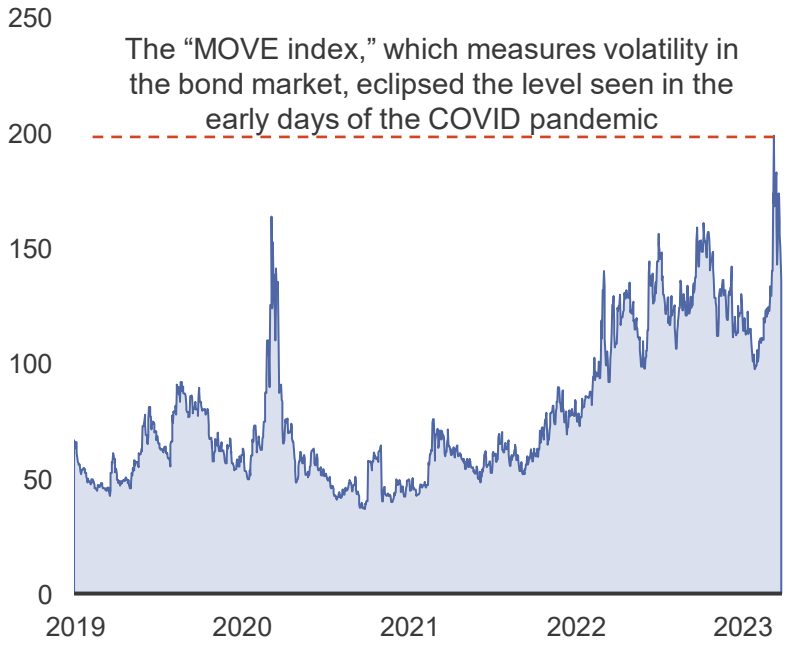
2-Year Treasury

Daily High and Low Yield



Fixed Income Market Volatility

ICE BofA MOVE Index

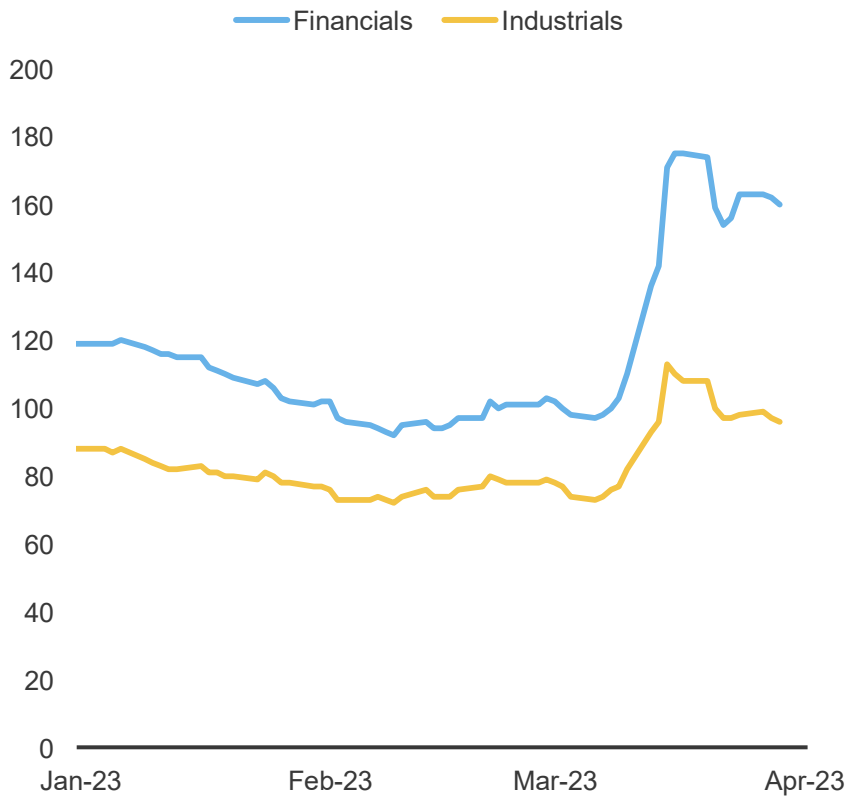


Source: Bloomberg, ICE BofA Indices. As of 03/31/2023.

Corporate Yield Spreads Modestly Wider, Led By Financials

Investment Grade Corporate Spreads

1-5 Year U.S. Corporate Index



Difference Between Financial and Industrial Corporate Yield Spreads

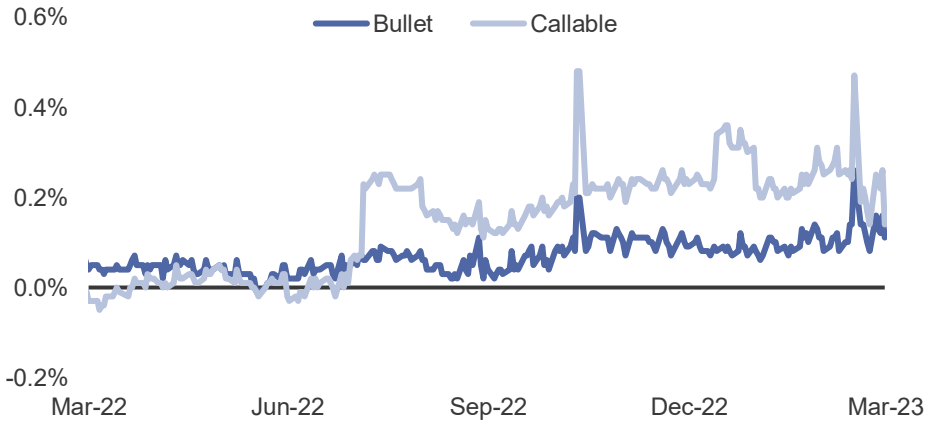
1-5 Year U.S. Corporate Index



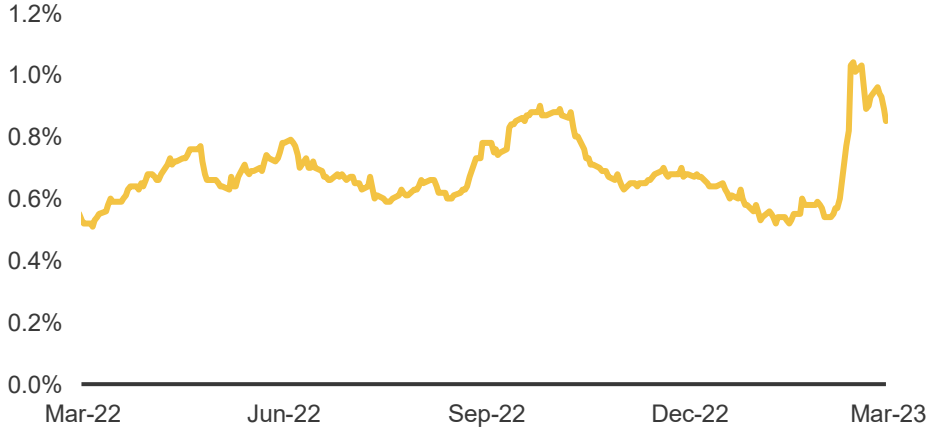
Source: Bloomberg, ICE BofA Indices as of 03/31/2023.

Sector Yield Spreads

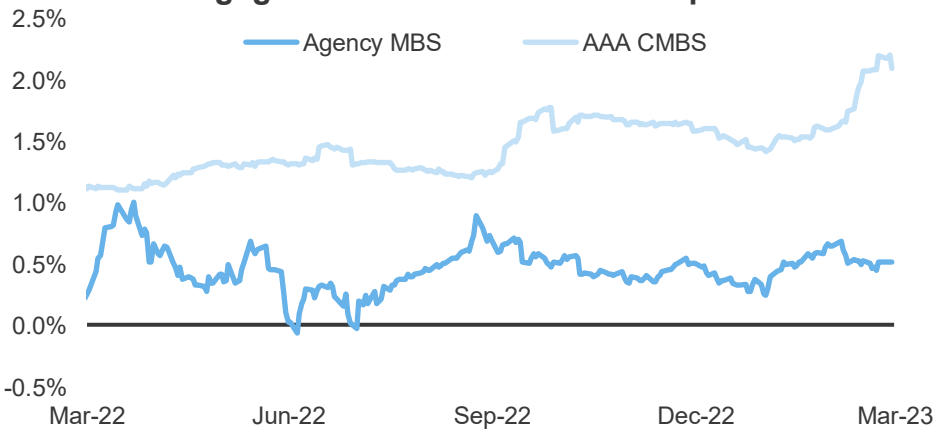
Federal Agency Yield Spreads



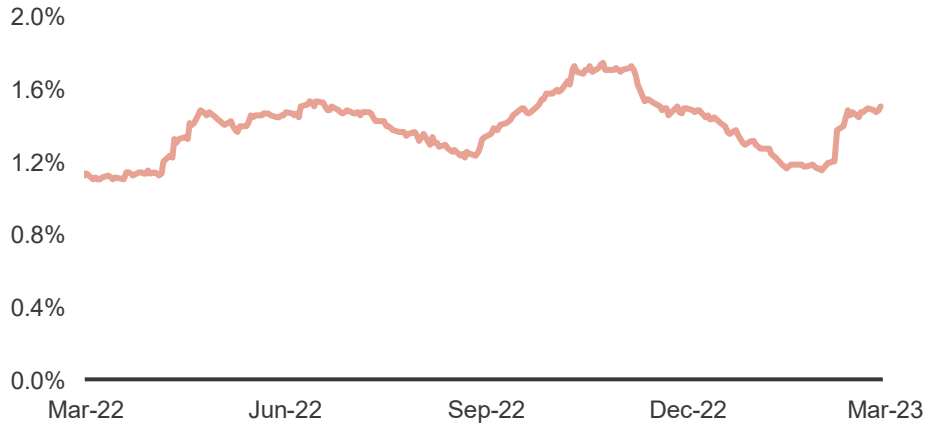
Corporate Notes A-AAA Yield Spreads



Mortgage-Backed Securities Yield Spreads



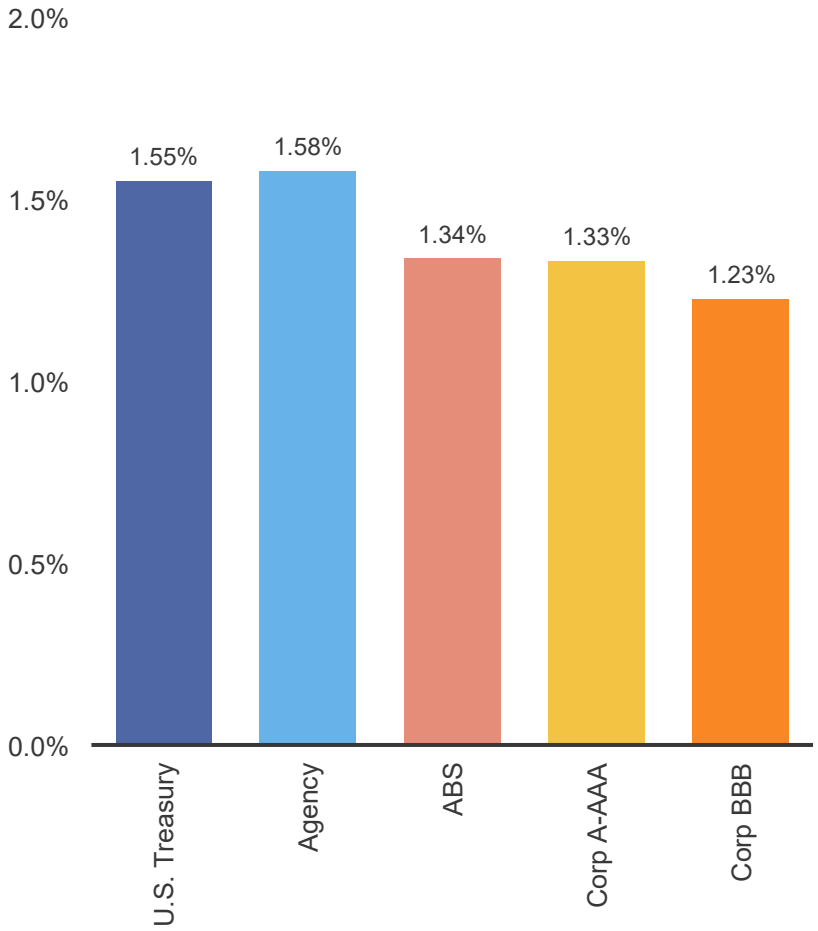
Asset-Backed Securities AAA Yield Spreads



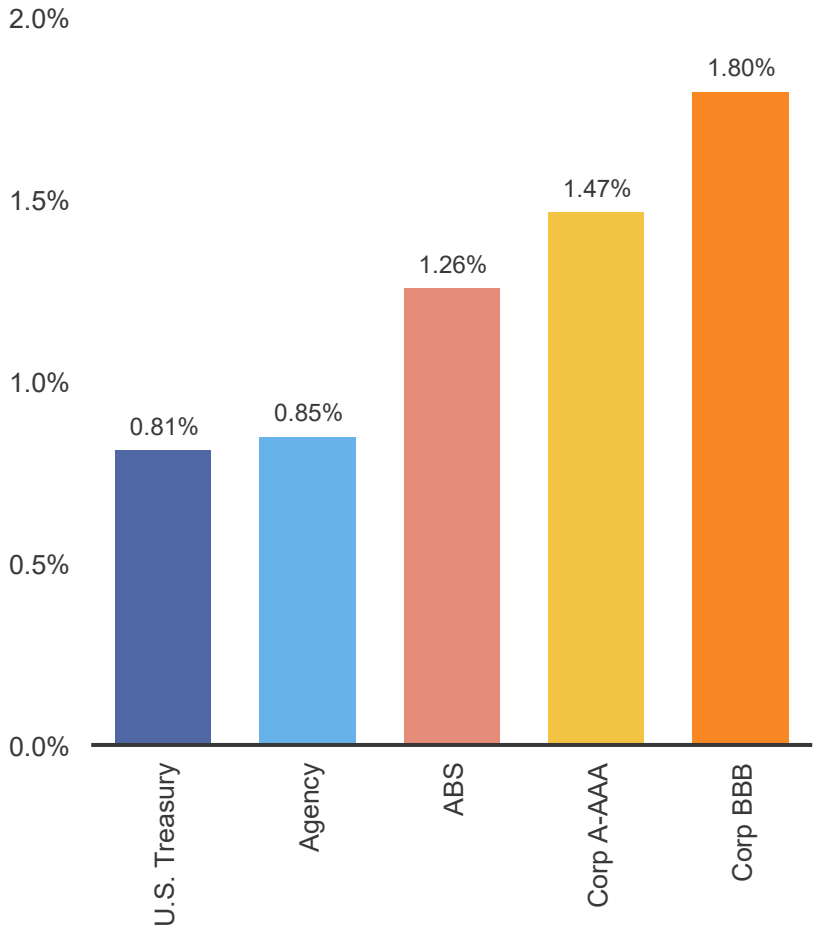
Source: ICE BofAML 1-3 year Indices via Bloomberg, MarketAxess and PFMAM as of 03/31/2023. Spreads on ABS and MBS are option-adjusted spreads of 0-3 year indices based on weighted average life; spreads on agencies are relative to comparable maturity Treasuries.
CMBS is Commercial Mortgage-Backed Securities.

Fixed-Income Markets in Q1 2023

1-3 Year Indices Quarterly Returns



10-Year Average



Source: ICE BofAML Indices. ABS indices are 0-3 year, based on weighted average life. As of 03/31/2023.

Account Summary

Fixed-Income Sector Commentary – 1Q 2023

- **U.S. Treasury** experienced a classic "flight-to-quality" in March which caused 2-Year U.S. Treasury yields to plummet by more than 100 basis points in the biggest 3-day slide since 1987. Yields across the curve followed suit and shifted lower, further inverting the yield curve.
- **Federal agency** yield spreads widened this quarter as interest rates fell and new issuance was heavy. Callable agency spreads also widened for certain structures with the surge in market volatility.
- **Supranational** issuance experienced a strong start to the year as the value of U.S. dollar funding levels improved throughout Q1 vs. the Euro. Spreads ended the quarter tighter and the sector generated strong excess returns vs. other fixed income sectors.
- **Investment-Grade Corporate** fundamentals were stable to start the year, with yield spreads priced for continued economic growth and benign credit markets. However, spreads ended the quarter markedly wider, led by financials, in response to concerns in the banking sector. Spreads on industrial issues widened less, but appeared attractive relative to recent levels when considering the strength of their fundamentals.
- **Asset-Backed Security** fundamentals remain positive for prime deals. Collateral performance has slightly deteriorated, but remains well within typical historical norms. The new issue market has been active, causing spreads to touch multi-month wides near quarter-end.
- **Mortgage-Backed Securities** underperformed Treasuries for the quarter after outperforming during the first two months of the year. Elevated mortgage rates are leading to slower refinancings and prepayments while volatility led to wider spreads.
- **Taxable Municipal** saw little activity in Q1 and what issuance occurred was heavily oversubscribed. The secondary market had few opportunities as spreads were generally unattractive favoring sells over buys.
- **Short-term credit** (commercial paper and CDs) was impacted by the debt ceiling impasse to start the quarter and spreads narrowed. Along with the broad risk-off widening of credit in Q1, however, there were large dislocations between primary (new issue) and secondary offerings and a wide dispersion between financial and non-financial names. Short-term rates remain near the highest level in 15 years.

Account Summary

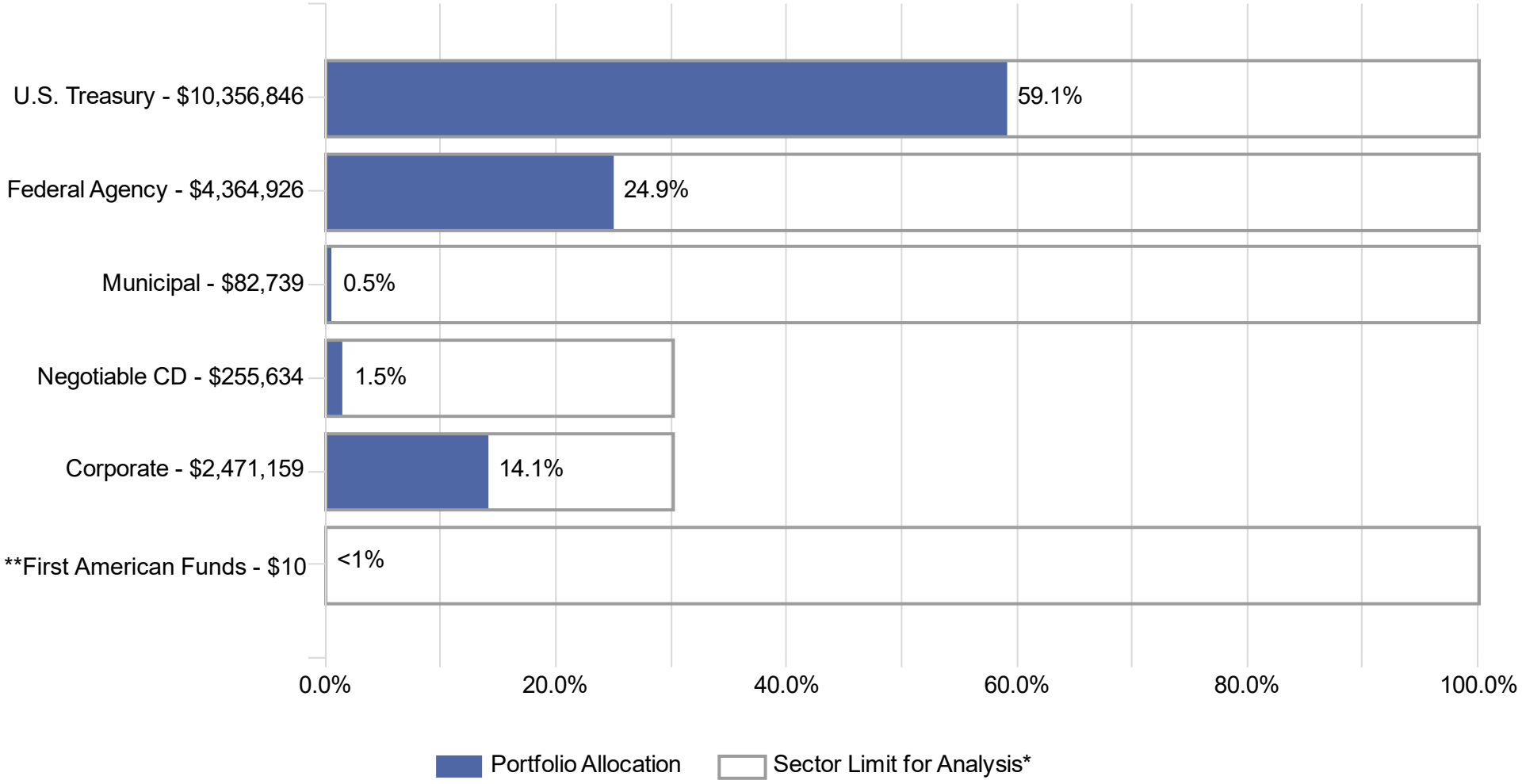
CHANDLER HEALTH CARE BENEFITS TRUST

Portfolio Values	March 31, 2023
PFMAM Managed Account	$17,441,644
Amortized Cost	$17,703,017
Market Value	$17,441,644
Accrued Interest	$89,659
Cash	$1,578,745

Analytics[1]	March 31, 2023
Yield at Market	4.32%
Yield on Cost	2.64%
Portfolio Duration	1.61

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

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.*
*** First American Funds balance as of 4/17/23.*

Issuer Diversification

Security Type / Issuer	Market Value (%)	S&P / Moody's / Fitch
U.S. Treasury	**59.1%**	
UNITED STATES TREASURY	59.1%	AA / Aaa / AAA
Federal Agency	**24.9%**	
FANNIE MAE	10.1%	AA / Aaa / AAA
FEDERAL HOME LOAN BANKS	4.9%	AA / Aaa / NR
FREDDIE MAC	9.8%	AA / Aaa / AAA
Municipal	**0.5%**	
CITY OF SCOTTSDALE	0.5%	AAA / Aaa / AAA
Negotiable CD	**1.5%**	
TORONTO-DOMINION BANK	1.5%	A / A / NR
Corporate	**14.1%**	
AMAZON.COM INC	1.2%	AA / A / AA
APPLE INC	1.5%	AA / Aaa / NR
BANK OF AMERICA CO	0.8%	A / A / AA
CISCO SYSTEMS INC	1.3%	AA / A / NR
HERSHEY COMPANY	1.0%	A / A / NR
INTEL CORPORATION	0.8%	A / A / A
JP MORGAN CHASE & CO	1.2%	A / A / AA
MICROSOFT CORP	1.5%	AAA / Aaa / NR
NOVARTIS AG	1.3%	AA / A / AA
PEPSICO INC	0.9%	A / A / NR
TEXAS INSTRUMENTS INC	0.2%	A / Aa / NR
TOYOTA MOTOR CORP	0.8%	A / A / A
WAL-MART STORES INC	1.7%	AA / Aa / AA
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. Includes accrued interest and excludes balances invested in overnight funds.

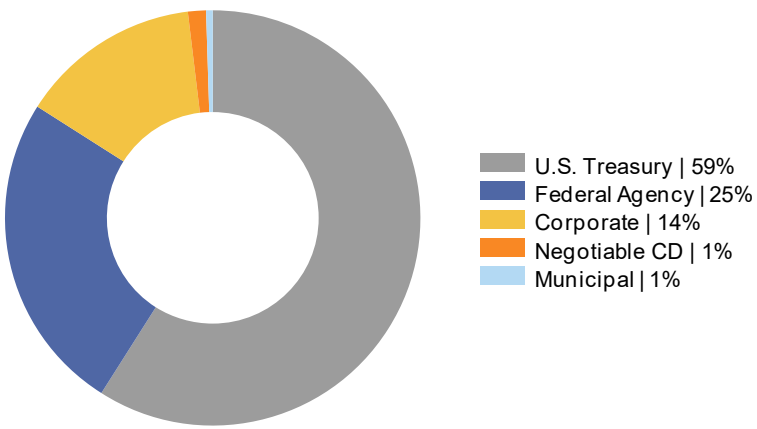
Portfolio Review:
CHANDLER HEALTH CARE BENEFITS TRUST

Portfolio Snapshot - CHANDLER HEALTH CARE BENEFITS TRUST[1]

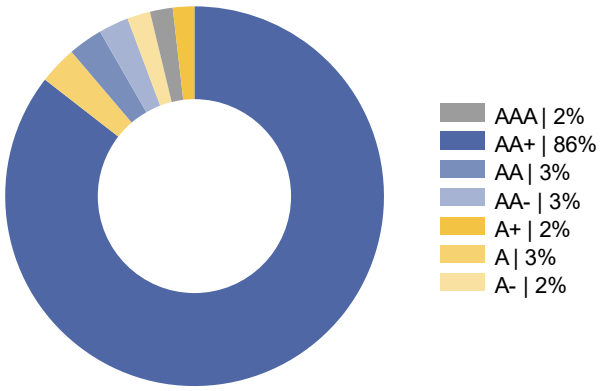
Portfolio Statistics

Total Market Value	$19,110,047.88
Securities Sub-Total	*$17,441,644.46*
Accrued Interest	*$89,658.82*
Cash	*$1,578,744.60*
Portfolio Effective Duration	1.61 years
Benchmark Effective Duration	1.75 years
Yield At Cost	2.64%
Yield At Market	4.32%
Portfolio Credit Quality	AA

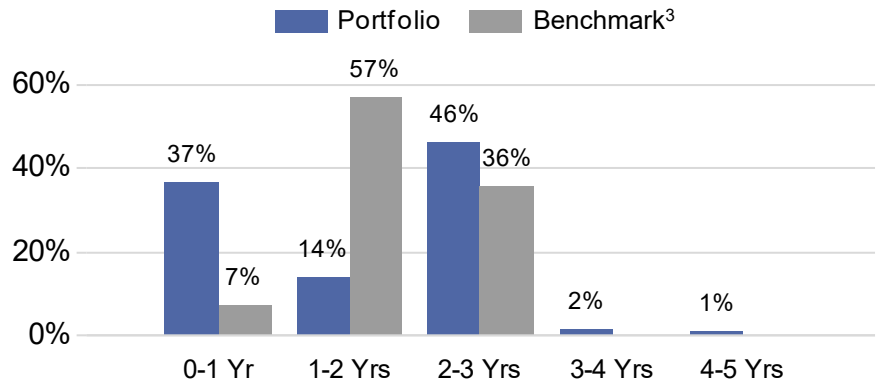
Sector Allocation



Credit Quality - S&P[2]



Duration Distribution



1. *Yield and duration calculations exclude cash and cash equivalents. Sector allocation includes market values and accrued interest.*
2. *An average of each security's credit rating was assigned a numeric value and adjusted for its relative weighting in the portfolio.*
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. Prior to 9/30/12 it was the ICE BofAML 0-6 Month U.S Treasury Index. Source: Bloomberg.*

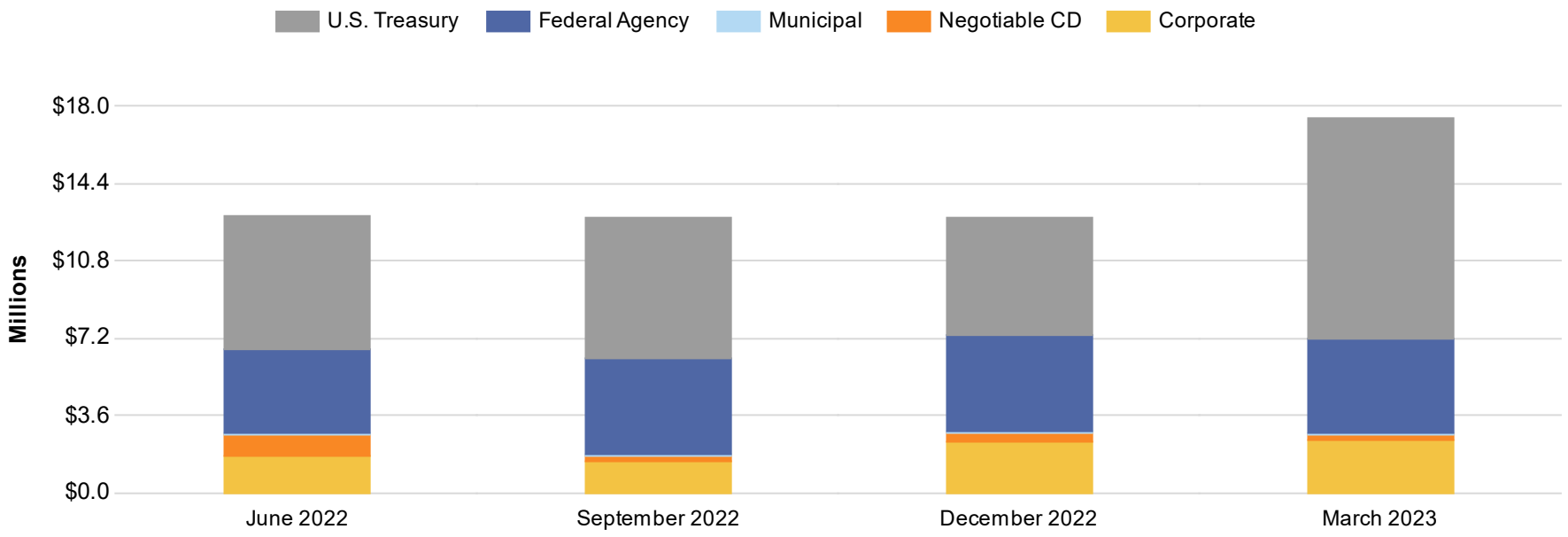
Liquidity Vehicle	Quarter-End Yield
Allspring Treasury Plus Money Market A Fund[1]	4.45%
First American Funds[2]	4.44%

1. *Allspring Treasury Plus Money Market A Fund ticker symbol PISXX. Account yield from the Fund Fact Sheet as of 3/31/23.*

2. *First American Funds ticker symbol FGZXX; Account yield from statement as of 3/31/23. For U.S. Treasury, Treasury Obligations and Government Obligations – You could lose money by investing in the Fund. Although the Fund seeks to preserve the value of your investment at $1.00 per share, it cannot guarantee it will do so. An investment in the Fund is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. The Fund's sponsor has no legal obligation to provide financial support to the Fund, and you should not expect that the sponsor will provide financial support to the Fund at any time.*

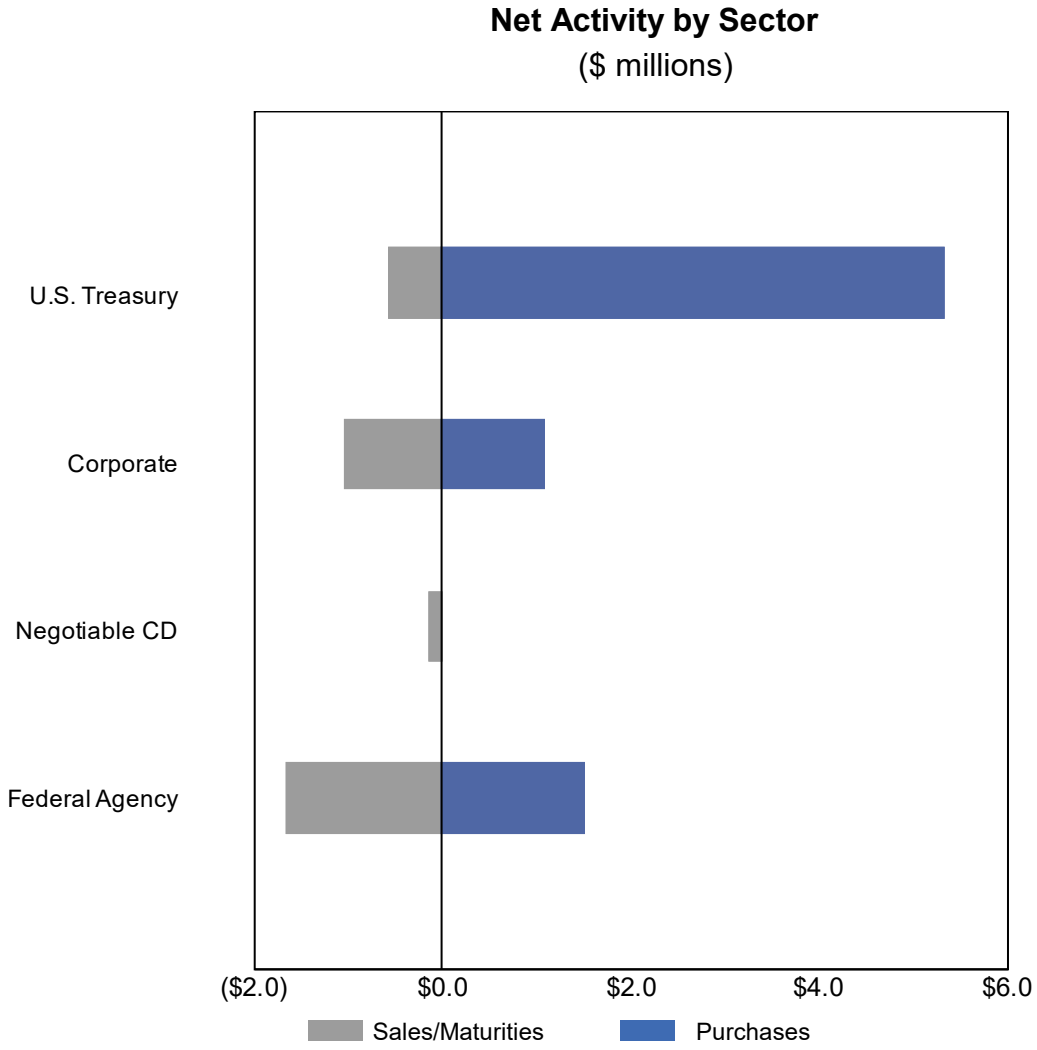
Sector Allocation Review - CHANDLER HEALTH CARE BENEFITS TRUST

Security Type	Jun-22	% of Total	Sep-22	% of Total	Dec-22	% of Total	Mar-23	% of Total
U.S. Treasury	$6.2	48.1%	$6.5	51.2%	$5.5	42.9%	$10.3	59.0%
Federal Agency	$3.9	30.2%	$4.5	34.9%	$4.5	35.0%	$4.4	25.0%
Municipal	$0.1	0.7%	$0.1	0.6%	$0.1	0.6%	$0.1	0.5%
Negotiable CD	$1.0	7.8%	$0.3	2.1%	$0.4	3.0%	$0.2	1.4%
Corporate	$1.7	13.2%	$1.4	11.2%	$2.4	18.5%	$2.5	14.1%
Total	**$12.9**	**100.0%**	**$12.8**	**100.0%**	**$12.8**	**100.0%**	**$17.4**	**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.

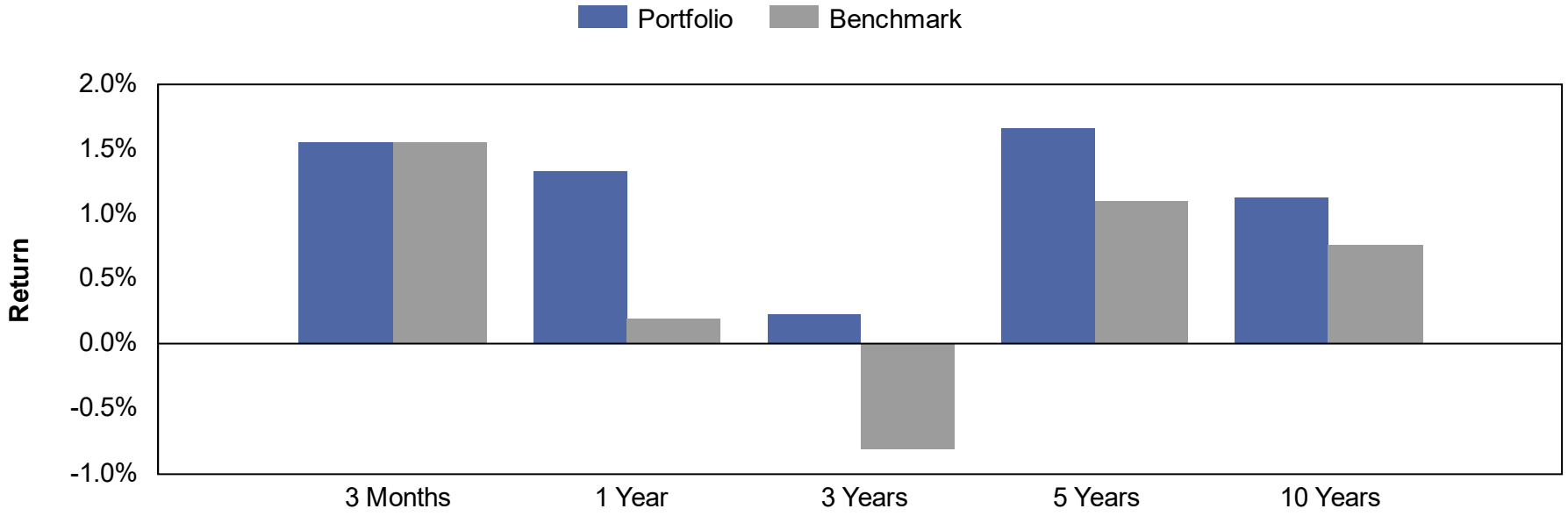
Portfolio Activity - CHANDLER HEALTH CARE BENEFITS TRUST



Sector	Net Activity
U.S. Treasury	$4,749,012
Corporate	$62,120
Negotiable CD	($140,837)
Federal Agency	($157,540)
Total Net Activity	**$4,512,755**

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

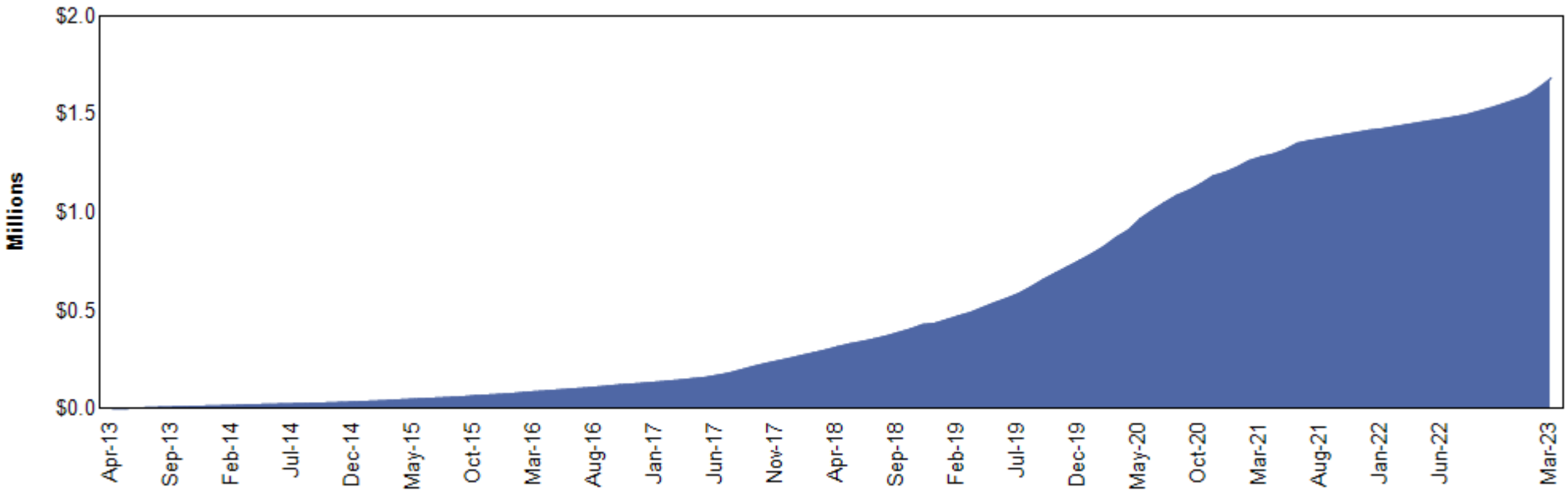
Portfolio Performance



Market Value Basis Earnings	3 Months	1 Year	3 Years	5 Years	10 Years[1]
Interest Earned[2]	$100,101	$252,884	$691,437	$1,257,109	$1,696,057
Change in Market Value	$165,901	($19,395)	($1,149,365)	($597,588)	($886,174)
Total Dollar Return	**$266,002**	**$233,489**	**($457,928)**	**$659,521**	**$809,883**
Total Return[3]					
Portfolio	1.55%	1.33%	0.23%	1.66%	1.14%
Benchmark[4]	1.55%	0.20%	-0.81%	1.11%	0.77%
Difference	0.00%	1.13%	1.05%	0.55%	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 December 31, 2010.*
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 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. Prior to 9/30/12 it was the ICE BofAML 0-6 Month U.S Treasury Index. Source: Bloomberg.*

Accrual Basis Earnings - CHANDLER HEALTH CARE BENEFITS TRUST



Accrual Basis Earnings	3 Months	1 Year	3 Years	5 Year	10 Year[1]
Interest Earned[2]	$100,101	$252,884	$691,437	$1,257,109	$1,696,057
Realized Gains / (Losses)[3]	($3,281)	($8,731)	$174,786	$116,881	$115,363
Change in Amortized Cost	$14,211	($6,635)	($54,958)	$10,551	($127,155)
Total Earnings	**$111,032**	**$237,517**	**$811,266**	**$1,384,542**	**$1,684,265**

1. The lesser of 10 years or since inception is shown. Performance inception date is December 31, 2010.
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 March 31, 2023

Issuer	Market Value ($)	% of Portfolio
UNITED STATES TREASURY	10,299,933	59.06%
FANNIE MAE	1,776,559	10.19%
FREDDIE MAC	1,722,980	9.88%
FEDERAL HOME LOAN BANKS	856,335	4.91%
WAL-MART STORES INC	306,408	1.76%
APPLE INC	259,722	1.49%
MICROSOFT CORP	258,140	1.48%
TORONTO-DOMINION BANK	249,860	1.43%
CISCO SYSTEMS INC	225,381	1.29%
NOVARTIS AG	223,232	1.28%
JP MORGAN CHASE & CO	211,471	1.21%
AMAZON.COM INC	204,410	1.17%
HERSHEY COMPANY	164,565	0.94%
PEPSICO INC	152,864	0.88%
INTEL CORPORATION	147,801	0.85%
TOYOTA MOTOR CORP	132,928	0.76%
BANK OF AMERICA CO	131,211	0.75%
CITY OF SCOTTSDALE	82,602	0.47%
TEXAS INSTRUMENTS INC	35,243	0.20%
Grand Total	**17,441,644**	**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	Amortized Cost	Market Value
U.S. Treasury											
US TREASURY NOTES DTD 04/30/2018 2.750% 04/30/2023	9128284L1	145,000.00	AA+	Aaa	3/30/2023	3/31/2023	144,756.45	4.73	1,674.31	144,764.57	144,750.77
US TREASURY NOTES DTD 01/15/2021 0.125% 01/15/2024	91282CBE0	770,000.00	AA+	Aaa	2/2/2021	2/4/2021	768,766.80	0.18	202.07	769,668.47	742,689.02
US TREASURY NOTES DTD 03/15/2021 0.250% 03/15/2024	91282CBR1	100,000.00	AA+	Aaa	3/22/2021	3/23/2021	99,792.97	0.32	11.55	99,933.59	95,921.88
US TREASURY NOTES DTD 03/31/2017 2.125% 03/31/2024	912828W71	309,000.00	AA+	Aaa	1/5/2022	1/6/2022	317,497.50	0.88	17.94	312,805.63	301,516.39
US TREASURY NOTES DTD 03/31/2017 2.125% 03/31/2024	912828W71	140,000.00	AA+	Aaa	4/16/2021	4/19/2021	147,360.94	0.33	8.13	142,494.65	136,609.37
US TREASURY N/B NOTES DTD 04/15/2021 0.375% 04/15/2024	91282CBV2	100,000.00	AA+	Aaa	4/22/2021	4/26/2021	100,167.97	0.32	173.08	100,058.83	95,687.50
US TREASURY NOTES DTD 11/30/2019 1.500% 11/30/2024	912828YV6	935,000.00	AA+	Aaa	6/2/2021	6/4/2021	969,660.74	0.43	4,700.69	951,555.60	894,239.80
US TREASURY NOTES DTD 01/31/2020 1.375% 01/31/2025	912828Z52	615,000.00	AA+	Aaa	5/5/2021	5/7/2021	634,867.38	0.50	1,401.59	624,766.31	585,210.94
US TREASURY N/B NOTES DTD 02/15/2022 1.500% 02/15/2025	91282CDZ1	235,000.00	AA+	Aaa	3/22/2023	3/24/2023	223,075.59	4.31	438.19	223,213.05	223,837.50
US TREASURY N/B NOTES DTD 05/15/2022 2.750% 05/15/2025	91282CEQ0	495,000.00	AA+	Aaa	8/12/2022	8/15/2022	488,773.83	3.23	5,151.69	490,193.94	481,928.93
US TREASURY N/B NOTES DTD 07/15/2022 3.000% 07/15/2025	91282CEY3	650,000.00	AA+	Aaa	8/8/2022	8/9/2022	647,384.77	3.14	4,093.92	647,958.61	635,984.38
US TREASURY N/B NOTES DTD 07/15/2022 3.000% 07/15/2025	91282CEY3	235,000.00	AA+	Aaa	8/15/2022	8/16/2022	234,045.31	3.15	1,480.11	234,249.89	229,932.81
US TREASURY N/B NOTES DTD 08/15/2022 3.125% 08/15/2025	91282CFE6	100,000.00	AA+	Aaa	9/12/2022	9/12/2022	98,765.63	3.57	388.47	98,997.94	98,109.38
US TREASURY NOTES DTD 08/17/2015 2.000% 08/15/2025	912828K74	2,375,000.00	AA+	Aaa	2/7/2023	2/8/2023	2,249,663.09	4.23	5,904.70	2,256,755.06	2,272,207.15
US TREASURY N/B NOTES DTD 08/15/2022 3.125% 08/15/2025	91282CFE6	135,000.00	AA+	Aaa	9/29/2022	9/29/2022	130,923.63	4.25	524.43	131,637.29	132,447.66

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	Amortized Cost	Market Value
U.S. Treasury											
US TREASURY N/B NOTES DTD 11/15/2022 4.500% 11/15/2025	91282CFW6	125,000.00	AA+	Aaa	12/1/2022	12/2/2022	126,665.04	4.02	2,128.80	126,479.86	126,835.94
US TREASURY N/B NOTES DTD 11/15/2022 4.500% 11/15/2025	91282CFW6	270,000.00	AA+	Aaa	12/12/2022	12/13/2022	272,562.89	4.15	4,598.20	272,301.32	273,965.62
US TREASURY N/B NOTES DTD 11/15/2022 4.500% 11/15/2025	91282CFW6	105,000.00	AA+	Aaa	11/29/2022	11/30/2022	105,750.59	4.24	1,788.19	105,665.88	106,542.19
US TREASURY N/B NOTES DTD 12/15/2022 4.000% 12/15/2025	91282CGA3	270,000.00	AA+	Aaa	1/3/2023	1/4/2023	268,565.63	4.19	3,174.73	268,681.61	271,012.50
US TREASURY N/B NOTES DTD 01/15/2023 3.875% 01/15/2026	91282CGE5	2,280,000.00	AA+	Aaa	2/7/2023	2/8/2023	2,266,017.19	4.10	18,548.62	2,266,695.46	2,280,712.50
US TREASURY NOTES DTD 08/15/2017 2.250% 08/15/2027	9128282R0	180,000.00	AA+	Aaa	9/1/2022	9/1/2022	170,894.53	3.37	503.45	171,961.62	169,790.62
Security Type Sub-Total		**10,569,000.00**					**10,465,958.47**	**2.99**	**56,912.86**	**10,440,839.18**	**10,299,932.85**
Negotiable CD											
TORONTO DOMINION BANK NY CERT DEPOS DTD 10/31/2022 5.470% 10/25/2024	89115B6F2	250,000.00	A	A1	10/27/2022	10/31/2022	250,000.00	5.44	5,773.89	250,000.00	249,860.00
Security Type Sub-Total		**250,000.00**					**250,000.00**	**5.44**	**5,773.89**	**250,000.00**	**249,860.00**
Municipal											
SCOTTSDALE, AZ TXBL GO BONDS DTD 12/30/2020 0.608% 07/01/2025	810454BL1	90,000.00	AAA	Aaa	12/10/2020	12/30/2020	90,000.00	0.61	136.80	90,000.00	82,602.00
Security Type Sub-Total		**90,000.00**					**90,000.00**	**0.61**	**136.80**	**90,000.00**	**82,602.00**
Federal Agency											
FREDDIE MAC NOTES DTD 04/20/2020 0.375% 04/20/2023	3137EAEQ8	110,000.00	AA+	Aaa	4/17/2020	4/20/2020	109,725.00	0.46	184.48	109,995.23	109,765.15
FANNIE MAE NOTES DTD 05/22/2020 0.250% 05/22/2023	3135G04Q3	250,000.00	AA+	Aaa	5/20/2020	5/22/2020	249,247.50	0.35	223.96	249,964.95	248,415.75

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	Amortized Cost	Market Value
Federal Agency											
FANNIE MAE NOTES (CALLABLE) DTD 08/10/2020 0.300% 08/10/2023	3135G05R0	370,000.00	AA+	Aaa	8/11/2020	8/12/2020	369,334.00	0.36	157.25	369,920.18	364,052.25
FANNIE MAE NOTES (CALLABLE) DTD 08/18/2020 0.360% 08/18/2023	3135G05V1	130,000.00	AA+	Aaa	8/20/2020	8/21/2020	130,000.00	0.36	55.90	130,000.00	127,805.34
FREDDIE MAC NOTES DTD 08/21/2020 0.250% 08/24/2023	3137EAEV7	165,000.00	AA+	Aaa	8/19/2020	8/21/2020	164,831.70	0.28	42.40	164,977.77	162,023.90
FREDDIE MAC NOTES DTD 09/04/2020 0.250% 09/08/2023	3137EAEW5	105,000.00	AA+	Aaa	9/2/2020	9/4/2020	104,965.35	0.26	16.77	104,994.96	102,916.91
FREDDIE MAC NOTES DTD 09/04/2020 0.250% 09/08/2023	3137EAEW5	80,000.00	AA+	Aaa	9/2/2020	9/4/2020	80,014.61	0.24	12.78	80,002.13	78,412.88
FREDDIE MAC NOTES DTD 10/16/2020 0.125% 10/16/2023	3137EAEY1	250,000.00	AA+	Aaa	10/14/2020	10/16/2020	249,067.50	0.25	143.23	249,831.38	243,726.25
FREDDIE MAC NOTES DTD 11/05/2020 0.250% 11/06/2023	3137EAEZ8	120,000.00	AA+	Aaa	1/19/2021	1/20/2021	120,139.20	0.21	120.83	120,029.89	116,773.92
FREDDIE MAC NOTES DTD 11/05/2020 0.250% 11/06/2023	3137EAEZ8	185,000.00	AA+	Aaa	11/19/2020	11/24/2020	184,863.10	0.28	186.28	184,972.16	180,026.46
FREDDIE MAC NOTES DTD 11/05/2020 0.250% 11/06/2023	3137EAEZ8	600,000.00	AA+	Aaa	11/3/2020	11/5/2020	599,460.00	0.28	604.16	599,892.10	583,869.60
FANNIE MAE NOTES DTD 11/25/2020 0.250% 11/27/2023	3135G06H1	235,000.00	AA+	Aaa	11/23/2020	11/25/2020	234,732.10	0.29	202.36	234,941.39	228,083.48
FANNIE MAE NOTES DTD 11/25/2020 0.250% 11/27/2023	3135G06H1	455,000.00	AA+	Aaa	1/7/2021	1/8/2021	455,122.85	0.24	391.81	455,028.00	441,608.44
FREDDIE MAC NOTES DTD 12/04/2020 0.250% 12/04/2023	3137EAFA2	150,000.00	AA+	Aaa	12/2/2020	12/4/2020	149,851.50	0.28	121.88	149,966.50	145,464.75
FEDERAL HOME LOAN BANK NOTES (CALLABLE) DTD 08/08/2022 4.100% 08/08/2025	3130ASRJ0	875,000.00	AA+	Aaa	8/5/2022	8/8/2022	874,562.50	4.12	5,281.60	874,656.71	856,335.38
FANNIE MAE NOTES (CALLABLE) DTD 08/30/2022 4.000% 08/28/2025	3135GACV1	375,000.00	AA+	Aaa	8/25/2022	8/30/2022	374,981.25	4.00	1,306.18	374,984.92	366,593.63
Security Type Sub-Total		**4,455,000.00**					**4,450,898.16**	**1.36**	**9,051.87**	**4,454,158.27**	**4,355,874.09**

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	Amortized Cost	Market Value
Corporate											
HERSHEY COMPANY (CALLABLE) DTD 05/10/2018 3.375% 05/15/2023	427866AZ1	165,000.00	A	A1	3/11/2020	3/13/2020	171,405.30	2.10	2,103.75	165,079.50	164,564.90
AMAZON.COM INC CORPORATE NOTES DTD 06/03/2020 0.400% 06/03/2023	023135BP0	100,000.00	AA	A1	6/1/2020	6/3/2020	99,860.00	0.45	131.11	99,991.95	99,121.60
TOYOTA MOTOR CREDIT CORP CORPORATE NOTES DTD 05/26/2020 1.350% 08/25/2023	89236THA6	135,000.00	A+	A1	5/20/2020	5/26/2020	134,950.05	1.36	182.25	134,993.85	132,928.16
AMAZON.COM INC CORPORATE NOTES DTD 05/12/2021 0.450% 05/12/2024	023135BW5	110,000.00	AA	A1	5/10/2021	5/12/2021	109,839.40	0.50	191.13	109,940.36	105,288.70
JPMORGAN CHASE & CO CORPORATE NOTES (CAL DTD 09/16/2020 0.653% 09/16/2024	46647PBS4	105,000.00	A-	A1	9/9/2020	9/16/2020	105,000.00	0.65	28.57	105,000.00	102,459.21
BANK OF AMERICA CORP (CALLABLE) CORPORAT DTD 10/21/2020 0.810% 10/24/2024	06051GJH3	135,000.00	A-	A2	10/16/2020	10/21/2020	135,000.00	0.81	476.89	135,000.00	131,211.09
TEXAS INSTRUMENTS INC CORPORATE NOTES DTD 11/18/2022 4.700% 11/18/2024	882508BR4	35,000.00	A+	Aa3	11/15/2022	11/18/2022	34,984.25	4.72	607.74	34,987.14	35,242.62
APPLE INC CORPORATE NOTES DTD 05/13/2015 3.200% 05/13/2025	037833BG4	265,000.00	AA+	Aaa	12/15/2022	12/19/2022	257,103.00	4.52	3,250.67	258,031.53	259,722.26
JPMORGAN CHASE & CO (CALLABLE) CORP NOTE DTD 06/01/2021 0.824% 06/01/2025	46647PCH7	115,000.00	A-	A1	5/24/2021	6/1/2021	115,000.00	0.82	315.87	115,000.00	109,011.95
CISCO SYSTEMS INC CORPORATE NOTES DTD 06/17/2015 3.500% 06/15/2025	17275RAW2	230,000.00	AA-	A1	12/15/2022	12/19/2022	224,910.10	4.45	2,370.28	225,486.84	225,381.14
PEPSICO INC CORP NOTES (CALLABLE) DTD 07/17/2015 3.500% 07/17/2025	713448CY2	155,000.00	A+	A1	1/17/2023	1/19/2023	151,523.35	4.46	1,115.14	151,798.43	152,864.10
INTEL CORP NOTES (CALLABLE) DTD 07/29/2015 3.700% 07/29/2025	458140AS9	150,000.00	A	A2	1/17/2023	1/19/2023	147,154.50	4.50	955.83	147,376.71	147,800.55
MICROSOFT CORP NOTES (CALLABLE) DTD 11/03/2015 3.125% 11/03/2025	594918BJ2	265,000.00	AAA	Aaa	1/23/2023	1/25/2023	256,737.30	4.33	3,404.51	257,275.64	258,139.68

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	Amortized Cost	Market Value
Corporate											
NOVARTIS CAPITAL CORP NOTES (CALLABLE) DTD 11/20/2015 3.000% 11/20/2025	66989HAJ7	230,000.00	AA-	A1	1/27/2023	1/31/2023	221,862.60	4.35	2,510.83	222,339.40	223,231.56
WAL MART INC CORP NOTES (CALLABLE) DTD 09/17/2021 1.050% 09/17/2026	931142ER0	340,000.00	AA	Aa2	1/30/2023	1/31/2023	304,092.60	4.22	138.83	305,718.60	306,408.00
Security Type Sub-Total		**2,535,000.00**					**2,469,422.45**	**3.24**	**17,783.40**	**2,468,019.95**	**2,453,375.52**
Managed Account Sub Total		**17,899,000.00**					**17,726,279.08**	**2.64**	**89,658.82**	**17,703,017.40**	**17,441,644.46**
Securities Sub Total		**$17,899,000.00**					**$17,726,279.08**	**2.64%**	**$89,658.82**	**$17,703,017.40**	**$17,441,644.46**
Accrued Interest											**$89,658.82**
Total Investments											**$17,531,303.28**

Quarterly Portfolio Transactions

Trade Date	Settle Date	Par ($)	CUSIP	Security Description	Coupon	Maturity Date	Transact Amount ($)	Yield at Market	Realized G/L (BV)
BUY									
1/3/2023	1/4/2023	270,000.00	91282CGA3	US TREASURY N/B NOTES	4.00%	12/15/2025	269,159.04	4.19%	
1/17/2023	1/19/2023	150,000.00	458140AS9	INTEL CORP NOTES (CALLABLE)	3.70%	7/29/2025	149,775.33	4.50%	
1/17/2023	1/19/2023	155,000.00	713448CY2	PEPSICO INC CORP NOTES (CALLABLE)	3.50%	7/17/2025	151,553.49	4.46%	
1/23/2023	1/25/2023	265,000.00	594918BJ2	MICROSOFT CORP NOTES (CALLABLE)	3.12%	11/3/2025	258,623.58	4.33%	
1/27/2023	1/31/2023	230,000.00	66989HAJ7	NOVARTIS CAPITAL CORP NOTES (CALLABLE)	3.00%	11/20/2025	223,223.43	4.35%	
1/30/2023	1/31/2023	340,000.00	931142ER0	WAL MART INC CORP NOTES (CALLABLE)	1.05%	9/17/2026	305,421.43	4.22%	
2/7/2023	2/8/2023	1,500,000.00	912796YB9	US TREASURY BILL	0.00%	3/2/2023	1,495,925.42	4.46%	
2/7/2023	2/8/2023	2,280,000.00	91282CGE5	US TREASURY N/B NOTES	3.87%	1/15/2026	2,271,874.65	4.10%	
2/7/2023	2/8/2023	2,375,000.00	912828K74	US TREASURY NOTES	2.00%	8/15/2025	2,272,509.56	4.23%	
3/17/2023	3/17/2023	140,000.00	912828Q29	US TREASURY NOTES	1.50%	3/31/2023	140,739.54	5.74%	
3/22/2023	3/24/2023	235,000.00	91282CDZ1	US TREASURY N/B NOTES	1.50%	2/15/2025	223,435.88	4.31%	
3/30/2023	3/31/2023	145,000.00	9128284L1	US TREASURY NOTES	2.75%	4/30/2023	146,419.74	4.73%	
Total BUY		**8,085,000.00**					**7,908,661.09**		**0.00**
INTEREST									
1/1/2023	1/1/2023	90,000.00	810454BL1	SCOTTSDALE, AZ TXBL GO BONDS	0.60%	7/1/2025	273.60		
1/3/2023	1/3/2023		MONEY0002	MONEY MARKET FUND			6,032.96		
1/15/2023	1/15/2023	885,000.00	91282CEY3	US TREASURY N/B NOTES	3.00%	7/15/2025	13,275.00		

Quarterly Portfolio Transactions

Trade Date	Settle Date	Par ($)	CUSIP	Security Description	Coupon	Maturity Date	Transact Amount ($)	Yield at Market	Realized G/L (BV)
INTEREST									
1/15/2023	1/15/2023	169,000.00	912828ZY9	US TREASURY NOTES	0.12%	7/15/2023	105.63		
1/15/2023	1/15/2023	770,000.00	91282CBE0	US TREASURY NOTES	0.12%	1/15/2024	481.25		
1/29/2023	1/29/2023	150,000.00	458140AS9	INTEL CORP NOTES (CALLABLE)	3.70%	7/29/2025	2,775.00		
1/31/2023	1/31/2023	615,000.00	912828Z52	US TREASURY NOTES	1.37%	1/31/2025	4,228.13		
2/1/2023	2/1/2023		MONEY0002	MONEY MARKET FUND			6,513.07		
2/8/2023	2/8/2023	875,000.00	3130ASRJ0	FEDERAL HOME LOAN BANK NOTES (CALLABLE)	4.10%	8/8/2025	17,937.50		
2/10/2023	2/10/2023	370,000.00	3135G05R0	FANNIE MAE NOTES (CALLABLE)	0.30%	8/10/2023	555.00		
2/10/2023	2/10/2023	230,000.00	58933YAR6	MERCK & CO INC CORP NOTES	2.75%	2/10/2025	3,162.50		
2/15/2023	2/15/2023	180,000.00	9128282R0	US TREASURY NOTES	2.25%	8/15/2027	2,025.00		
2/15/2023	2/15/2023	235,000.00	91282CFE6	US TREASURY N/B NOTES	3.12%	8/15/2025	3,671.88		
2/15/2023	2/15/2023	2,375,000.00	912828K74	US TREASURY NOTES	2.00%	8/15/2025	23,750.00		
2/18/2023	2/18/2023	130,000.00	3135G05V1	FANNIE MAE NOTES (CALLABLE)	0.36%	8/18/2023	234.00		
2/24/2023	2/24/2023	165,000.00	3137EAEV7	FREDDIE MAC NOTES	0.25%	8/24/2023	206.25		
2/25/2023	2/25/2023	135,000.00	89236THA6	TOYOTA MOTOR CREDIT CORP CORPORATE NOTES	1.35%	8/25/2023	911.25		
2/28/2023	2/28/2023	375,000.00	3135GACV1	FANNIE MAE NOTES (CALLABLE)	4.00%	8/28/2025	7,416.67		
3/1/2023	3/1/2023		MONEY0002	MONEY MARKET FUND			4,679.27		
3/8/2023	3/8/2023	185,000.00	3137EAEW5	FREDDIE MAC NOTES	0.25%	9/8/2023	231.25		

Quarterly Portfolio Transactions

Trade Date	Settle Date	Par ($)	CUSIP	Security Description	Coupon	Maturity Date	Transact Amount ($)	Yield at Market	Realized G/L (BV)
INTEREST									
3/15/2023	3/15/2023	100,000.00	91282CBR1	US TREASURY NOTES	0.25%	3/15/2024	125.00		
3/16/2023	3/16/2023	105,000.00	46647PBS4	JPMORGAN CHASE & CO CORPORATE NOTES (CAL	0.65%	9/16/2024	342.83		
3/17/2023	3/17/2023	340,000.00	931142ER0	WAL MART INC CORP NOTES (CALLABLE)	1.05%	9/17/2026	1,785.00		
3/31/2023	3/31/2023	449,000.00	912828W71	US TREASURY NOTES	2.12%	3/31/2024	4,770.63		
Total INTEREST		**8,928,000.00**					**105,488.67**		**0.00**
MATURITY									
3/2/2023	3/2/2023	1,500,000.00	912796YB9	US TREASURY BILL	0.00%	3/2/2023	1,500,000.00		
3/17/2023	3/17/2023	140,000.00	22552G3C2	CREDIT SUISSE NEW YORK CERT DEPOS	0.59%	3/17/2023	140,837.47		
3/31/2023	3/31/2023	140,000.00	912828Q29	US TREASURY NOTES	1.50%	3/31/2023	141,050.00		
Total MATURITY		**1,780,000.00**					**1,781,887.47**		**0.00**
SELL									
1/3/2023	1/4/2023	268,000.00	912828Z86	US TREASURY NOTES	1.37%	2/15/2023	268,553.02		-1,045.11
1/17/2023	1/19/2023	100,000.00	00724PAA7	ADOBE INC CORP NOTE	1.70%	2/1/2023	100,673.33		-118.37
1/17/2023	1/19/2023	52,000.00	14913R2J5	CATERPILLAR FINL SERVICE CORPORATE NOTES	0.25%	3/1/2023	51,781.51		-265.81
1/17/2023	1/19/2023	155,000.00	3137EAEQ8	FREDDIE MAC NOTES	0.37%	4/20/2023	153,465.05		-1,646.45
1/23/2023	1/25/2023	265,000.00	594918BB9	MICROSOFT CORP (CALLABLE) NOTES	2.70%	2/12/2025	259,669.53		351.62
1/27/2023	1/31/2023	83,000.00	14913R2J5	CATERPILLAR FINL SERVICE CORPORATE NOTES	0.25%	3/1/2023	82,738.69		-344.93

Quarterly Portfolio Transactions

Trade Date	Settle Date	Par ($)	CUSIP	Security Description	Coupon	Maturity Date	Transact Amount ($)	Yield at Market	Realized G/L (BV)
SELL									
1/27/2023	1/31/2023	169,000.00	912828ZY9	US TREASURY NOTES	0.12%	7/15/2023	165,523.72		-1,319.38
1/30/2023	1/31/2023	305,000.00	931142DH3	WAL MART STORES INC GLOBAL NT (CALLABLE)	2.55%	4/11/2023	306,034.46		-1,342.00
3/22/2023	3/24/2023	230,000.00	58933YAR6	MERCK & CO INC CORP NOTES	2.75%	2/10/2025	225,579.66		2,449.14
Total SELL		**1,627,000.00**					**1,614,018.97**		**-3,281.29**

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	1/3/2023	1/4/2023	270,000.00	91282CGA3	US TREASURY N/B NOTES	4.00%	12/15/2025	269,159.04	4.19%	
BUY	1/17/2023	1/19/2023	150,000.00	458140AS9	INTEL CORP NOTES (CALLABLE)	3.70%	7/29/2025	149,775.33	4.50%	
BUY	1/17/2023	1/19/2023	155,000.00	713448CY2	PEPSICO INC CORP NOTES (CALLABLE)	3.50%	7/17/2025	151,553.49	4.46%	
BUY	1/23/2023	1/25/2023	265,000.00	594918BJ2	MICROSOFT CORP NOTES (CALLABLE)	3.12%	11/3/2025	258,623.58	4.33%	
BUY	1/27/2023	1/31/2023	230,000.00	66989HAJ7	NOVARTIS CAPITAL CORP NOTES	3.00%	11/20/2025	223,223.43	4.35%	
BUY	1/30/2023	1/31/2023	340,000.00	931142ER0	WAL MART INC CORP NOTES	1.05%	9/17/2026	305,421.43	4.22%	
BUY	2/7/2023	2/8/2023	1,500,000.00	912796YB9	US TREASURY BILL	0.00%	3/2/2023	1,495,925.42	4.46%	
BUY	2/7/2023	2/8/2023	2,280,000.00	91282CGE5	US TREASURY N/B NOTES	3.87%	1/15/2026	2,271,874.65	4.10%	
BUY	2/7/2023	2/8/2023	2,375,000.00	912828K74	US TREASURY NOTES	2.00%	8/15/2025	2,272,509.56	4.23%	
BUY	3/17/2023	3/17/2023	140,000.00	912828Q29	US TREASURY NOTES	1.50%	3/31/2023	140,739.54	5.74%	
BUY	3/22/2023	3/24/2023	235,000.00	91282CDZ1	US TREASURY N/B NOTES	1.50%	2/15/2025	223,435.88	4.31%	
BUY	3/30/2023	3/31/2023	145,000.00	9128284L1	US TREASURY NOTES	2.75%	4/30/2023	146,419.74	4.73%	
INTEREST	1/1/2023	1/1/2023	90,000.00	810454BL1	SCOTTSDALE, AZ TXBL GO BONDS	0.60%	7/1/2025	273.60		
INTEREST	1/3/2023	1/3/2023		MONEY0002	MONEY MARKET FUND			6,032.96		
INTEREST	1/15/2023	1/15/2023	885,000.00	91282CEY3	US TREASURY N/B NOTES	3.00%	7/15/2025	13,275.00		
INTEREST	1/15/2023	1/15/2023	169,000.00	912828ZY9	US TREASURY NOTES	0.12%	7/15/2023	105.63		
INTEREST	1/15/2023	1/15/2023	770,000.00	91282CBE0	US TREASURY NOTES	0.12%	1/15/2024	481.25		
INTEREST	1/29/2023	1/29/2023	150,000.00	458140AS9	INTEL CORP NOTES (CALLABLE)	3.70%	7/29/2025	2,775.00		

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	1/31/2023	1/31/2023	615,000.00	912828Z52	US TREASURY NOTES	1.37%	1/31/2025	4,228.13		
INTEREST	2/1/2023	2/1/2023		MONEY0002	MONEY MARKET FUND			6,513.07		
INTEREST	2/8/2023	2/8/2023	875,000.00	3130ASRJ0	FEDERAL HOME LOAN BANK NOTES	4.10%	8/8/2025	17,937.50		
INTEREST	2/10/2023	2/10/2023	370,000.00	3135G05R0	FANNIE MAE NOTES (CALLABLE)	0.30%	8/10/2023	555.00		
INTEREST	2/10/2023	2/10/2023	230,000.00	58933YAR6	MERCK & CO INC CORP NOTES	2.75%	2/10/2025	3,162.50		
INTEREST	2/15/2023	2/15/2023	180,000.00	9128282R0	US TREASURY NOTES	2.25%	8/15/2027	2,025.00		
INTEREST	2/15/2023	2/15/2023	235,000.00	91282CFE6	US TREASURY N/B NOTES	3.12%	8/15/2025	3,671.88		
INTEREST	2/15/2023	2/15/2023	2,375,000.00	912828K74	US TREASURY NOTES	2.00%	8/15/2025	23,750.00		
INTEREST	2/18/2023	2/18/2023	130,000.00	3135G05V1	FANNIE MAE NOTES (CALLABLE)	0.36%	8/18/2023	234.00		
INTEREST	2/24/2023	2/24/2023	165,000.00	3137EAEV7	FREDDIE MAC NOTES	0.25%	8/24/2023	206.25		
INTEREST	2/25/2023	2/25/2023	135,000.00	89236THA6	TOYOTA MOTOR CREDIT CORP	1.35%	8/25/2023	911.25		
INTEREST	2/28/2023	2/28/2023	375,000.00	3135GACV1	FANNIE MAE NOTES (CALLABLE)	4.00%	8/28/2025	7,416.67		
INTEREST	3/1/2023	3/1/2023		MONEY0002	MONEY MARKET FUND			4,679.27		
INTEREST	3/8/2023	3/8/2023	185,000.00	3137EAEW5	FREDDIE MAC NOTES	0.25%	9/8/2023	231.25		
INTEREST	3/15/2023	3/15/2023	100,000.00	91282CBR1	US TREASURY NOTES	0.25%	3/15/2024	125.00		
INTEREST	3/16/2023	3/16/2023	105,000.00	46647PBS4	JPMORGAN CHASE & CO CORPORATE	0.65%	9/16/2024	342.83		
INTEREST	3/17/2023	3/17/2023	340,000.00	931142ER0	WAL MART INC CORP NOTES	1.05%	9/17/2026	1,785.00		
INTEREST	3/31/2023	3/31/2023	449,000.00	912828W71	US TREASURY NOTES	2.12%	3/31/2024	4,770.63		

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)
MATURITY	3/2/2023	3/2/2023	1,500,000.00	912796YB9	US TREASURY BILL	0.00%	3/2/2023	1,500,000.00		
MATURITY	3/17/2023	3/17/2023	140,000.00	22552G3C2	CREDIT SUISSE NEW YORK CERT	0.59%	3/17/2023	140,837.47		
MATURITY	3/31/2023	3/31/2023	140,000.00	912828Q29	US TREASURY NOTES	1.50%	3/31/2023	141,050.00		
SELL	1/3/2023	1/4/2023	268,000.00	912828Z86	US TREASURY NOTES	1.37%	2/15/2023	268,553.02		-1,045.11
SELL	1/17/2023	1/19/2023	100,000.00	00724PAA7	ADOBE INC CORP NOTE	1.70%	2/1/2023	100,673.33		-118.37
SELL	1/17/2023	1/19/2023	52,000.00	14913R2J5	CATERPILLAR FINL SERVICE	0.25%	3/1/2023	51,781.51		-265.81
SELL	1/17/2023	1/19/2023	155,000.00	3137EAEQ8	FREDDIE MAC NOTES	0.37%	4/20/2023	153,465.05		-1,646.45
SELL	1/23/2023	1/25/2023	265,000.00	594918BB9	MICROSOFT CORP (CALLABLE) NOTES	2.70%	2/12/2025	259,669.53		351.62
SELL	1/27/2023	1/31/2023	83,000.00	14913R2J5	CATERPILLAR FINL SERVICE	0.25%	3/1/2023	82,738.69		-344.93
SELL	1/27/2023	1/31/2023	169,000.00	912828ZY9	US TREASURY NOTES	0.12%	7/15/2023	165,523.72		-1,319.38
SELL	1/30/2023	1/31/2023	305,000.00	931142DH3	WAL MART STORES INC GLOBAL NT	2.55%	4/11/2023	306,034.46		-1,342.00
SELL	3/22/2023	3/24/2023	230,000.00	58933YAR6	MERCK & CO INC CORP NOTES	2.75%	2/10/2025	225,579.66		2,449.14
TOTALS			**20,420,000.00**					**11,410,056.20**		**-3,281.29**

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 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.