



INVESTMENT PERFORMANCE SUMMARY

OFFICE OF THE STATE TREASURER &
CASH MANAGEMENT POLICY BOARD

DECEMBER 31, 2023

Jennifer Appel, CFA, Sr. Investment Director
Kevin M. Leonard, Partner
Jonovan Sackey, Sr. Investment Associate





EXECUTIVE SUMMARY



PROPRIETARY & CONFIDENTIAL

TOTAL FUND PERFORMANCE DETAIL - NET OF FEES

	Allocation		Performance (%)										Inception Date
	Market Value (\$)	% of Portfolio	1 Mo (%)	3 Mo (%)	9 Mo (%)	1 Yr (%)	2 Yrs (%)	3 Yrs (%)	4 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	
Total Liquidity & Reserve	5,924,884,744	100.00	1.96	3.96	3.03	5.37	1.23	0.39	1.59	2.30		2.07	Dec-16
Total Liquidity	1,500,493,847	25.33	0.62	1.69	4.00	5.27	2.53	1.64	1.60	1.86	1.41	1.78	Jan-05
PFM Asset Management	764,147,509	12.90	0.60	1.69	4.00	5.28	2.95	1.95	1.82	2.03	1.54	1.49	Jun-13
Wilmington Liquidity	736,346,338	12.43	0.63	1.70	4.00	5.25	2.10	1.33	1.38	1.69	1.29	3.88	Jan-85
Total Reserve	4,424,390,897	74.67	2.44	4.77	2.33	4.80	-1.39	-1.51	0.41	1.62	1.48	2.05	Jan-05
Reserve Custom Index			<u>2.40</u>	<u>4.56</u>	<u>2.30</u>	<u>4.74</u>	<u>-2.21</u>	<u>-2.04</u>	<u>0.05</u>	<u>1.33</u>	<u>1.26</u>	<u>2.12</u>	
Over/Under			0.04	0.21	0.03	0.06	0.82	0.53	0.36	0.29	0.22	-0.07	
JPM Intermediate	1,096,080,045	18.50	1.31	2.94	3.33	4.87	0.76	0.38	1.16	1.73	1.46	1.40	Jun-13
J.P. Morgan Custom Index			<u>1.15</u>	<u>2.59</u>	<u>3.26</u>	<u>4.46</u>	<u>0.33</u>	<u>0.06</u>	<u>0.84</u>	<u>1.43</u>	<u>1.28</u>	<u>1.22</u>	
Over/Under			0.16	0.35	0.07	0.41	0.43	0.32	0.32	0.30	0.18	0.18	
Blackrock Financial Mangement	1,102,880,340	18.61	1.64	3.58	3.21	4.85	-0.45	-0.60	0.68	1.49		1.66	Mar-18
Blackrock Custom Index			<u>1.52</u>	<u>3.23</u>	<u>3.12</u>	<u>4.61</u>	<u>-0.48</u>	<u>-0.65</u>	<u>0.59</u>	<u>1.38</u>		<u>1.56</u>	
Over/Under			0.12	0.35	0.09	0.24	0.03	0.05	0.09	0.11		0.10	
Chandler Asset Management	1,120,776,670	18.92	3.53	6.64	1.67	5.59	-3.57	-3.24	-0.31	1.45	1.50	1.36	Jun-13
Chandler/Lazard Custom Index			<u>3.46</u>	<u>6.21</u>	<u>1.35</u>	<u>4.85</u>	<u>-4.39</u>	<u>-3.81</u>	<u>-0.67</u>	<u>1.20</u>	<u>1.22</u>	<u>1.16</u>	
Over/Under			0.07	0.43	0.32	0.74	0.82	0.57	0.36	0.25	0.28	0.20	
Lazard Financial Management	1,104,653,842	18.64	3.31	5.97	1.34	4.90	-3.90	-3.51	-0.70	1.14		1.44	Mar-18
Chandler/Lazard Custom Index			<u>3.46</u>	<u>6.21</u>	<u>1.35</u>	<u>4.85</u>	<u>-4.39</u>	<u>-3.81</u>	<u>-0.67</u>	<u>1.20</u>		<u>1.48</u>	
Over/Under			-0.15	-0.24	-0.01	0.05	0.49	0.30	-0.03	-0.06		-0.04	

Notes: Net of Fees. Results for periods longer than one year are annualized. Fiscal year end is June 30.

Performance history through 12/2015 is from BNY Mellon. NEPC Performance start date is January 2016. Fiscal Year end is June 30.

Reserve Custom Index consists of 25% ICE BofA 1-5 Yrs AAA-A US Corp & Govt TR / 25% ICE BofA 1-3 Yrs AAA-A US Corp & Govt / 50% ICE BofA US Gov/Credit 5-10 Yrs A Rated and Above, as of 4/1/2018.

Prior to this, the index comprised 75% ICE BofA 1-5 Yrs AAA-A US Corp & Govt TR / 25% ICE BofA 6 Months US T-Bills TR.

Endowment Custom Index consists of 60% MSCI World Index/40% Bloomberg US Aggregate.

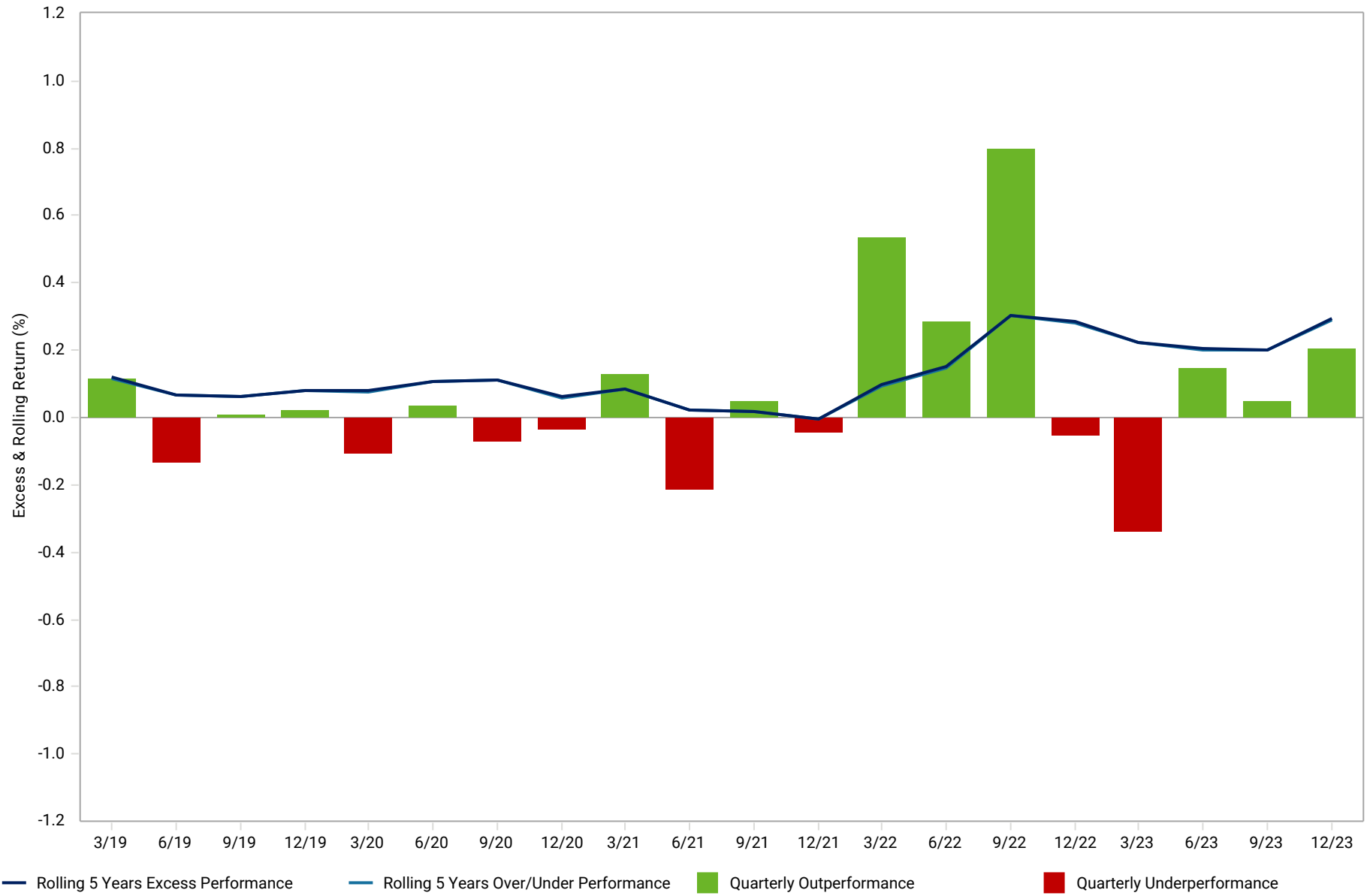
BlackRock Custom Index consists of 100% ICE BofA 1-5 Yrs AAA-A US Corp & Govt TR.

J.P. Morgan Custom Index consists of 100% ICE BofA 1-3 Yrs AAA-A US Corp & Govt.

Chandler/Lazard Custom Index consists of ICE BofA US Gov/Credit 5-10 Yrs A Rated and Above.

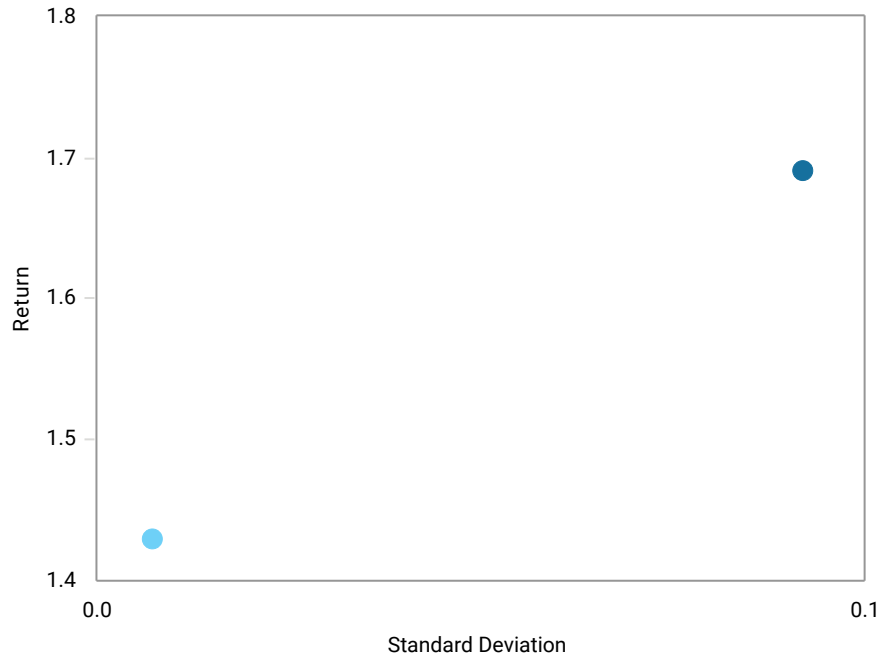


TOTAL RESERVE VS. RESERVE CUSTOM INDEX



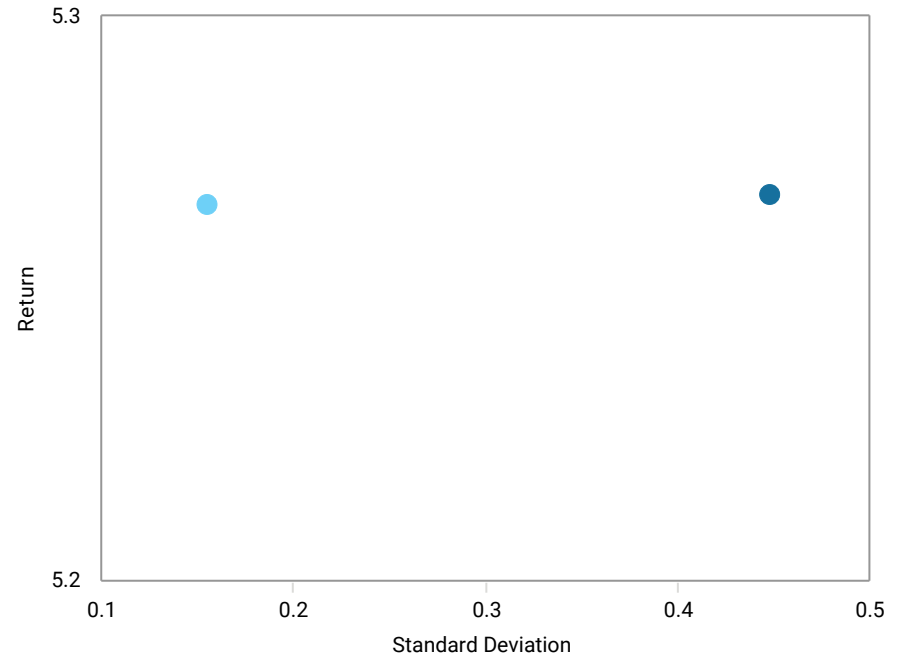
LIQUIDITY RISK/RETURN - 3 MONTHS & 1 YEAR

0.25 Year Ending December 31, 2023



- eV US Cash Management
- Total Liquidity
- FTSE 6 Month Tbill

1 Year Ending December 31, 2023



- eV US Cash Management
- Total Liquidity
- FTSE 6 Month Tbill

3 months Ending December 31, 2023

	Return	Standard Deviation	Sharpe Ratio
Total Liquidity	1.7	0.1	1.2
FTSE 6 Month Tbill	1.4	0.0	3.2

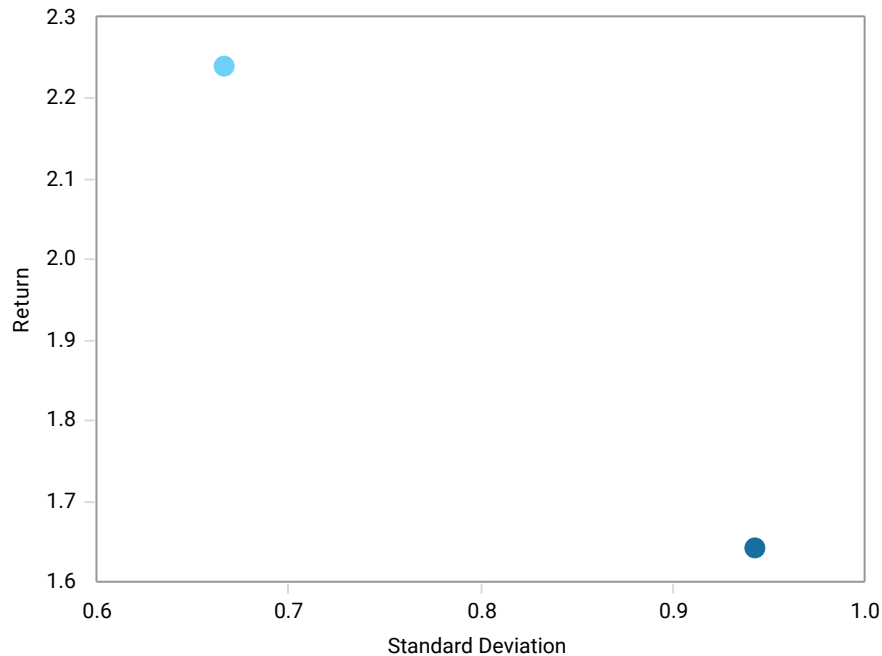
1 Year Ending December 31, 2023

	Return	Standard Deviation	Sharpe Ratio
Total Liquidity	5.3	0.4	0.7
FTSE 6 Month Tbill	5.3	0.2	2.1



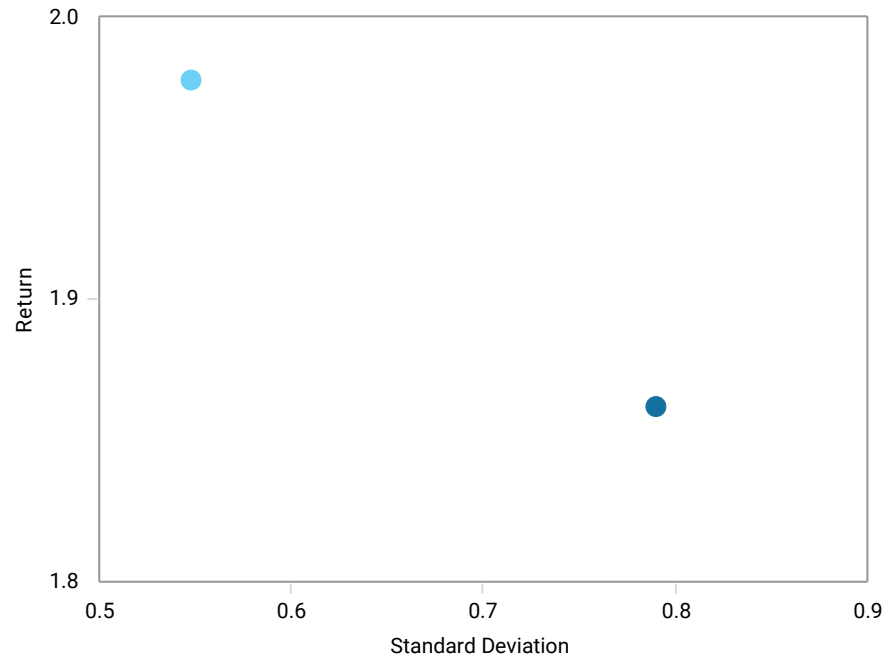
LIQUIDITY RISK/RETURN - 3 & 5 YEARS

3 Years Ending December 31, 2023



- eV US Cash Management
- Total Liquidity
- FTSE 6 Month Tbill

5 Years Ending December 31, 2023



- eV US Cash Management
- Total Liquidity
- FTSE 6 Month Tbill

3 Years Ending December 31, 2023

	Return	Standard Deviation	Sharpe Ratio
Total Liquidity	1.6	0.9	-1.0
FTSE 6 Month Tbill	2.2	0.7	0.8

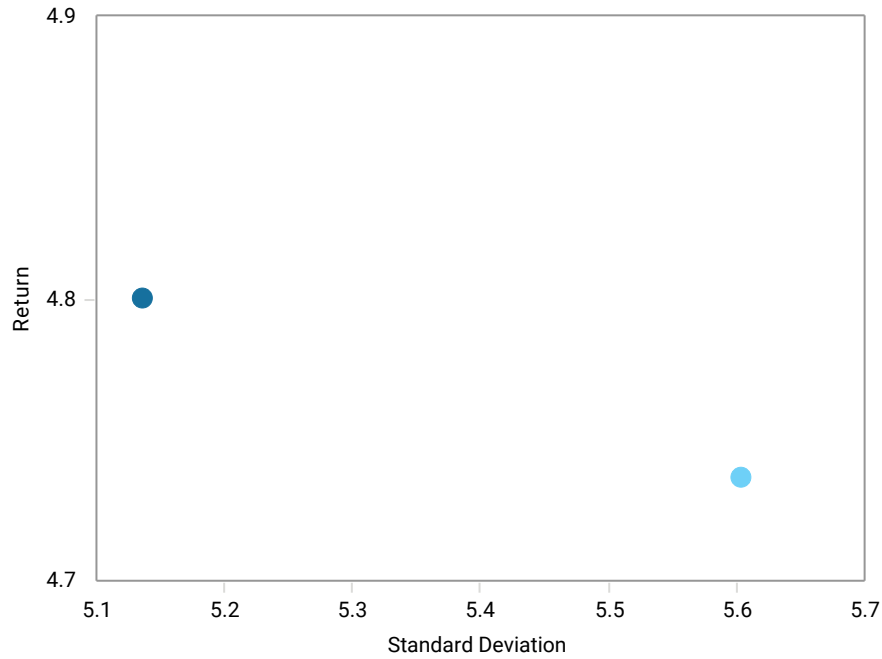
5 Years Ending December 31, 2023

	Return	Standard Deviation	Sharpe Ratio
Total Liquidity	1.9	0.8	0.0
FTSE 6 Month Tbill	2.0	0.5	0.7



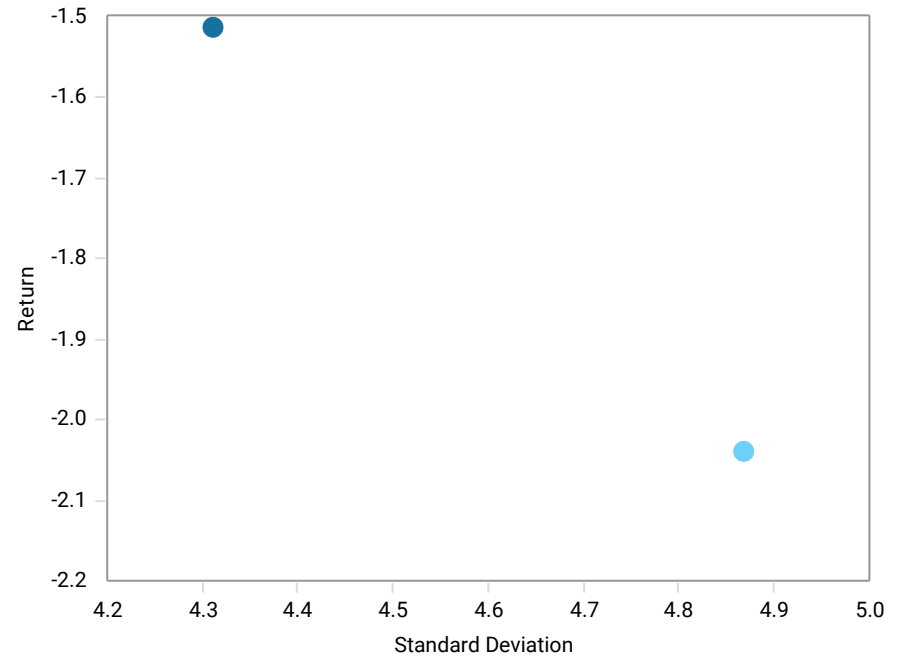
RESERVE RISK/RETURN - 1 & 3 YEARS

1 Year Ending December 31, 2023



- eV US Interm Duration Fixed Inc
- Total Reserve
- Reserve Custom Index

3 Years Ending December 31, 2023



- eV US Interm Duration Fixed Inc
- Total Reserve
- Reserve Custom Index

1 Years Ending December 31, 2023

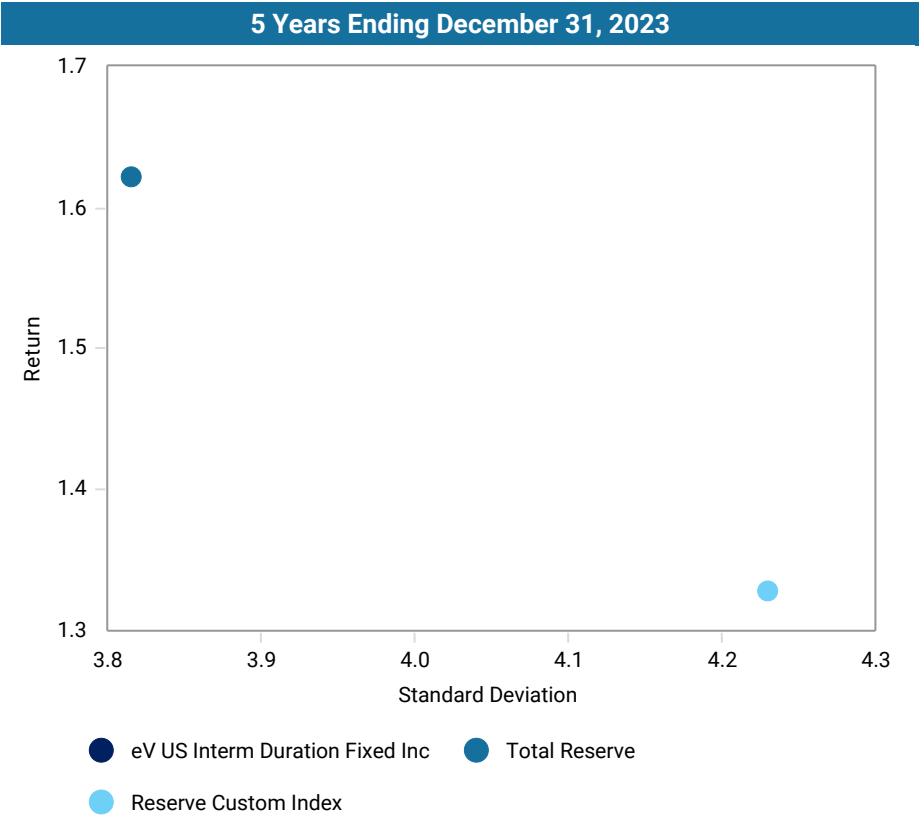
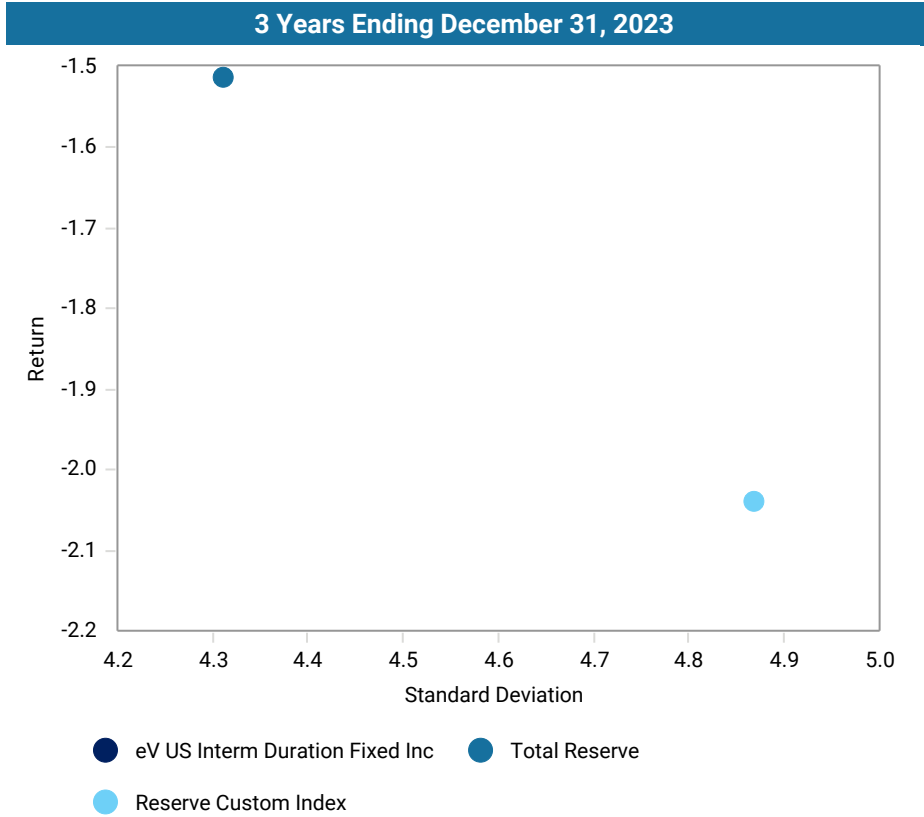
	Return	Standard Deviation	Sharpe Ratio
Total Reserve	4.8	5.1	0.0
Reserve Custom Index	4.7	5.6	0.0

3 Years Ending December 31, 2023

	Return	Standard Deviation	Sharpe Ratio
Total Reserve	-1.5	4.3	-0.9
Reserve Custom Index	-2.0	4.9	-0.9



RESERVE RISK/RETURN - 3 & 5 YEARS



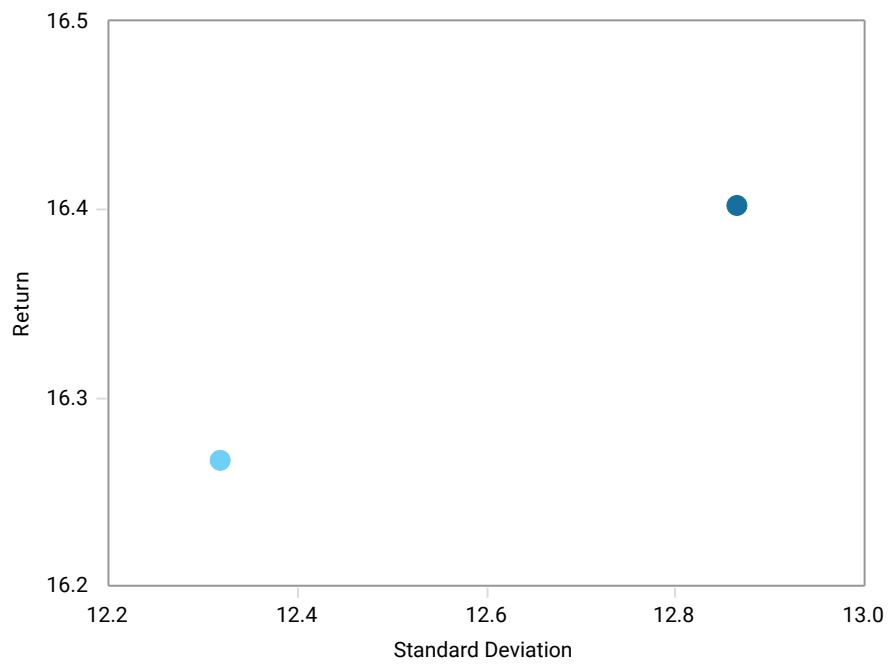
3 Years Ending December 31, 2023			
	Return	Standard Deviation	Sharpe Ratio
Total Reserve	-1.5	4.3	-0.9
Reserve Custom Index	-2.0	4.9	-0.9

5 Years Ending December 31, 2023			
	Return	Standard Deviation	Sharpe Ratio
Total Reserve	1.6	3.8	0.0
Reserve Custom Index	1.3	4.2	-0.1



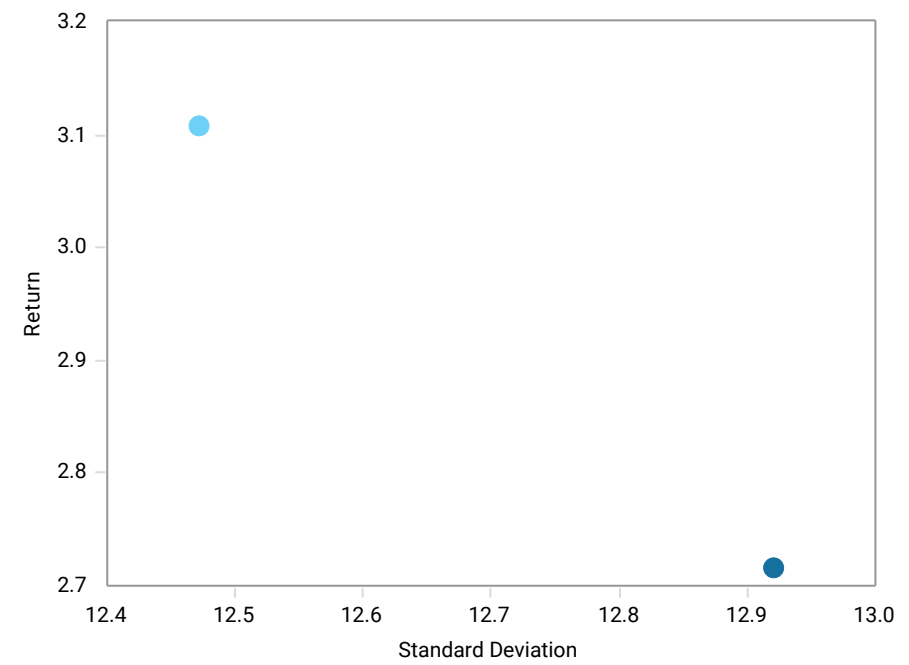
ENDOWMENT RISK/RETURN - 1 & 3 YEARS

1 Year Ending December 31, 2023



● eV Global Balanced ● Total Endowment
● Endowment Custom Index

3 Years Ending December 31, 2023



● eV Global Balanced ● Total Endowment
● Endowment Custom Index

1 Years Ending December 31, 2023

	Return	Standard Deviation	Sharpe Ratio
Total Endowment	16.4	12.9	0.9
Endowment Custom Index	16.3	12.3	0.9

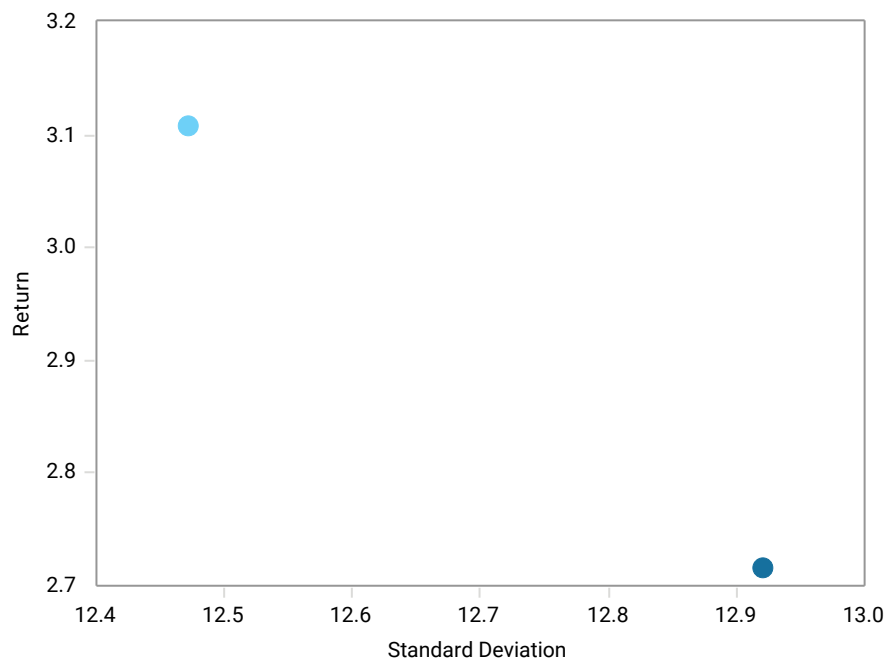
3 Years Ending December 31, 2023

	Return	Standard Deviation	Sharpe Ratio
Total Endowment	2.7	12.9	0.1
Endowment Custom Index	3.1	12.5	0.1



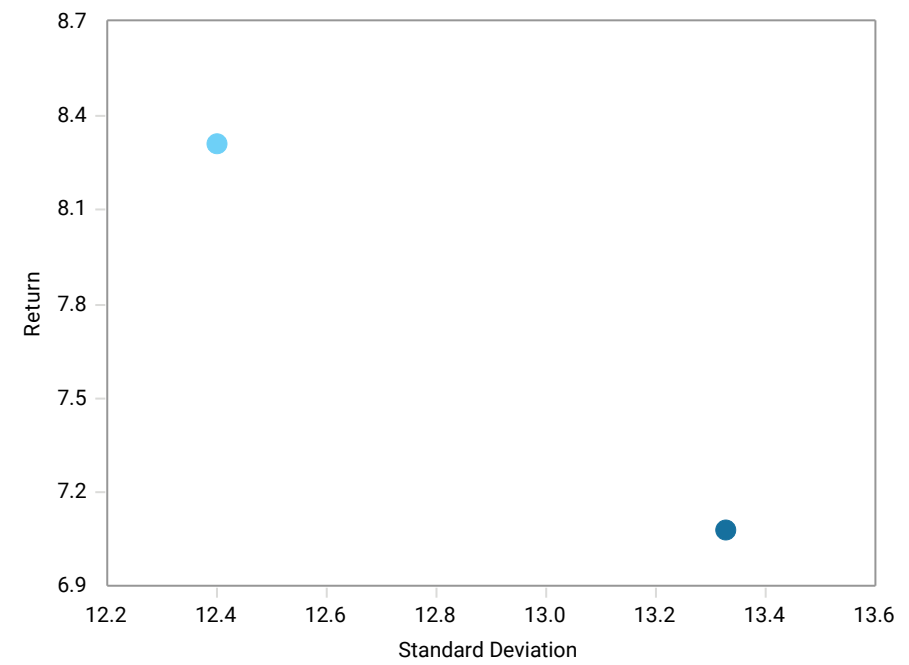
ENDOWMENT RISK/RETURN - 3 & 5 YEARS

3 Years Ending December 31, 2023



- eV Global Balanced
- Endowment Custom Index
- Total Endowment

5 Years Ending December 31, 2023



- eV Global Balanced
- Endowment Custom Index
- Total Endowment

3 Years Ending December 31, 2023			
	Return	Standard Deviation	Sharpe Ratio
Total Endowment	2.7	12.9	0.1
Endowment Custom Index	3.1	12.5	0.1

5 Years Ending December 31, 2023			
	Return	Standard Deviation	Sharpe Ratio
Total Endowment	7.1	13.3	0.4
Endowment Custom Index	8.3	12.4	0.6



TOTAL FUND PERFORMANCE DETAIL - NET OF FEES

	Allocation		Performance (%)										
	Market Value (\$)	% of Portfolio	1 Mo (%)	3 Mo (%)	9 Mo (%)	1 Yr (%)	2 Yrs (%)	3 Yrs (%)	4 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Delaware Total Consolidation	6,577,716,328	100.00	1.89	3.85	3.76	5.54	1.41	0.65	1.70	2.47	1.84	2.05	Jan-05
Total Liquidity & Reserve	5,924,884,744	90.08	1.96	3.96	3.60	5.37	1.23	0.39	1.59	2.30		2.07	Dec-16
Total Liquidity	1,500,493,847	22.81	0.62	1.69	4.06	5.27	2.53	1.64	1.60	1.86	1.41	1.78	Jan-05
PFM Asset Management	764,147,509	11.62	0.60	1.69	4.05	5.28	2.95	1.95	1.82	2.03	1.54	1.49	Jun-13
Wilmington Liquidity	736,346,338	11.19	0.63	1.70	4.08	5.25	2.10	1.33	1.38	1.69	1.29	3.88	Jan-85
Total Reserve	4,424,390,897	67.26	2.44	4.77	2.61	4.80	-1.39	-1.51	0.41	1.62	1.48	2.05	Jan-05
Reserve Custom Index			<u>2.40</u>	<u>4.56</u>	<u>2.21</u>	<u>4.74</u>	<u>-2.21</u>	<u>-2.04</u>	<u>0.05</u>	<u>1.33</u>	<u>1.26</u>	<u>2.12</u>	
Over/Under			0.04	0.21	0.40	0.06	0.82	0.53	0.36	0.29	0.22	-0.07	
JPM Intermediate	1,096,080,045	16.66	1.31	2.94	3.38	4.87	0.76	0.38	1.16	1.73	1.46	1.40	Jun-13
J.P. Morgan Custom Index			<u>1.15</u>	<u>2.59</u>	<u>2.89</u>	<u>4.46</u>	<u>0.33</u>	<u>0.06</u>	<u>0.84</u>	<u>1.43</u>	<u>1.28</u>	<u>1.22</u>	
Over/Under			0.16	0.35	0.49	0.41	0.43	0.32	0.32	0.30	0.18	0.18	
Blackrock Financial Mangement	1,102,880,340	16.77	1.64	3.58	3.01	4.85	-0.45	-0.60	0.68	1.49		1.66	Mar-18
Blackrock Custom Index			<u>1.52</u>	<u>3.23</u>	<u>2.76</u>	<u>4.61</u>	<u>-0.48</u>	<u>-0.65</u>	<u>0.59</u>	<u>1.38</u>		<u>1.56</u>	
Over/Under			0.12	0.35	0.25	0.24	0.03	0.05	0.09	0.11		0.10	
Chandler Asset Management	1,120,776,670	17.04	3.53	6.64	2.61	5.59	-3.57	-3.24	-0.31	1.45	1.50	1.36	Jun-13
Chandler/Lazard Custom Index			<u>3.46</u>	<u>6.21</u>	<u>1.54</u>	<u>4.85</u>	<u>-4.39</u>	<u>-3.81</u>	<u>-0.67</u>	<u>1.20</u>	<u>1.22</u>	<u>1.16</u>	
Over/Under			0.07	0.43	1.07	0.74	0.82	0.57	0.36	0.25	0.28	0.20	
Lazard Financial Management	1,104,653,842	16.79	3.31	5.97	1.50	4.90	-3.90	-3.51	-0.70	1.14		1.44	Mar-18
Chandler/Lazard Custom Index			<u>3.46</u>	<u>6.21</u>	<u>1.54</u>	<u>4.85</u>	<u>-4.39</u>	<u>-3.81</u>	<u>-0.67</u>	<u>1.20</u>		<u>1.48</u>	
Over/Under			-0.15	-0.24	-0.04	0.05	0.49	0.30	-0.03	-0.06		-0.04	
Total Endowment	101,389,909	1.54	4.82	9.75	10.07	16.40	-1.51	2.72	4.10	7.08			Dec-10
Endowment Custom Index			<u>4.48</u>	<u>9.58</u>	<u>9.88</u>	<u>16.27</u>	<u>-1.09</u>	<u>3.11</u>	<u>5.57</u>	<u>8.31</u>	<u>6.08</u>	<u>6.89</u>	
Over/Under			0.34	0.17	0.19	0.13	-0.42	-0.39	-1.47	-1.23			
SEI Balanced Strategy	52,253,807	0.79	4.85	9.70	10.41	16.87	-1.53	2.71	5.69	8.53		6.71	Aug-15
Vanguard Funds	49,136,014	0.75	4.79	9.79	9.71	15.91	-1.48	2.72				4.68	Sep-20

TOTAL FUND PERFORMANCE DETAIL - NET OF FEES

	Allocation		Performance (%)										
	Market Value (\$)	% of Portfolio	1 Mo (%)	3 Mo (%)	9 Mo (%)	1 Yr (%)	2 Yrs (%)	3 Yrs (%)	4 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
ARPA	551,441,675	8.38	0.58	1.67	3.98	5.21	2.65					1.91	May-21
<i>FTSE 1 Month T-Bill</i>			<u>0.46</u>	<u>1.38</u>	<u>3.99</u>	<u>5.13</u>	<u>3.29</u>					<u>2.47</u>	
Over/Under			0.12	0.29	-0.01	0.08	-0.64					-0.56	
PFM ARPA	278,513,804	4.23	0.61	1.69	4.09	5.34	2.95					2.17	May-21
<i>FTSE 1 Month T-Bill</i>			<u>0.46</u>	<u>1.38</u>	<u>3.99</u>	<u>5.13</u>	<u>3.29</u>					<u>2.47</u>	
Over/Under			0.15	0.31	0.10	0.21	-0.34					-0.30	
Wilmington ARPA	272,927,871	4.15	0.56	1.64	3.87	5.08	2.34					1.65	May-21
<i>FTSE 1 Month T-Bill</i>			<u>0.46</u>	<u>1.38</u>	<u>3.99</u>	<u>5.13</u>	<u>3.29</u>					<u>2.47</u>	
Over/Under			0.10	0.26	-0.12	-0.05	-0.95					-0.82	

Notes: Net of Fees. Results for periods longer than one year are annualized. Fiscal year end is June 30.

Performance history through 12/2015 is from BNY Mellon. NEPC Performance start date is January 2016. Fiscal Year end is June 30. Reserve Custom Index consists of 25% ICE BofA 1-5 Yrs AAA-A US Corp & Govt TR / 25% ICE BofA 1-3 Yrs AAA-A US Corp & Govt / 50% ICE BofA US Gov/Credit 5-10 Yrs A Rated and Above, as of 4/1/2018.

Prior to this, the index comprised 75% ICE BofA 1-5 Yrs AAA-A US Corp & Govt TR / 25% ICE BofA 6 Months US T-Bills TR.

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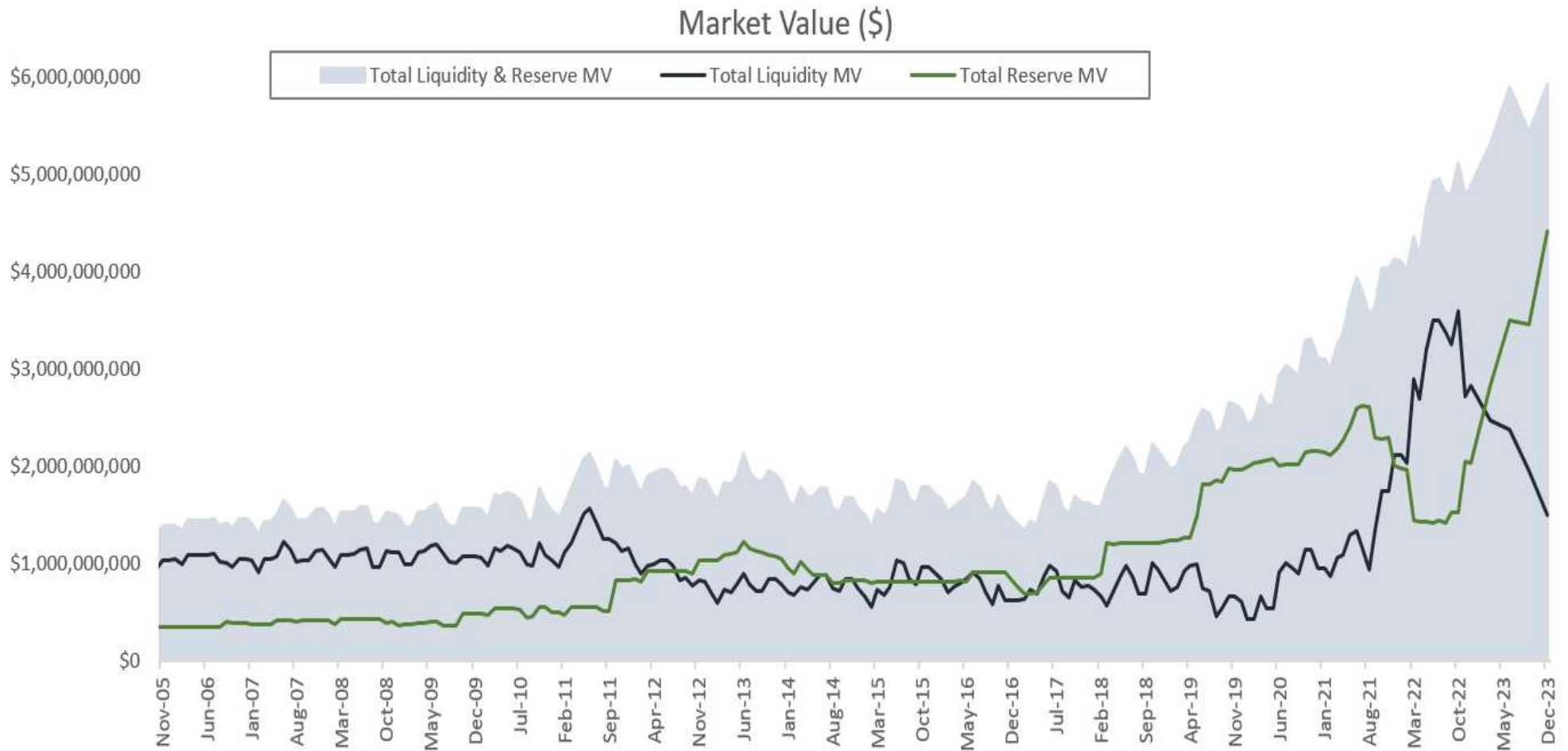
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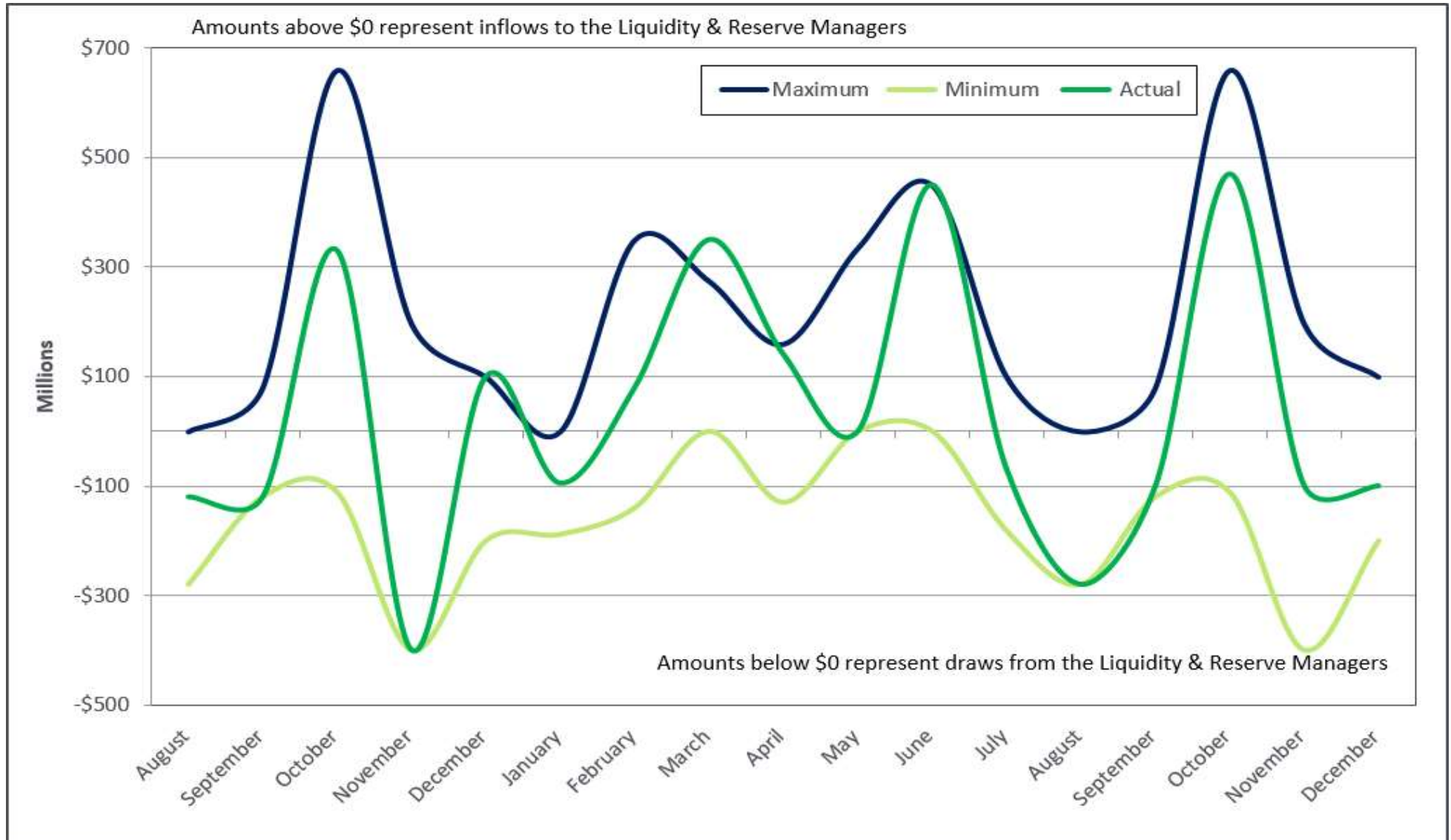
The CARES portfolio has been liquidated.

TOTAL LIQUIDITY AND RESERVE MARKET VALUES

ENDING DECEMBER 31, 2023



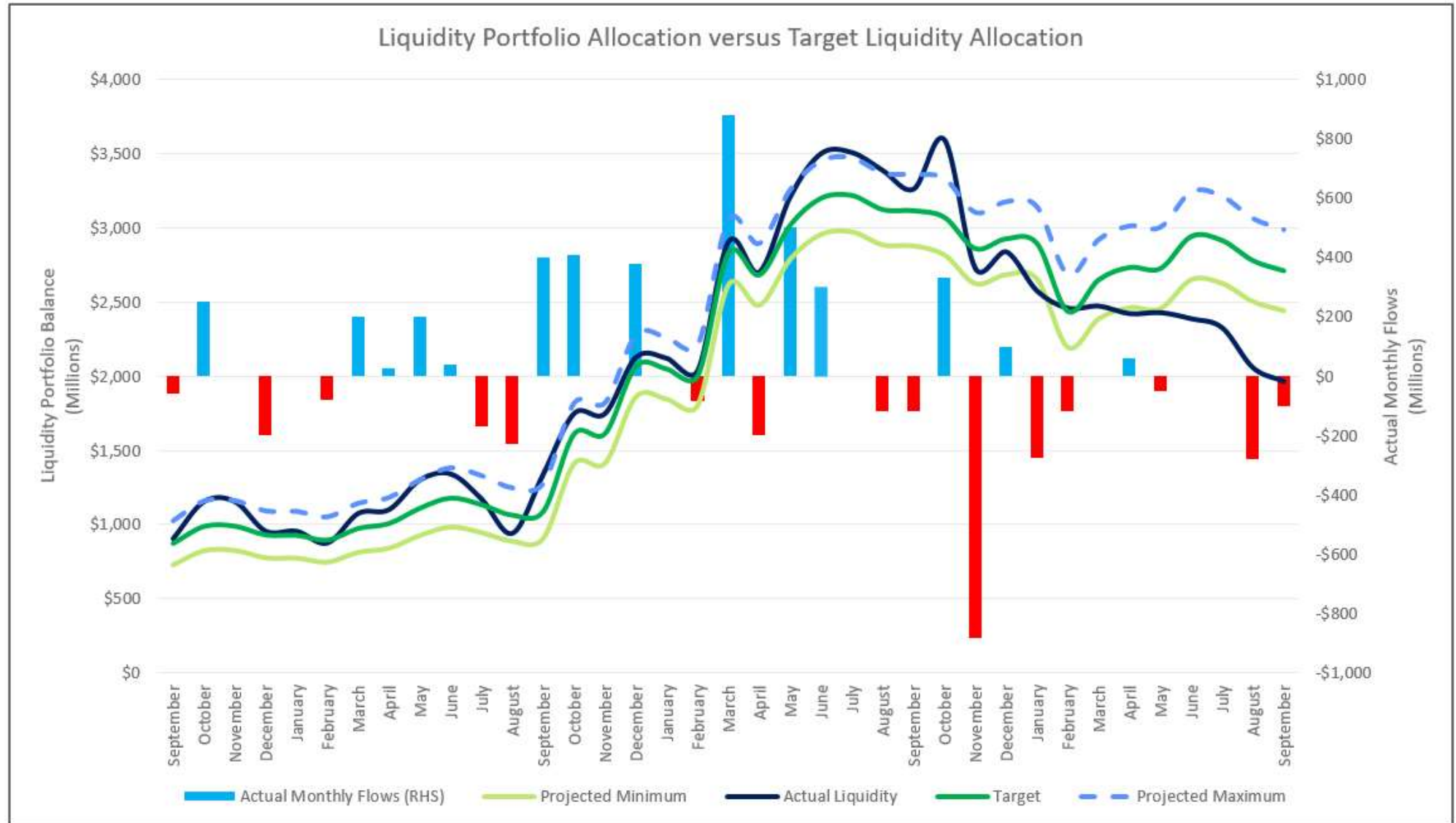
LIQUIDITY & RESERVE CASH FLOWS



The maximum line series depicts the maximum cash flow that occurred in that particular calendar month over the last 12 fiscal year periods (i.e. \$0 is the maximum cash flow that has occurred in any August over the last 12 FYs). The minimum line series shows the same but for minimum cash flows. The purpose of this chart is to show the seasonality/cyclicality of the portfolio's liquid & reserve cash flows.



LIQUIDITY BALANCE



As of June 2023, the target allocation between Liquidity and Reserve Portfolios was adjusted to 25%/75%. The previous target allocation was 50%/50%.



FISCAL YEAR TO DATE

Change in Market Value Fiscal Year-to-Date Through December 31, 2023										
	Beginning Market Value	Contributions	Withdrawals	Fees	Income	Unrealized Gain (Loss)	Realized Gain (Loss)	Amortization / Accretion	Ending Market Value	
Liquidity Managers										
PFM Asset Management	\$ 1,206,007,372	\$ -	\$ (470,000,000)	\$ (180,486)	\$ 18,858,392	\$ 5,899,776	\$ 537,544	\$ 3,223,578	\$ 764,147,509	
Wilmington Liquidity	\$ 1,178,903,224	\$ -	\$ (470,000,000)	\$ (165,919)	\$ 10,174,762	\$ 12,135,655	\$ (87,551)	\$ 5,569,554	\$ 736,346,338	
Total Liquidity Managers	\$ 2,384,910,596	\$ -	\$ (940,000,000)	\$ (346,405)	\$ 29,033,154	\$ 18,035,431	\$ 449,994	\$ 8,793,133	\$ 1,500,493,847	
Reserve Managers										
BlackRock Financial Management	\$ 874,534,970	\$ 190,000,000	\$ -	\$ (134,394)	\$ 16,895,726	\$ 21,375,021	\$ (3,079,861)	\$ 3,409,239	\$ 1,102,880,340	
Chandler Asset Management	\$ 885,547,859	\$ 190,000,000	\$ -	\$ (129,587)	\$ 17,501,355	\$ 26,829,760	\$ (309,029)	\$ 1,454,069	\$ 1,120,776,670	
JPM Intermediate	\$ 869,429,478	\$ 190,000,116	\$ -	\$ (154,098)	\$ 16,718,931	\$ 21,413,641	\$ (5,314,133)	\$ 1,354,134	\$ 1,096,080,045	
Lazard Asset Management	\$ 876,078,244	\$ 190,000,000	\$ -	\$ (233,587)	\$ 16,746,847	\$ 24,111,454	\$ (3,541,067)	\$ 1,700,485	\$ 1,104,653,842	
Total Reserve Managers	\$ 3,505,590,551	\$ 760,000,116	\$ -	\$ (651,667)	\$ 67,862,859	\$ 93,729,876	\$ (12,244,090)	\$ 7,917,927	\$ 4,424,390,897	
Total Liquidity & Reserve Managers	\$ 5,890,501,147	\$ 760,000,116	\$ (940,000,000)	\$ (998,072)	\$ 96,896,013	\$ 111,765,307	\$ (11,794,096)	\$ 16,711,060	\$ 5,924,884,744	
Land & Water Endowment										
SEI Funds	\$ 48,853,444	\$ 366,500	\$ (6,532)	\$ (43,431)	\$ 1,040,898	\$ 427,387	\$ 1,658,770	\$ -	\$ 52,253,807	
Vanguard	\$ 46,013,315	\$ 366,500	\$ (4,698)	\$ (20,306)	\$ 639,048	\$ 2,138,279	\$ 24,163	\$ -	\$ 49,136,014	
Total Land & Water Endowment	\$ 94,866,845	\$ 1,466,000	\$ (744,230)	\$ (63,737)	\$ 1,679,946	\$ 2,565,666	\$ 1,682,934	\$ -	\$ 101,389,906	
ARPA										
PFM ARPA	\$ 327,157,915	\$ 5,180	\$ (57,548,133)	\$ (46,578)	\$ 5,240,856	\$ 1,529,441	\$ 123,855	\$ 1,526,590	\$ 278,513,804	
Wilmington ARPA	\$ 322,009,164	\$ 5,180	\$ (57,548,133)	\$ (47,218)	\$ 3,988,639	\$ 1,363,697	\$ 33,031	\$ 3,173,990	\$ 272,927,871	
Total ARPA	\$ 649,167,079	\$ 10,359	\$ (115,096,267)	\$ (93,796)	\$ 9,229,495	\$ 2,893,138	\$ 156,886	\$ 4,700,579	\$ 551,441,675	
Total	\$ 6,634,535,071	\$ 761,476,475	\$ (1,055,840,497)	\$ (1,155,605)	\$ 107,805,454	\$ 117,224,110	\$ (9,954,276)	\$ 21,411,639	\$ 6,577,716,328	

Footnotes:

As of June 2023, the target allocation between Liquidity and Reserve Portfolios was adjusted to 25%/75%. The previous target allocation was 50%/50%.

Values provided by Northern Trust and are reconciled to the audited custodian reports.

Income is a product of income received during the month plus accrued income.

Numbers may not add due to rounding.



LEVEL 144A SECURITIES

	MV - 12/31/23 (\$)	144A Securities MV (\$)	144A Securities Percent of Total Portfolio (%)	144A Securities Percent of Manager Portfolio (%)
Delaware Total Consolidation	\$6,577,716,328	\$405,435,827	6.2%	
Total Liquidity & Reserve	\$5,924,884,744	\$405,435,827	6.2%	
Total Liquidity	\$1,500,493,847	\$179,903,765	2.7%	
PFM Asset Management	\$764,147,509	\$62,574,922	1.0%	8.2%
Wilmington Liquidity	\$736,346,338	\$117,328,843	1.8%	15.9%
Total Reserve	\$4,424,390,897	\$225,532,061	3.4%	
JPM Intermediate	\$1,096,080,045	\$154,000,000	2.3%	14.1%
Blackrock Financial Mangement	\$1,102,880,340	\$53,487,557	0.8%	4.8%
Chandler Asset Management	\$1,120,776,670	\$18,044,504	0.3%	1.6%
Lazard Financial Management	\$1,104,653,842	\$0	0.0%	0.0%
Total Endowment	\$101,389,909	\$0	0.0%	
SEI Funds	\$52,253,807	\$0	0.0%	0.0%
Vanguard Funds	\$49,136,014	\$0	0.0%	0.0%
Cash	\$88	\$0	0.0%	
ARPA	\$551,441,675	\$0	0.0%	
PFM ARPA	\$278,513,804	\$29,467,683	0.4%	10.6%
Wilmington ARPA	\$272,927,871	\$55,973,475	0.9%	20.5%



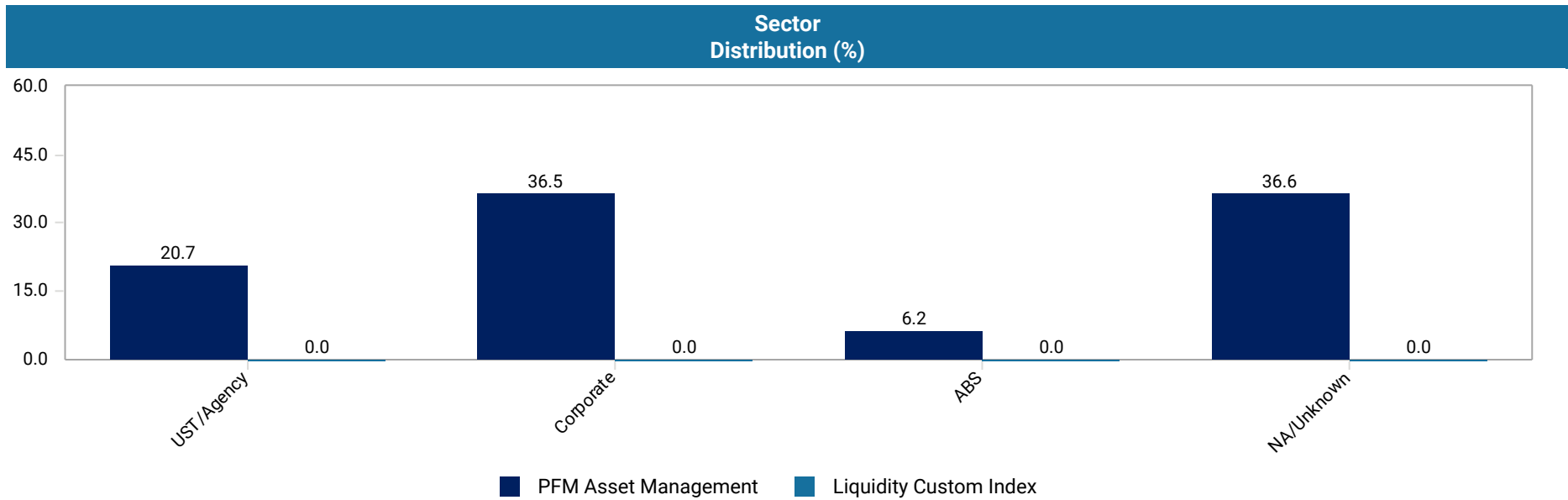
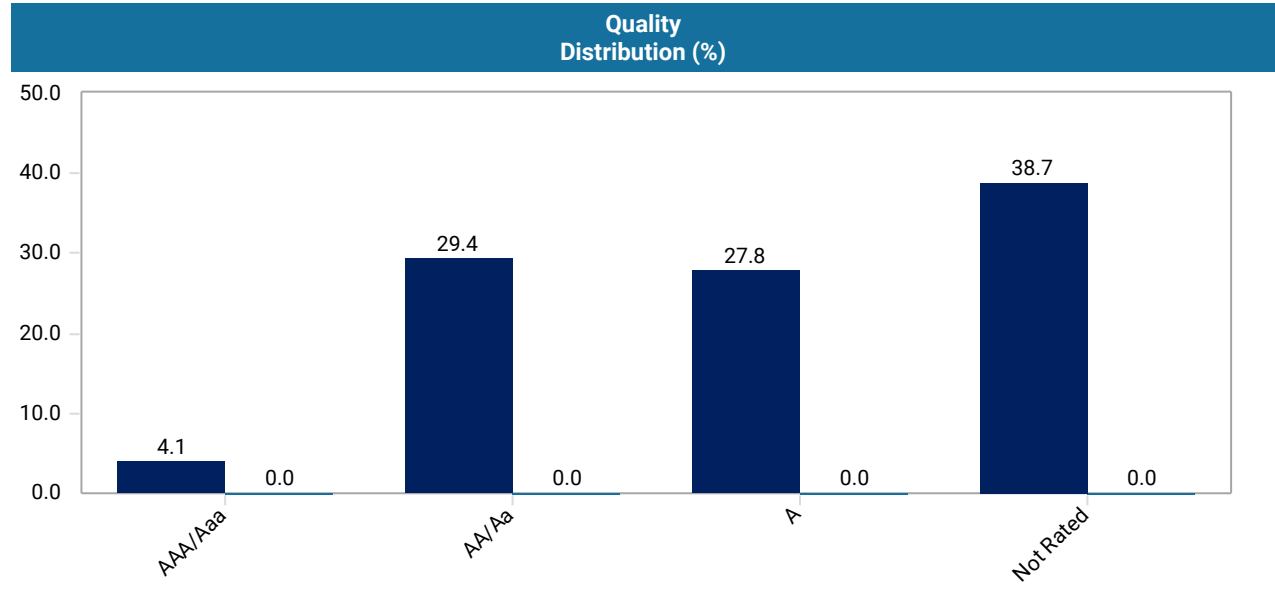
LIQUIDITY MANAGER REVIEW



PROPRIETARY & CONFIDENTIAL

PFM ASSET MANAGEMENT

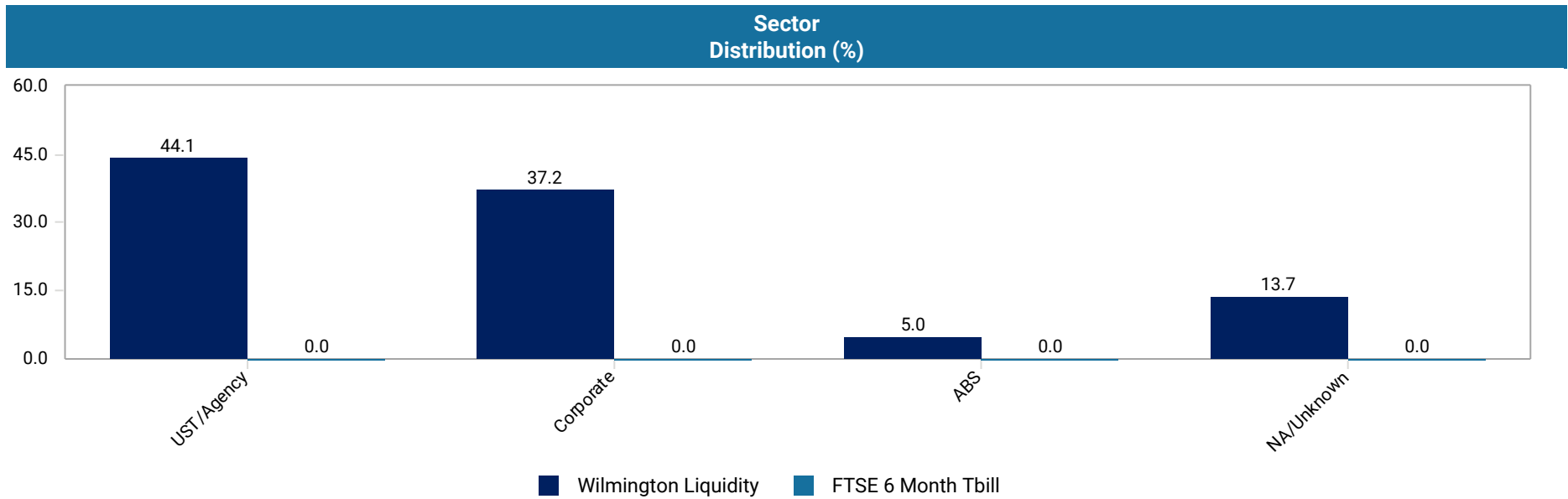
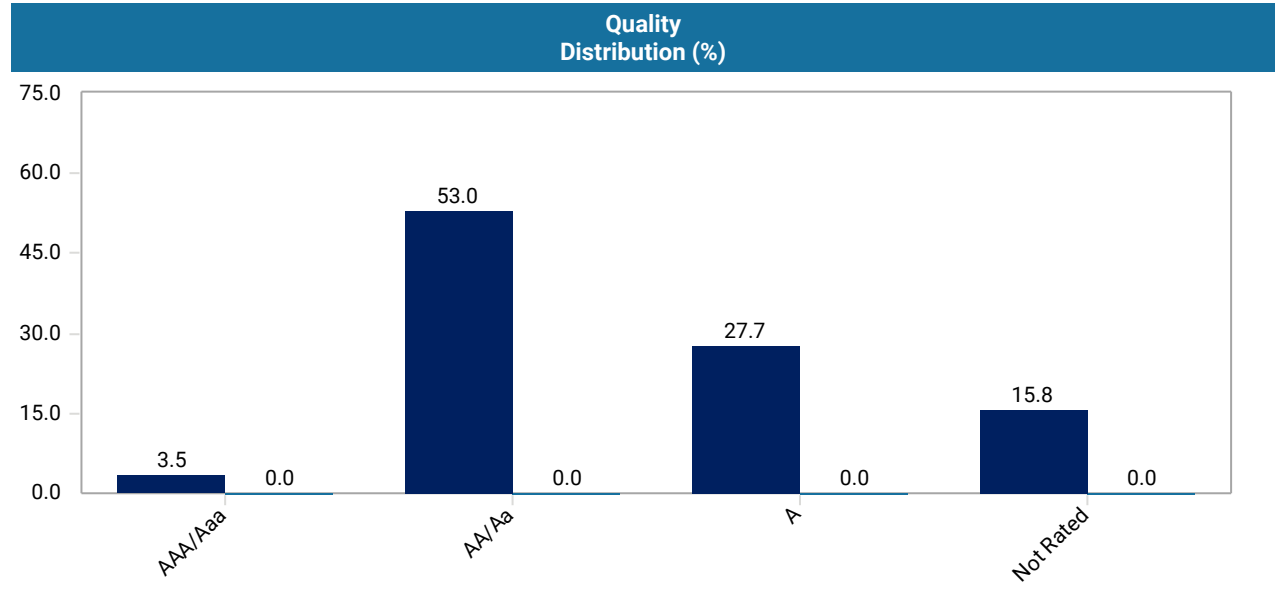
Characteristics		
	Portfolio	Benchmark
Yield To Maturity (%)	5.0	
Avg. Maturity	0.6	
Average Duration	0.6	
Avg. Quality	AA	



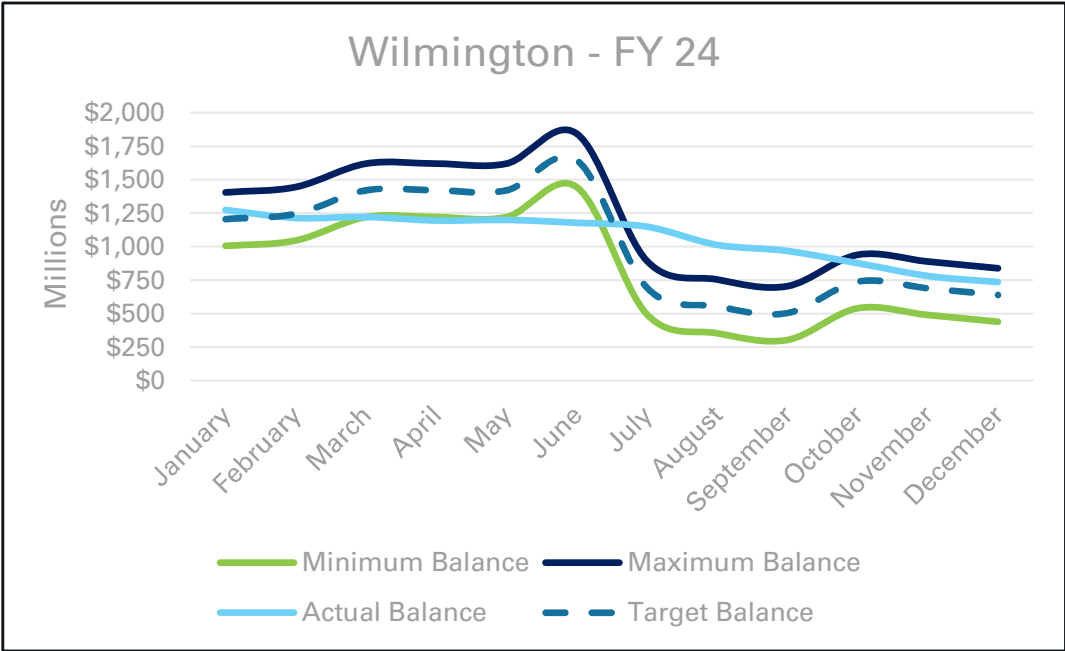
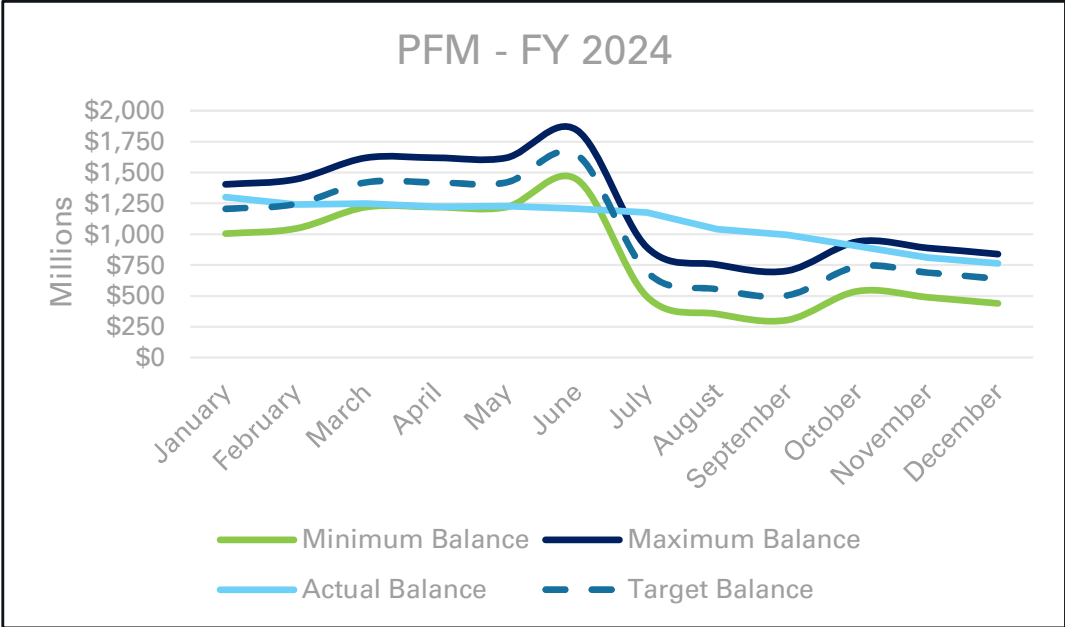
Delaware State Treasury

WILMINGTON LIQUIDITY

Characteristics		
	Portfolio	Benchmark
Yield To Maturity (%)	5.1	
Avg. Maturity	0.7	
Average Duration	0.7	
Avg. Quality	AA	



LIQUIDITY MANAGERS – TARGET BALANCES



RESERVE MANAGER REVIEW

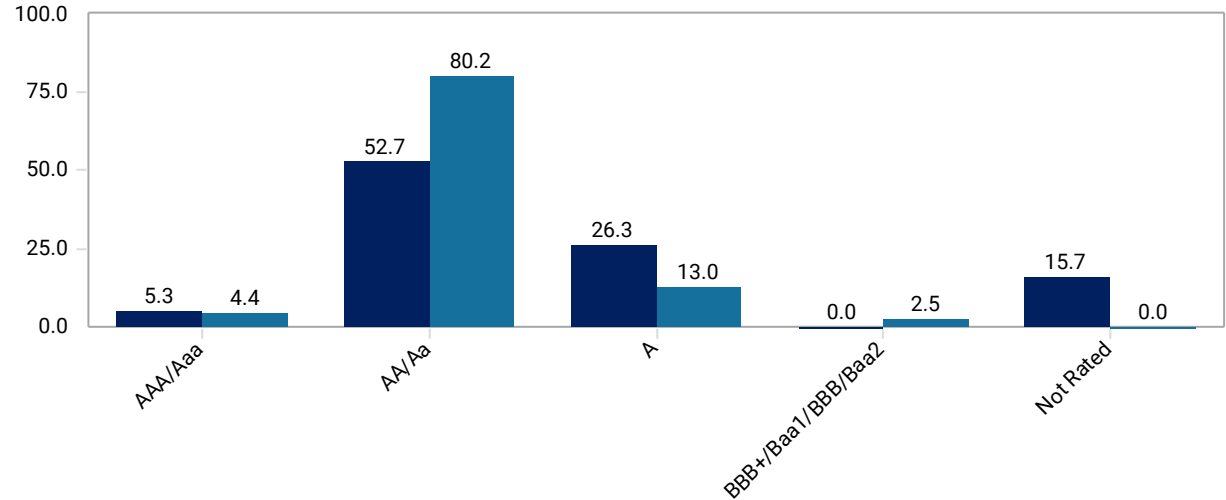


PROPRIETARY & CONFIDENTIAL

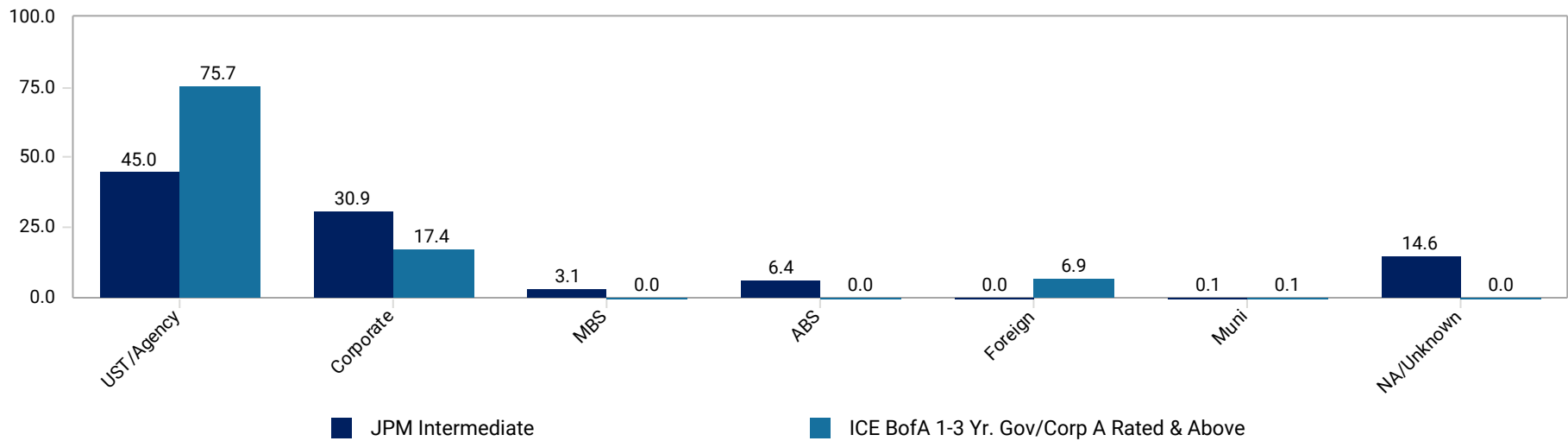
JPM INTERMEDIATE

Characteristics		
	Portfolio	Benchmark
Yield To Maturity (%)	4.6	4.4
Avg. Maturity	2.2	1.9
Average Duration	2.0	1.8
Avg. Quality	AA	AA

Quality Distribution (%)

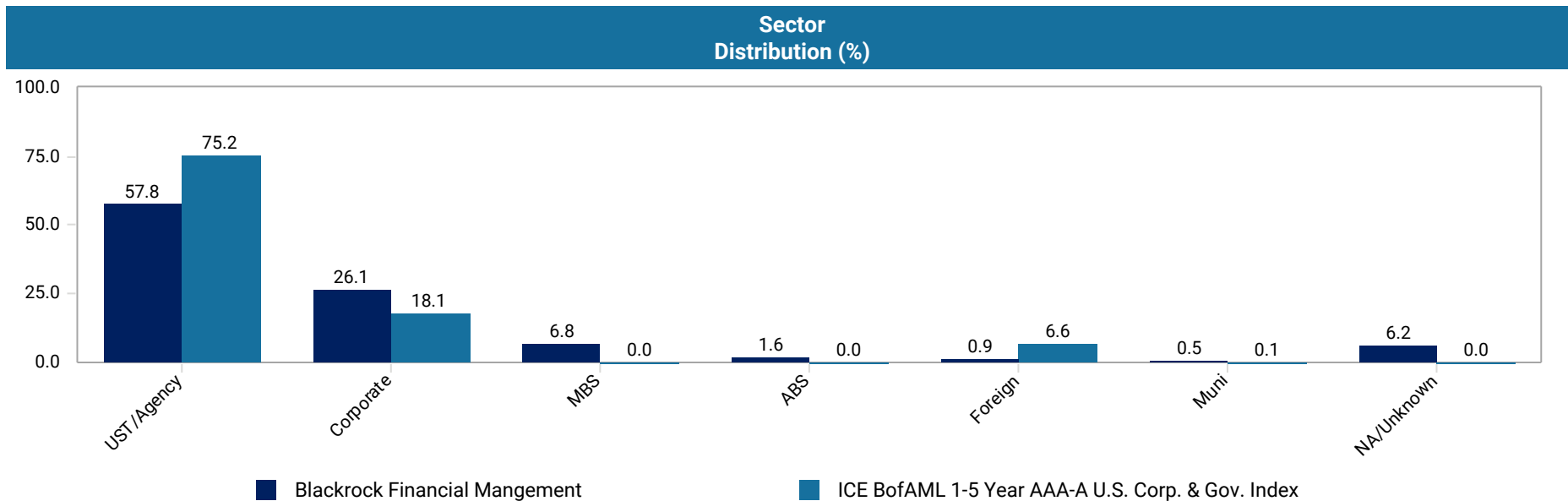
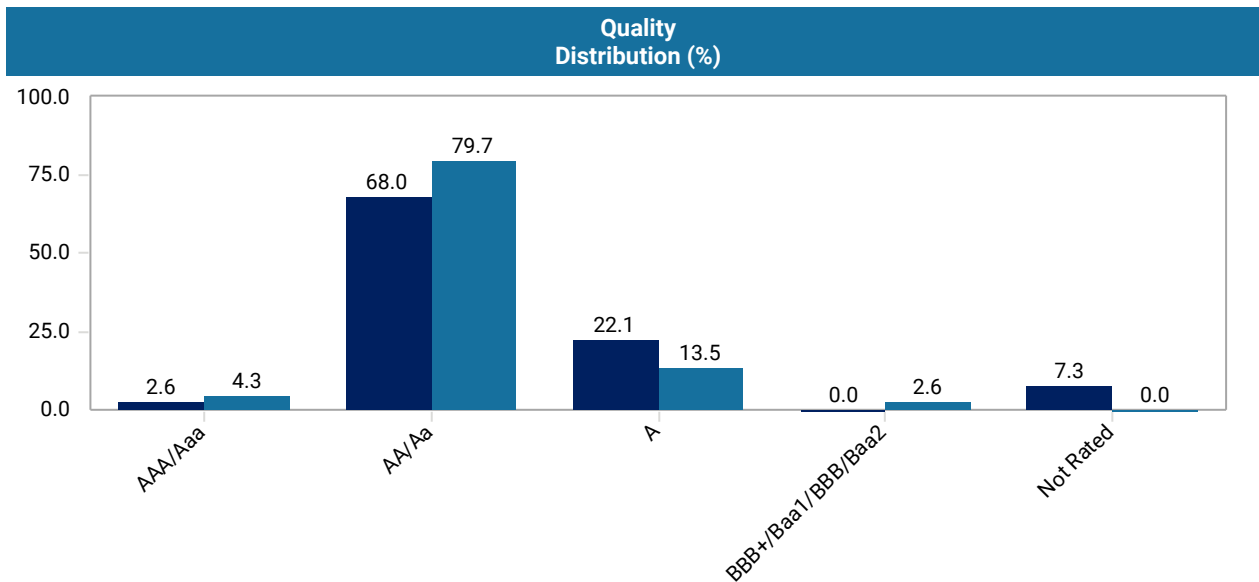


Sector Distribution (%)



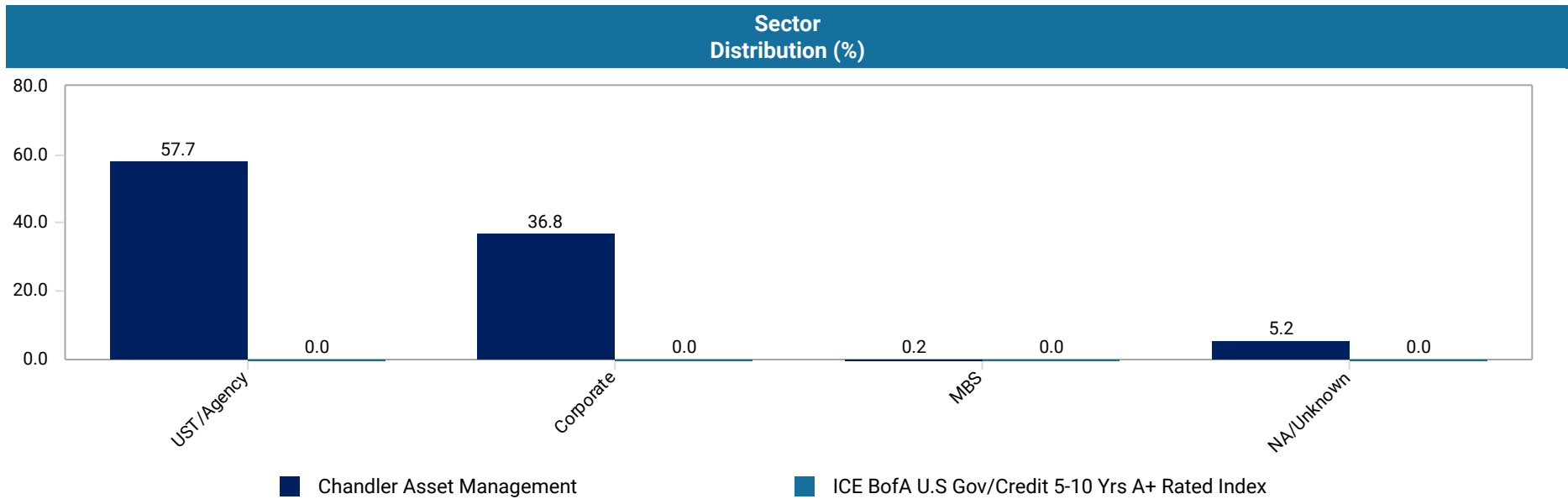
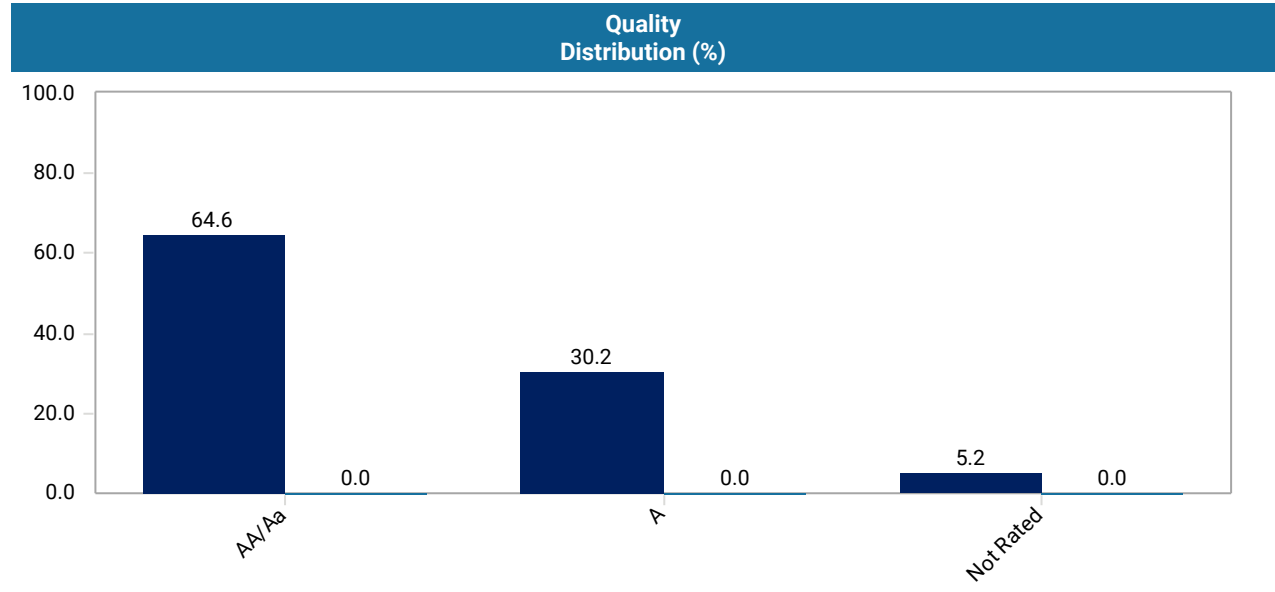
BLACKROCK FINANCIAL MANGEMENT

Characteristics		
	Portfolio	Benchmark
Yield To Maturity (%)	4.4	4.3
Avg. Maturity	2.8	2.8
Average Duration	2.6	2.6
Avg. Quality	AA	AA



CHANDLER ASSET MANAGEMENT

Characteristics		
	Portfolio	Benchmark
Yield To Maturity (%)	4.2	
Avg. Maturity	7.1	
Average Duration	6.1	
Avg. Quality	AA	

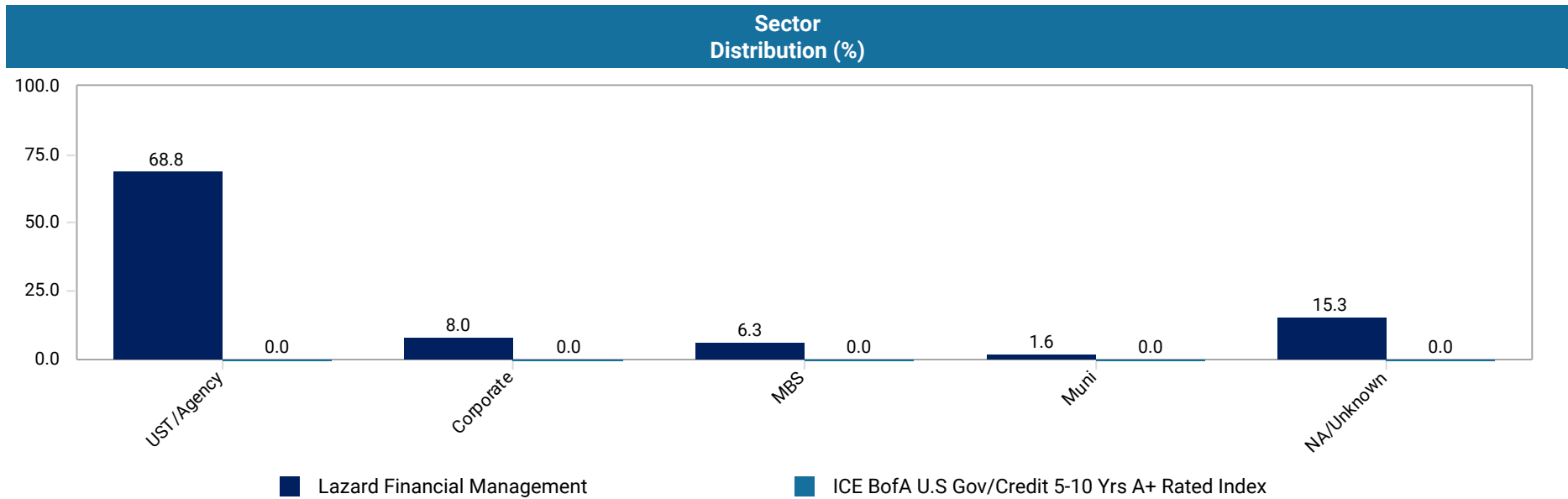
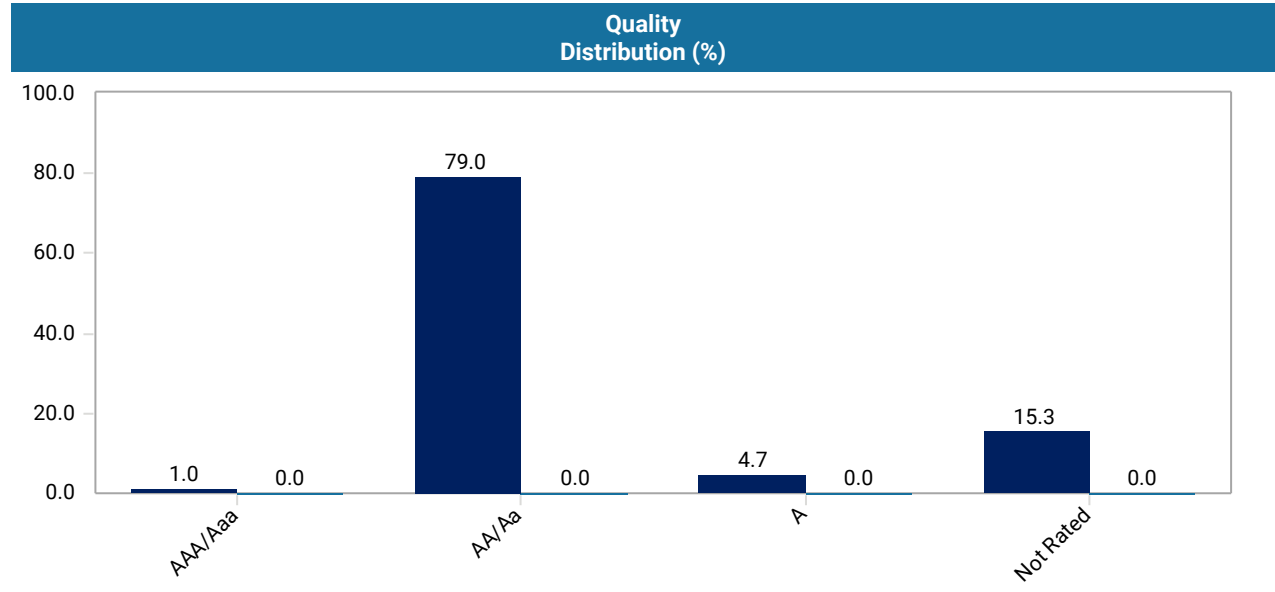


■ Chandler Asset Management

■ ICE BofA U.S. Gov/Credit 5-10 Yrs A+ Rated Index

LAZARD FINANCIAL MANAGEMENT

Characteristics		
	Portfolio	Benchmark
Yield To Maturity (%)	4.0	
Avg. Maturity	6.0	
Average Duration	5.2	
Avg. Quality	AA	



■ Lazard Financial Management

■ ICE BofA U.S. Gov/Credit 5-10 Yrs A+ Rated Index

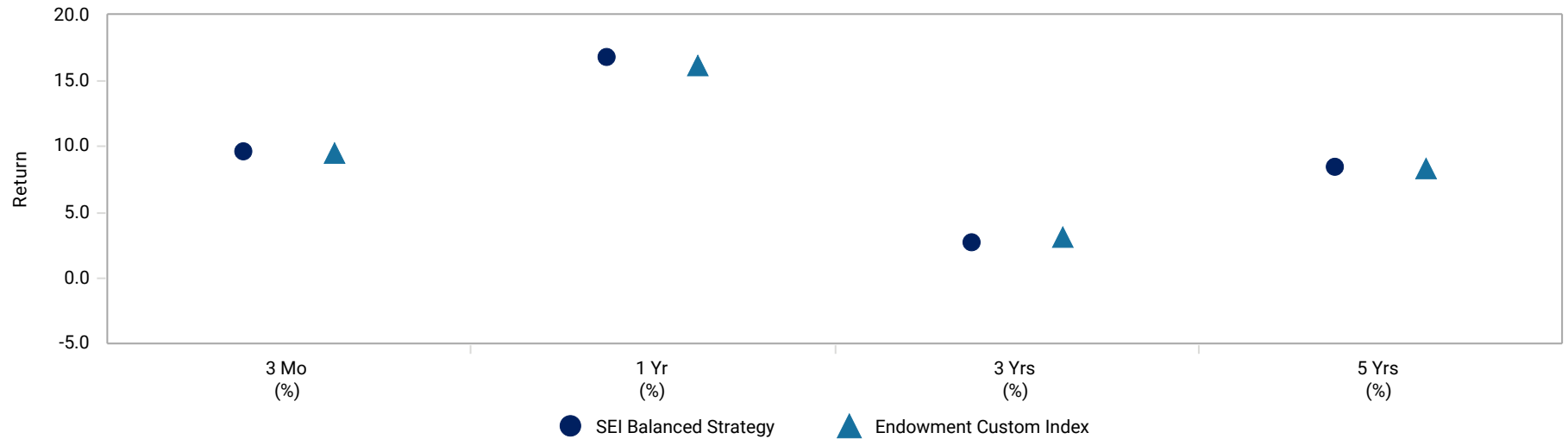
ENDOWMENT MANAGER REVIEW



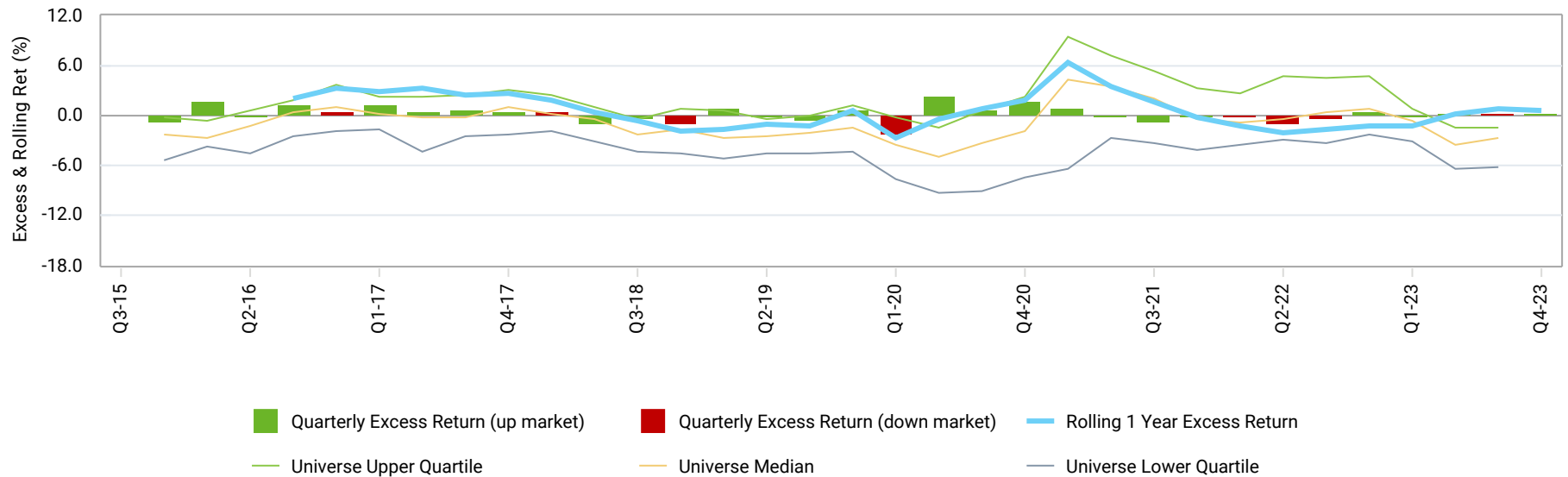
PROPRIETARY & CONFIDENTIAL

SEI BALANCED STRATEGY

eV Global Balanced (net of fees)

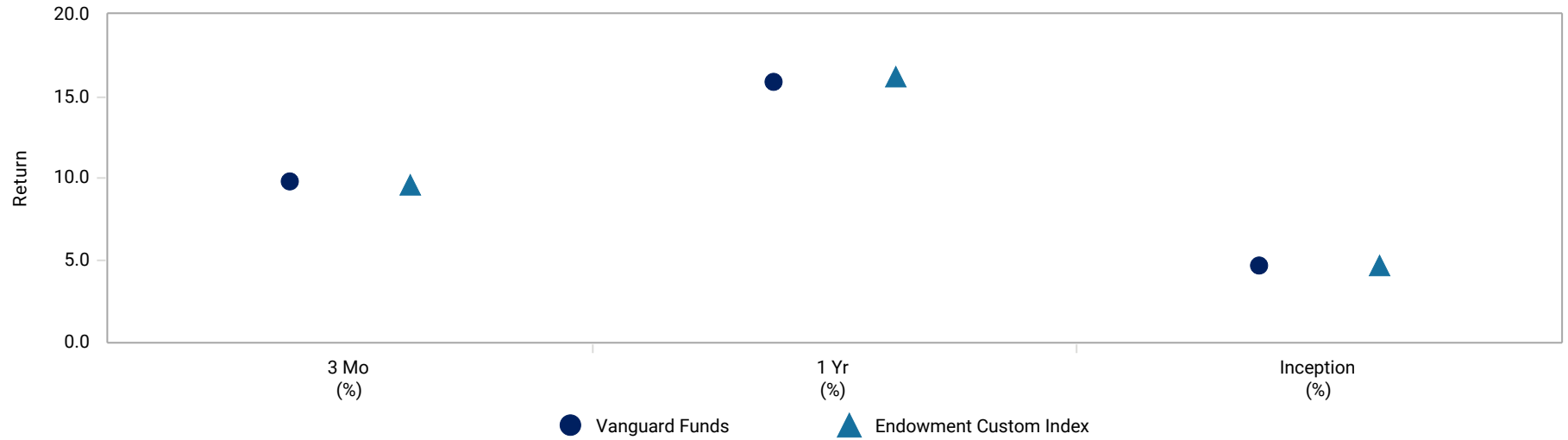


Quarter Excess Return with a Rolling 1 Year Excess Return over Since Inception Ending December 31, 2023

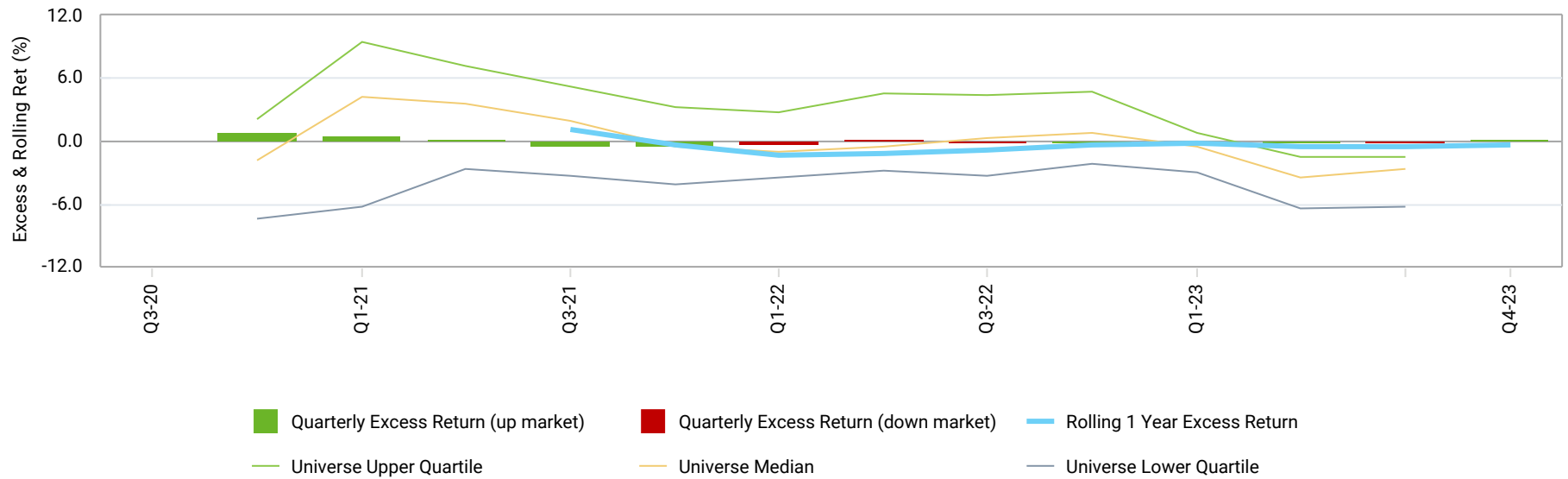


Delaware State Treasury
VANGUARD FUNDS

eV Global Balanced (net of fees)



Quarter Excess Return with a Rolling 1 Year Excess Return over Since Inception Ending December 31, 2023



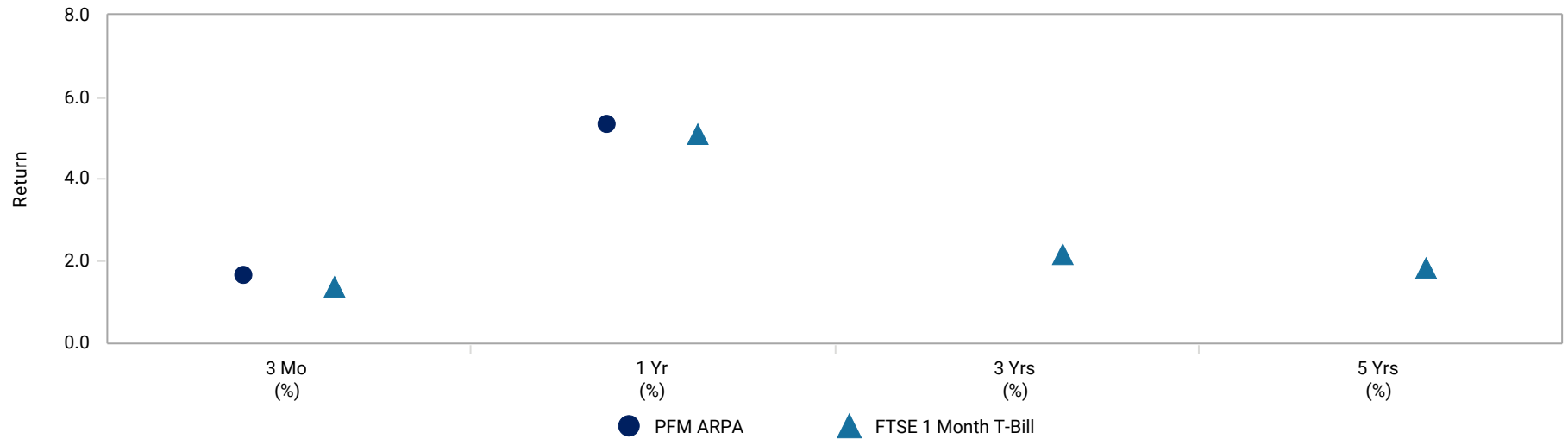
ARPA MANAGER REVIEW



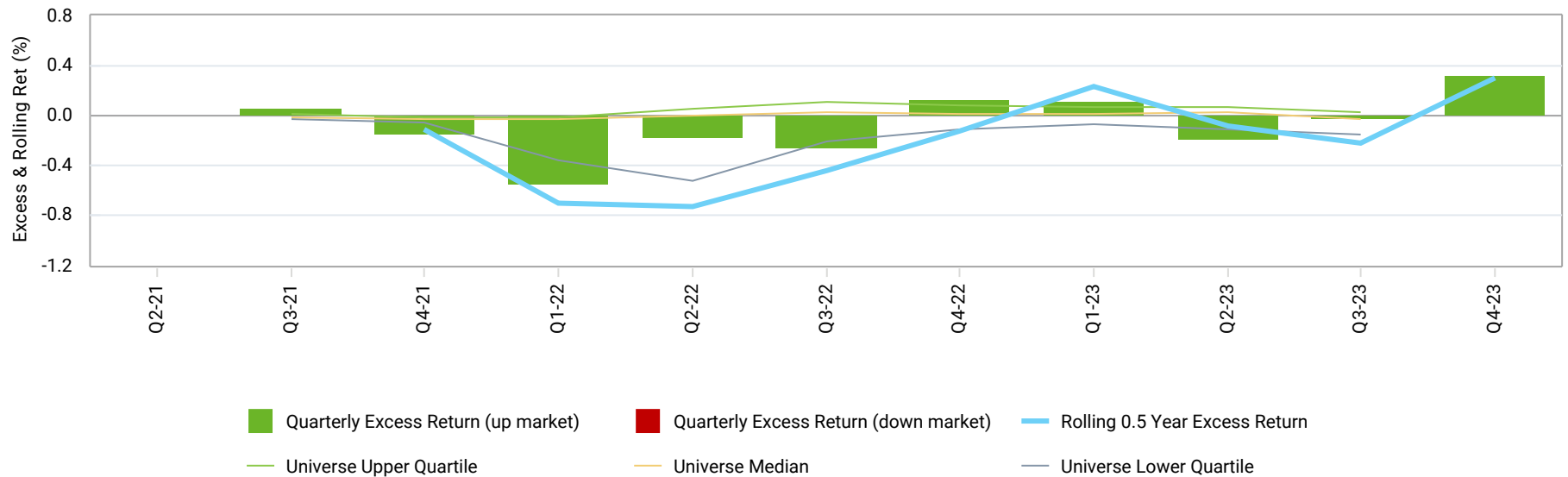
Delaware State Treasury

PFM ARPA

eV US Cash Management (net of fees)

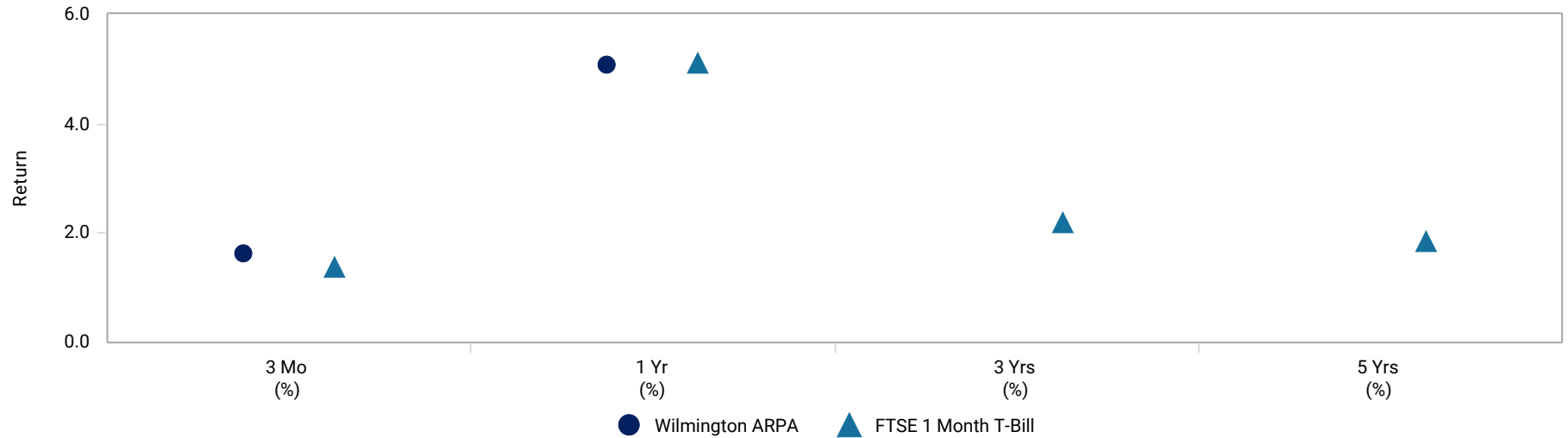


Quarter Excess Return with a Rolling 0.5 Year Excess Return over Since Inception Ending December 31, 2023

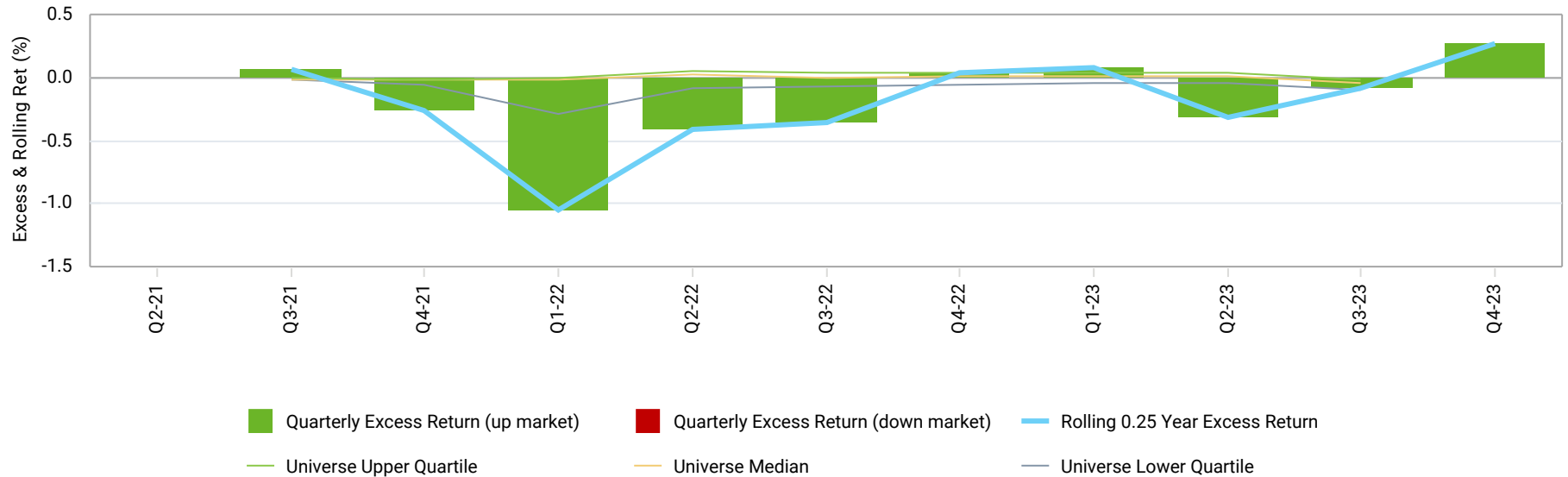


Delaware State Treasury
WILMINGTON ARPA

eV US Cash Management (net of fees)



Quarter Excess Return with a Rolling 0.25 Year Excess Return over Since Inception Ending December 31, 2023





REPORT APPENDIX



INVESTMENT REGIME SHIFTS TAKE TIME

2024 MARKET OUTLOOK



Economic Resilience

Robust labor market reinforces a “no recession” outcome for the U.S.



Long and Variable Monetary Policy Lag

Access to capital and liquidity slowly adjusting to the investment landscape



Higher for Longer Interest Rates

Market participants have not accepted long-term interest rates above 4%



Inflation Expectations Are Awry

Market expectations are anchored to the low inflation levels of the past decade

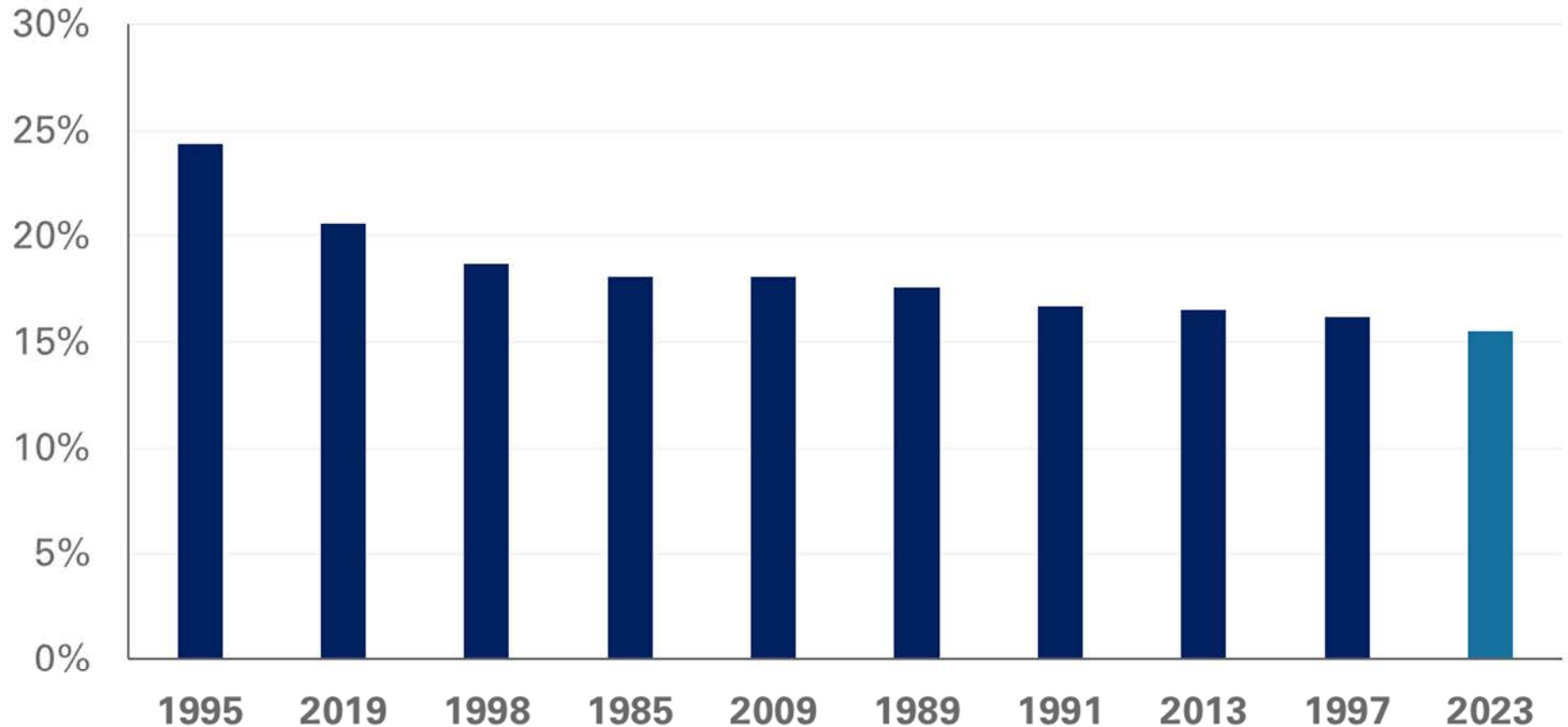


Geopolitical Dynamics

Geopolitical trends are straining supply chains and macroeconomic conditions

2023 WAS A STRONG YEAR FOR 60/40

60/40 ANNUAL PORTFOLIO RETURNS

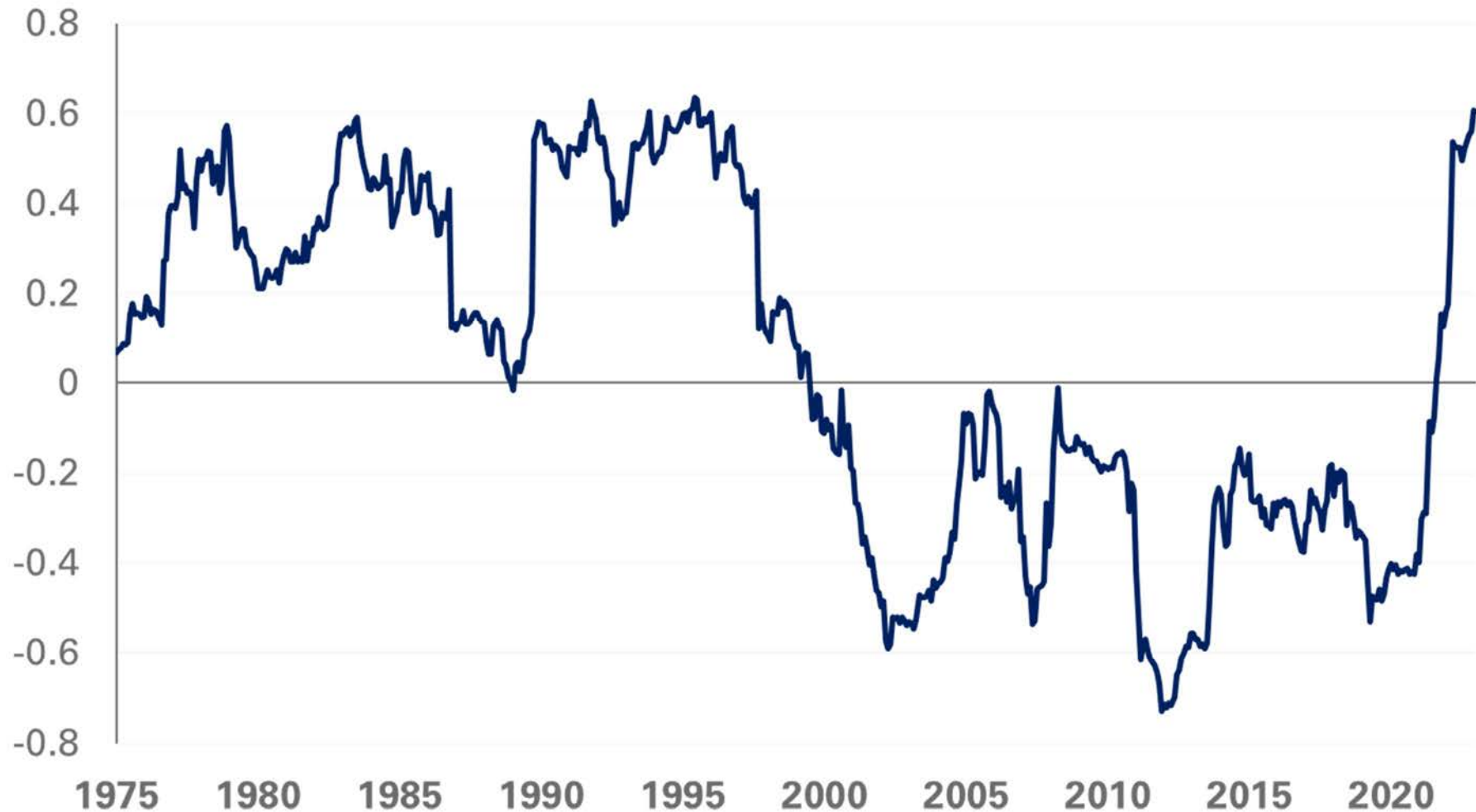


Notes: Chart calculated using annual data 1976 to present. 60% reflects S&P 500 price return, 40% reflects Bloomberg U.S. Aggregate Bond Index returns
Sources: S&P, Bloomberg, FactSet



THE STOCK-BOND CORRELATION IS POSITIVE

S&P 500 & U.S. TREASURY INDEX: 3-YEAR ROLLING CORRELATIONS



Sources: Bloomberg, S&P, FactSet

INVESTOR SENTIMENT SURGED IN 2023

INVESTORS INTELLIGENCE BULLISH SENTIMENT INDEX



Source: Investors Intelligence, FactSet

RESILIENCY STEMMED FROM THE LABOR MARKET

UNEMPLOYMENT INSURANCE CLAIMS AS % OF THE LABOR FORCE



Sources: U.S. Department of Labor, FactSet

INFLATION MAY NORMALIZE ABOVE EXPECTATIONS

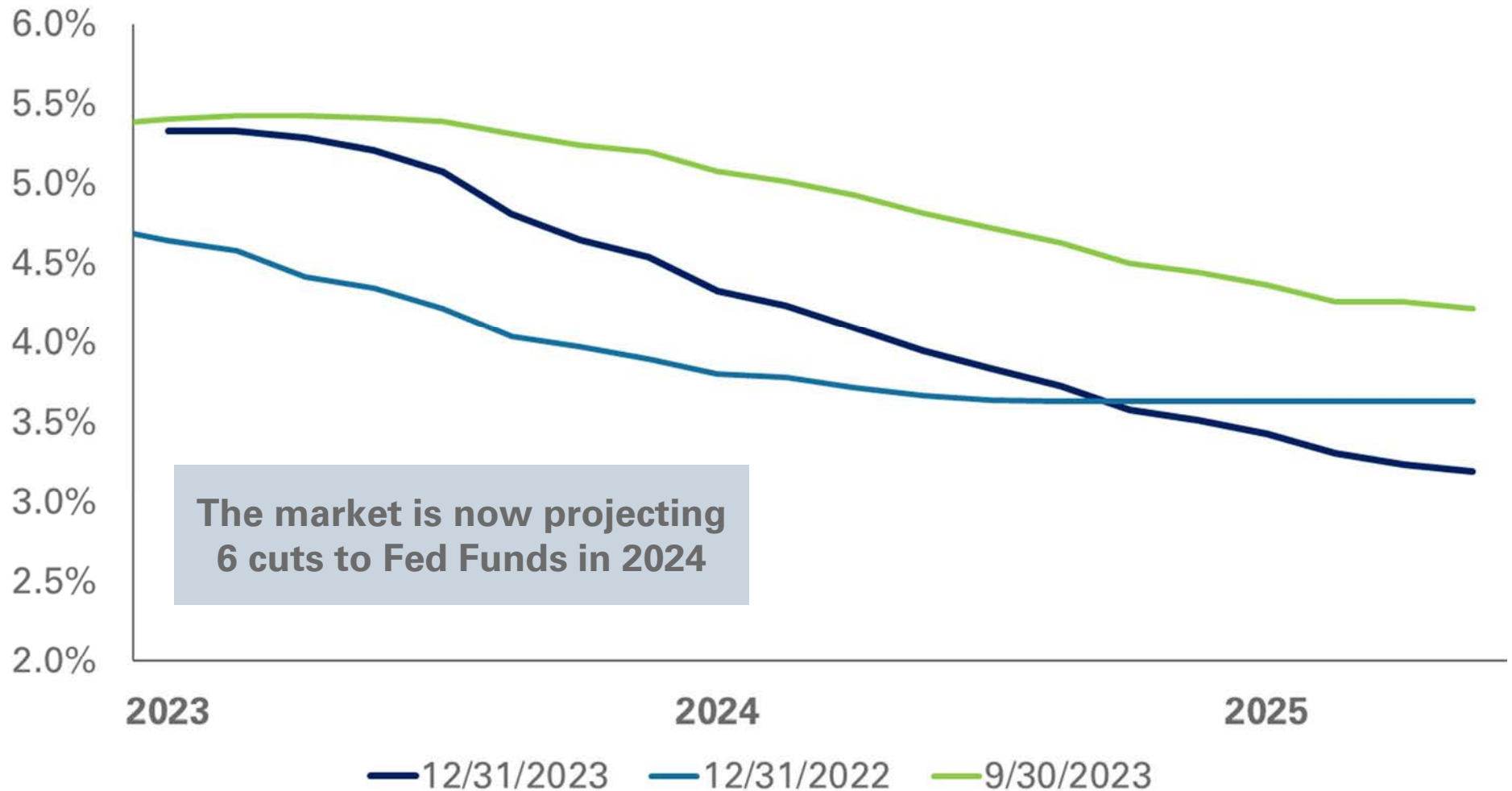
ROLLING 6-MONTH AVG CONSUMER INFLATION EXPECTATIONS



Sources: University of Michigan, FactSet

MARKETS ARE BIASED TO LOWER U.S. RATES

FEDERAL FUND FUTURES



Source: FactSet

PORTFOLIO POSITIONING VIEWS

CURRENT OPPORTUNITIES

Look to **reduce S&P 500 and U.S. mega-cap exposure in favor of U.S. value positions and high yield credit**

We suggest **tilting equity implementation to global equity strategies** and encourage greater usage of active equity approaches

With the **normalization of real interest rates**, we recommend introducing dedicated U.S. TIPS exposure to strategic policy targets

We remain comfortable holding greater levels of cash and holding appropriate safe-haven fixed income exposure



EQUITY RISK PREMIUMS REMAINED LOW

S&P 500 NTM EARNINGS YIELD – 10-YEAR TREASURY YIELDS



Source: S&P, FactSet

U.S. TIPS ARE ATTRACTIVE IN THIS ENVIRONMENT

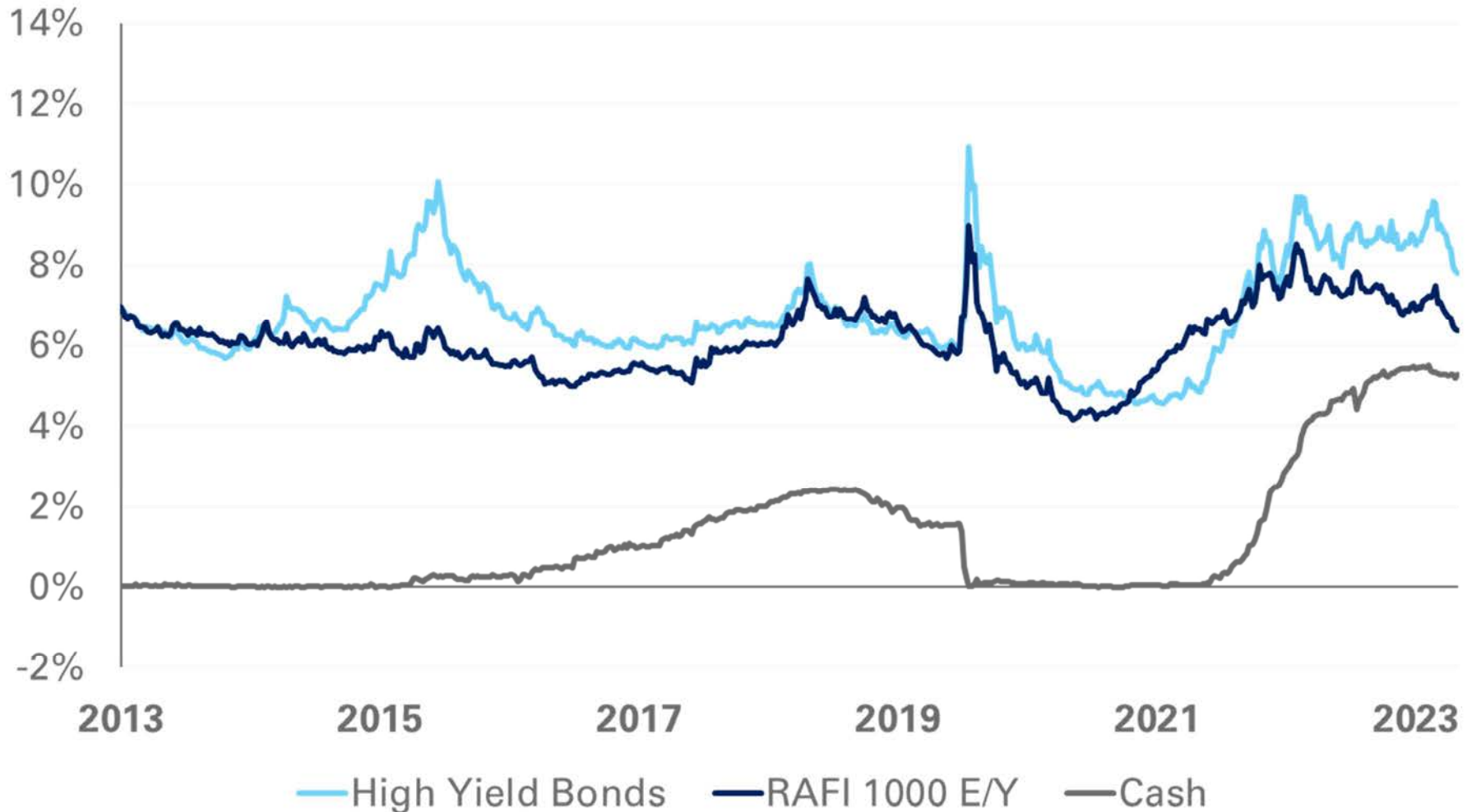
10-YEAR U.S. TIPS REAL YIELD AND BREAKEVEN INFLATION



Source: FactSet

HIGH YIELD AND VALUE OFFER A CARRY BENEFIT

INDEX EARNINGS YIELD AND BOND YIELDS



Sources: Bloomberg, FactSet

DISCLAIMERS & DISCLOSURES

Past performance is no guarantee of future results.

Returns for pooled funds, e.g. mutual funds and collective investment trusts, are collected from third parties; they are not generally calculated by NEPC. Returns for separate accounts, with some exceptions, are calculated by NEPC. Returns are reported net of manager fees unless otherwise noted.

A “since inception” return, if reported, begins with the first full month after funding, although actual inception dates (e.g. the middle of a month) and the timing of cash flows are taken into account in Composite return calculations.

NEPC’s preferred data source is the plan’s custodian bank or record-keeper. If data cannot be obtained from one of the preferred data sources, data provided by investment managers may be used. Information on market indices and security characteristics is received from additional providers. While NEPC has exercised reasonable professional care in preparing this report, we cannot guarantee the accuracy of all source information contained within. In addition, some index returns displayed in this report or used in calculation of a policy index, allocation index or other custom benchmark may be preliminary and subject to change.

All investments carry some level of risk. Diversification and other asset allocation techniques are not guaranteed to ensure profit or protect against losses.

The opinions presented herein represent the good faith views of NEPC as of the date of this presentation and are subject to change at any time. Neither fund performance nor universe rankings contained in this report should be considered a recommendation by NEPC.

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Source of private fund performance benchmark data: Cambridge Associates, via Refinitiv



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